

September 11, 2018

Jeremy Wolf Manager Programs/Projects (MGP) Electrical Capital Delivery AVANGRID 1300 Scottsville Road Rochester, New York 14624

Re: Environmental Monitoring and Waste Characterization Sampling Report

NYSEG Gas Regulator Station Construction

Lockport State Road Former MGP Site; NYSDEC Site No. 932109

Lockport, New York

Dear Mr. Wolf:

This Environmental Monitoring Services Report is being provided to document environmental monitoring, sampling and oversight activities conducted by LaBella Associates (herein LaBella) during the recent gas regulator station construction project conducted at the Avangrid-New York State Electric and Gas (NYSEG) Lockport State Road Former Manufactured Gas Plant (MGP) Site (herein the Site). Work performed by LaBella during regulator station construction activities was conducted per LaBella's *Gas Regulator Station Construction Excavation Work Plan* (EWP), dated November 2, 2017. Environmental monitoring was initiated on December 18, 2017 and completed on April 30, 2018 for station construction activities conducted inside the fenced regulator station located north of the intersection of State Road and Stevens Street in Lockport, New York (see Figure 1).

#### **Background and Objective**

Due to documented remaining contamination associated with historical MGP-related operations conducted at the Site, it is subject to management per the New York State Department of Environmental Conservation (NYSDEC) approved Site Management Plan (SMP), dated January 2010. The SMP was a required component of the Amended and Restated Multi Site Consent Order (ARMSCO) between NYSEG and the NYSDEC (NYSDEC Site Number 932109) and was prepared to manage remaining contamination at the Site. The SMP and EWP address the means for implementing the Institutional Controls (ICs) and Engineering Controls (ECs) that are required for the Site.

Per the SMP, Site construction activities associated with the regulator station upgrades, including soil excavation, soil staging/stockpiling and off Site soil disposal require environmental monitoring. LaBella's primary objectives for the project included conducting environmental monitoring and sampling tasks as outlined in the EWP.

#### Scope of Work

Based on the information provided by NYSEG and the regulator station construction activities observed, LaBella's scope of work generally consisted of the following:

Task 1 - Environmental Monitoring:



- A LaBella Qualified Environmental Professional (QEP) observed excavation activities at the
  Site associated with the gas regulator station construction project in order to identify
  potential evidence of MGP waste that may have been exposed. It is noted that based on the
  information provided in the SMP for the Site, the vicinity of the former MGP facilities was
  northeast of the excavation areas.
- LaBella conducted Community Air Monitoring Plan (CAMP) activities consistent with the
  existing CAMP included in the SMP. CAMP monitoring was conducted during soil excavation
  and stockpiling, soil loading for off Site disposal, and backfilling activities. Additional
  information pertaining to specific CAMP monitoring activities is provided in the Task 1 section
  provided below.

#### Task 2 - Waste Characterization Soil Sampling and Analysis:

- A LaBella QEP reviewed the SMP and site-specific EWP prior to performing the environmental monitoring and soil sampling activities during the gas regulator construction project.
- A LaBella QEP collected one representative composite soil sample from the excavated and stockpiled soil for waste disposal purposes and relinquished to an appropriately certified laboratory for chemical testing. Details of the sampling are provided in the Task 2 section provided below.

#### Task 3 - Imported Backfill Material Sampling and Analysis:

A LaBella QEP collected one representative sample from each of the two (2) virgin stone
products imported to the Site for use as backfill material in the excavations. Each sample
was relinquished to an appropriately certified laboratory for chemical testing per NYSDEC's
DER-10 Technical Guidance for Site Investigation and Remediation. The resulting laboratory
data was validated by Data Validation Services and Data Usability Summary Reports
(DUSRs) were generated for each sample set. Details of the sampling, including laboratory
results and DUSRs are provided in the Task 3 section provided below.

#### Task 4: Soil Disposal Oversight and Monitoring:

A LaBella QEP was on Site during all soil loading and disposal activities. The Labella
representative performed CAMP monitoring during soil loading into dump trucks and signed
the non-hazardous waste manifests on behalf of NYSEG (waste generator) for each load
transported off-site. Details of the sampling are provided in the Task 4 section provided
below.

#### Task 1: Environmental Monitoring

A LaBella QEP was on Site at all times during ground intrusive activities (i.e. trench excavation) to observe and screen excavated soils and to conduct CAMP monitoring during construction work conducted within the fenced limits of the gas regulator station.

The LaBella QEP performed continuous monitoring of excavated soils for evidence of impairment including visible impairment, olfactory indication of impairment, evidence of Non-Aqueous Phase Liquids (NAPLs) and detectable VOCs using a photoionization detector (PID). No evidence of impairment was observed during excavation.



Fill soils excavated at the site generally consisted of silt, sand, gravel, cobbles, and slab rock, with lesser amounts brick, wood, concrete, asphalt, and metal (wire). It is noted that per the SMP and EWP, all excavated soil was properly stockpiled on bermed plastic sheeting and covered daily with plastic sheeting.

CAMP monitoring was conducted per the site-specific SMP and EWP and included the following:

• Continuous upwind and downwind particulate (airborne dust) and volatile organic compound (VOC) monitoring; particulates were monitored upwind and downwind of the work area using TSI Dusttrak PM-10 Particulate/Aerosol Air Monitoring Units for particulate monitoring and Rae Systems Minirae 3000 PIDs for VOC monitoring. Background levels were monitored and established throughout each work day. Due to proper work practices and moist subsurface soils, downwind CAMP station readings did not exceed established action levels as set forth in the SMP and EWP during the duration of the project. CAMP stations were moved each time the wind changed direction. It is noted that each instrument was calibrated daily to ensure accurate readings were observed and recorded.

Soil removal and disposal activities completed within the Site proper boundary, and installation of fence posts along the northern property boundary were initiated on December 18, 2017 and completed on April 30, 2018. Ground intrusive activity was intermittent during this time period. Per the approved SMP and EWP, environmental monitoring was conducted during all ground intrusive activities performed within the limits of the Site boundary, as defined in the SMP. Work conducted outside the Site proper boundary during or after this time period did not require environmental monitoring. CAMP data is included as Attachment A of this report.

#### Task 2: Waste Characterization Soil Sampling and Analysis

Following the excavation and stockpiling of the majority of the total volume of soil removed during construction, one (1) composite soil sample, Trench Spoils-1, was collected from the excavated soil stockpile for waste characterization purposes. The sample consisted of five (5) grab samples collected from throughout the pile that were mixed in a stainless steel sampling bowl and placed immediately in appropriate jars for laboratory analysis. See Figure 2 for grab sample locations. The sample was immediately preserved on ice and relinquished to Alpha Analytical, an ELAP-certified laboratory. Per the disposal requirements of Waste Management, the sample was analyzed for the following parameters:

- TCL VOCs (by USEPA Method 8260)
- TCL SVOCs (by USEPA Method 8270)
- TCL PCBs (by USEPA Method 8082)
- TAL Metals + Hg (by USEPA Methods 6010/6020/7470/7474/1311)
- TCL Pesticides/Herbicides (by USEPA Methods 8081/8151/1311)
- TCLP for 40 TC Target Criteria Contaminants
- Ignitability
- Reactivity
- Corrosivity

Sample results are summarized in Table 2 and indicate that the excavated trench spoil soils were non-hazardous. Based on the results, the soils were approved for disposal at Waste Management's Mill Seat landfill in Bergen, New York. Laboratory analytical results are included as Attachment B of this report.

#### Task 3: Imported Backfill Material Sampling and Analysis



Excavated soils were not reused on Site; however, two (2) virgin stone products were imported to the Site to be used as backfill material within the excavated gas pipe trenches. Virgin stone products typically meet the NYSDEC DER-10 exemption from chemical testing. However, both stone products imported to the Site did not meet the exemption due to the sieve analysis criteria.

Prior to importing either material to the Site, LaBella visited the Lafarge North America quarry located in Lockport, New York to sample the two (2) materials as required by NYSDEC DER-10. One (1) material was dry screenings used for pipe bedding and the other was Crusher Run #2 used to fill the remainder of the excavated trenches to grade. Both materials are virgin limestone products. On December 15, 2017 a sample was collected at the quarry of each material type per NYSDEC DER-10 sample collection methods and sent to Alpha Analytical for chemical testing of the DER-10 import criteria. Sample results indicate that no constituents were detected above applicable DER-10 import criteria in either sample for commercial or industrial Site use.

Summary Table 1, included as an attachment to this report, presents the laboratory results for the two stone product samples. A total of approximately 400 tons of combined stone products (dry screenings and crusher run #2 material) were imported to the Site for use as clean backfill material within the utility trenches. Backfilling was completed on April 30, 2018. It is noted that the Lafarge North America quarry is a NYS Department of Transportation (DOT) approved source. Laboratory results are included in Attachment B of this report.

The laboratory analytical data for each sample was sent to Data Validation Services for third party review and validation. A Data Usability Summary Report (DUSR) was generated for the two samples collected. Per the DUSR, results of the samples were determined usable as reported or with minor qualification or edit, with the exception of the 1,4-dioxane results which were rejected due to very low instrument responses. A copy of the DUSR is included in Attachment C of this report.

### Task 4: Soil Disposal Oversight and Monitoring

LaBella assisted NYSEG with waste profiling the soil excavated from within the fenced portion of the Site for disposal at an appropriately licensed waste disposal facility. The soil was approved for disposal as non-hazardous soil & debris at Waste Management's Mill Seat Landfill, located at 303 Brew Road, Bergen, New York.

A LaBella QEP mobilized to the Site on February 26, 2018 to oversee and monitor the loading of trucks and waste transportation activities. CAMP monitoring was conducted continuously during soil loading activities. No exceedances of CAMP action levels were observed during loading activities (see Attachment A). A total of 271.87 tons of soil was loaded into twelve (12) triaxle dump trucks, transported by Silvarole Trucking, and disposed of as non-hazardous waste at the Mill Seat Landfill, located at 303 Brew Road, Bergen, New York. All trucks were tarped prior to leaving the Site and maintained the appropriate 6 NYCRR Part 364 waste hauling permits. The LaBella representative signed the non-hazardous waste manifests on behalf of NYSEG for each load transported off-site. A copy of the waste disposal documentation is included as Attachment D of this report.

#### **Conclusions**

Environmental monitoring including CAMP monitoring, soil screening, sampling, and waste disposal oversight were conducted during the recent gas regulator station construction project conducted at the NYSEG Lockport State Road Former MGP Site. No exceedances of CAMP action levels, observation of contaminants of concern (i.e. coal tar) or evidence of impairment were observed during implementation of the construction project activities. Waste characterization sampling of the



excavated soil resulted in the classification of the waste soil as regulated non-hazardous waste. A total of 271.87 tons of waste soil was transported from the Site and disposed of at the Mill Seat Landfill. The excavation areas were backfilled to existing grade with virgin stone products that were chemically tested and proven clean prior to import to the Site, per applicable regulations.

If you have any questions, or require further clarification, please do not hesitate to contact me at (585) 295-6606.

Respectfully Submitted,

Jain Deform

Eric Detweiler

**Environmental Geologist** 

Attachments:

Figure 1: Site Location Plan

Figure 2: Trenching, Stockpiling and Waste Characterization Sample Location Plan

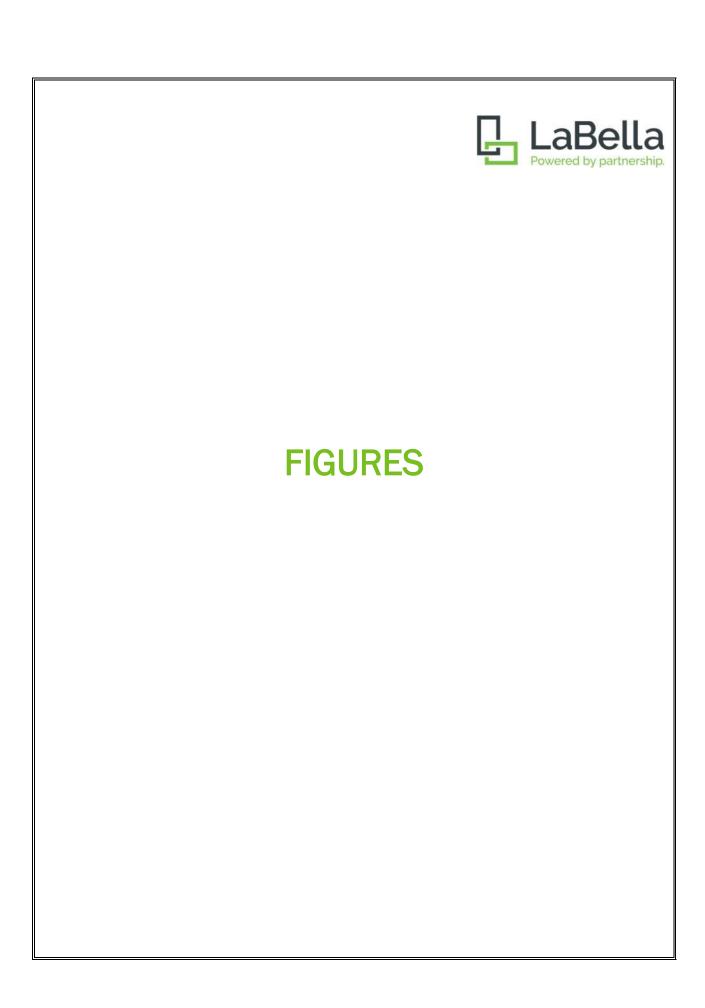
Table 1: Imported Material Sample Results
Table 2: Waste Characterization Sample Results

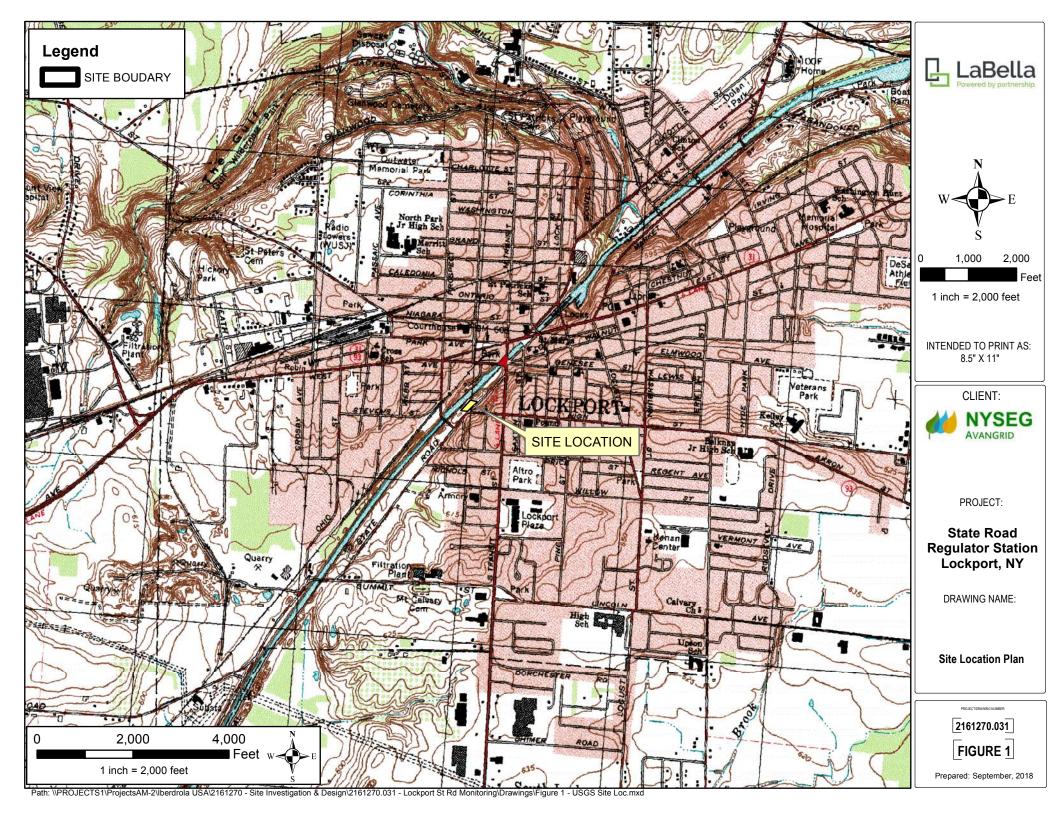
Attachment A: CAMP Data

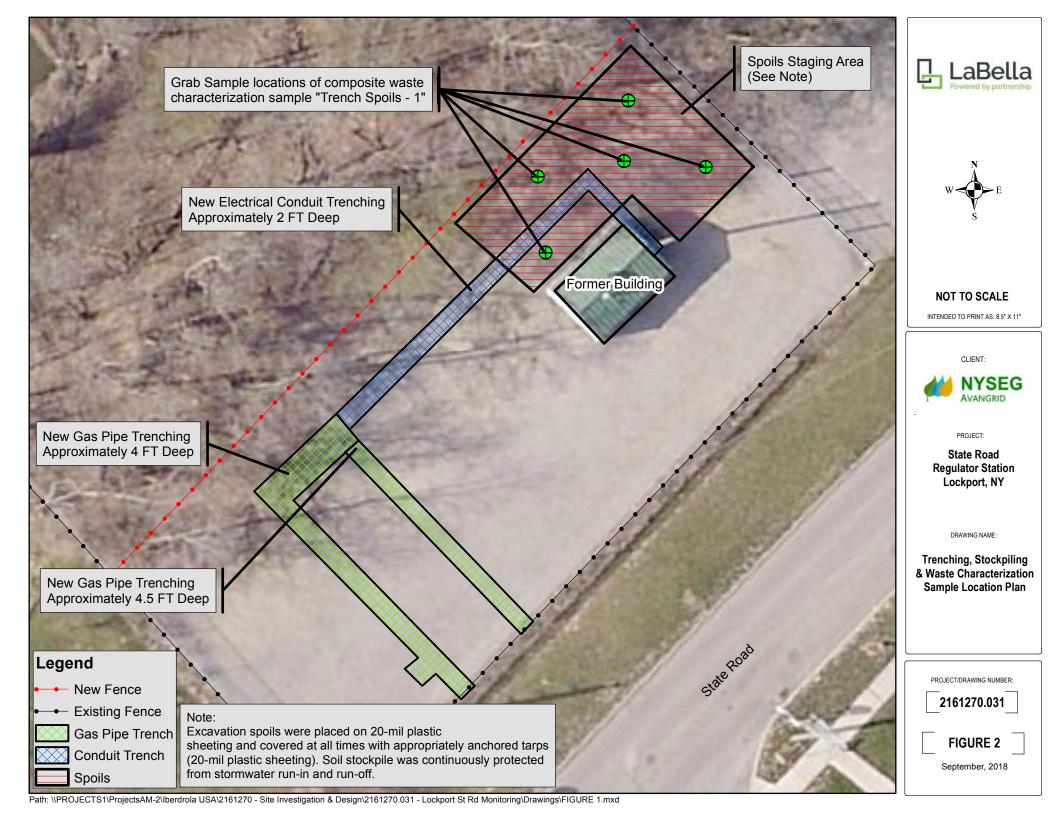
Attachment B: Laboratory Analytical Data

Attachment C: Data Usability Summary Report (DUSR)

Attachment D: Waste Disposal Documentation







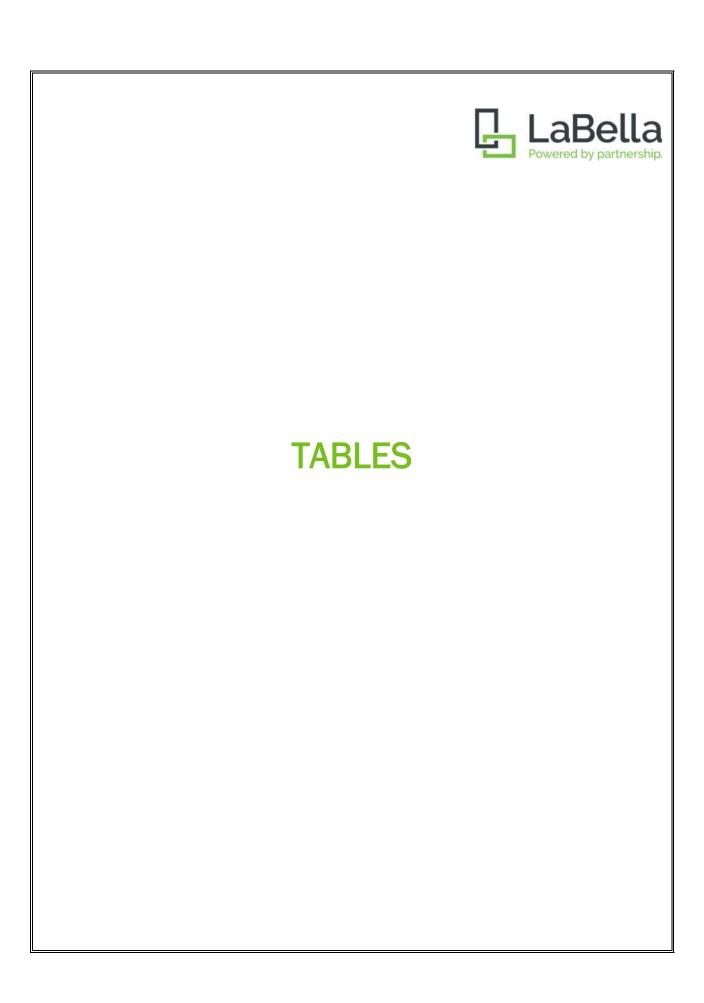


Table 1
Imported Backfill Material Sample Results
NYSEG Lockport State Road Former MGP Site
LaBella Project # 2161270.031.01

Sample ID	NYSDEC 6NYCRR	NYSDEC DER-10	Dry Screenings_1	Crusher Run #2_1
Sample Depth (ft bgs)	Part 375-6.8(a) Unrestricted Use	Commercial or	N/A	N/A
Sample Date	SC0s	Industrial Use SCOs	12/15/2017 & 2/2/2018	12/15/2017 & 2/2/2018
Metals			Result Qualifier	Result Qualifier
Arsenic	13	16.00	0.298 J	3.2
Barium	350	400.00	3.94	7.79
Beryllium	7.2	47.00	0.041 J	0.0083 J
Cadmium	2.5	7.50	<0.081	1.71
Chromium, trivalent	30	1500.00	1.76	2.51
Copper	50	270.00	2.45	5.16
Lead	63	450.00	13.9	25.3
Manganese Nickel	1600 30	2000.00 130.00	430 1.91 J	609 3.75
Selenium	3.9	4.00	1.91 J <0.213	<0.215
Silver	2	8.30	<0.213	<0.215
Zinc	109	2480.00	32.1	412
Mercury	0.18	0.73	<0.02	<0.02
Cyanide	27	10000.00	<0.22	<0.22
Herbicides				
2,4,5-TP Silvex	3.8	3.80	<0.00455	<0.00459
Pesticides				
4,4'-DDD	0.0033	17.00	<0.000569	<0.000599
4,4'-DDE	0.0033	47.00	<0.000369	<0.000388
4,4'-DDT	0.0033	14.00	<0.00128	<0.00135
Aldrin	0.005	0.19	<0.000562	<0.000592
alpha-BHC	0.02	0.02	<0.000189	<0.000199
beta-BHC	0.036	0.09	<0.000605	<0.000637
Chlordane (alpha)	0.094	2.90	<0.000556	<0.000585
delta-BHC	0.04	0.25	<0.000312	<0.000329
Dieldrin Endosulfan I	0.005	0.10	<0.000499	<0.000525
Endosulfan II	2.4	102.00 102.00	<0.000377 <0.000533	<0.000397 <0.000561
Endosulfan sulfate	2.4	200.00	<0.000335	<0.000381
Endrin	0.014	0.06	<0.000316	<0.000333
Heptachlor	0.042	0.38	<0.000273	<0.000287
Lindane	0.100	0.10	<0.000297	<0.000313
PCBs		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		***************************************
PCB 1016	NS	NS	<0.00373	<0.00363
PCB 1221	NS	NS	<0.005	<0.00488
PCB 1232	NS	NS	<0.00323	<0.00315
PCB 1242	NS	NS	<0.00402	<0.00392
PCB 1248	NS	NS NS	<0.00369	<0.00360
PCB 1254 PCB 1260	NS NS	NS NS	<0.00268 <0.00343	<0.00262 <0.00335
PCB 1262	NS	NS NS	<0.00270	<0.00263
PCB 1268	NS	NS	<0.00233	<0.00227
Total PCBs	0.1	1.00	0	0
Semivolatile Organic Compounds (SVOCs)				
2-Methylphenol	NL	NL	<0.026	<0.026
3&4-Methyl Phenol	NL	NL	<0.027	<0.027
Acenaphthene	20	98.00	<0.018	<0.018
Acenapthylene Anthracene	100	107.00	<0.026 <0.033	<0.026
Anthracene Benz(a)anthracene	100	500.00 1.00	<0.033	<0.033 <0.019
Benzo(a)pyrene	1	1.00	<0.019	<0.042
Benzo(b)fluoranthene	1	1.70	<0.029	<0.029
Benzo(g,h,i)perylene	100	500.00	<0.020	<0.020
Benzo(k)fluoranthene	0.8	1.70	<0.027	<0.027
Chrysene	1	1.00	<0.018	<0.018
Dibenz(a,h)anthracene	0.33	0.56	<0.020	<0.020
Fluoranthene	100	500.00	<0.020	<0.020
Fluorene	30	386.00	<0.017	<0.017
Hexachlorobenzene Indeno(1,2,3-cd)pyrene	NL 0.5	NL 5.60	<0.019 <0.024	<0.019 <0.024
Naphthalene	12	12.00	<0.024	<0.024
Pentachlorophenol	0.8	0.80	<0.038	<0.038
Phenanthrene	100	500.00	<0.021	<0.021
Phenol	0.33	0.33	<0.026	<0.026
Pyrene	100	500.00	<0.017	<0.017

Table 1
Imported Backfill Material Sample Results
NYSEG Lockport State Road Former MGP Site
LaBella Project # 2161270.031.01

Sample ID	NYSDEC 6NYCRR	NYSDEC DER-10	Dry Screenings_1	Crusher Run #2_1	
Sample Depth (ft bgs)	Part 375-6.8(a) Commercial or		N/A	N/A	
Sample Date	Unrestricted Use SCOs	Industrial Use SCOs	·	·	
Volatile Organic Compounds (VOCs)	5008		12/15/2017 & 2/2/2018	12/15/2017 & 2/2/2018	
1,1,1-Trichloroethane	0.68	0.68	<0.00045	<0.00032	
1,1,2,2-Tetrachloroethane	NL NL	NL NL	<0.00038	<0.00028	
1,1,2-Trichloroethane	NL	NL	<0.00040	<0.00029	
1,1,2-Trichlorotrifluoroethane (freon 113)	NL NL	NL NL	<0.00066	<0.00048	
1,1-Dichloroethane	0.27	0.27	<0.00034	<0.00025	
1,1-Dichloroethene	0.33	0.33	<0.00047	<0.00025	
1,2,4-Trichlorobenzene	NL	NL NL	<0.00027	<0.0002	
1,2,4-Trimethylbenzene	3.6	380.00	0.0036 J	<0.00017	
1,2-Dibromo-3-Chloropropane	NL NL	NL NL	<0.00050	<0.00037	
1.2-Dibromomethane	NL NL	NL NL	<0.00025	<0.00018	
1,2-Dichlorobenzene	1.1	1.10	<0.00023	<0.00017	
1,2-Dichloroethane	0.02	0.02	<0.00031	<0.00025	
1,2-Dichloropropane	NL	NL	<0.00029	<0.00021	
1,3,5-Trimethylbenzene	8.4	380.00	0.0027 J	<0.00015	
1,3-Dichlorobenzene	2.4	2.40	<0.00028	<0.0002	
1,4-Dichlorobenzene	1.8	1.80	<0.00023	<0.00017	
1,4-Dioxane	0.1	0.10	<0.018	<0.013	
2-Hexanone	NL	NL	<0.00085	<0.00062	
4-Methyl-2-Pentanone (MIBK)	NL	NL	<0.00031	<0.00023	
Acetone	0.05	0.05	<0.0029	<0.0021	
Benzene	0.06	0.06	<0.00025	<0.00039	
Bromochloromethane	NL	NL	<0.00039	<0.00039	
Bromodichloromethane	NL	NL	<0.00039	<0.00030	
Bromoform	NL	NL	<0.00030	<0.00043	
Bromomethane	NL	NL	<0.00043	<0.00019	
Carbon Disulfide	NL	NL	<0.0014	<0.001	
Carbon tetrachloride	0.76	0.76	<0.00044	<0.00032	
Chlorobenzene	1.1	1.10	<0.00044	<0.00032	
Chlorodibromomethane	NL	NL	<0.00040	<0.0004	
Chloroethane	NL	NL	<0.0004	<0.00047	
Chloroform	0.37	0.37	<0.00047	<0.00034	
Chloromethane	NL	NL	<0.00056	<0.0004	
cis -1,2-Dichloroethene	0.25	NL	<0.00044	<0.00044	
cis-1,3-dichloropropene	NL	NL	<0.00029	<0.00029	
Cyclohexane	NL	NL	0.00077 J	<0.0004	
Dibromofluoromethane	NL	NL	<0.00022	<0.00022	
Dichlorodifluoromethane	NL	NL	<0.00064	<0.00046	
Ethylbenzene	1	1.00	0.00068 J	<0.00016	
Isopropylbenzene	NL	NL	0.00046 J	<0.00019	
Methyl Acetate	NL	NL	<0.00059	<0.00040	
Methyl Cyclohexane	NL	NL	0.0033 J	0.00078 J	
Methyl ethyl ketone (2-butanone)	0.12	0.12	<0.00088	<0.00064	
Methyl tert-butyl ether	0.93	0.93	<0.00020	<0.00014	
Methylene chloride	0.05	0.05	<0.0021	<0.0015	
n - Propylbenzene	3.9	3.90	0.00078 J	<0.00020	
Naphthalene	NL	NL	0.00098 J	0.00018 J	
n-Butylbenzene	12	12.00	0.00057 J	<0.00021	
p-Isopropyltoluene	NL	NL	0.00036 J	<0.00019	
sec-Butylbenzene	11	11.00	0.00061 J	<0.0002	
Styrene	NL .	NL	<0.00051	<0.00037	
tert-Butylbenzene	5.9	5.90	<0.00032	<0.00023	
Tetrachloroethene	1.3	1.30	<0.00038	<0.00038	
Toluene	0.7	0.70	0.00063 J	0.00031 J	
trans-1,2-Dichloroethene	0.19	1000.00	<0.00031	<0.00031	
trans-1,2-Dichloroethene	NL NL	NL NI	<0.00031	<0.00031	
trans-1,3-dichloropropene	NL 0.47	NL 0.47	<0.00026	<0.00026	
Trichloroethene	0.47	0.47	<0.00038	<0.00038	
Trichlorofluoromethane	NL 0.00	NL 0.00	<0.00053	<0.00053	
Vinyl chloride	0.02	0.02	<0.00040	<0.00040	
o-xylene	NL NI	NL NI	0.001 J	<0.00032	
m,p-xylene	NL 0.00	NL 1.60	0.0023 J	<0.00031	
xylene (mixed)	0.26	1.60	0.0033 J	<0.0031	

#### NOTES:

All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)

Bold font indicates that the compound was detected at a concentration above its respective NYSDEC 6NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)

Red font indicates that the compound was detected at a concentration above its respective NYSDEC DER-10 Commercial or Industrial Use Import Criteria

NL indicates NYSDEC standard or guidance criteria not listed for this compound

\*Analytes without listed DER-10 Appendix 5 standard are substituted with Part 375 Unrestricted or Commercial Use SCOs.



<sup>&</sup>quot;<" - Indicates compound was not detected above the indicated laboratory method detection limit (MDL).

Table 2
Waste Characterization Sample Results
NYSEG Lockport State Road Former MGP Site
LaBella Project # 2161270.031.01

SAMPLE ID	SAMPLE ID			
SAMPLE DATE			12/18/2017	
SAMPLE TYPE			SOIL	
SAMPLE DEPTH (ft.)			N/A	
	EPA -TCLP		-	
ANALYTICAL PARAMETERS	Criteria	Units	Result	Qual
Chlorinated Herbicides by GC		<u>.</u>		<del>_</del>
2,4-D	NA	mg/kg	0.184	U
2,4,5-T	NA	mg/kg	0.184	U
2,4,5-TP (Silvex)	NA	mg/kg	0.184	U
General Chemistry	•			
Solids, Total	NA	%	88	
pH (H)	NA	SU	8.2	
Cyanide, Reactive	NA	mg/kg	10	U
Sulfide, Reactive	NA	mg/kg	10	U
Ignitability of Solids	•	-		
Ignitability	NA		NI	U
Organochlorine Pesticides by GC	*			
Delta-BHC	NA	mg/kg	0.0018	U
Lindane	NA	mg/kg	0.00075	U
Alpha-BHC	NA	mg/kg	0.00075	U
Beta-BHC	NA	mg/kg	0.0018	U
Heptachlor	NA	mg/kg	0.000901	U
Aldrin	NA	mg/kg	0.0018	U
Heptachlor epoxide	NA	mg/kg	0.0013	J
Endrin	NA	mg/kg	0.00175	PI
Endrin aldehyde	NA	mg/kg	0.00225	U
Endrin ketone	NA	mg/kg	0.0018	U
Dieldrin	NA	mg/kg	0.00112	U
4,4'-DDE	NA	mg/kg	0.0018	U
4,4'-DDD	NA	mg/kg	0.0029	
4,4'-DDT	NA	mg/kg	0.0132	Р
Endosulfan I	NA	mg/kg	0.0018	U
Endosulfan II	NA	mg/kg	0.0018	U
Endosulfan sulfate	NA	mg/kg	0.00075	U
Methoxychlor	NA	mg/kg	0.00338	U
Toxaphene	NA	mg/kg	0.0338	U
cis-Chlordane	NA	mg/kg	0.00225	U
trans-Chlordane	NA	mg/kg	0.00225	U
Chlordane	NA	mg/kg	0.0146	U
Polychlorinated Biphenyls by GC				
Aroclor 1016	NA	mg/kg	0.0367	U
Aroclor 1221	NA	mg/kg	0.0367	U
Aroclor 1232	NA	mg/kg	0.0367	U
Aroclor 1242	NA	mg/kg	0.0367	U
Aroclor 1248	NA	mg/kg	0.0367	U
Aroclor 1254	NA	mg/kg	0.0156	
Aroclor 1260	NA	mg/kg	0.0367	U
Aroclor 1262	NA	mg/kg	0.0367	U
Aroclor 1268	NA	mg/kg	0.0367	U
PCBs, Total	NA	mg/kg	0.0156	

Table 2
Waste Characterization Sample Results
NYSEG Lockport State Road Former MGP Site
LaBella Project # 2161270.031.01

SAMPLE ID			TRENCH SPOILS-1	
SAMPLE DATE		12/18/2017		
SAMPLE TYPE			SOIL	
SAMPLE DEPTH (ft.)			N/A	
	EPA -TCLP			
NALYTICAL PARAMETERS	Criteria	Units	Result	Qual
semivolatile Organics by GC/MS				
Acenaphthene	NA	mg/kg	0.15	
Hexachlorobenzene	NA	mg/kg	0.11	U
Bis(2-chloroethyl)ether	NA	mg/kg	0.17	U
2-Chloronaphthalene	NA	mg/kg	0.19	U
3,3'-Dichlorobenzidine	NA	mg/kg	0.19	U
2,4-Dinitrotoluene	NA	mg/kg	0.19	U
2,6-Dinitrotoluene	NA	mg/kg	0.19	U
Fluoranthene	NA	mg/kg	2.9	
4-Chlorophenyl phenyl ether	NA	mg/kg	0.19	U
4-Bromophenyl phenyl ether	NA	mg/kg	0.19	U
Bis(2-chloroisopropyl)ether	NA	mg/kg	0.22	U
Bis(2-chloroethoxy)methane	NA	mg/kg	0.2	U
Hexachlorobutadiene	NA	mg/kg	0.19	U
Hexachlorocyclopentadiene	NA	mg/kg	0.54	U
Hexachloroethane	NA	mg/kg	0.15	U
Isophorone	NA	mg/kg	0.17	U
Naphthalene	NA	mg/kg	0.028	J
Nitrobenzene	NA	mg/kg	0.17	U
NDPA/DPA	NA	mg/kg	0.15	U
n-Nitrosodi-n-propylamine	NA	mg/kg	0.19	U
Bis(2-ethylhexyl)phthalate	NA	mg/kg	0.19	U
Butyl benzyl phthalate	NA	mg/kg	0.19	U
Di-n-butylphthalate	NA	mg/kg	0.19	U
Di-n-octylphthalate	NA	mg/kg	0.19	U
Diethyl phthalate	NA	mg/kg	0.19	U
Dimethyl phthalate	NA	mg/kg	0.19	U
Benzo(a)anthracene	NA	mg/kg	1.6	
Benzo(a)pyrene	NA	mg/kg	1.6	
Benzo(b)fluoranthene	NA	mg/kg	2	
Benzo(k)fluoranthene	NA	mg/kg	0.66	
Chrysene	NA	mg/kg	1.5	
Acenaphthylene	NA	mg/kg	0.18	
Anthracene	NA	mg/kg	0.6	
Benzo(ghi)perylene	NA	mg/kg	0.9	
Fluorene	NA	mg/kg	0.2	
Phenanthrene	NA	mg/kg	1.8	
Dibenzo(a,h)anthracene	NA	mg/kg	0.26	
Indeno(1,2,3-cd)pyrene	NA	mg/kg	1	
Pyrene	NA	mg/kg	2.4	
Biphenyl	NA	mg/kg	0.43	U
4-Chloroaniline	NA	mg/kg	0.19	U
2-Nitroaniline	NA	mg/kg	0.19	U
3-Nitroaniline	NA	mg/kg	0.19	U
4-Nitroaniline	NA	mg/kg	0.19	U

Table 2
Waste Characterization Sample Results
NYSEG Lockport State Road Former MGP Site
LaBella Project # 2161270.031.01

SAMPLE ID			TRENCH SPOILS-1	
SAMPLE DATE			12/18/2017	
SAMPLE TYPE			SOIL	
SAMPLE DEPTH (ft.)			N/A	
	EPA -TCLP			
NALYTICAL PARAMETERS	Criteria	Units	Result	Qual
Dibenzofuran	NA	mg/kg	0.097	J
2-Methylnaphthalene	NA	mg/kg	0.059	J
1,2,4,5-Tetrachlorobenzene	NA	mg/kg	0.19	U
Acetophenone	NA	mg/kg	0.19	U
2,4,6-Trichlorophenol	NA	mg/kg	0.11	U
p-Chloro-m-cresol	NA	mg/kg	0.19	U
2-Chlorophenol	NA	mg/kg	0.19	U
2,4-Dichlorophenol	NA	mg/kg	0.17	U
2,4-Dimethylphenol	NA	mg/kg	0.19	U
2-Nitrophenol	NA	mg/kg	0.4	U
4-Nitrophenol	NA	mg/kg	0.26	U
2,4-Dinitrophenol	NA	mg/kg	0.9	U
4,6-Dinitro-o-cresol	NA	mg/kg	0.49	U
Pentachlorophenol	NA	mg/kg	0.15	U
Phenol	NA	mg/kg	0.19	U
2-Methylphenol	NA	mg/kg	0.19	U
3-Methylphenol/4-Methylphenol	NA	mg/kg	0.27	U
2,4,5-Trichlorophenol	NA	mg/kg	0.19	U
Carbazole	NA	mg/kg	0.093	J
Atrazine	NA	mg/kg	0.15	U
Benzaldehyde	NA	mg/kg	0.25	U
Caprolactam	NA	mg/kg	0.19	U
2,3,4,6-Tetrachlorophenol	NA	mg/kg	0.19	U
CLP Herbicides by EPA 1311		<u> </u>		
2,4-D	10	mg/l	0.025	U
2,4,5-TP (Silvex)	1	mg/l	0.005	U
CLP Metals by EPA 1311		, 3		
Arsenic, TCLP	5	mg/l	1	U
Barium, TCLP	100	mg/l	0.611	<del>-</del>
Cadmium, TCLP	1	mg/l	0.1	U
Chromium, TCLP	5	mg/l	0.2	U
Lead, TCLP	5	mg/l	0.5	U
Mercury, TCLP	0.2	mg/l	0.001	U
Selenium, TCLP	1	mg/l	0.5	U
Silver, TCLP	5	mg/l	0.1	U
CLP Pesticides by EPA 1311	<u> </u>	6/ '	1 3.2	
Lindane	0.4	mg/l	0.0001	U
Heptachlor	0.008	mg/l	0.0001	U
Heptachlor epoxide	0.008	mg/l	0.0001	U
Endrin	0.000	mg/l	0.0001	U
Methoxychlor	10	mg/l	0.001	U
Toxaphene	0.5	mg/l	0.001	U
Chlordane	0.03	mg/l	0.001	U
CLP Semivolatiles by EPA 1311	1 0.00	1116/1	1 0.001	
Hexachlorobenzene	0.13	mg/l	0.01	U
HOAGOINGTODONZONO	0.10	1116/1	0.01	U

Table 2
Waste Characterization Sample Results
NYSEG Lockport State Road Former MGP Site
LaBella Project # 2161270.031.01

SAMPLE ID			TRENCH SPOILS-1	
SAMPLE DATE			12/18/2017	
SAMPLE TYPE			SOIL	
SAMPLE DEPTH (ft.)			N/A	
	EPA -TCLP			
ANALYTICAL PARAMETERS	Criteria	Units	Result	Qual
2,4-Dinitrotoluene	0.13	mg/l	0.025	U
Hexachlorobutadiene	0.5	mg/l	0.01	U
Hexachloroethane	3	mg/l	0.01	U
Nitrobenzene	2	mg/l	0.01	U
2,4,6-Trichlorophenol	2	mg/l	0.025	U
Pentachlorophenol	100	mg/l	0.05	U
2-Methylphenol	200	mg/l	0.025	U
3-Methylphenol/4-Methylphenol	200	mg/l	0.025	U
2,4,5-Trichlorophenol	400	mg/l	0.025	U
Pyridine	5	mg/l	0.018	U
CLP Volatiles by EPA 1311				
Chloroform	6	mg/l	0.0075	U
Carbon tetrachloride	0.5	mg/l	0.005	U
Tetrachloroethene	0.7	mg/l	0.005	U
Chlorobenzene	100	mg/l	0.005	U
1,2-Dichloroethane	0.5	mg/l	0.005	U
Benzene	0.5	mg/l	0.005	U
Vinyl chloride	0.2	mg/l	0.01	U
1,1-Dichloroethene	0.7	mg/l	0.005	U
Trichloroethene	0.5	mg/l	0.005	U
1,4-Dichlorobenzene	7.5	mg/l	0.025	U
2-Butanone	200	mg/l	0.05	U
otal Metals		<del></del>	<u>!</u>	
Aluminum, Total	NA	mg/kg	4700	
Antimony, Total	NA	mg/kg	0.818	J
Arsenic, Total	NA	mg/kg	3.56	
Barium, Total	NA	mg/kg	78.8	
Beryllium, Total	NA	mg/kg	0.241	J
Cadmium, Total	NA	mg/kg	0.861	U
Calcium, Total	NA	mg/kg	71900	
Chromium, Total	NA	mg/kg	7.46	
Cobalt, Total	NA	mg/kg	4.59	
Copper, Total	NA	mg/kg	17.5	
Iron, Total	NA	mg/kg	11200	
Lead, Total	NA	mg/kg	33.9	
Magnesium, Total	NA	mg/kg	17400	
Manganese, Total	NA	mg/kg	641	
Mercury, Total	NA	mg/kg	0.15	
Nickel, Total	NA	mg/kg	9.5	
Potassium, Total	NA	mg/kg	622	
Selenium, Total	NA	mg/kg	1.72	U
Silver, Total	NA	mg/kg	0.861	U
Sodium, Total	NA	mg/kg	109	J
Thallium, Total	NA NA	mg/kg	1.72	U
Vanadium, Total	NA	mg/kg	11.4	

Table 2
Waste Characterization Sample Results
NYSEG Lockport State Road Former MGP Site
LaBella Project # 2161270.031.01

SAMPLE ID			TRENCH SPOILS-1	
SAMPLE DATE			12/18/2017	
SAMPLE TYPE			SOIL	
SAMPLE DEPTH (ft.)	SAMPLE DEPTH (ft.)			
	EPA -TCLP			
ANALYTICAL PARAMETERS	Criteria	Units	Result	Qual
Zinc, Total	NA	mg/kg	37.4	
Volatile Organics by 8260/5035				
Methylene chloride	NA	mg/kg	0.0084	U
1,1-Dichloroethane	NA	mg/kg	0.0012	U
Chloroform	NA	mg/kg	0.0012	U
Carbon tetrachloride	NA	mg/kg	0.00084	U
1,2-Dichloropropane	NA	mg/kg	0.0029	U
Dibromochloromethane	NA	mg/kg	0.00084	U
1,1,2-Trichloroethane	NA	mg/kg	0.0012	U
Tetrachloroethene	NA	mg/kg	0.00037	J
Chlorobenzene	NA	mg/kg	0.00084	U
Trichlorofluoromethane	NA	mg/kg	0.0042	U
1,2-Dichloroethane	NA	mg/kg	0.00084	U
1,1,1-Trichloroethane	NA	mg/kg	0.00084	U
Bromodichloromethane	NA	mg/kg	0.00084	U
trans-1,3-Dichloropropene	NA	mg/kg	0.00084	U
cis-1,3-Dichloropropene	NA	mg/kg	0.00084	U
Bromoform	NA	mg/kg	0.0033	U
1,1,2,2-Tetrachloroethane	NA	mg/kg	0.00084	U
Benzene	NA	mg/kg	0.00084	U
Toluene	NA	mg/kg	0.0012	U
Ethylbenzene	NA	mg/kg	0.00084	U
Chloromethane	NA	mg/kg	0.0042	U
Bromomethane	NA	mg/kg	0.0017	U
Vinyl chloride	NA	mg/kg	0.0017	U

Table 2
Waste Characterization Sample Results
NYSEG Lockport State Road Former MGP Site
LaBella Project # 2161270.031.01

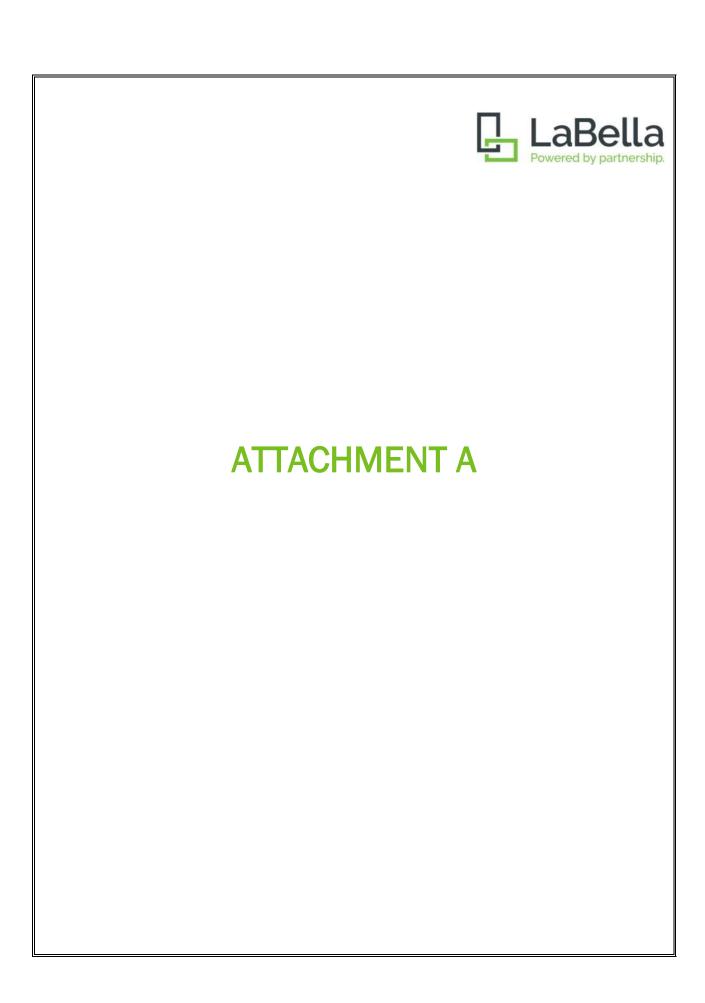
SAMPLE ID			TRENCH SPOILS-1	
SAMPLE DATE			12/18/2017	
SAMPLE TYPE			SOIL	
SAMPLE DEPTH (ft.)			N/A	
	EPA -TCLP			
ANALYTICAL PARAMETERS	Criteria	Units	Result	Qual
Chloroethane	NA	mg/kg	0.0017	U
1,1-Dichloroethene	NA	mg/kg	0.00084	U
trans-1,2-Dichloroethene	NA	mg/kg	0.0012	U
Trichloroethene	NA	mg/kg	0.00084	U
1,2-Dichlorobenzene	NA	mg/kg	0.0042	U
1,3-Dichlorobenzene	NA	mg/kg	0.0042	U
1,4-Dichlorobenzene	NA	mg/kg	0.0042	U
Methyl tert butyl ether	NA	mg/kg	0.0017	U
p/m-Xylene	NA	mg/kg	0.0017	U
o-Xylene	NA	mg/kg	0.0017	U
cis-1,2-Dichloroethene	NA	mg/kg	0.00084	U
Styrene	NA	mg/kg	0.0017	U
Dichlorodifluoromethane	NA	mg/kg	0.0084	U
Acetone	NA	mg/kg	0.0084	U
Carbon disulfide	NA	mg/kg	0.0084	U
2-Butanone	NA	mg/kg	0.0084	U
4-Methyl-2-pentanone	NA	mg/kg	0.0084	U
2-Hexanone	NA	mg/kg	0.0084	U
1,2-Dibromoethane	NA	mg/kg	0.0033	U
n-Butylbenzene	NA	mg/kg	0.00084	U
sec-Butylbenzene	NA	mg/kg	0.00084	U
tert-Butylbenzene	NA	mg/kg	0.0042	U
1,2-Dibromo-3-chloropropane	NA	mg/kg	0.0042	U
Isopropylbenzene	NA	mg/kg	0.00084	U
p-lsopropyltoluene	NA	mg/kg	0.00084	U
Naphthalene	NA	mg/kg	0.0016	J
n-Propylbenzene	NA	mg/kg	0.00084	U
1,2,4-Trichlorobenzene	NA	mg/kg	0.0042	U
1,3,5-Trimethylbenzene	NA	mg/kg	0.0042	U
1,2,4-Trimethylbenzene	NA	mg/kg	0.0042	U
Methyl Acetate	NA	mg/kg	0.017	U
Cyclohexane	NA	mg/kg	0.017	U
Freon-113	NA	mg/kg	0.017	U
Methyl cyclohexane	NA	mg/kg	0.0033	U

#### Notes:

- I The lower value for the two columns has been reported due to obvious interference.
- J Sample result is above the MDL but below the RL, therefore the concentration is estimated
- P The RPD between the results for the two columns exceeds the method-specified criteria.
- U Not detected at the reported detection limit for the sample.

EPA-TCLP Criteria: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.





# **Test 012**

Instru	ment	Data Prop	erties
Model	DustTrak II	Start Date 12/18/201	
Instrument S/N	8530133819	Start Time	09:32:06
		Stop Date 12/18/2017	
		Stop Time	15:02:06
		Total Time	0:05:30:00
		Logging Interval	900 seconds

	Test Data				
Data Point	Date	Time	AEROSOL mg/m^3		
1	12/18/2017	09:47:06	0.075		
2	12/18/2017	10:02:06	0.078		
3	12/18/2017	10:17:06	0.082		
4	12/18/2017	10:32:06	0.084		
5	12/18/2017	10:47:06	0.084		
6	12/18/2017	11:02:06	0.081		
7	12/18/2017	11:17:06	0.078		
8	12/18/2017	11:32:06	0.078		
9	12/18/2017	11:47:06	0.078		
10	12/18/2017	12:02:06	0.082		
11	12/18/2017	12:17:06	0.077		
12	12/18/2017	12:32:06	0.076		
13	12/18/2017	12:47:06	0.077		
14	12/18/2017	13:02:06	0.075		
15	12/18/2017	13:17:06	0.075		
16	12/18/2017	13:32:06	0.073		
17	12/18/2017	13:47:06	0.070		
18	12/18/2017	14:02:06	0.069		
19	12/18/2017	14:17:06	0.068		
20	12/18/2017	14:32:06	0.067		
21	12/18/2017	14:47:06	0.065		
22	12/18/2017	15:02:06	0.066		

## **Test 013**

Instru	iment	Data Properties	
Model	DustTrak II	Start Date 12/19/201	
Instrument S/N	8530133819	Start Time	08:33:17
		Stop Date 12/19/2017	
		Stop Time 14:18:17	
		Total Time	0:05:45:00
		Logging Interval	900 seconds

	Test Data				
Data Point	Date	Time	AEROSOL mg/m <sup>3</sup>		
1	12/19/2017	08:48:17	0.061		
2	12/19/2017	09:03:17	0.061		
3	12/19/2017	09:18:17	0.061		
4	12/19/2017	09:33:17	0.063		
5	12/19/2017	09:48:17	0.063		
6	12/19/2017	10:03:17	0.063		
7	12/19/2017	10:18:17	0.063		
8	12/19/2017	10:33:17	0.064		
9	12/19/2017	10:48:17	0.064		
10	12/19/2017	11:03:17	0.063		
11	12/19/2017	11:18:17	0.063		
12	12/19/2017	11:33:17	0.062		
13	12/19/2017	11:48:17	0.062		
14	12/19/2017	12:03:17	0.061		
15	12/19/2017	12:18:17	0.058		
16	12/19/2017	12:33:17	0.057		
17	12/19/2017	12:48:17	0.057		
18	12/19/2017	13:03:17	0.057		
19	12/19/2017	13:18:17	0.058		
20	12/19/2017	13:33:17	0.059		
21	12/19/2017	13:48:17	0.059		
22	12/19/2017	14:03:17	0.060		
23	12/19/2017	14:18:17	0.060		

## **Test 014**

Instrument		Data Properties	
Model	DustTrak II	Start Date	12/20/2017
Instrument S/N	8530133819	Start Time	08:53:55
		Stop Date	12/20/2017
		Stop Time	14:23:55
		Total Time	0:05:30:00
		Logging Interval	900 seconds

	Test Data			
Data Point	Date	Time	AEROSOL mg/m^3	
1	12/20/2017	09:08:55	0.003	
2	12/20/2017	09:23:55	0.003	
3	12/20/2017	09:38:55	0.004	
4	12/20/2017	09:53:55	0.004	
5	12/20/2017	10:08:55	0.004	
6	12/20/2017	10:23:55	0.004	
7	12/20/2017	10:38:55	0.005	
8	12/20/2017	10:53:55	0.005	
9	12/20/2017	11:08:55	0.004	
10	12/20/2017	11:23:55	0.004	
11	12/20/2017	11:38:55	0.004	
12	12/20/2017	11:53:55	0.005	
13	12/20/2017	12:08:55	0.005	
14	12/20/2017	12:23:55	0.004	
15	12/20/2017	12:38:55	0.004	
16	12/20/2017	12:53:55	0.005	
17	12/20/2017	13:08:55	0.004	
18	12/20/2017	13:23:55	0.004	
19	12/20/2017	13:38:55	0.004	
20	12/20/2017	13:53:55	0.004	
21	12/20/2017	14:08:55	0.004	
22	12/20/2017	14:23:55	0.005	

## **Test 001**

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/26/2018
Instrument S/N	8530133704	Start Time	07:48:00
		Stop Date	02/26/2018
		Stop Time	12:48:00
		Total Time	0:05:00:00
		Logging Interval	900 seconds

	Test Data			
Data Point	Date	Time	AEROSOL mg/m^3	
1	02/26/2018	08:03:00	0.030	
2	02/26/2018	08:18:00	0.027	
3	02/26/2018	08:33:00	0.025	
4	02/26/2018	08:48:00	0.025	
5	02/26/2018	09:03:00	0.024	
6	02/26/2018	09:18:00	0.021	
7	02/26/2018	09:33:00	0.019	
8	02/26/2018	09:48:00	0.019	
9	02/26/2018	10:03:00	0.017	
10	02/26/2018	10:18:00	0.016	
11	02/26/2018	10:33:00	0.015	
12	02/26/2018	10:48:00	0.015	
13	02/26/2018	11:03:00	0.015	
14	02/26/2018	11:18:00	0.015	
15	02/26/2018	11:33:00	0.014	
16	02/26/2018	11:48:00	0.013	
17	02/26/2018	12:03:00	0.012	
18	02/26/2018	12:18:00	0.012	
19	02/26/2018	12:33:00	0.013	
20	02/26/2018	12:48:00	0.012	

## **Test 002**

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/27/2018
Instrument S/N	8530133704	Start Time	07:58:19
		Stop Date	02/27/2018
		Stop Time	11:58:19
		Total Time	0:04:00:00
		Logging Interval	900 seconds

	Test Data			
Data Point	Date	Time	AEROSOL mg/m^3	
1	02/27/2018	08:13:19	0.017	
2	02/27/2018	08:28:19	0.017	
3	02/27/2018	08:43:19	0.018	
4	02/27/2018	08:58:19	0.018	
5	02/27/2018	09:13:19	0.017	
6	02/27/2018	09:28:19	0.017	
7	02/27/2018	09:43:19	0.016	
8	02/27/2018	09:58:19	0.017	
9	02/27/2018	10:13:19	0.016	
10	02/27/2018	10:28:19	0.017	
11	02/27/2018	10:43:19	0.017	
12	02/27/2018	10:58:19	0.019	
13	02/27/2018	11:13:19	0.017	
14	02/27/2018	11:28:19	0.016	
15	02/27/2018	11:43:19	0.017	
16	02/27/2018	11:58:19	0.018	

## **Test 003**

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/27/2018
Instrument S/N	8530133704	Start Time	13:29:01
		Stop Date	02/27/2018
		Stop Time	15:14:01
		Total Time	0:01:45:00
		Logging Interval	900 seconds

	Test Data			
Data Point	Date	Time	AEROSOL mg/m <sup>3</sup>	
1	02/27/2018	13:44:01	0.016	
2	02/27/2018	13:59:01	0.014	
3	02/27/2018	14:14:01	0.015	
4	02/27/2018	14:29:01	0.018	
5	02/27/2018	14:44:01	0.016	
6	02/27/2018	14:59:01	0.015	
7	02/27/2018	15:14:01	0.015	

# **Test 004**

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/28/2018
Instrument S/N	8530133704	Start Time	07:59:25
		Stop Date	02/28/2018
		Stop Time	08:44:25
		Total Time	0:00:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	02/28/2018	08:14:25	0.019
2	02/28/2018	08:29:25	0.015
3	02/28/2018	08:44:25	0.017

## **Test 005**

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/28/2018
Instrument S/N	8530133704	Start Time	09:25:57
		Stop Date	02/28/2018
		Stop Time	09:40:57
		Total Time	0:00:15:00

Test Data			
Data Point Date Time AEROSOL mg/m^3			
1	02/28/2018	09:40:57	0.010

## **Test 030**

Instrument		Data Properties	
Model	DustTrak II	Start Date	04/30/2018
Instrument S/N	8530133819	Start Time	07:51:57
		Stop Date	04/30/2018
		Stop Time	11:51:57
		Total Time	0:04:00:00
		Logging Interval	900 seconds

	Test Data			
Data Point	Date	Time	AEROSOL mg/m^3	
1	04/30/2018	08:06:57	0.014	
2	04/30/2018	08:21:57	0.012	
3	04/30/2018	08:36:57	0.009	
4	04/30/2018	08:51:57	0.009	
5	04/30/2018	09:06:57	0.010	
6	04/30/2018	09:21:57	0.009	
7	04/30/2018	09:36:57	0.010	
8	04/30/2018	09:51:57	0.009	
9	04/30/2018	10:06:57	0.009	
10	04/30/2018	10:21:57	0.009	
11	04/30/2018	10:36:57	0.009	
12	04/30/2018	10:51:57	0.009	
13	04/30/2018	11:06:57	0.009	
14	04/30/2018	11:21:57	0.009	
15	04/30/2018	11:36:57	0.010	
16	04/30/2018	11:51:57	0.012	

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## **Test 001**

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/26/2018
Instrument S/N	8530133704	Start Time	07:48:00
		Stop Date	02/26/2018
		Stop Time	12:48:00
		Total Time	0:05:00:00
		Logging Interval	900 seconds

	Test Data			
Data Point	Date	Time	AEROSOL mg/m^3	
1	02/26/2018	08:03:00	0.030	
2	02/26/2018	08:18:00	0.027	
3	02/26/2018	08:33:00	0.025	
4	02/26/2018	08:48:00	0.025	
5	02/26/2018	09:03:00	0.024	
6	02/26/2018	09:18:00	0.021	
7	02/26/2018	09:33:00	0.019	
8	02/26/2018	09:48:00	0.019	
9	02/26/2018	10:03:00	0.017	
10	02/26/2018	10:18:00	0.016	
11	02/26/2018	10:33:00	0.015	
12	02/26/2018	10:48:00	0.015	
13	02/26/2018	11:03:00	0.015	
14	02/26/2018	11:18:00	0.015	
15	02/26/2018	11:33:00	0.014	
16	02/26/2018	11:48:00	0.013	
17	02/26/2018	12:03:00	0.012	
18	02/26/2018	12:18:00	0.012	
19	02/26/2018	12:33:00	0.013	
20	02/26/2018	12:48:00	0.012	

## **Test 002**

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/27/2018
Instrument S/N	8530133704	Start Time	07:58:19
		Stop Date	02/27/2018
		Stop Time	11:58:19
		Total Time	0:04:00:00
		Logging Interval	900 seconds

	Test Data			
Data Point	Date	Time	AEROSOL mg/m^3	
1	02/27/2018	08:13:19	0.017	
2	02/27/2018	08:28:19	0.017	
3	02/27/2018	08:43:19	0.018	
4	02/27/2018	08:58:19	0.018	
5	02/27/2018	09:13:19	0.017	
6	02/27/2018	09:28:19	0.017	
7	02/27/2018	09:43:19	0.016	
8	02/27/2018	09:58:19	0.017	
9	02/27/2018	10:13:19	0.016	
10	02/27/2018	10:28:19	0.017	
11	02/27/2018	10:43:19	0.017	
12	02/27/2018	10:58:19	0.019	
13	02/27/2018	11:13:19	0.017	
14	02/27/2018	11:28:19	0.016	
15	02/27/2018	11:43:19	0.017	
16	02/27/2018	11:58:19	0.018	

## **Test 003**

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/27/2018
Instrument S/N	8530133704	Start Time	13:29:01
		Stop Date	02/27/2018
		Stop Time	15:14:01
		Total Time	0:01:45:00
		Logging Interval	900 seconds

	Test Data			
Data Point	Date	Time	AEROSOL mg/m <sup>3</sup>	
1	02/27/2018	13:44:01	0.016	
2	02/27/2018	13:59:01	0.014	
3	02/27/2018	14:14:01	0.015	
4	02/27/2018	14:29:01	0.018	
5	02/27/2018	14:44:01	0.016	
6	02/27/2018	14:59:01	0.015	
7	02/27/2018	15:14:01	0.015	

# **Test 004**

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/28/2018
Instrument S/N	8530133704	Start Time	07:59:25
		Stop Date	02/28/2018
		Stop Time	08:44:25
		Total Time	0:00:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	02/28/2018	08:14:25	0.019
2	02/28/2018	08:29:25	0.015
3	02/28/2018	08:44:25	0.017

## **Test 005**

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/28/2018
Instrument S/N	8530133704	Start Time	09:25:57
		Stop Date	02/28/2018
		Stop Time	09:40:57
		Total Time	0:00:15:00

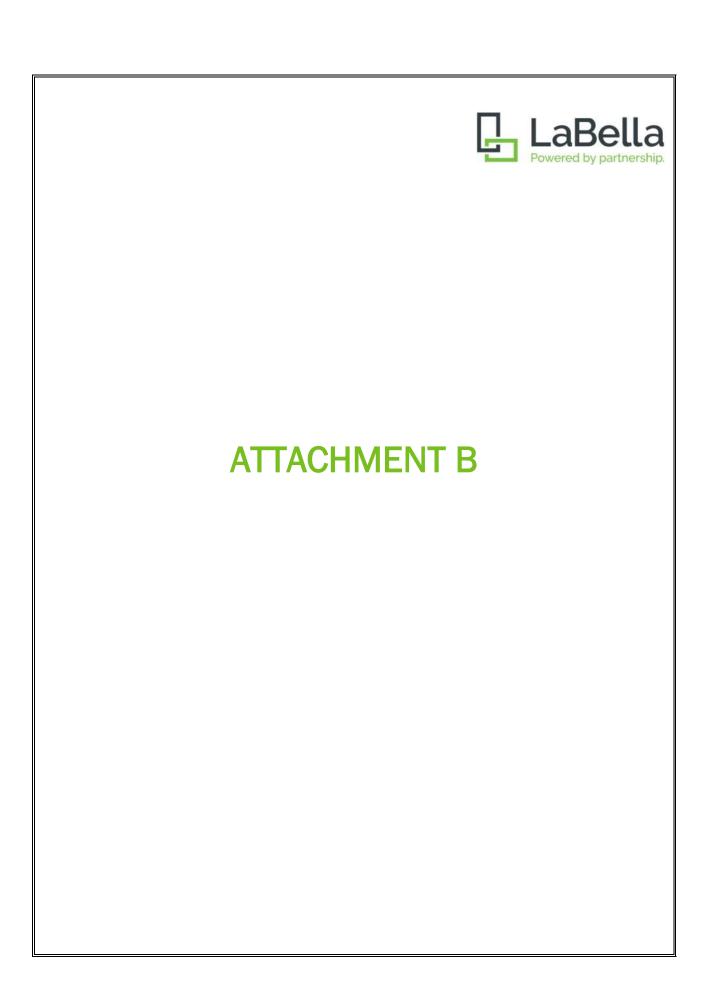
Test Data			
Data Point Date Time AEROSOL mg/m^3			
1	02/28/2018	09:40:57	0.010

## **Test 007**

Instrument		Data Properties		
Model	DustTrak II	Start Date	04/30/2018	
Instrument S/N	8530133810	Start Time	07:48:16	
		Stop Date	04/30/2018	
		Stop Time	11:48:16	
		Total Time	0:04:00:00	
		Logging Interval	900 seconds	

Test Data						
Data Point	Date	Time	AEROSOL mg/m^3			
1	04/30/2018	08:03:16	0.018			
2	04/30/2018	08:18:16	0.011			
3	04/30/2018	08:33:16	0.009			
4	04/30/2018	08:48:16	0.009			
5	04/30/2018	09:03:16	0.009			
6	04/30/2018	09:18:16	0.009			
7	04/30/2018	09:33:16	0.014			
8	04/30/2018	09:48:16	0.009			
9	04/30/2018	10:03:16	0.009			
10	04/30/2018	10:18:16	0.009			
11	04/30/2018	10:33:16	0.008			
12	04/30/2018	10:48:16	0.008			
13	04/30/2018	11:03:16	0.008			
14	04/30/2018	11:18:16	0.010			
15	04/30/2018	11:33:16	0.013			
16	04/30/2018	11:48:16	0.013			

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#### ANALYTICAL REPORT

Lab Number: L1746394

Client: LaBella Associates, P.C.

300 State Street

Suite 201

Rochester, NY 14614

ATTN: Christie Sobol Phone: (585) 454-6110

Project Name: NYSEG LOCKPORT STATE RD FMR

Project Number: 2161270.031

Report Date: 02/09/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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



**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

**Lab Number:** L1746394 **Report Date:** 02/09/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1746394-01	DRY SCREENINGS_1	SOIL	Not Specified	12/15/17 09:40	12/15/17
L1746394-02	CRUSHER RUN#2_1	SOIL	Not Specified	12/15/17 09:50	12/15/17



**Project Number:** 2161270.031 **Report Date:** 02/09/18

#### **Case Narrative**

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

#### HOLD POLICY

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

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



Project Name:NYSEG LOCKPORT STATE RD FMRLab Number:L1746394Project Number:2161270.031Report Date:02/09/18

#### **Case Narrative (continued)**

Report Revision

February 09, 2018: 1,4-Dioxane has been added to the Volatile Organics compound list.

Report Submission

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

**Total Metals** 

L1746394-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1074097-3 MS recoveries, performed on L1746394-01, are outside the acceptance criteria for aluminum (270%), silver (127%), thallium (72%) and zinc (47%). A post digestion spike was performed and yielded unacceptable recoveries for silver (19%) and thallium (77%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG1074097-3 MS recoveries for calcium (0%), iron (1110%), magnesium (633%) and manganese (197%), performed on L1746394-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1074097-4 Laboratory Duplicate RPDs for lead (29%) and magnesium (28%), performed on L1746394-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

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

Season Kelly Stenstrom

Authorized Signature:

Title: Technical Director/Representative Date: 02/09/18

## **ORGANICS**



## **VOLATILES**



L1746394

02/09/18

Not Specified

**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

**SAMPLE RESULTS** 

Lab Number:

Report Date:

Field Prep:

L1746394-01 Date Collected: 12/15/17 09:40 DRY SCREENINGS\_1 Date Received: 12/15/17

Sample Location: Not Specified

Sample Depth:

Lab ID:

Client ID:

Matrix: Soil Analytical Method: 1,8260C

Analytical Date: 12/18/17 08:54

Analyst: JC 96% Percent Solids:

1.1-Dichloroethane	Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
ND	Volatile Organics by 8260/5035 - \	Westborough Lab					
Chloroform         ND         ug/kg         1.9         0.47         1           Carbon tetrachloride         ND         ug/kg         1.3         0.44         1           1.2-Dichloropropane         ND         ug/kg         4.5         0.29         1           Dibromochloromethane         ND         ug/kg         1.3         0.22         1           1.1,1-2-Trichloroethane         ND         ug/kg         1.3         0.40         1           Tetrachloroethane         ND         ug/kg         1.3         0.44         1           Chlorobenzene         ND         ug/kg         1.3         0.44         1           Trichloroethane         ND         ug/kg         1.3         0.44         1           1,2-Dichloroethane         ND         ug/kg         1.3         0.44         1           1,1-1-Trichloroethane         ND         ug/kg         1.3         0.45         1           Bromodichloromethane         ND         ug/kg         1.3         0.45         1           ttans-1,3-Dichloropropene         ND         ug/kg         1.3         0.26         1           dis-1,3-Dichloropropene         ND         ug/kg         1.3	Methylene chloride	ND		ug/kg	13	2.1	1
Carbon tetrachloride         ND         ug/kg         1.3         0.44         1           1,2-Dichloropropane         ND         ug/kg         4.5         0.29         1           Dibromochloromethane         ND         ug/kg         1.3         0.22         1           1,1,2-Trichloroethane         ND         ug/kg         1.3         0.40         1           Tetrachloroethane         ND         ug/kg         1.3         0.38         1           Chlorobanzene         ND         ug/kg         1.3         0.44         1           Trichlorofluoromethane         ND         ug/kg         6.4         0.53         1           1,1-Trichloroethane         ND         ug/kg         1.3         0.45         1           Bromodichloromethane         ND         ug/kg         1.3         0.45         1           Bromodichloropropene         ND         ug/kg         1.3         0.26         1           Bromoform         ND         ug/kg         1.3         0.26         1           cis-1,3-Dichloropropene         ND         ug/kg         1.3         0.29         1           Benzene         ND         ug/kg         1.3         0.25 <td>1,1-Dichloroethane</td> <td>ND</td> <td></td> <td></td> <td>1.9</td> <td>0.34</td> <td>1</td>	1,1-Dichloroethane	ND			1.9	0.34	1
1,2-Dichloropropane   ND	Chloroform	ND		ug/kg	1.9	0.47	1
Dibromochloromethane   ND	Carbon tetrachloride	ND		ug/kg	1.3	0.44	1
1,1,2-Trichloroethane   ND	1,2-Dichloropropane	ND		ug/kg	4.5	0.29	1
Tetrachloroethene         ND         ug/kg         1.3         0.38         1           Chlorobenzene         ND         ug/kg         1.3         0.44         1           Trichlorofluoromethane         ND         ug/kg         6.4         0.53         1           1,2-Dichloroethane         ND         ug/kg         1.3         0.31         1           1,1,1-Trichloroethane         ND         ug/kg         1.3         0.45         1           Bromodichloromethane         ND         ug/kg         1.3         0.39         1           Bromodichloropropene         ND         ug/kg         1.3         0.26         1           trans-1,3-Dichloropropene         ND         ug/kg         1.3         0.29         1           Bromoform         ND         ug/kg         5.1         0.30         1           1,1,2,2-Eterachloroethane         ND         ug/kg         1.3         0.29         1           Benzene         ND         ug/kg         1.3         0.25         1           Tolluene         0.63         J         ug/kg         1.3         0.25         1           Ethylbenzene         0.68         J         ug/kg <td< td=""><td>Dibromochloromethane</td><td>ND</td><td></td><td>ug/kg</td><td>1.3</td><td>0.22</td><td>1</td></td<>	Dibromochloromethane	ND		ug/kg	1.3	0.22	1
Chlorobenzene         ND         ug/kg         1.3         0.44         1           Trichlorofluoromethane         ND         ug/kg         6.4         0.53         1           1,2-Dichloroethane         ND         ug/kg         1.3         0.31         1           1,1,1-Trichloroethane         ND         ug/kg         1.3         0.45         1           Bromodichloromethane         ND         ug/kg         1.3         0.39         1           Bromodichloropropene         ND         ug/kg         1.3         0.26         1           cis-1,3-Dichloropropene         ND         ug/kg         1.3         0.29         1           Bromoform         ND         ug/kg         1.3         0.29         1           Bromoform         ND         ug/kg         5.1         0.30         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.3         0.28         1           Benzene         ND         ug/kg         1.3         0.25         1           Toluene         0.63         J         ug/kg         1.3         0.25         1           Ethylbenzene         0.68         J         ug/kg         1.3	1,1,2-Trichloroethane	ND		ug/kg	1.9	0.40	1
Trichlorofluoromethane ND ug/kg 6.4 0.53 1  1,2-Dichloroethane ND ug/kg 1.3 0.31 1  1,1,1-Trichloroethane ND ug/kg 1.3 0.45 1  Bromodichloromethane ND ug/kg 1.3 0.39 1  trans-1,3-Dichloropropene ND ug/kg 1.3 0.26 1  Bromoform ND ug/kg 1.3 0.26 1  Bromoform ND ug/kg 1.3 0.29 1  Bromoform ND ug/kg 1.3 0.29 1  Bromoform ND ug/kg 5.1 0.30 1  1,1,2,2-Tetrachloroethane ND ug/kg 1.3 0.38 1  Benzene ND ug/kg 1.3 0.25 1  Toluene 0.63 J ug/kg 1.3 0.25 1  Ethylbenzene 0.68 J ug/kg 1.3 0.22 1  Chloromethane ND ug/kg 6.4 0.56 1  Bromomethane ND ug/kg 6.4 0.56 1  Bromomethane ND ug/kg 2.6 0.43 1  Chloromethane ND ug/kg 2.6 0.40 1  Chloroethane ND ug/kg 2.6 0.40 1  Chloroethane ND ug/kg 1.3 0.47 1  Trichloroethene ND ug/kg 1.3 0.38 1  Trichloroethene ND ug/kg 1.3 0.47 1  Trans-1,2-Dichloroethene ND ug/kg 1.3 0.38 1  Trichloroethene ND ug/kg 1.3 0.38 1	Tetrachloroethene	ND		ug/kg	1.3	0.38	1
1,2-Dichloroethane   ND	Chlorobenzene	ND		ug/kg	1.3	0.44	1
1,1,1-Trichloroethane	Trichlorofluoromethane	ND		ug/kg	6.4	0.53	1
ND	1,2-Dichloroethane	ND		ug/kg	1.3	0.31	1
trans-1,3-Dichloropropene         ND         ug/kg         1.3         0.26         1           cis-1,3-Dichloropropene         ND         ug/kg         1.3         0.29         1           Bromoform         ND         ug/kg         5.1         0.30         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.3         0.38         1           Benzene         ND         ug/kg         1.3         0.25         1           Toluene         0.63         J         ug/kg         1.9         0.25         1           Ethylbenzene         0.68         J         ug/kg         1.3         0.22         1           Chloromethane         ND         ug/kg         6.4         0.56         1           Bromomethane         ND         ug/kg         2.6         0.43         1           Vinyl chloride         ND         ug/kg         2.6         0.40         1           Chloroethane         ND         ug/kg         1.3         0.47         1           1,1-Dichloroethene         ND         ug/kg         1.3         0.47         1           trans-1,2-Dichloroethene         ND         ug/kg         1.3	1,1,1-Trichloroethane	ND		ug/kg	1.3	0.45	1
ND	Bromodichloromethane	ND		ug/kg	1.3	0.39	1
Bromoform         ND         ug/kg         5.1         0.30         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.3         0.38         1           Benzene         ND         ug/kg         1.3         0.25         1           Toluene         0.63         J         ug/kg         1.9         0.25         1           Ethylbenzene         0.68         J         ug/kg         1.3         0.22         1           Chloromethane         ND         ug/kg         6.4         0.56         1           Bromomethane         ND         ug/kg         2.6         0.43         1           Vinyl chloride         ND         ug/kg         2.6         0.40         1           Chloroethane         ND         ug/kg         2.6         0.40         1           1,1-Dichloroethene         ND         ug/kg         1.3         0.47         1           trans-1,2-Dichloroethene         ND         ug/kg         1.3         0.31         1           Trichloroethene         ND         ug/kg         1.3         0.38         1           Type-Dichlorobenzene         ND         ug/kg         6.4         0.23 <td>trans-1,3-Dichloropropene</td> <td>ND</td> <td></td> <td>ug/kg</td> <td>1.3</td> <td>0.26</td> <td>1</td>	trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.26	1
1,1,2,2-Tetrachloroethane         ND         ug/kg         1.3         0.38         1           Benzene         ND         ug/kg         1.3         0.25         1           Toluene         0.63         J         ug/kg         1.9         0.25         1           Ethylbenzene         0.68         J         ug/kg         1.3         0.22         1           Chloromethane         ND         ug/kg         6.4         0.56         1           Bromomethane         ND         ug/kg         2.6         0.43         1           Vinyl chloride         ND         ug/kg         2.6         0.40         1           Chloroethane         ND         ug/kg         2.6         0.40         1           1,1-Dichloroethene         ND         ug/kg         1.3         0.47         1           trans-1,2-Dichloroethene         ND         ug/kg         1.9         0.31         1           Trichloroethene         ND         ug/kg         1.3         0.38         1           1,2-Dichlorobenzene         ND         ug/kg         6.4         0.23         1	cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.29	1
ND	Bromoform	ND		ug/kg	5.1	0.30	1
Toluene         0.63         J         ug/kg         1.9         0.25         1           Ethylbenzene         0.68         J         ug/kg         1.3         0.22         1           Chloromethane         ND         ug/kg         6.4         0.56         1           Bromomethane         ND         ug/kg         2.6         0.43         1           Vinyl chloride         ND         ug/kg         2.6         0.40         1           Chloroethane         ND         ug/kg         2.6         0.40         1           1,1-Dichloroethene         ND         ug/kg         1.3         0.47         1           trans-1,2-Dichloroethene         ND         ug/kg         1.9         0.31         1           Trichloroethene         ND         ug/kg         1.3         0.38         1           1,2-Dichlorobenzene         ND         ug/kg         6.4         0.23         1	1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.38	1
Ethylbenzene         0.68         J         ug/kg         1.3         0.22         1           Chloromethane         ND         ug/kg         6.4         0.56         1           Bromomethane         ND         ug/kg         2.6         0.43         1           Vinyl chloride         ND         ug/kg         2.6         0.40         1           Chloroethane         ND         ug/kg         1.3         0.47         1           1,1-Dichloroethene         ND         ug/kg         1.9         0.31         1           trans-1,2-Dichloroethene         ND         ug/kg         1.3         0.38         1           1,2-Dichlorobenzene         ND         ug/kg         6.4         0.23         1	Benzene	ND		ug/kg	1.3	0.25	1
Chloromethane         ND         ug/kg         6.4         0.56         1           Bromomethane         ND         ug/kg         2.6         0.43         1           Vinyl chloride         ND         ug/kg         2.6         0.40         1           Chloroethane         ND         ug/kg         2.6         0.40         1           1,1-Dichloroethene         ND         ug/kg         1.3         0.47         1           trans-1,2-Dichloroethene         ND         ug/kg         1.9         0.31         1           Trichloroethene         ND         ug/kg         1.3         0.38         1           1,2-Dichlorobenzene         ND         ug/kg         6.4         0.23         1	Toluene	0.63	J	ug/kg	1.9	0.25	1
ND	Ethylbenzene	0.68	J	ug/kg	1.3	0.22	1
Vinyl chloride         ND         ug/kg         2.6         0.40         1           Chloroethane         ND         ug/kg         2.6         0.40         1           1,1-Dichloroethene         ND         ug/kg         1.3         0.47         1           trans-1,2-Dichloroethene         ND         ug/kg         1.9         0.31         1           Trichloroethene         ND         ug/kg         1.3         0.38         1           1,2-Dichlorobenzene         ND         ug/kg         6.4         0.23         1	Chloromethane	ND		ug/kg	6.4	0.56	1
Chloroethane         ND         ug/kg         2.6         0.40         1           1,1-Dichloroethene         ND         ug/kg         1.3         0.47         1           trans-1,2-Dichloroethene         ND         ug/kg         1.9         0.31         1           Trichloroethene         ND         ug/kg         1.3         0.38         1           1,2-Dichlorobenzene         ND         ug/kg         6.4         0.23         1	Bromomethane	ND		ug/kg	2.6	0.43	1
1,1-Dichloroethene       ND       ug/kg       1.3       0.47       1         trans-1,2-Dichloroethene       ND       ug/kg       1.9       0.31       1         Trichloroethene       ND       ug/kg       1.3       0.38       1         1,2-Dichlorobenzene       ND       ug/kg       6.4       0.23       1	Vinyl chloride	ND		ug/kg	2.6	0.40	1
trans-1,2-Dichloroethene         ND         ug/kg         1.9         0.31         1           Trichloroethene         ND         ug/kg         1.3         0.38         1           1,2-Dichlorobenzene         ND         ug/kg         6.4         0.23         1	Chloroethane	ND		ug/kg	2.6	0.40	1
Trichloroethene         ND         ug/kg         1.3         0.38         1           1,2-Dichlorobenzene         ND         ug/kg         6.4         0.23         1	1,1-Dichloroethene	ND		ug/kg	1.3	0.47	1
1,2-Dichlorobenzene ND ug/kg 6.4 0.23 1	trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.31	1
	Trichloroethene	ND		ug/kg	1.3	0.38	1
1,3-Dichlorobenzene ND ug/kg 6.4 0.28 1	1,2-Dichlorobenzene	ND		ug/kg	6.4	0.23	1
	1,3-Dichlorobenzene	ND		ug/kg	6.4	0.28	1



02/09/18

Not Specified

Report Date:

**Project Name:** Lab Number: NYSEG LOCKPORT STATE RD FMR L1746394

**Project Number:** 2161270.031

L1746394-01

**SAMPLE RESULTS** 

Date Collected: 12/15/17 09:40

DRY SCREENINGS\_1 Client ID: Date Received: 12/15/17 Field Prep:

Sample Location: Not Specified

Sample Depth:

Lab ID:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - V	Vestborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.20	1
p/m-Xylene	2.3	J	ug/kg	2.6	0.45	1
o-Xylene	1.0	J	ug/kg	2.6	0.43	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.44	1
Styrene	ND		ug/kg	2.6	0.51	1
Dichlorodifluoromethane	ND		ug/kg	13	0.64	1
Acetone	ND		ug/kg	13	2.9	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.88	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
2-Hexanone	ND		ug/kg	13	0.85	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.25	1
n-Butylbenzene	0.57	J	ug/kg	1.3	0.29	1
sec-Butylbenzene	0.61	J	ug/kg	1.3	0.28	1
tert-Butylbenzene	ND		ug/kg	6.4	0.32	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	0.50	1
Isopropylbenzene	0.46	J	ug/kg	1.3	0.25	1
p-Isopropyltoluene	0.36	J	ug/kg	1.3	0.26	1
Naphthalene	0.98	J	ug/kg	6.4	0.18	1
n-Propylbenzene	0.78	J	ug/kg	1.3	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	0.27	1
1,3,5-Trimethylbenzene	2.7	J	ug/kg	6.4	0.20	1
1,2,4-Trimethylbenzene	3.6	J	ug/kg	6.4	0.24	1
Methyl Acetate	ND		ug/kg	26	0.59	1
Cyclohexane	0.77	J	ug/kg	26	0.55	1
1,4-Dioxane	ND		ug/kg	51	18.	1
Freon-113	ND		ug/kg	26	0.66	1
Methyl cyclohexane	3.3	J	ug/kg	5.1	0.31	1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	110	70-130	
Toluene-d8	108	70-130	
4-Bromofluorobenzene	115	70-130	
Dibromofluoromethane	102	70-130	



L1746394

02/09/18

**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

**SAMPLE RESULTS** 

12/15/17 09:50

Lab Number:

Report Date:

Lab ID: L1746394-02 Date Collected:

Client ID: CRUSHER RUN#2\_1

Sample Location: Not Specified

Sample Depth:

Matrix: Soil Analytical Method: 1,8260C Analytical Date: 12/18/17 09:22

Analyst: JC 95% Percent Solids:

Date Received: 12/15/17 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 -	Westborough Lab					
Methylene chloride	ND		ug/kg	9.3	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.25	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.32	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.93	0.28	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.39	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.32	1
Bromodichloromethane	ND		ug/kg	0.93	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.21	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.28	1
Benzene	ND		ug/kg	0.93	0.18	1
Toluene	0.31	J	ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.93	0.16	1
Chloromethane	ND		ug/kg	4.6	0.40	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.29	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1
Trichloroethene	ND		ug/kg	0.93	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.20	1



12/15/17 09:50

Date Collected:

**Project Name:** Lab Number: NYSEG LOCKPORT STATE RD FMR L1746394

**Project Number:** Report Date: 2161270.031 02/09/18

**SAMPLE RESULTS** 

Lab ID: L1746394-02

Client ID: Date Received: 12/15/17 CRUSHER RUN#2\_1 Field Prep: Not Specified

Sample Location: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - W	estborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.14	1
p/m-Xylene	ND		ug/kg	1.8	0.32	1
o-Xylene	ND		ug/kg	1.8	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.32	1
Styrene	ND		ug/kg	1.8	0.37	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.46	1
Acetone	ND		ug/kg	9.3	2.1	1
Carbon disulfide	ND		ug/kg	9.3	1.0	1
2-Butanone	ND		ug/kg	9.3	0.64	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
2-Hexanone	ND		ug/kg	9.3	0.62	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.18	1
n-Butylbenzene	ND		ug/kg	0.93	0.21	1
sec-Butylbenzene	ND		ug/kg	0.93	0.20	1
tert-Butylbenzene	ND		ug/kg	4.6	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.37	1
Isopropylbenzene	ND		ug/kg	0.93	0.18	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.19	1
Naphthalene	0.18	J	ug/kg	4.6	0.13	1
n-Propylbenzene	ND		ug/kg	0.93	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.17	1
Methyl Acetate	ND		ug/kg	18	0.43	1
Cyclohexane	ND		ug/kg	18	0.40	1
1,4-Dioxane	ND		ug/kg	37	13.	1
Freon-113	ND		ug/kg	18	0.48	1
Methyl cyclohexane	0.78	J	ug/kg	3.7	0.22	1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	107	70-130	
Toluene-d8	113	70-130	
4-Bromofluorobenzene	122	70-130	
Dibromofluoromethane	99	70-130	



**Project Number:** 2161270.031 **Report Date:** 02/09/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C Analytical Date: 12/18/17 08:27

Analyst: CBN

Wolatile Organics by 8260/5035 - Westborough Lab for sample(s):         01-02         Batch:         WG1074244-5           Methylene chloride         ND         ug/kg         10         1.6           1,1-Dichloroethane         ND         ug/kg         1.5         0.27           Chloroform         ND         ug/kg         1.0         0.34           1,2-Dichloropropane         ND         ug/kg         1.0         0.34           1,2-Dichloropropane         ND         ug/kg         1.0         0.18           Dibromochloromethane         ND         ug/kg         1.0         0.18           1,1,2-Trichloroethane         ND         ug/kg         1.5         0.31           Tetrachloroethane         ND         ug/kg         1.0         0.36           Trichlorofluoromethane         ND         ug/kg         1.0         0.35           Trichloroethane         ND         ug/kg         1.0         0.25           1,1,1-Trichloroethane         ND         ug/kg         1.0         0.35           Bromodichloromethane         ND         ug/kg         1.0         0.21           trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.21           eis-1	Parameter	Result	Qualifier	Units	RL	-	MDL
1,1-Dichloroethane	Volatile Organics by 8260/5035	- Westborough	Lab for sa	mple(s):	01-02	Batch:	WG1074244-5
Chloroform         ND         ug/kg         1.5         0.37           Carbon tetrachloride         ND         ug/kg         1.0         0.34           1,2-Dichloropropane         ND         ug/kg         3.5         0.23           Dibromochloromethane         ND         ug/kg         1.0         0.18           1,1,2-Trichloroethane         ND         ug/kg         1.5         0.31           Tetrachloroethane         ND         ug/kg         1.0         0.30           Chlorobenzene         ND         ug/kg         1.0         0.35           Trichlorofluromethane         ND         ug/kg         5.0         0.42           1,2-Dichloroethane         ND         ug/kg         1.0         0.25           1,1,1-Trichloroethane         ND         ug/kg         1.0         0.35           Bromodichloromethane         ND         ug/kg         1.0         0.31           trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.21           cis-1,3-Dichloropropene         ND         ug/kg         1.0         0.23           Bromoform         ND         ug/kg         1.0         0.24           1,1,2-Z-Tetrachloroethane         N	Methylene chloride	ND		ug/kg	10	ı	1.6
Carbon tetrachloride         ND         ug/kg         1.0         0.34           1,2-Dichloropropane         ND         ug/kg         3.5         0.23           Dibromochloromethane         ND         ug/kg         1.0         0.18           1,1,2-Trichloroethane         ND         ug/kg         1.5         0.31           Tetrachloroethane         ND         ug/kg         1.0         0.30           Chlorobenzene         ND         ug/kg         1.0         0.35           Trichlorofluoromethane         ND         ug/kg         5.0         0.42           1,2-Dichloroethane         ND         ug/kg         1.0         0.25           1,1,1-Trichloroethane         ND         ug/kg         1.0         0.35           Bromodichloromethane         ND         ug/kg         1.0         0.31           trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.21           cis-1,3-Dichloropropene         ND         ug/kg         1.0         0.23           Bromoform         ND         ug/kg         4.0         0.24           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.0         0.30           Benzene         ND<	1,1-Dichloroethane	ND		ug/kg	1.5	5	0.27
1,2-Dichloropropane   ND	Chloroform	ND		ug/kg	1.5	5	0.37
Dibromochloromethane         ND         ug/kg         1.0         0.18           1,1,2-Trichloroethane         ND         ug/kg         1.5         0.31           Tetrachloroethene         ND         ug/kg         1.0         0.30           Chlorobenzene         ND         ug/kg         1.0         0.35           Trichlorofluoromethane         ND         ug/kg         5.0         0.42           1,2-Dichloroethane         ND         ug/kg         1.0         0.25           1,1,1-Trichloroethane         ND         ug/kg         1.0         0.35           Bromodichloromethane         ND         ug/kg         1.0         0.31           trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.21           cis-1,3-Dichloropropene         ND         ug/kg         1.0         0.23           Bromoform         ND         ug/kg         1.0         0.24           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.0         0.30           Benzene         ND         ug/kg         1.0         0.17           Toluene         ND         ug/kg         1.0         0.17           Chloroethane         ND         ug/	Carbon tetrachloride	ND		ug/kg	1.0	)	0.34
1,1,2-Trichloroethane	1,2-Dichloropropane	ND		ug/kg	3.5	5	0.23
Tetrachloroethene         ND         ug/kg         1.0         0.30           Chlorobenzene         ND         ug/kg         1.0         0.35           Trichloroffuoromethane         ND         ug/kg         5.0         0.42           1,2-Dichloroethane         ND         ug/kg         1.0         0.25           1,1,1-Trichloroethane         ND         ug/kg         1.0         0.35           Bromodichloromethane         ND         ug/kg         1.0         0.31           trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.21           cis-1,3-Dichloropropene         ND         ug/kg         1.0         0.23           Bromoform         ND         ug/kg         4.0         0.24           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.0         0.30           Benzene         ND         ug/kg         1.0         0.19           Toluene         ND         ug/kg         1.0         0.17           Chloromethane         ND         ug/kg         5.0         0.44           Bromomethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg	Dibromochloromethane	ND		ug/kg	1.0	)	0.18
Chlorobenzene         ND         ug/kg         1.0         0.35           Trichlorofluoromethane         ND         ug/kg         5.0         0.42           1,2-Dichloroethane         ND         ug/kg         1.0         0.25           1,1,1-Trichloroethane         ND         ug/kg         1.0         0.35           Bromodichloromethane         ND         ug/kg         1.0         0.31           trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.21           cis-1,3-Dichloropropene         ND         ug/kg         1.0         0.23           Bromoform         ND         ug/kg         1.0         0.23           Bromoform         ND         ug/kg         1.0         0.23           Bromoform         ND         ug/kg         1.0         0.30           Benzene         ND         ug/kg         1.0         0.19           Toluene         ND         ug/kg         1.5         0.20           Ethylbenzene         ND         ug/kg         1.0         0.17           Chloroethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg         2.0 <t< td=""><td>1,1,2-Trichloroethane</td><td>ND</td><td></td><td>ug/kg</td><td>1.5</td><td>5</td><td>0.31</td></t<>	1,1,2-Trichloroethane	ND		ug/kg	1.5	5	0.31
Trichlorofluoromethane         ND         ug/kg         5.0         0.42           1,2-Dichloroethane         ND         ug/kg         1.0         0.25           1,1,1-Trichloroethane         ND         ug/kg         1.0         0.35           Bromodichloromethane         ND         ug/kg         1.0         0.31           trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.21           cis-1,3-Dichloropropene         ND         ug/kg         4.0         0.23           Bromoform         ND         ug/kg         4.0         0.24           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.0         0.30           Benzene         ND         ug/kg         1.0         0.19           Toluene         ND         ug/kg         1.5         0.20           Ethylbenzene         ND         ug/kg         1.0         0.17           Chloroethane         ND         ug/kg         5.0         0.44           Bromomethane         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         2.0         0.32           Chloroethene         ND         ug/kg         1.0	Tetrachloroethene	ND		ug/kg	1.0	)	0.30
1,2-Dichloroethane         ND         ug/kg         1.0         0.25           1,1,1-Trichloroethane         ND         ug/kg         1.0         0.35           Bromodichloromethane         ND         ug/kg         1.0         0.31           trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.21           cis-1,3-Dichloropropene         ND         ug/kg         1.0         0.23           Bromoform         ND         ug/kg         4.0         0.24           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.0         0.30           Benzene         ND         ug/kg         1.0         0.19           Toluene         ND         ug/kg         1.5         0.20           Ethylbenzene         ND         ug/kg         1.0         0.17           Chloromethane         ND         ug/kg         5.0         0.44           Bromomethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg <t< td=""><td>Chlorobenzene</td><td>ND</td><td></td><td>ug/kg</td><td>1.0</td><td>)</td><td>0.35</td></t<>	Chlorobenzene	ND		ug/kg	1.0	)	0.35
1,1,1-Trichloroethane         ND         ug/kg         1.0         0.35           Bromodichloromethane         ND         ug/kg         1.0         0.31           trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.21           cis-1,3-Dichloropropene         ND         ug/kg         1.0         0.23           Bromoform         ND         ug/kg         4.0         0.24           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.0         0.30           Benzene         ND         ug/kg         1.0         0.19           Toluene         ND         ug/kg         1.5         0.20           Ethylbenzene         ND         ug/kg         1.0         0.17           Chloromethane         ND         ug/kg         5.0         0.44           Bromomethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         1	Trichlorofluoromethane	ND		ug/kg	5.0	)	0.42
Bromodichloromethane         ND         ug/kg         1.0         0.31           trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.21           cis-1,3-Dichloropropene         ND         ug/kg         1.0         0.23           Bromoform         ND         ug/kg         4.0         0.24           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.0         0.30           Benzene         ND         ug/kg         1.0         0.19           Toluene         ND         ug/kg         1.5         0.20           Ethylbenzene         ND         ug/kg         1.0         0.17           Chloroethane         ND         ug/kg         5.0         0.44           Bromomethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         2.0         0.32           1,1-Dichloroethene         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         5.0 </td <td>1,2-Dichloroethane</td> <td>ND</td> <td></td> <td>ug/kg</td> <td>1.0</td> <td>)</td> <td>0.25</td>	1,2-Dichloroethane	ND		ug/kg	1.0	)	0.25
trans-1,3-Dichloropropene         ND         ug/kg         1.0         0.21           cis-1,3-Dichloropropene         ND         ug/kg         1.0         0.23           Bromoform         ND         ug/kg         4.0         0.24           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.0         0.30           Benzene         ND         ug/kg         1.0         0.19           Toluene         ND         ug/kg         1.5         0.20           Ethylbenzene         ND         ug/kg         1.0         0.17           Chloroethane         ND         ug/kg         5.0         0.44           Bromomethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         2.0         0.32           1,1-Dichloroethene         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         5.0         0.18	1,1,1-Trichloroethane	ND		ug/kg	1.0	)	0.35
Cis-1,3-Dichloropropene         ND         ug/kg         1.0         0.23           Bromoform         ND         ug/kg         4.0         0.24           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.0         0.30           Benzene         ND         ug/kg         1.0         0.19           Toluene         ND         ug/kg         1.5         0.20           Ethylbenzene         ND         ug/kg         1.0         0.17           Chloromethane         ND         ug/kg         5.0         0.44           Bromomethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         1.0         0.30           1,2-Dichlorobenzene         ND         ug/kg         5.0         0.18	Bromodichloromethane	ND		ug/kg	1.0	)	0.31
Bromoform         ND         ug/kg         4.0         0.24           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.0         0.30           Benzene         ND         ug/kg         1.0         0.19           Toluene         ND         ug/kg         1.5         0.20           Ethylbenzene         ND         ug/kg         1.0         0.17           Chloromethane         ND         ug/kg         5.0         0.44           Bromomethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         2.0         0.32           1,1-Dichloroethene         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         1.0         0.30           1,2-Dichlorobenzene         ND         ug/kg         5.0         0.18	trans-1,3-Dichloropropene	ND		ug/kg	1.0	)	0.21
1,1,2,2-Tetrachloroethane         ND         ug/kg         1.0         0.30           Benzene         ND         ug/kg         1.0         0.19           Toluene         ND         ug/kg         1.5         0.20           Ethylbenzene         ND         ug/kg         1.0         0.17           Chloromethane         ND         ug/kg         5.0         0.44           Bromomethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         2.0         0.32           1,1-Dichloroethene         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         1.0         0.30           1,2-Dichlorobenzene         ND         ug/kg         5.0         0.18	cis-1,3-Dichloropropene	ND		ug/kg	1.0	)	0.23
Benzene         ND         ug/kg         1.0         0.19           Toluene         ND         ug/kg         1.5         0.20           Ethylbenzene         ND         ug/kg         1.0         0.17           Chloromethane         ND         ug/kg         5.0         0.44           Bromomethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         2.0         0.32           1,1-Dichloroethene         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         1.0         0.30           1,2-Dichlorobenzene         ND         ug/kg         5.0         0.18	Bromoform	ND		ug/kg	4.0	)	0.24
Toluene         ND         ug/kg         1.5         0.20           Ethylbenzene         ND         ug/kg         1.0         0.17           Chloromethane         ND         ug/kg         5.0         0.44           Bromomethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         2.0         0.32           1,1-Dichloroethene         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         1.0         0.30           1,2-Dichlorobenzene         ND         ug/kg         5.0         0.18	1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	)	0.30
Ethylbenzene         ND         ug/kg         1.0         0.17           Chloromethane         ND         ug/kg         5.0         0.44           Bromomethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         2.0         0.32           1,1-Dichloroethene         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         1.0         0.30           1,2-Dichlorobenzene         ND         ug/kg         5.0         0.18	Benzene	ND		ug/kg	1.0	)	0.19
Chloromethane         ND         ug/kg         5.0         0.44           Bromomethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         2.0         0.32           1,1-Dichloroethene         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         1.0         0.30           1,2-Dichlorobenzene         ND         ug/kg         5.0         0.18	Toluene	ND		ug/kg	1.5	5	0.20
Bromomethane         ND         ug/kg         2.0         0.34           Vinyl chloride         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         2.0         0.32           1,1-Dichloroethene         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         1.0         0.30           1,2-Dichlorobenzene         ND         ug/kg         5.0         0.18	Ethylbenzene	ND		ug/kg	1.0	)	0.17
Vinyl chloride         ND         ug/kg         2.0         0.32           Chloroethane         ND         ug/kg         2.0         0.32           1,1-Dichloroethene         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         1.0         0.30           1,2-Dichlorobenzene         ND         ug/kg         5.0         0.18	Chloromethane	ND		ug/kg	5.0	)	0.44
Chloroethane         ND         ug/kg         2.0         0.32           1,1-Dichloroethene         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         1.0         0.30           1,2-Dichlorobenzene         ND         ug/kg         5.0         0.18	Bromomethane	ND		ug/kg	2.0	)	0.34
1,1-Dichloroethene         ND         ug/kg         1.0         0.37           trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         1.0         0.30           1,2-Dichlorobenzene         ND         ug/kg         5.0         0.18	Vinyl chloride	ND		ug/kg	2.0	)	0.32
trans-1,2-Dichloroethene         ND         ug/kg         1.5         0.24           Trichloroethene         ND         ug/kg         1.0         0.30           1,2-Dichlorobenzene         ND         ug/kg         5.0         0.18	Chloroethane	ND		ug/kg	2.0	)	0.32
Trichloroethene         ND         ug/kg         1.0         0.30           1,2-Dichlorobenzene         ND         ug/kg         5.0         0.18	1,1-Dichloroethene	ND		ug/kg	1.0	)	0.37
1,2-Dichlorobenzene ND ug/kg 5.0 0.18	trans-1,2-Dichloroethene	ND		ug/kg	1.5	5	0.24
	Trichloroethene	ND		ug/kg	1.0	)	0.30
1,3-Dichlorobenzene ND ug/kg 5.0 0.22	1,2-Dichlorobenzene	ND		ug/kg	5.0	)	0.18
	1,3-Dichlorobenzene	ND		ug/kg	5.0	)	0.22



**Project Number:** 2161270.031 **Report Date:** 02/09/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C Analytical Date: 12/18/17 08:27

Analyst: CBN

Parameter	Result	Qualifier	Units	RL	ı	MDL	
olatile Organics by 8260/5035 -	Westborough	Lab for sar	mple(s):	01-02	Batch:	WG1074244-5	
1,4-Dichlorobenzene	ND		ug/kg	5.0		0.18	
Methyl tert butyl ether	ND		ug/kg	2.0	1	0.15	
p/m-Xylene	ND		ug/kg	2.0		0.35	
o-Xylene	ND		ug/kg	2.0		0.34	
cis-1,2-Dichloroethene	ND		ug/kg	1.0		0.34	
Styrene	ND		ug/kg	2.0		0.40	
Dichlorodifluoromethane	ND		ug/kg	10		0.50	
Acetone	ND		ug/kg	10		2.3	
Carbon disulfide	ND		ug/kg	10		1.1	
2-Butanone	ND		ug/kg	10		0.69	
4-Methyl-2-pentanone	ND		ug/kg	10		0.24	
2-Hexanone	ND		ug/kg	10		0.67	
1,2-Dibromoethane	ND		ug/kg	4.0	l	0.20	
n-Butylbenzene	ND		ug/kg	1.0		0.23	
sec-Butylbenzene	ND		ug/kg	1.0		0.22	
tert-Butylbenzene	ND		ug/kg	5.0		0.25	
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0		0.40	
Isopropylbenzene	ND		ug/kg	1.0		0.19	
p-Isopropyltoluene	ND		ug/kg	1.0		0.20	
Naphthalene	ND		ug/kg	5.0		0.14	
n-Propylbenzene	ND		ug/kg	1.0		0.22	
1,2,4-Trichlorobenzene	ND		ug/kg	5.0		0.22	
1,3,5-Trimethylbenzene	ND		ug/kg	5.0		0.16	
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	1	0.19	
Methyl Acetate	ND		ug/kg	20		0.46	
Cyclohexane	ND		ug/kg	20		0.43	
1,4-Dioxane	ND		ug/kg	40		14.	
Freon-113	ND		ug/kg	20		0.51	
Methyl cyclohexane	ND		ug/kg	4.0	ı	0.24	



**Project Number:** 2161270.031 **Report Date:** 02/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C Analytical Date: 12/18/17 08:27

Analyst: CBN

 Parameter
 Result
 Qualifier
 Units
 RL
 MDL

 Volatile Organics by 8260/5035 - Westborough Lab for sample(s):
 01-02
 Batch:
 WG1074244-5

**Tentatively Identified Compounds** 

No Tentatively Identified Compounds ND ug/kg

**Acceptance** Qualifier Criteria **Surrogate** %Recovery 1,2-Dichloroethane-d4 70-130 110 Toluene-d8 106 70-130 4-Bromofluorobenzene 107 70-130 Dibromofluoromethane 101 70-130



**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number: L1746394

Parameter	LCS %Recovery	Qual	LCSD %Recovery	%Recovery Qual Limits	RPD	RPD Qual Limits
Volatile Organics by 8260/5035 - Westboroug	gh Lab Associa	ted sample(s):	01-02 Batch:	WG1074244-3 WG1074244	-4	
Methylene chloride	95		95	70-130	0	30
1,1-Dichloroethane	108		106	70-130	2	30
Chloroform	96		95	70-130	1	30
Carbon tetrachloride	94		94	70-130	0	30
1,2-Dichloropropane	108		107	70-130	1	30
Dibromochloromethane	86		86	70-130	0	30
1,1,2-Trichloroethane	98		100	70-130	2	30
Tetrachloroethene	90		87	70-130	3	30
Chlorobenzene	95		94	70-130	1	30
Trichlorofluoromethane	106		103	70-139	3	30
1,2-Dichloroethane	98		96	70-130	2	30
1,1,1-Trichloroethane	99		97	70-130	2	30
Bromodichloromethane	98		100	70-130	2	30
trans-1,3-Dichloropropene	98		98	70-130	0	30
cis-1,3-Dichloropropene	99		99	70-130	0	30
Bromoform	85		88	70-130	3	30
1,1,2,2-Tetrachloroethane	102		103	70-130	1	30
Benzene	102		99	70-130	3	30
Toluene	101		99	70-130	2	30
Ethylbenzene	102		99	70-130	3	30
Chloromethane	124		118	52-130	5	30
Bromomethane	96		95	57-147	1	30
Vinyl chloride	131	Q	124	67-130	5	30



**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number: L1746394

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s):         01-02 Batch:         WG1074244-3 WG1074244-4           Chloroethane         118         109         50-151         8         30           1,1-Dichloroethene         102         99         65-135         3         30           trans-1,2-Dichloroethene         96         94         70-130         2         30           Trichloroethene         97         94         70-130         3         30           1,2-Dichlorobenzene         88         88         70-130         0         30           1,3-Dichlorobenzene         89         90         70-130         1         30           1,4-Dichlorobenzene         90         89         70-130         1         30           Methyl tert butyl ether         90         90         66-130         0         30           pim-Xylene         94         92         70-130         1         30           cis-1,2-Dichloroethene         92         91         70-130         1         30           Slyrene         91         89         70-130         1         30           Dichloroethene         92         91         70-130         1 <td< th=""><th>Parameter</th><th>LCS %Recovery</th><th>Qual</th><th>LCS %Reco</th><th></th><th>Qual</th><th>%Recovery Limits</th><th>RPD</th><th>Qual</th><th>RPD Limits</th><th></th></td<>	Parameter	LCS %Recovery	Qual	LCS %Reco		Qual	%Recovery Limits	RPD	Qual	RPD Limits	
1,1-Dichloroethene         102         99         65-135         3         30           trans-1,2-Dichloroethene         96         94         70-130         2         30           Trichloroethene         97         94         70-130         3         30           1,2-Dichlorobenzene         88         88         70-130         0         30           1,3-Dichlorobenzene         89         90         70-130         1         30           Methyl tert buryl ether         90         89         70-130         1         30           Methyl tert buryl ether         90         90         66-130         0         30           p/m-Xylene         94         92         91         70-130         2         30           o-Xylene         92         91         70-130         1         30         30           o-Xylene         92         91         70-130         1         30         30           Styrene         91         89         70-130         1         30         30           Styrene         91         89         70-130         2         30         30           Carbon disulfide         104         101 <td>olatile Organics by 8260/5035 - Westboroug</td> <td>gh Lab Associa</td> <td>ted sample(s):</td> <td>01-02</td> <td>Batch:</td> <td>WG107424</td> <td>4-3 WG107424</td> <td>4-4</td> <td></td> <td></td> <td></td>	olatile Organics by 8260/5035 - Westboroug	gh Lab Associa	ted sample(s):	01-02	Batch:	WG107424	4-3 WG107424	4-4			
trans-1,2-Dichloroethene         96         94         70-130         2         30           Trichloroethene         97         94         70-130         3         30           1,2-Dichlorobenzene         88         88         70-130         0         30           1,3-Dichlorobenzene         89         90         70-130         1         30           1,4-Dichlorobenzene         90         89         70-130         1         30           Methyl tert butyl ether         90         90         66-130         0         30           p/m-Xylene         94         92         70-130         2         30           o-Xylene         92         91         70-130         1         30           cis-1,2-Dichloroethene         92         91         70-130         1         30           Styrene         91         89         70-130         1         30           Styrene         91         89         70-130         2         30           Dichlorodifluoromethane         94         91         30-146         3         30           Acetone         104         101         54-140         3         30 <t< td=""><td>Chloroethane</td><td>118</td><td></td><td>109</td><td></td><td></td><td>50-151</td><td>8</td><td></td><td>30</td><td></td></t<>	Chloroethane	118		109			50-151	8		30	
Trichloroethene         97         94         70-130         3         30           1,2-Dichlorobenzene         88         88         70-130         0         30           1,3-Dichlorobenzene         89         90         70-130         1         30           1,4-Dichlorobenzene         90         89         70-130         1         30           Methyl tert butyl ether         90         90         66-130         0         30           p/m-Xylene         94         92         70-130         1         30           o-Xylene         92         91         70-130         1         30           o-Xylene         92         91         70-130         1         30           Styrene         92         91         70-130         1         30           Styrene         91         89         70-130         1         30           Dichlorodifluoromethane         94         91         30-146         3         30           Acetone         104         101         54-140         3         30           Carbon disulfide         108         104         59-130         4         30           2-Butanone	1,1-Dichloroethene	102		99			65-135	3		30	
1,2-Dichlorobenzene       88       88       70-130       0       30         1,3-Dichlorobenzene       89       90       70-130       1       30         1,4-Dichlorobenzene       90       89       70-130       1       30         Methyl tert butyl ether       90       90       66-130       0       30         p/m-Xylene       94       92       70-130       2       30         o-Xylene       92       91       70-130       1       30         Gis-1,2-Dichloroethene       92       91       70-130       1       30         Styrene       91       89       70-130       2       30         Dichlorodifluoromethane       94       91       30-146       3       30         Acatone       104       101       54-140       3       30         Carbon disulfide       108       104       59-130       4       30         2-Butanone       105       100       70-130       5       30         4-Methyl-2-pentanone       100       104       70-130       4       30         2-Hexanone       90       91       70-130       1       30         1,	trans-1,2-Dichloroethene	96		94			70-130	2		30	
1,3-Dichlorobenzene       89       90       70-130       1       30         1,4-Dichlorobenzene       90       89       70-130       1       30         Methyl tert butyl ether       90       90       66-130       0       30         p/m-Xylene       94       92       70-130       2       30         o-Xylene       92       91       70-130       1       30         cis-1,2-Dichloroethene       92       91       70-130       1       30         Styrene       91       89       70-130       2       30         Dichlorodifluoromethane       94       91       30-146       3       30         Acetone       104       101       54-140       3       30         Carbon disulfide       108       104       59-130       4       30         2-Butanone       105       100       70-130       5       30         4-Methyl-2-pentanone       100       104       70-130       4       30         2-Hexanone       90       91       70-130       1       30         1,2-Dibromoethane       90       91       70-130       1       30         n-Bu	Trichloroethene	97		94			70-130	3		30	
1,4-Dichlorobenzene       90       89       70-130       1       30         Methyl tert butyl ether       90       90       66-130       0       30         p/m-Xylene       94       92       70-130       2       30         o-Xylene       92       91       70-130       1       30         cis-1,2-Dichloroethene       92       91       70-130       1       30         Styrene       91       89       70-130       2       30         Dichlorodifluoromethane       94       91       30-146       3       30         Acetone       104       101       54-140       3       30         Carbon disulfide       108       104       59-130       4       30         2-Butanone       105       100       70-130       5       30         4-Methyl-2-pentanone       100       104       70-130       4       30         2-Hexanone       90       91       70-130       1       30         1,2-Dibromoethane       90       91       70-130       1       30         n-Butylbenzene       106       104       70-130       1       30         sec-But	1,2-Dichlorobenzene	88		88			70-130	0		30	
Methyl tert butyl ether         90         90         66-130         0         30           p/m-Xylene         94         92         70-130         2         30           o-Xylene         92         91         70-130         1         30           cis-1,2-Dichloroethene         92         91         70-130         1         30           Styrene         91         89         70-130         2         30           Dichlorodifluoromethane         94         91         30-146         3         30           Acetone         104         101         54-140         3         30           Carbon disulfide         108         104         59-130         4         30           2-Butanone         105         100         70-130         5         30           4-Methyl-2-pentanone         100         104         70-130         4         30           2-Hexanone         90         91         70-130         1         30           1,2-Dibromoethane         90         91         70-130         1         30           n-Butylbenzene         106         104         70-130         1         30           sec-Bu	1,3-Dichlorobenzene	89		90			70-130	1		30	
p/m-Xylene         94         92         70-130         2         30           o-Xylene         92         91         70-130         1         30           cis-1,2-Dichloroethene         92         91         70-130         1         30           Styrene         91         89         70-130         2         30           Dichlorodifluoromethane         94         91         30-146         3         30           Acetone         104         101         54-140         3         30           Carbon disulfide         108         104         59-130         4         30           2-Butanone         105         100         70-130         5         30           4-Methyl-2-pentanone         100         104         70-130         4         30           2-Hexanone         90         91         70-130         1         30           1,2-Dibromoethane         90         91         70-130         1         30           n-Butylbenzene         106         104         70-130         1         30           sec-Butylbenzene         103         102         70-130         1         30           tert-Butylb	1,4-Dichlorobenzene	90		89			70-130	1		30	
o-Xylene         92         91         70-130         1         30           cis-1,2-Dichloroethene         92         91         70-130         1         30           Styrene         91         89         70-130         2         30           Dichlorodiffuoromethane         94         91         30-146         3         30           Acetone         104         101         54-140         3         30           Carbon disulfide         108         104         59-130         4         30           2-Butanone         105         100         70-130         5         30           4-Methyl-2-pentanone         100         104         70-130         4         30           2-Hexanone         90         91         70-130         1         30           1,2-Dibromoethane         90         91         70-130         1         30           n-Butylbenzene         106         104         70-130         1         30           sec-Butylbenzene         103         102         70-130         1         30           tert-Butylbenzene         96         95         70-130         1         30	Methyl tert butyl ether	90		90			66-130	0		30	
cis-1,2-Dichloroethene       92       91       70-130       1       30         Styrene       91       89       70-130       2       30         Dichlorodiffluoromethane       94       91       30-146       3       30         Acetone       104       101       54-140       3       30         Carbon disulfide       108       104       59-130       4       30         2-Butanone       105       100       70-130       5       30         4-Methyl-2-pentanone       100       104       70-130       4       30         2-Hexanone       90       91       70-130       1       30         1,2-Dibromoethane       90       91       70-130       1       30         n-Butylbenzene       106       104       70-130       2       30         sec-Butylbenzene       103       102       70-130       1       30         tert-Butylbenzene       96       95       70-130       1       30	p/m-Xylene	94		92			70-130	2		30	
Styrene         91         89         70-130         2         30           Dichlorodifluoromethane         94         91         30-146         3         30           Acetone         104         101         54-140         3         30           Carbon disulfide         108         104         59-130         4         30           2-Butanone         105         100         70-130         5         30           4-Methyl-2-pentanone         100         104         70-130         4         30           2-Hexanone         90         91         70-130         1         30           1,2-Dibromoethane         90         91         70-130         1         30           n-Butylbenzene         106         104         70-130         2         30           sec-Butylbenzene         103         102         70-130         1         30           tert-Butylbenzene         96         95         70-130         1         30	o-Xylene	92		91			70-130	1		30	
Dichlorodifluoromethane       94       91       30-146       3       30         Acetone       104       101       54-140       3       30         Carbon disulfide       108       104       59-130       4       30         2-Butanone       105       100       70-130       5       30         4-Methyl-2-pentanone       100       104       70-130       4       30         2-Hexanone       90       91       70-130       1       30         1,2-Dibromoethane       90       91       70-130       1       30         n-Butylbenzene       106       104       70-130       2       30         sec-Butylbenzene       103       102       70-130       1       30         tert-Butylbenzene       96       95       70-130       1       30	cis-1,2-Dichloroethene	92		91			70-130	1		30	
Acetone       104       101       54-140       3       30         Carbon disulfide       108       104       59-130       4       30         2-Butanone       105       100       70-130       5       30         4-Methyl-2-pentanone       100       104       70-130       4       30         2-Hexanone       90       91       70-130       1       30         1,2-Dibromoethane       90       91       70-130       1       30         n-Butylbenzene       106       104       70-130       2       30         sec-Butylbenzene       103       102       70-130       1       30         tert-Butylbenzene       96       95       70-130       1       30	Styrene	91		89			70-130	2		30	
Carbon disulfide       108       104       59-130       4       30         2-Butanone       105       100       70-130       5       30         4-Methyl-2-pentanone       100       104       70-130       4       30         2-Hexanone       90       91       70-130       1       30         1,2-Dibromoethane       90       91       70-130       1       30         n-Butylbenzene       106       104       70-130       2       30         sec-Butylbenzene       103       102       70-130       1       30         tert-Butylbenzene       96       95       70-130       1       30	Dichlorodifluoromethane	94		91			30-146	3		30	
2-Butanone       105       100       70-130       5       30         4-Methyl-2-pentanone       100       104       70-130       4       30         2-Hexanone       90       91       70-130       1       30         1,2-Dibromoethane       90       91       70-130       1       30         n-Butylbenzene       106       104       70-130       2       30         sec-Butylbenzene       103       102       70-130       1       30         tert-Butylbenzene       96       95       70-130       1       30	Acetone	104		101			54-140	3		30	
4-Methyl-2-pentanone       100       104       70-130       4       30         2-Hexanone       90       91       70-130       1       30         1,2-Dibromoethane       90       91       70-130       1       30         n-Butylbenzene       106       104       70-130       2       30         sec-Butylbenzene       103       102       70-130       1       30         tert-Butylbenzene       96       95       70-130       1       30	Carbon disulfide	108		104			59-130	4		30	
2-Hexanone     90     91     70-130     1     30       1,2-Dibromoethane     90     91     70-130     1     30       n-Butylbenzene     106     104     70-130     2     30       sec-Butylbenzene     103     102     70-130     1     30       tert-Butylbenzene     96     95     70-130     1     30	2-Butanone	105		100			70-130	5		30	
1,2-Dibromoethane       90       91       70-130       1       30         n-Butylbenzene       106       104       70-130       2       30         sec-Butylbenzene       103       102       70-130       1       30         tert-Butylbenzene       96       95       70-130       1       30	4-Methyl-2-pentanone	100		104			70-130	4		30	
n-Butylbenzene     106     104     70-130     2     30       sec-Butylbenzene     103     102     70-130     1     30       tert-Butylbenzene     96     95     70-130     1     30	2-Hexanone	90		91			70-130	1		30	
sec-Butylbenzene         103         102         70-130         1         30           tert-Butylbenzene         96         95         70-130         1         30	1,2-Dibromoethane	90		91			70-130	1		30	
tert-Butylbenzene 96 95 70-130 1 30	n-Butylbenzene	106		104			70-130	2		30	
	sec-Butylbenzene	103		102			70-130	1		30	
1,2-Dibromo-3-chloropropane 84 85 68-130 1 30	tert-Butylbenzene	96		95			70-130	1		30	
,= =	1,2-Dibromo-3-chloropropane	84		85			68-130	1		30	



**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number: L1746394

arameter	LCS %Recovery	Qual	LCS %Reco		Qual	%Recovery Limits	RPD	Qual	RPD Limits	
platile Organics by 8260/5035 - Westboroug	h Lab Associa	ted sample(s):	01-02	Batch:	WG10742	244-3 WG107424	1-4			
Isopropylbenzene	100		98	1		70-130	2		30	
p-Isopropyltoluene	97		96	96		70-130	1		30	
Naphthalene	79		84			70-130	6		30	
n-Propylbenzene	106		104	4		70-130	2		30	
1,2,4-Trichlorobenzene	80		83			70-130	4		30	
1,3,5-Trimethylbenzene	99		98			70-130	1		30	
1,2,4-Trimethylbenzene	99		98			70-130	1		30	
Methyl Acetate	107		110	0		51-146	3		30	
Cyclohexane	125		12:	2		59-142	2		30	
1,4-Dioxane	87		82			65-136	6		30	
Freon-113	105		10	1		50-139	4		30	
Methyl cyclohexane	109		100	6		70-130	3		30	

	LCS	LCSD	Acceptance
Surrogate	%Recovery Qua	nl %Recovery Qual	Criteria
1,2-Dichloroethane-d4	110	108	70-130
Toluene-d8	107	108	70-130
4-Bromofluorobenzene	106	106	70-130
Dibromofluoromethane	100	99	70-130

### **SEMIVOLATILES**



L1746394

02/09/18

**Project Name:** NYSEG LOCKPORT STATE RD FMR

L1746394-01

DRY SCREENINGS\_1

**Project Number:** 2161270.031

**SAMPLE RESULTS** 

Date Collected: 12/15/17 09:40

Lab Number:

Report Date:

Date Received: 12/15/17

Field Prep: Not Specified

Extraction Date: 12/16/17 05:06

Extraction Method: EPA 3546

Sample Location: Not Specified

Sample Depth:

Lab ID:

Client ID:

Matrix: Soil Analytical Method: 1,8270D

Analytical Date: 12/19/17 02:12

Analyst: ΕK 96% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor					
Semivolatile Organics by GC/MS - Westborough Lab											
Acenaphthene	ND		ug/kg	140	18.	1					
Hexachlorobenzene	ND		ug/kg	100	19.	1					
Fluoranthene	ND		ug/kg	100	20.	1					
Naphthalene	ND		ug/kg	170	21.	1					
Benzo(a)anthracene	ND		ug/kg	100	19.	1					
Benzo(a)pyrene	ND		ug/kg	140	42.	1					
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1					
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1					
Chrysene	ND		ug/kg	100	18.	1					
Acenaphthylene	ND		ug/kg	140	26.	1					
Anthracene	ND		ug/kg	100	33.	1					
Benzo(ghi)perylene	ND		ug/kg	140	20.	1					
Fluorene	ND		ug/kg	170	17.	1					
Phenanthrene	ND		ug/kg	100	21.	1					
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1					
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1					
Pyrene	ND		ug/kg	100	17.	1					
Dibenzofuran	ND		ug/kg	170	16.	1					
Pentachlorophenol	ND		ug/kg	140	38.	1					
Phenol	ND		ug/kg	170	26.	1					
2-Methylphenol	ND		ug/kg	170	26.	1					
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1					



02/09/18

**Project Name:** Lab Number: NYSEG LOCKPORT STATE RD FMR L1746394

Report Date: **Project Number:** 2161270.031

**SAMPLE RESULTS** 

Lab ID: L1746394-01 Date Collected: 12/15/17 09:40

Date Received: Client ID: DRY SCREENINGS\_1 12/15/17 Sample Location: Field Prep: Not Specified Not Specified

Sample Depth:

Parameter Result Qualifier Units RLMDL **Dilution Factor** 

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria
2-Fluorophenol	79	25-120
Phenol-d6	79	10-120
Nitrobenzene-d5	73	23-120
2-Fluorobiphenyl	85	30-120
2,4,6-Tribromophenol	68	10-136
4-Terphenyl-d14	85	18-120



L1746394

02/09/18

**Project Name:** NYSEG LOCKPORT STATE RD FMR

L1746394-02

Not Specified

CRUSHER RUN#2\_1

**Project Number:** 2161270.031

**SAMPLE RESULTS** 

Date Collected: 12/15/17 09:50

Lab Number:

Report Date:

Date Received: 12/15/17
Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method:EPA 3546

Analytical Method: 1,8270D Extraction Date: 12/16/17 05:06
Analytical Date: 12/19/17 02:38

Analyst: EK
Percent Solids: 95%

Lab ID:

Client ID:

Sample Location:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor				
Semivolatile Organics by GC/MS - Westborough Lab										
Acenaphthene	ND		ug/kg	140	18.	1				
Hexachlorobenzene	ND		ug/kg	100	19.	1				
Fluoranthene	ND		ug/kg	100	20.	1				
Naphthalene	ND		ug/kg	170	21.	1				
Benzo(a)anthracene	ND		ug/kg	100	19.	1				
Benzo(a)pyrene	ND		ug/kg	140	42.	1				
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1				
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1				
Chrysene	ND		ug/kg	100	18.	1				
Acenaphthylene	ND		ug/kg	140	26.	1				
Anthracene	ND		ug/kg	100	33.	1				
Benzo(ghi)perylene	ND		ug/kg	140	20.	1				
Fluorene	ND		ug/kg	170	17.	1				
Phenanthrene	ND		ug/kg	100	21.	1				
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1				
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1				
Pyrene	ND		ug/kg	100	17.	1				
Dibenzofuran	ND		ug/kg	170	16.	1				
Pentachlorophenol	ND		ug/kg	140	38.	1				
Phenol	ND		ug/kg	170	26.	1				
2-Methylphenol	ND		ug/kg	170	26.	1				
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1				



**Project Name:** Lab Number: NYSEG LOCKPORT STATE RD FMR L1746394

Report Date: **Project Number:** 2161270.031 02/09/18

**SAMPLE RESULTS** 

Lab ID: Date Collected: L1746394-02 12/15/17 09:50

Date Received: Client ID: CRUSHER RUN#2\_1 12/15/17 Sample Location: Field Prep: Not Specified Not Specified

Sample Depth:

Parameter Result Qualifier Units RLMDL **Dilution Factor** 

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria
2-Fluorophenol	74	25-120
Phenol-d6	75	10-120
Nitrobenzene-d5	72	23-120
2-Fluorobiphenyl	80	30-120
2,4,6-Tribromophenol	58	10-136
4-Terphenyl-d14	86	18-120



**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number:

L1746394

Report Date:

02/09/18

#### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D Analytical Date: 12/16/17 01:28

Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 12/15/17 11:54

arameter	Result	Qualifier	Units	RL		MDL
emivolatile Organics by GC/M	S - Westborough	Lab for s	sample(s):	01-02	Batch:	WG1073188-1
Acenaphthene	ND		ug/kg	130		17.
Hexachlorobenzene	ND		ug/kg	99		18.
Fluoranthene	ND		ug/kg	99		19.
Naphthalene	ND		ug/kg	160		20.
Benzo(a)anthracene	ND		ug/kg	99		19.
Benzo(a)pyrene	ND		ug/kg	130		40.
Benzo(b)fluoranthene	ND		ug/kg	99		28.
Benzo(k)fluoranthene	ND		ug/kg	99		26.
Chrysene	ND		ug/kg	99		17.
Acenaphthylene	ND		ug/kg	130		26.
Anthracene	ND		ug/kg	99		32.
Benzo(ghi)perylene	ND		ug/kg	130		19.
Fluorene	ND		ug/kg	160		16.
Phenanthrene	ND		ug/kg	99		20.
Dibenzo(a,h)anthracene	ND		ug/kg	99		19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130		23.
Pyrene	ND		ug/kg	99		16.
Dibenzofuran	ND		ug/kg	160		16.
Pentachlorophenol	ND		ug/kg	130		36.
Phenol	ND		ug/kg	160		25.
2-Methylphenol	ND		ug/kg	160		26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240		26.

**Tentatively Identified Compounds** 

No Tentatively Identified Compounds

ND

ug/kg



L1746394

Lab Number:

Project Name: NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031 **Report Date:** 02/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D Extraction Method: EPA 3546
Analytical Date: 12/16/17 01:28 Extraction Date: 12/15/17 11:54

Analyst: CB

ParameterResultQualifierUnitsRLMDLSemivolatile Organics by GC/MS - Westborough Lab for sample(s):01-02Batch:WG1073188-1

Surrogate	%Recovery	Acceptance Qualifier Criteria
Surrogate	/«Recovery	Qualifier Criteria
2-Fluorophenol	69	25-120
Phenol-d6	69	10-120
Nitrobenzene-d5	61	23-120
2-Fluorobiphenyl	66	30-120
2,4,6-Tribromophenol	70	10-136
4-Terphenyl-d14	75	18-120



**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number: L1746394

Parameter	LCS %Recovery	Qual	LCSE %Recov		%. Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westboro	ugh Lab Assoc	iated sample(s):	01-02	Batch:	WG1073188	-2 WG107	3188-3		
Acenaphthene	71		78			31-137	9		50
Hexachlorobenzene	74		81			40-140	9		50
Fluoranthene	79		87			40-140	10		50
Naphthalene	68		76			40-140	11		50
Benzo(a)anthracene	81		90			40-140	11		50
Benzo(a)pyrene	86		95			40-140	10		50
Benzo(b)fluoranthene	83		91			40-140	9		50
Benzo(k)fluoranthene	85		93			40-140	9		50
Chrysene	79		87			40-140	10		50
Acenaphthylene	70		77			40-140	10		50
Anthracene	80		87			40-140	8		50
Benzo(ghi)perylene	80		90			40-140	12		50
Fluorene	76		84			40-140	10		50
Phenanthrene	77		84			40-140	9		50
Dibenzo(a,h)anthracene	81		91			40-140	12		50
Indeno(1,2,3-cd)pyrene	80		92			40-140	14		50
Pyrene	76		85			35-142	11		50
Dibenzofuran	75		82			40-140	9		50
Pentachlorophenol	72		80			17-109	11		50
Phenol	78		87			26-90	11		50
2-Methylphenol	77		87			30-130.	12		50
3-Methylphenol/4-Methylphenol	80		89			30-130	11		50



**Project Name:** NYSEG LOCKPORT STATE RD FMR

Lab Number: L1746394

**Project Number:** 2161270.031 Report Date:

02/09/18

	LCS		LCSD		%Recovery			RPD
Parameter	%Recovery	Qual	%Recovery	Qual	Limits	RPD	Qual	Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1073188-2 WG1073188-3

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria
2-Fluorophenol	77	88	25-120
Phenol-d6	80	89	10-120
Nitrobenzene-d5	73	83	23-120
2-Fluorobiphenyl	69	79	30-120
2,4,6-Tribromophenol	82	92	10-136
4-Terphenyl-d14	76	85	18-120



### **PCBS**



Project Name: NYSEG LOCKPORT STATE RD FMR Lab Number: L1746394

**Project Number:** 2161270.031 **Report Date:** 02/09/18

**SAMPLE RESULTS** 

Lab ID: Date Collected: 12/15/17 09:40

Client ID: DRY SCREENINGS\_1 Date Received: 12/15/17
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1 8082A Extraction Date: 12/16/17 07:49

Analytical Method: 1,8082A Extraction Date: 12/16/17 07:49
Analytical Date: 12/17/17 11:59 Cleanup Method: EPA 3665A
Analyst: HT Cleanup Date: 12/16/17

Analyst: HT Cleanup Date: 12/16/17
Percent Solids: 96% Cleanup Method: EPA 3660B
Cleanup Date: 12/17/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - We	stborough Lab						
Aroclor 1016	ND		ug/kg	32.9	3.73	1	Α
Aroclor 1221	ND		ug/kg	32.9	5.00	1	Α
Aroclor 1232	ND		ug/kg	32.9	3.23	1	Α
Aroclor 1242	ND		ug/kg	32.9	4.02	1	Α
Aroclor 1248	ND		ug/kg	32.9	3.69	1	Α
Aroclor 1254	ND		ug/kg	32.9	2.68	1	Α
Aroclor 1260	ND		ug/kg	32.9	3.43	1	Α
Aroclor 1262	ND		ug/kg	32.9	2.70	1	Α
Aroclor 1268	ND		ug/kg	32.9	2.33	1	Α
PCBs, Total	ND		ug/kg	32.9	2.33	1	Α

			Acceptance	
Surrogate	% Recovery	Qualifier	Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	А
Decachlorobiphenyl	49		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	76		30-150	В
Decachlorobiphenyl	66		30-150	В



Project Name: NYSEG LOCKPORT STATE RD FMR Lab Number: L1746394

**Project Number:** 2161270.031 **Report Date:** 02/09/18

SAMPLE RESULTS

Lab ID: Date Collected: 12/15/17 09:50

Client ID: CRUSHER RUN#2\_1 Date Received: 12/15/17
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1,8082A Extraction Date: 12/16/17 07:49

Analytical Date: 12/17/17 12:16 Cleanup Method: EPA 3665A
Analyst: HT Cleanup Date: 12/16/17
Percent Solids: 95% Cleanup Method: EPA 3660B

Cleanup Date: 12/17/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column		
Polychlorinated Biphenyls by GC - Westborough Lab									
Aroclor 1016	ND		ug/kg	33.6	3.81	1	Α		
Aroclor 1221	ND		ug/kg	33.6	5.11	1	Α		
Aroclor 1232	ND		ug/kg	33.6	3.31	1	Α		
Aroclor 1242	ND		ug/kg	33.6	4.11	1	А		
Aroclor 1248	ND		ug/kg	33.6	3.77	1	Α		
Aroclor 1254	ND		ug/kg	33.6	2.74	1	Α		
Aroclor 1260	ND		ug/kg	33.6	3.51	1	Α		
Aroclor 1262	ND		ug/kg	33.6	2.76	1	Α		
Aroclor 1268	ND		ug/kg	33.6	2.38	1	Α		
PCBs, Total	ND		ug/kg	33.6	2.38	1	Α		

			Acceptance					
Surrogate	% Recovery	Qualifier	Criteria	Column				
2,4,5,6-Tetrachloro-m-xylene	93		30-150	Α				
Decachlorobiphenyl	58		30-150	Α				
2,4,5,6-Tetrachloro-m-xylene	86		30-150	В				
Decachlorobiphenyl	73		30-150	В				



L1746394

Lab Number:

Project Name: NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031 **Report Date:** 02/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A Analytical Date: 12/17/17 15:16

Analyst: AF

Extraction Method: EPA 3546
Extraction Date: 12/16/17 07:49
Cleanup Method: EPA 3665A
Cleanup Date: 12/16/17
Cleanup Method: EPA 3660B
Cleanup Date: 12/17/17

Parameter	Result	Qualifier	Units	RL		MDL	Column
Polychlorinated Biphenyls by GC - V	Vestborough	n Lab for s	ample(s):	01-02	Batch:	WG107	73459-1
Aroclor 1016	ND		ug/kg	32.0		3.63	А
Aroclor 1221	ND		ug/kg	32.0		4.88	Α
Aroclor 1232	ND		ug/kg	32.0		3.15	Α
Aroclor 1242	ND		ug/kg	32.0		3.92	Α
Aroclor 1248	ND		ug/kg	32.0		3.60	Α
Aroclor 1254	ND		ug/kg	32.0		2.62	Α
Aroclor 1260	ND		ug/kg	32.0		3.35	Α
Aroclor 1262	ND		ug/kg	32.0		2.63	Α
Aroclor 1268	ND		ug/kg	32.0		2.27	Α
PCBs, Total	ND		ug/kg	32.0		2.27	А

		Acceptano	ce
Surrogate	%Recovery Qualifi	er Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87	30-150	Α
Decachlorobiphenyl	48	30-150	Α
2,4,5,6-Tetrachloro-m-xylene	85	30-150	В
Decachlorobiphenyl	65	30-150	В



**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031 Lab Number:

L1746394

02/09/18

Report Date:

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westbor	ough Lab Associa	ated sample(s)	: 01-02 Batch	: WG107	3459-2 WG10734	59-3			
Aroclor 1016	62		78		40-140	23		50	Α
Aroclor 1260	47		64		40-140	31		50	А

Surrogate	LCS %Recovery	LCSD Qual %Recovery Qu	Acceptance ual Criteria Column
2,4,5,6-Tetrachloro-m-xylene	64	83	30-150 A
Decachlorobiphenyl	37	50	30-150 A
2,4,5,6-Tetrachloro-m-xylene	58	79	30-150 B
Decachlorobiphenyl	48	64	30-150 B



## **PESTICIDES**



12/17/17

Cleanup Date:

**Project Name:** Lab Number: NYSEG LOCKPORT STATE RD FMR L1746394

Report Date: **Project Number:** 2161270.031 02/09/18

**SAMPLE RESULTS** 

Lab ID: L1746394-01 Date Collected: 12/15/17 09:40

Date Received: Client ID: DRY SCREENINGS\_1 12/15/17 Sample Location: Field Prep: Not Specified Not Specified

Sample Depth:

Extraction Method: EPA 3546 Matrix: Soil Extraction Date: 12/16/17 09:40 Analytical Method: 1,8081B Cleanup Method: EPA 3620B Analytical Date: 12/18/17 15:26

Analyst: JW 96% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Organochlorine Pesticides by 0	GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.60	0.312	1	Α
Lindane	ND		ug/kg	0.665	0.297	1	Α
Alpha-BHC	ND		ug/kg	0.665	0.189	1	Α
Beta-BHC	ND		ug/kg	1.60	0.605	1	Α
Heptachlor	ND		ug/kg	0.798	0.358	1	А
Aldrin	ND		ug/kg	1.60	0.562	1	Α
Endrin	ND		ug/kg	0.665	0.273	1	Α
Dieldrin	ND		ug/kg	0.997	0.499	1	Α
4,4'-DDE	ND		ug/kg	1.60	0.369	1	Α
4,4'-DDD	ND		ug/kg	1.60	0.569	1	Α
4,4'-DDT	ND		ug/kg	2.99	1.28	1	Α
Endosulfan I	ND		ug/kg	1.60	0.377	1	Α
Endosulfan II	ND		ug/kg	1.60	0.533	1	Α
Endosulfan sulfate	ND		ug/kg	0.665	0.316	1	Α
cis-Chlordane	ND		ug/kg	1.99	0.556	1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	В
Decachlorobiphenyl	77		30-150	В
2,4,5,6-Tetrachloro-m-xylene	105		30-150	Α
Decachlorobiphenyl	77		30-150	Α



02/09/18

Project Name: NYSEG LOCKPORT STATE RD FMR Lab Number: L1746394

**Project Number:** 2161270.031

SAMPLE RESULTS

**Report Date:** 

Lab ID: Date Collected: 12/15/17 09:40

Client ID: DRY SCREENINGS\_1 Date Received: 12/15/17
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 8151A
Analytical Method: 1,8151A
Analytical Date: 12/20/17 05:50

Extraction Method: EPA 8151A
Extraction Date: 12/18/17 20:12

Analyst: SL Percent Solids: 96%

Methylation Date: 12/19/17 13:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Facto	or Column
Chlorinated Herbicides by GC	- Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	171	4.55	1	А
Surrogate			% Recovery	Qualifier		eptance iteria (	Column
DCAA			83		3	30-150	Α
DCAA			75		3	30-150	В



Cleanup Date:

02/09/18

12/17/17

**Project Name:** Lab Number: NYSEG LOCKPORT STATE RD FMR L1746394

Report Date: **Project Number:** 2161270.031

**SAMPLE RESULTS** 

Lab ID: Date Collected: L1746394-02 12/15/17 09:50

Date Received: Client ID: CRUSHER RUN#2\_1 12/15/17 Sample Location: Field Prep: Not Specified Not Specified

Sample Depth:

Extraction Method: EPA 3546 Matrix: Soil Extraction Date: 12/16/17 09:40 Analytical Method: 1,8081B Cleanup Method: EPA 3620B Analytical Date: 12/18/17 15:38

Analyst: JW 95% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by G	C - Westborough Lab						
Delta-BHC	ND		ug/kg	1.68	0.329	1	Α
Lindane	ND		ug/kg	0.700	0.313	1	Α
Alpha-BHC	ND		ug/kg	0.700	0.199	1	Α
Beta-BHC	ND		ug/kg	1.68	0.637	1	Α
Heptachlor	ND		ug/kg	0.840	0.377	1	Α
Aldrin	ND		ug/kg	1.68	0.592	1	Α
Endrin	ND		ug/kg	0.700	0.287	1	Α
Dieldrin	ND		ug/kg	1.05	0.525	1	Α
4,4'-DDE	ND		ug/kg	1.68	0.388	1	Α
4,4'-DDD	ND		ug/kg	1.68	0.599	1	Α
4,4'-DDT	ND		ug/kg	3.15	1.35	1	Α
Endosulfan I	ND		ug/kg	1.68	0.397	1	Α
Endosulfan II	ND		ug/kg	1.68	0.561	1	Α
Endosulfan sulfate	ND		ug/kg	0.700	0.333	1	Α
cis-Chlordane	ND		ug/kg	2.10	0.585	1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	В
Decachlorobiphenyl	71		30-150	В
2,4,5,6-Tetrachloro-m-xylene	101		30-150	Α
Decachlorobiphenyl	67		30-150	Α



30-150

В

**Project Name:** Lab Number: NYSEG LOCKPORT STATE RD FMR L1746394

**Project Number:** 2161270.031

**SAMPLE RESULTS** 

02/09/18

**Report Date:** 

12/20/17 06:09

Lab ID: Date Collected: L1746394-02 12/15/17 09:50

Date Received: Client ID: 12/15/17 CRUSHER RUN#2\_1 Sample Location: Field Prep: Not Specified Not Specified

Sample Depth:

Analytical Date:

DCAA

Extraction Method: EPA 8151A Matrix: Soil Extraction Date: 12/18/17 20:12 Analytical Method: 1,8151A

Analyst: SL 95% Percent Solids:

Methylation Date: 12/19/17 13:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Fa	ctor Column
Chlorinated Herbicides by GC	- Westborough Lab						
2,4,5-TP (Silvex)	ND		ug/kg	172	4.59	1	Α
Surrogate			% Recovery	Qualifier		eptance riteria	Column
DCAA			118		;	30-150	Α

100



**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031 Lab Number:

L1746394

Report Date:

02/09/18

Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date:

1,8081B

12/18/17 11:54

Analyst:

JW

Extraction Method: EPA 3546

Extraction Date: Cleanup Method: 12/16/17 09:40 EPA 3620B

Cleanup Date:

12/17/17

Parameter	Result	Qualifier	Units	RL		MDL	Column
Organochlorine Pesticides by GC -	Westboroug	h Lab for	sample(s):	01-02	Batch:	WG10	73493-1
Delta-BHC	ND		ug/kg	1.53		0.299	Α
Lindane	ND		ug/kg	0.637		0.285	Α
Alpha-BHC	ND		ug/kg	0.637		0.181	А
Beta-BHC	ND		ug/kg	1.53		0.580	А
Heptachlor	ND		ug/kg	0.764		0.343	Α
Aldrin	ND		ug/kg	1.53		0.538	А
Endrin	ND		ug/kg	0.637		0.261	А
Dieldrin	ND		ug/kg	0.955		0.478	А
4,4'-DDE	ND		ug/kg	1.53		0.354	Α
4,4'-DDD	ND		ug/kg	1.53		0.545	А
4,4'-DDT	ND		ug/kg	2.87		1.23	А
Endosulfan I	ND		ug/kg	1.53		0.361	А
Endosulfan II	ND		ug/kg	1.53		0.511	А
Endosulfan sulfate	ND		ug/kg	0.637		0.303	А
cis-Chlordane	ND		ug/kg	1.91		0.532	А

	Acceptance						
Surrogate	%Recovery Qualifie	r Criteria	Column				
			_				
2,4,5,6-Tetrachloro-m-xylene	97	30-150	В				
Decachlorobiphenyl	86	30-150	В				
2,4,5,6-Tetrachloro-m-xylene	96	30-150	Α				
Decachlorobiphenyl	75	30-150	Α				



**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031 Lab Number: Report Date:

L1746394

02/09/18

Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date:

1,8151A

Analyst:

SL

12/20/17 01:57

Extraction Method: EPA 8151A 12/18/17 10:00 Extraction Date:

12/19/17 05:13 Methylation Date:

Parameter	Result	Qualifier (	<b>Jnits</b>		RL	MDL	Column
Chlorinated Herbicides by GC -	Westborough L	ab for sample	e(s):	01-02	Batch:	WG1073849	-1
2,4,5-TP (Silvex)	ND		ug/kg		165	4.40	Α

		Acceptance			
Surrogate	%Recovery Qua	lifier Criteria	Column		
			_		
DCAA	85	30-150	Α		
DCAA	89	30-150	В		



**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number: L1746394

arameter	LCS %Recovery		SD covery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
rganochlorine Pesticides by GC - Westboro	ugh Lab Associ	ated sample(s): 01-0	)2 Batch:	WG1073	3493-2 WG1073	493-3			
Delta-BHC	105		93		30-150	12		30	Α
Lindane	103		90		30-150	13		30	Α
Alpha-BHC	103		94		30-150	9		30	А
Beta-BHC	101		92		30-150	9		30	А
Heptachlor	67		61		30-150	9		30	А
Aldrin	93		87		30-150	7		30	А
Endrin	101		94		30-150	7		30	А
Dieldrin	100		92		30-150	8		30	А
4,4'-DDE	91		85		30-150	7		30	А
4,4'-DDD	92		84		30-150	9		30	А
4,4'-DDT	98		90		30-150	9		30	А
Endosulfan I	97		91		30-150	6		30	А
Endosulfan II	102		93		30-150	9		30	Α
Endosulfan sulfate	108		95		30-150	13		30	Α
cis-Chlordane	99		93		30-150	6		30	А

Surrogate	LCS %Recovery	LCSD Qual %Recovery Qu	Acceptance ual Criteria Column
2,4,5,6-Tetrachloro-m-xylene	108	97	30-150 B
Decachlorobiphenyl	97	88	30-150 B
2,4,5,6-Tetrachloro-m-xylene	110	103	30-150 A
Decachlorobiphenyl	96	96	30-150 A



**Project Name:** NYSEG LOCKPORT STATE RD FMR

Lab Number:

L1746394

**Project Number:** 2161270.031 Report Date:

Parameter	LCS %Recovery	Qual	_	SD covery	9/ Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough	Lab Associated	sample(s):	01-02	Batch:	WG1073849-2	WG1073849-3				
2,4,5-TP (Silvex)	90		1	101		30-150	12		30	Α

Surrogate	LCS %Recovery	Qual %l	LCSD Recovery	Qual	Acceptance Criteria	Column
DCAA DCAA	85 85		90 81		30-150 30-150	A B



## **METALS**



**Project Name:** NYSEG LOCKPORT STATE RD FMR Lab Number: L1746394

**Project Number:** 2161270.031 **Report Date:** 02/09/18

**SAMPLE RESULTS** 

Lab ID: L1746394-01

Date Collected: 12/15/17 09:40 Client ID: Date Received: DRY SCREENINGS\_1 12/15/17

Field Prep: Sample Location: Not Specified Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96% Date Dilution Date Prep Analytical

Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - Man	sfield Lab										
Aluminum, Total	607		mg/kg	8.27	2.23	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.13	0.314	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Arsenic, Total	0.298	J	mg/kg	0.827	0.172	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Barium, Total	3.94		mg/kg	0.827	0.144	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Beryllium, Total	0.041	J	mg/kg	0.413	0.027	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.827	0.081	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Calcium, Total	208000		mg/kg	82.7	28.9	20	12/18/17 19:50	12/20/17 00:35	EPA 3050B	1,6010C	AB
Chromium, Total	1.76		mg/kg	0.827	0.079	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Cobalt, Total	1.12	J	mg/kg	1.65	0.137	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Copper, Total	2.45		mg/kg	0.827	0.213	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Iron, Total	3710		mg/kg	4.13	0.747	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Lead, Total	13.9		mg/kg	4.13	0.222	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Magnesium, Total	35700		mg/kg	8.27	1.27	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Manganese, Total	430		mg/kg	0.827	0.131	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.07	0.02	1	12/18/17 21:45	12/18/17 23:51	EPA 7471B	1,7471B	EA
Nickel, Total	1.91	J	mg/kg	2.07	0.200	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Potassium, Total	453		mg/kg	207	11.9	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Selenium, Total	ND		mg/kg	1.65	0.213	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.827	0.234	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Sodium, Total	302		mg/kg	165	2.60	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.65	0.260	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Vanadium, Total	1.96		mg/kg	0.827	0.168	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB
Zinc, Total	32.1		mg/kg	4.13	0.242	2	12/18/17 19:50	12/19/17 19:45	EPA 3050B	1,6010C	AB



12/15/17 09:50

Date Collected:

Project Name: NYSEG LOCKPORT STATE RD FMR Lab Number: L1746394

**Project Number:** 2161270.031 **Report Date:** 02/09/18

SAMPLE RESULTS

Lab ID: L1746394-02

Client ID: CRUSHER RUN#2\_1 Date Received: 12/15/17

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Percent Solids: 95%

Analytical Dilution **Date** Date Prep Method **Factor Prepared** Analyzed Method **Parameter** Result Qualifier **Units** RL MDL Analyst Total Metals - Mansfield Lab 1040 2 1.6010C Aluminum, Total mg/kg 8.33 2.25 12/18/17 19:50 12/19/17 21:38 EPA 3050B AB Antimony, Total ND mg/kg 4.16 0.316 2 12/18/17 19:50 12/19/17 21:38 EPA 3050B 1,6010C AΒ Arsenic, Total 3.20 mg/kg 0.833 0.173 2 12/18/17 19:50 12/19/17 21:38 EPA 3050B 1,6010C AB 7.79 mg/kg 0.833 0.145 2 1,6010C Barium, Total 12/18/17 19:50 12/19/17 21:38 EPA 3050B AB J Beryllium, Total 0.083 mg/kg 0.416 0.028 2 12/18/17 19:50 12/19/17 21:38 EPA 3050B 1,6010C AΒ Cadmium, Total 1.71 0.833 0.082 2 12/18/17 19:50 12/19/17 21:38 EPA 3050B 1,6010C AB mg/kg 20 1,6010C Calcium, Total 191000 83.3 29.2 12/18/17 19:50 12/20/17 00:56 EPA 3050B AB mg/kg Chromium, Total 2.51 0.833 0.080 2 12/18/17 19:50 12/19/17 21:38 EPA 3050B 1,6010C AΒ mg/kg 2 Cobalt, Total 2.02 mg/kg 1.67 0.138 12/18/17 19:50 12/19/17 21:38 EPA 3050B 1,6010C AB 5.16 0.833 0.215 2 12/18/17 19:50 12/19/17 21:38 EPA 3050B 1,6010C AB Copper, Total mg/kg 2 Iron, Total 6720 mg/kg 4.16 0.752 12/18/17 19:50 12/19/17 21:38 EPA 3050B 1,6010C AΒ Lead, Total 25.3 mg/kg 4.16 0.223 2 12/18/17 19:50 12/19/17 21:38 EPA 3050B 1,6010C AB 1,6010C 43400 8.33 1.28 2 12/18/17 19:50 12/19/17 21:38 EPA 3050B AB Magnesium, Total mg/kg Manganese, Total 609 mg/kg 0.833 0.132 2 12/18/17 19:50 12/19/17 21:38 EPA 3050B 1,6010C AΒ Mercury, Total ND 0.07 0.02 1 12/18/17 21:45 12/18/17 23:53 EPA 7471B 1,7471B EΑ mg/kg 2 Nickel, Total 3.75 mg/kg 2.08 0.202 12/18/17 19:50 12/19/17 21:38 EPA 3050B 1,6010C AB Potassium, Total 699 208 12.0 2 12/18/17 19:50 12/19/17 21:38 EPA 3050B 1,6010C AB mg/kg 12/18/17 19:50 12/19/17 21:38 EPA 3050B ND 1.67 0.215 2 1,6010C AB Selenium, Total mg/kg ND 2 1,6010C Silver, Total mg/kg 0.833 0.236 12/18/17 19:50 12/19/17 21:38 EPA 3050B AB 2.62 2 1,6010C Sodium, Total 418 mg/kg 167 12/18/17 19:50 12/19/17 21:38 EPA 3050B AB ND 0.262 2 1.6010C Thallium, Total mg/kg 1.67 12/18/17 19:50 12/19/17 21:38 EPA 3050B AB 2 Vanadium, Total 2.96 mg/kg 0.833 0.169 12/18/17 19:50 12/19/17 21:38 EPA 3050B 1,6010C AB 412 2 1,6010C Zinc, Total mg/kg 4.16 0.244 12/18/17 19:50 12/19/17 21:38 EPA 3050B AB



**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number:

L1746394

**Report Date:** 02/09/18

# Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	
Total Metals - Mansfield	d Lab for sample(s):	01-02 B	atch: W	G10739	07-1				
Mercury, Total	ND	mg/kg	0.08	0.02	1	12/18/17 21:45	12/18/17 23:36	1,7471B	EA

### **Prep Information**

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	
Total Metals - Mansfield I	Lab for	sample(s):	01-02 l	Batch: Wo	G107409	97-1				
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Arsenic, Total	0.108	J	mg/kg	0.400	0.083	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Iron, Total	0.404	J	mg/kg	2.00	0.361	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Manganese, Total	ND		mg/kg	0.400	0.064	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Potassium, Total	ND		mg/kg	100	5.76	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Sodium, Total	ND		mg/kg	80.0	1.26	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/18/17 19:50	12/19/17 19:32	1,6010C	AB



Serial\_No:02091815:06

**Project Name:** NYSEG LOCKPORT STATE RD FMR **Lab Number:** L1746394

**Project Number:** 2161270.031 **Report Date:** 02/09/18

Method Blank Analysis Batch Quality Control

**Prep Information** 

Digestion Method: EPA 3050B



**Project Name:** NYSEG LOCKPORT STATE RD FMR

Lab Number:

L1746394

**Project Number:** 2161270.031

Report Date:

Parameter	LCS %Recovery	Qual %	LCSD Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample	e(s): 01-02 Bato	ch: WG107390	7-2 SRM Lo	t Number:	D098-540			
Mercury, Total	117		-		50-149	-		



**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number: L1746394

**Report Date:** 02/09/18

arameter	LCS %Recove		SD %Recov covery Limits	ery S RPD	RPD Limits
otal Metals - Mansfield Lab Associated	sample(s): 01-02	Batch: WG1074097-2	SRM Lot Number: D098-540		
Aluminum, Total	69		- 47-153	-	
Antimony, Total	131		- 6-194	-	
Arsenic, Total	89		- 83-117	-	
Barium, Total	84		- 82-118	-	
Beryllium, Total	89		- 83-117	-	
Cadmium, Total	100		- 82-117	-	
Calcium, Total	94		- 81-118	-	
Chromium, Total	86		- 83-119	-	
Cobalt, Total	105		- 84-116	-	
Copper, Total	88		- 84-116	-	
Iron, Total	83		- 60-140	-	
Lead, Total	85		- 82-117	-	
Magnesium, Total	76		- 76-124	-	
Manganese, Total	96		- 82-118	-	
Nickel, Total	101		- 82-117	-	
Potassium, Total	79		- 69-131	-	
Selenium, Total	97		- 78-121	-	
Silver, Total	89		- 80-120	-	
Sodium, Total	100		- 74-126	-	
Thallium, Total	94		- 80-119	-	
Vanadium, Total	86		- 79-121	-	



**Project Name:** NYSEG LOCKPORT STATE RD FMR

Lab Number: L1746394

**Project Number:** 2161270.031 Report Date: 02/09/18

Parameter	LCS %Recove	LC: ery %Rec		%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample	(s): 01-02	Batch: WG1074097-2	SRM Lot Number: DO	098-540		
Zinc, Total	89		-	81-119	-	



Project Name: NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number:

L1746394

Report Date:

Parameter Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery Q	Recovery ual Limits	RPD Qual	RPD Limits
Total Metals - Mansfield Lab	Associated san	nple(s): 01-02	QC Ba	tch ID: WG107	3907-3	QC Sam	nple: L1746194-07	Client ID: MS	S Sample	
Mercury, Total	0.34	0.198	0.48	70	Q	-	-	80-120	-	20



Project Name: NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number: L1746394

**Report Date:** 02/09/18

arameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lal	b Associated sar	mple(s): 01-02	QC Ba	tch ID: WG107	4097-3	QC Sam	ple: L1746394-01	Client ID: DR	Y SCREE	ENINGS_1
Aluminum, Total	607.	164	1050	270	Q	-	-	75-125	-	20
Antimony, Total	ND	41.1	41.2	100		-	-	75-125	-	20
Arsenic, Total	0.298J	9.86	11.8	120		-	-	75-125	-	20
Barium, Total	3.94	164	158	94		-	-	75-125	-	20
Beryllium, Total	0.041J	4.11	3.22	78		-	-	75-125	-	20
Cadmium, Total	ND	4.19	3.45	82		-	-	75-125	-	20
Calcium, Total	208000	822	201000	0	Q	-	-	75-125	-	20
Chromium, Total	1.76	16.4	16.0	87		-	-	75-125	-	20
Cobalt, Total	1.12J	41.1	34.3	83		-	-	75-125	-	20
Copper, Total	2.45	20.5	24.6	108		-	-	75-125	-	20
Iron, Total	3710	82.2	4620	1110	Q	-	-	75-125	-	20
Lead, Total	13.9	41.9	52.0	91		-	-	75-125	-	20
Magnesium, Total	35700	822	40900	633	Q	-	-	75-125	-	20
Manganese, Total	430.	41.1	511	197	Q	-	-	75-125	-	20
Nickel, Total	1.91J	41.1	34.4	84		-	-	75-125	-	20
Potassium, Total	453.	822	1440	120		-	-	75-125	-	20
Selenium, Total	ND	9.86	10.5	106		-	-	75-125	-	20
Silver, Total	ND	24.6	31.3	127	Q	-	-	75-125	-	20
Sodium, Total	302.	822	1250	115		-	-	75-125	-	20
Thallium, Total	ND	9.86	7.12	72	Q	-	-	75-125	-	20
Vanadium, Total	1.96	41.1	39.9	92		-	-	75-125	-	20



Project Name: NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number:

L1746394

Report Date:

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield	Lab Associated san	nple(s): 01-02	2 QC Ba	tch ID: WG107	4097-3	QC Sam	ple: L1746394-01	Client ID: DF	RY SCRE	ENINGS_1
Zinc, Total	32.1	41.1	51.3	47	Q	-	-	75-125	-	20



Lab Duplicate Analysis
Batch Quality Control

**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number:

L1746394

Report Date:

Parameter	Native Sample	Duplicate Sam	ple Units	RPD	Qual RPD	Limits
Total Metals - Mansfield Lab Associated sample(s): 01-0	QC Batch ID:	WG1073907-4 QC Sa	mple: L1746194-07	Client ID:	DUP Sample	
Mercury, Total	0.34	0.30	mg/kg	13		20



L1746394

## Lab Duplicate Analysis Batch Quality Control

**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Report Date: 02/09/18

Lab Number:

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-	02 QC Batch ID: W	/G1074097-4 QC Sample:	L1746394-01	Client ID:	DRY SCREENINGS_1
Aluminum, Total	607.	560	mg/kg	8	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	0.298J	ND	mg/kg	NC	20
Barium, Total	3.94	4.18	mg/kg	6	20
Beryllium, Total	0.041J	0.032J	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Chromium, Total	1.76	1.84	mg/kg	4	20
Cobalt, Total	1.12J	1.02J	mg/kg	NC	20
Copper, Total	2.45	2.36	mg/kg	4	20
Iron, Total	3710	3880	mg/kg	4	20
Lead, Total	13.9	18.6	mg/kg	29	Q 20
Magnesium, Total	35700	47200	mg/kg	28	Q 20
Manganese, Total	430.	501	mg/kg	15	20
Nickel, Total	1.91J	1.87J	mg/kg	NC	20
Potassium, Total	453.	411	mg/kg	10	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	302.	330	mg/kg	9	20
Thallium, Total	ND	ND	mg/kg	NC	20



Lab Duplicate Analysis
Batch Quality Control

**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number:

L1746394

Report Date:

Parameter	ameter		Duplicate Sample	Units	RPD	RPD Limits	
Total Metals - Mansfield Lab	Associated sample(s): 01-	02 QC Batch ID:	WG1074097-4 QC Sample	e: L1746394-01	Client ID:	DRY SCREENINGS_1	
Vanadium, Total		1.96	1.95	mg/kg	1	20	
Zinc, Total		32.1	32.3	mg/kg	1	20	
Total Metals - Mansfield Lab	Associated sample(s): 01-	02 QC Batch ID:	WG1074097-4 QC Sample	e: L1746394-01	Client ID:	DRY SCREENINGS_1	
Calcium, Total		208000	187000	mg/kg	11	20	



## INORGANICS & MISCELLANEOUS



Serial\_No:02091815:06

Project Name: NYSEG LOCKPORT STATE RD FMR Lab Number: L1746394

**Project Number:** 2161270.031 **Report Date:** 02/09/18

**SAMPLE RESULTS** 

Lab ID: L1746394-01 Date Collected: 12/15/17 09:40

Client ID: DRY SCREENINGS\_1 Date Received: 12/15/17
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - V	Vestborough Lab	)								
Solids, Total	95.6		%	0.100	NA	1	-	12/16/17 07:39	121,2540G	RI



Serial\_No:02091815:06

Project Name: NYSEG LOCKPORT STATE RD FMR Lab Number: L1746394

**Project Number:** 2161270.031 **Report Date:** 02/09/18

**SAMPLE RESULTS** 

Lab ID: L1746394-02 Date Collected: 12/15/17 09:50

Client ID: CRUSHER RUN#2\_1 Date Received: 12/15/17
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab	)								
Solids, Total	94.6		%	0.100	NA	1	-	12/16/17 07:39	121,2540G	RI



Lab Duplicate Analysis
Batch Quality Control

**Project Name:** NYSEG LOCKPORT STATE RD FMR

Lab Number:

L1746394

**Project Number:** 2161270.031

Report Date: 02/09/18

Parameter	Native Sample		<b>Duplicate Sample</b>	<u>Units</u>	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated samp SCREENINGS_1	le(s): 01-02	QC Batch II	D: WG1073455-1	QC Sample:	L1746394-01	Client ID:	DRY
Solids, Total	95.6		95.4	%	0		20



Serial\_No:02091815:06 *Lab Number:* L1746394

**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031 **Report Date:** 02/09/18

YES

### Sample Receipt and Container Information

Were project specific reporting limits specified?

**Cooler Information** 

Cooler Custody Seal

A Absent

Container Info	ormation		Initial	Final	Temp			Frozen	
Container ID	Container Type	Cooler	рН	pН	deg C	Pres	Seal	Date/Time	Analysis(*)
L1746394-01A	Vial MeOH preserved	Α	NA		2.6	Υ	Absent		NYTCL-8260HLW(14)
L1746394-01B	Vial water preserved	Α	NA		2.6	Υ	Absent	16-DEC-17 09:57	NYTCL-8260HLW(14)
L1746394-01C	Vial water preserved	Α	NA		2.6	Υ	Absent	16-DEC-17 09:57	NYTCL-8260HLW(14)
L1746394-01D	Plastic 2oz unpreserved for TS	Α	NA		2.6	Υ	Absent		TS(7)
L1746394-01E	Metals Only-Glass 60mL/2oz unpreserved	Α	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG- TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL- TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE- TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE- TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA- TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1746394-01F	Glass 250ml/8oz unpreserved	Α	NA		2.6	Υ	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL- 8081(14),NYTCL-8082(14)
L1746394-02A	Vial MeOH preserved	Α	NA		2.6	Υ	Absent		NYTCL-8260HLW(14)
L1746394-02B	Vial water preserved	Α	NA		2.6	Υ	Absent	16-DEC-17 09:57	NYTCL-8260HLW(14)
L1746394-02C	Vial water preserved	Α	NA		2.6	Υ	Absent	16-DEC-17 09:57	NYTCL-8260HLW(14)
L1746394-02D	Plastic 2oz unpreserved for TS	Α	NA		2.6	Υ	Absent		TS(7)
L1746394-02E	Metals Only-Glass 60mL/2oz unpreserved	Α	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG- TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL- TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE- TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE- TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA- TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1746394-02F	Glass 250ml/8oz unpreserved	Α	NA		2.6	Υ	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(14)



Project Name: NYSEG LOCKPORT STATE RD FMR Lab Number: L1746394

Project Number: 2161270.031 Report Date: 02/09/18

#### **GLOSSARY**

#### Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated

values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis

of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes.

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

adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for

which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL

includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less

precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the

values; although the RPD value will be provided in the report.

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

associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound

list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

#### **Footnotes**

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

#### Terms

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

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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

#### Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers



В

Project Name:NYSEG LOCKPORT STATE RD FMRLab Number:L1746394Project Number:2161270.031Report Date:02/09/18

#### Data Qualifiers

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

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

Report Format: DU Report with 'J' Qualifiers



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Project Name:NYSEG LOCKPORT STATE RD FMRLab Number:L1746394Project Number:2161270.031Report Date:02/09/18

#### REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

#### **LIMITATION OF LIABILITIES**

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

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



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Alpha Analytical, Inc.
Facility: Company-wide

Department: Quality Assurance

Title: Certificate/Approval Program Summary

### **Certification Information**

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

#### **Westborough Facility**

EPA 624: m/p-xylene, o-xylene

**EPA 8260C:** <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; <u>SCM</u>: lodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

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

EPA 300: <u>DW:</u> Bromide EPA 6860: <u>SCM:</u> Perchlorate

**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

### Mansfield Facility

SM 2540D: TSS

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

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

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

#### The following analytes are included in our Massachusetts DEP Scope of Accreditation

#### Westborough Facility:

**Drinking Water** 

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500CN-CE,

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

#### Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, EPA 351.1, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

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

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

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.

#### **Mansfield Facility:**

Drinking Water

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. EPA 522.

Non-Potable Water

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

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

**EPA 245.1** Hg.

SM2340B

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

Document Type: Form Pre-Qualtrax Document ID: 08-113

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#### ANALYTICAL REPORT

Lab Number: L1804333

Client: LaBella Associates, P.C.

300 State Street

Suite 201

Rochester, NY 14614

ATTN: Christie Sobol Phone: (585) 454-6110

Project Name: NYSEG LOCKPORT STATE RD FMR

Project Number: 2161270.031

Report Date: 02/09/18

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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



**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

**Lab Number:** L1804333 **Report Date:** 02/09/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1804333-01	DRY SCREENINGS_1	SOLID	LOCKPORT, NY	02/02/18 14:00	02/07/18
L1804333-02	CRUSHER RUN #2 1	SOLID	LOCKPORT, NY	02/02/18 14:15	02/07/18



Project Name: NYSEG LOCKPORT STATE RD FMR Lab Number: L1804333

Project Number: 2161270 031

Report Date: 02/09/18

**Project Number:** 2161270.031 **Report Date:** 02/09/18

#### **Case Narrative**

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

#### HOLD POLICY

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

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



Project Name:NYSEG LOCKPORT STATE RD FMRLab Number:L1804333Project Number:2161270.031Report Date:02/09/18

#### **Case Narrative (continued)**

Report Submission

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

Sample Receipt

The analyses performed were specified by the client.

Cyanide, Total

The WG1087619-2 LCS recovery (74%), associated with L1804333-01 and -02, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1087619-4 MS recovery (30%), performed on L1804333-01, is outside the acceptance criteria; however, the associated LCS recovery is within criteria. No further action was taken.

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

Amita Naik

Authorized Signature:

Title: Technical Director/Representative

Nails

ALPHA

Date: 02/09/18

## INORGANICS & MISCELLANEOUS



Serial\_No:02091820:33

02/02/18 14:00

Project Name: NYSEG LOCKPORT STATE RD FMR Lab Number: L1804333

**Project Number:** 2161270.031 **Report Date:** 02/09/18

**SAMPLE RESULTS** 

Lab ID: L1804333-01 Date Collected:

Client ID: DRY SCREENINGS\_1 Date Received: 02/07/18
Sample Location: LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - W	estborough Lab	)								
Solids, Total	96.2		%	0.100	NA	1	-	02/08/18 11:23	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	02/08/18 13:15	02/08/18 16:18	121,4500CN-CE	LH



Serial\_No:02091820:33

Project Name: NYSEG LOCKPORT STATE RD FMR Lab Number: L1804333

**Project Number:** 2161270.031 **Report Date:** 02/09/18

**SAMPLE RESULTS** 

Lab ID: L1804333-02 Date Collected: 02/02/18 14:15

Client ID: CRUSHER RUN #2\_1 Date Received: 02/07/18
Sample Location: LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - \	Westborough Lab	)								
Solids, Total	93.2		%	0.100	NA	1	-	02/08/18 11:23	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	02/08/18 13:15	02/08/18 16:24	121,4500CN-CE	LH



Serial\_No:02091820:33

Project Name: NYSEG LOCKPORT STATE RD FMR Lab Number: L1804333

**Project Number:** 2161270.031 **Report Date:** 02/09/18

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - \	Westborough Lab for sam	nple(s): 01	-02 Ba	tch: W0	G1087619-1				
Cvanide Total	ND	ma/ka	0.89	0.19	1	02/08/18 13:15	02/08/18 16:00	121.4500CN-0	CF IH



**Project Name:** NYSEG LOCKPORT STATE RD FMR

Lab Number:

L1804333

**Project Number:** 2161270.031

Report Date:

Parameter	LCS %Recovery (	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	
General Chemistry - Westborough Lab As	ssociated sample(s): (	01-02	Batch: WG10876	619-2					
Cyanide, Total	74	Q	-		80-120	-		35	



Project Name: NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number:

L1804333

Report Date:

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery (	Recover Qual Limits	,	RPI Qual Limi	
General Chemistry - Westboroug SCREENINGS_1	gh Lab Asso	ciated samp	le(s): 01-02	QC Batch II	D: WG10	)87619-4	QC Sample: L	1804333-01 (	Client ID: I	DRY	
Cyanide, Total	ND	9.7	2.9	30	Q	-	-	65-135	-	3	5



Lab Duplicate Analysis
Batch Quality Control

**Project Name:** NYSEG LOCKPORT STATE RD FMR

**Project Number:** 2161270.031

Lab Number:

L1804333

Report Date:

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual RPD	Limits
General Chemistry - Westborough Lab Associated samp SCREENINGS_1	ole(s): 01-02 Q	C Batch ID: WG1087619-3	QC Sample:	L1804333-01	Client ID: DRY	
Cyanide, Total	ND	ND	mg/kg	NC		35
General Chemistry - Westborough Lab Associated samp	ole(s): 01-02 Q	C Batch ID: WG1087621-1	QC Sample:	L1804174-01	Client ID: DUP	Sample
Solids, Total	92.1	92.4	%	0		20

Serial\_No:02091820:33

Project Name: NYSEG LOCKPORT STATE RD FMR Lab Number: L1804333

**Project Number:** 2161270.031 **Report Date:** 02/09/18

#### Sample Receipt and Container Information

Were project specific reporting limits specified?

**Cooler Information** 

Cooler Custody Seal

A Absent

Container Info	ormation		Initial	Final	Temp			Frozen	
Container ID	Container Type	Cooler	pН	pН	deg C	Pres	Seal	Date/Time	Analysis(*)
L1804333-01A	Glass 250ml/8oz unpreserved	Α	NA		2.7	Υ	Absent		HOLD-8151(14),TCN-4500(14),TS(7)
L1804333-02A	Glass 250ml/8oz unpreserved	Α	NA		2.7	Υ	Absent		HOLD-8151(14),TCN-4500(14),TS(7)



Project Name:NYSEG LOCKPORT STATE RD FMRLab Number:L1804333Project Number:2161270.031Report Date:02/09/18

#### **GLOSSARY**

#### **Acronyms**

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated

values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis

of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes.

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

adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for

which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL

includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less

precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the

values; although the RPD value will be provided in the report.

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

associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound

list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

#### **Footnotes**

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

#### Terms

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

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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

#### Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers



Project Name:NYSEG LOCKPORT STATE RD FMRLab Number:L1804333Project Number:2161270.031Report Date:02/09/18

#### Data Qualifiers

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

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

Report Format: DU Report with 'J' Qualifiers



Serial\_No:02091820:33

Project Name:NYSEG LOCKPORT STATE RD FMRLab Number:L1804333Project Number:2161270.031Report Date:02/09/18

#### **REFERENCES**

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

#### **LIMITATION OF LIABILITIES**

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

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



Serial\_No:02091820:33

Alpha Analytical, Inc. Facility: Company-wide

Department: Quality Assurance

Title: Certificate/Approval Program Summary

ID No.:17873 Revision 11 Page 1 of 1

Published Date: 1/8/2018 4:15:49 PM

#### Certification Information

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

#### Westborough Facility

EPA 624: m/p-xylene, o-xylene

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

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

EPA 300: DW: Bromide EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

#### **Mansfield Facility**

**SM 2540D: TSS** 

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

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

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

#### The following analytes are included in our Massachusetts DEP Scope of Accreditation

#### Westborough Facility:

#### **Drinking Water**

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

#### Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, EPA 351.1, SM4500P-B, E, E, EPA 351.1, SM4500P-B, E, EPA 351.1, SM4500P-B, E, EPA 351.1, SM4500P-B, E, EPA 351.1, SM4500P-B, EPA 351.1, SM450P-B, EPA 351.1, SM4 SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D. EPA 624: Volatile Halocarbons & Aromatics,

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

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

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.

#### **Mansfield Facility:**

#### **Drinking Water**

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. EPA 522.

#### Non-Potable Water

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

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

Pre-Qualtrax Document ID: 08-113 Document Type: Form

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#### ANALYTICAL REPORT

Lab Number: L1746621

Client: LaBella Associates, P.C.

300 State Street

Suite 201

Rochester, NY 14614

ATTN: Christie Sobol Phone: (585) 454-6110

Project Name: NYSEG LOCKPORT STATE RD. FMR

Project Number: 2161270.031 Report Date: 12/21/17

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number:

L1746621

Report Date:

12/21/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1746621-01	TRENCH SPOILS-1	SOIL	LOCKPORT, NY	12/18/17 14:30	12/18/17



Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

**Project Number:** 2161270.031 **Report Date:** 12/21/17

#### **Case Narrative**

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

#### HOLD POLICY

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

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



Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

**Project Number:** 2161270.031 **Report Date:** 12/21/17

#### **Case Narrative (continued)**

Report Submission

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

**Total Metals** 

L1746621-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Senstrom Kelly Stenstrom

Authorized Signature:

Title: Technical Director/Representative Date: 12/21/17

### **ORGANICS**



### **VOLATILES**



12/21/17

Report Date:

Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

**Project Number:** 2161270.031

SAMPLE RESULTS

Lab ID: Date Collected: 12/18/17 14:30

Client ID: TRENCH SPOILS-1 Date Received: 12/18/17
Sample Location: LOCKPORT, NY Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/21/17 08:48

Analyst: MM Percent Solids: 88%

TCLP/SPLP Ext. Date: 12/20/17 14:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
TCLP Volatiles by EPA 1311 - Westl	oorough Lab						
Chloroform	ND		ug/l	7.5	2.2	10	
Carbon tetrachloride	ND		ug/l	5.0	1.3	10	
Tetrachloroethene	ND		ug/l	5.0	1.8	10	
Chlorobenzene	ND		ug/l	5.0	1.8	10	
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10	
Benzene	ND		ug/l	5.0	1.6	10	
Vinyl chloride	ND		ug/l	10	0.71	10	
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10	
Trichloroethene	ND		ug/l	5.0	1.8	10	
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10	
2-Butanone	ND		ug/l	50	19.	10	

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	105	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	111	70-130	
dibromofluoromethane	106	70-130	



L1746621

12/21/17

Project Name: NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

**SAMPLE RESULTS** 

Date Collected: 12/18/17 14:30

Lab Number:

Report Date:

Date Received: 12/18/17
Field Prep: Not Specified

Lab ID: L1746621-01
Client ID: TRENCH SPOILS-1
Sample Location: LOCKPORT, NY

Matrix: Soil Analytical Method: 1,8260C

Analyst: 12/19/17 15:30
Analyst: IC

Analyst: JC Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westbo	rough Lab					
Methylene chloride	ND		ug/kg	8.4	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.22	1
Chloroform	ND		ug/kg	1.2	0.31	1
Carbon tetrachloride	ND		ug/kg	0.84	0.29	1
1,2-Dichloropropane	ND		ug/kg	2.9	0.19	1
Dibromochloromethane	ND		ug/kg	0.84	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.26	1
Tetrachloroethene	0.37	J	ug/kg	0.84	0.25	1
Chlorobenzene	ND		ug/kg	0.84	0.29	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.35	1
1,2-Dichloroethane	ND		ug/kg	0.84	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	0.84	0.29	1
Bromodichloromethane	ND		ug/kg	0.84	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	0.84	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	0.84	0.19	1
Bromoform	ND		ug/kg	3.3	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.84	0.25	1
Benzene	ND		ug/kg	0.84	0.16	1
Toluene	ND		ug/kg	1.2	0.16	1
Ethylbenzene	ND		ug/kg	0.84	0.14	1
Chloromethane	ND		ug/kg	4.2	0.36	1
Bromomethane	ND		ug/kg	1.7	0.28	1
Vinyl chloride	ND		ug/kg	1.7	0.26	1
Chloroethane	ND		ug/kg	1.7	0.26	1
1,1-Dichloroethene	ND		ug/kg	0.84	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
Trichloroethene	ND		ug/kg	0.84	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	4.2	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	0.15	1



12/21/17

Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

**Project Number:** 2161270.031

L1746621-01

Lab ID:

**SAMPLE RESULTS** 

Date Collected: 12/18/17 14:30

Report Date:

Client ID: TRENCH SPOILS-1 Date Received: 12/18/17
Sample Location: LOCKPORT, NY Field Prep: Not Specified

·					•	
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Wes	tborough Lab					
Methyl tert butyl ether	ND		ug/kg	1.7	0.13	1
p/m-Xylene	ND		ug/kg	1.7	0.29	1
o-Xylene	ND		ug/kg	1.7	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.84	0.28	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	8.4	0.42	1
Acetone	ND		ug/kg	8.4	1.9	1
Carbon disulfide	ND		ug/kg	8.4	0.92	1
2-Butanone	ND		ug/kg	8.4	0.58	1
4-Methyl-2-pentanone	ND		ug/kg	8.4	0.20	1
2-Hexanone	ND		ug/kg	8.4	0.56	1
1,2-Dibromoethane	ND		ug/kg	3.3	0.17	1
n-Butylbenzene	ND		ug/kg	0.84	0.19	1
sec-Butylbenzene	ND		ug/kg	0.84	0.18	1
tert-Butylbenzene	ND		ug/kg	4.2	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	0.33	1
Isopropylbenzene	ND		ug/kg	0.84	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.84	0.17	1
Naphthalene	1.6	J	ug/kg	4.2	0.12	1
n-Propylbenzene	ND		ug/kg	0.84	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	0.16	1
Methyl Acetate	ND		ug/kg	17	0.39	1
Cyclohexane	ND		ug/kg	17	0.36	1
Freon-113	ND		ug/kg	17	0.43	1
Methyl cyclohexane	ND		ug/kg	3.3	0.20	1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	96	70-130	
4-Bromofluorobenzene	104	70-130	
Dibromofluoromethane	103	70-130	



Lab Number:

Report Date:

Project Name: NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

ysis

L1746621

12/21/17

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C Analytical Date: 12/19/17 08:17

Analyst: JC

Parameter	Result	Qualifier	Units		RL	MDL
olatile Organics by 8260/5035 -	Westborough	Lab for sar	mple(s):	01	Batch:	WG1074397-5
Methylene chloride	ND		ug/kg		10	1.6
1,1-Dichloroethane	ND		ug/kg		1.5	0.27
Chloroform	ND		ug/kg		1.5	0.37
Carbon tetrachloride	ND		ug/kg		1.0	0.34
1,2-Dichloropropane	ND		ug/kg		3.5	0.23
Dibromochloromethane	ND		ug/kg		1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg		1.5	0.31
Tetrachloroethene	ND		ug/kg		1.0	0.30
Chlorobenzene	ND		ug/kg		1.0	0.35
Trichlorofluoromethane	ND		ug/kg		5.0	0.42
1,2-Dichloroethane	ND		ug/kg		1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg		1.0	0.35
Bromodichloromethane	ND		ug/kg		1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg		1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg		1.0	0.23
Bromoform	ND		ug/kg		4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg		1.0	0.30
Benzene	ND		ug/kg		1.0	0.19
Toluene	ND		ug/kg		1.5	0.20
Ethylbenzene	ND		ug/kg		1.0	0.17
Chloromethane	ND		ug/kg		5.0	0.44
Bromomethane	0.43	J	ug/kg		2.0	0.34
Vinyl chloride	ND		ug/kg		2.0	0.32
Chloroethane	ND		ug/kg		2.0	0.32
1,1-Dichloroethene	ND		ug/kg		1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg		1.5	0.24
Trichloroethene	ND		ug/kg		1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg		5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg		5.0	0.22



**Project Name:** NYSEG LOCKPORT STATE RD. FMR **Lab Number:** L1746621

**Project Number:** 2161270.031 **Report Date:** 12/21/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C Analytical Date: 12/19/17 08:17

Analyst: JC

A-Dichlorobenzene   ND	Parameter	Result	Qualifier	Units		RL	MDL
Methyl tert butyl ether         ND         ug/kg         2.0         0.15           p/m-Xylene         ND         ug/kg         2.0         0.35           o-Xylene         ND         ug/kg         2.0         0.34           cis-1,2-Dichloroethene         ND         ug/kg         1.0         0.34           Styrene         ND         ug/kg         1.0         0.50           Acetone         ND         ug/kg         10         0.60           4-Methyl-2-pentanone         ND         ug/kg         10         0.69           4-Methyl-2-pentanone         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         1.0         0.22           t	/olatile Organics by 8260/5035	- Westborough	Lab for sa	mple(s):	01	Batch:	WG1074397-5
p/m-Xylene         ND         ug/kg         2.0         0.35           o-Xylene         ND         ug/kg         2.0         0.34           cis-1,2-Dichloroethene         ND         ug/kg         1.0         0.34           Styrene         ND         ug/kg         1.0         0.34           Styrene         ND         ug/kg         1.0         0.50           Acetone         ND         ug/kg         10         0.50           Acetone         ND         ug/kg         10         2.3           Carbon disulfide         ND         ug/kg         10         1.1           2-Butanone         ND         ug/kg         10         0.69           4-Methyl-2-pentanone         ND         ug/kg         10         0.69           4-Methyl-2-pentanone         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         1.0         0.23           sec-Butylbenzene         ND         ug/kg         1.0         0.22           tert-Butylbenzene         ND         ug/kg         5.0         0.46 <tr< td=""><td>1,4-Dichlorobenzene</td><td>ND</td><td></td><td>ug/kg</td><td></td><td>5.0</td><td>0.18</td></tr<>	1,4-Dichlorobenzene	ND		ug/kg		5.0	0.18
o-Xylene         ND         ug/kg         2.0         0.34           cis-1,2-Dichloroethene         ND         ug/kg         1.0         0.34           Styrene         ND         ug/kg         2.0         0.40           Dichlorodifluoromethane         ND         ug/kg         10         0.50           Acetone         ND         ug/kg         10         2.3           Carbon disulfide         ND         ug/kg         10         1.1           2-Butanone         ND         ug/kg         10         0.69           4-Methyl-2-pentanone         ND         ug/kg         10         0.24           2-Hexanone         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         4.0         0.20           n-Butylbenzene         ND         ug/kg         1.0         0.23           sec-Butylbenzene         ND         ug/kg         1.0         0.22           tert-Butylbenzene         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         5.0         0.14 <td>Methyl tert butyl ether</td> <td>ND</td> <td></td> <td>ug/kg</td> <td></td> <td>2.0</td> <td>0.15</td>	Methyl tert butyl ether	ND		ug/kg		2.0	0.15
cis-1,2-Dichloroethene         ND         ug/kg         1.0         0.34           Styrene         ND         ug/kg         2.0         0.40           Dichlorodifluoromethane         ND         ug/kg         10         0.50           Acetone         ND         ug/kg         10         2.3           Carbon disulfide         ND         ug/kg         10         1.1           2-Butanone         ND         ug/kg         10         0.69           4-Methyl-2-pentanone         ND         ug/kg         10         0.69           4-Methyl-2-pentanone         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         1.0         0.20           n-Butylbenzene         ND         ug/kg         1.0         0.23           sec-Butylbenzene         ND         ug/kg         5.0         0.25           tert-Butylbenzene         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         5.0	p/m-Xylene	ND		ug/kg		2.0	0.35
Styrene         ND         ug/kg         2.0         0.40           Dichlorodifluoromethane         ND         ug/kg         10         0.50           Acetone         ND         ug/kg         10         2.3           Carbon disulfide         ND         ug/kg         10         1.1           2-Butanone         ND         ug/kg         10         0.69           4-Methyl-2-pentanone         ND         ug/kg         10         0.24           2-Hexanone         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         4.0         0.20           n-Butylbenzene         ND         ug/kg         1.0         0.23           sec-Butylbenzene         ND         ug/kg         5.0         0.25           1,2-Dibromo-3-chloropropane         ND         ug/kg         5.0         0.25           1,2-Dibromo-3-chloropropane         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         5.0 <td>o-Xylene</td> <td>ND</td> <td></td> <td>ug/kg</td> <td></td> <td>2.0</td> <td>0.34</td>	o-Xylene	ND		ug/kg		2.0	0.34
Dichlorodifiluoromethane         ND         ug/kg         10         0.50           Acetone         ND         ug/kg         10         2.3           Carbon disulfide         ND         ug/kg         10         1.1           2-Butanone         ND         ug/kg         10         0.69           4-Methyl-2-pentanone         ND         ug/kg         10         0.24           2-Hexanone         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         4.0         0.20           n-Butylbenzene         ND         ug/kg         1.0         0.23           sec-Butylbenzene         ND         ug/kg         1.0         0.22           tert-Butylbenzene         ND         ug/kg         5.0         0.25           1,2-Dibromo-3-chloropropane         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         1.0         0.20           Naphthalene         0.42         J         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg	cis-1,2-Dichloroethene	ND		ug/kg		1.0	0.34
Acetone         ND         ug/kg         10         2.3           Carbon disulfide         ND         ug/kg         10         1.1           2-Butanone         ND         ug/kg         10         0.69           4-Methyl-2-pentanone         ND         ug/kg         10         0.24           2-Hexanone         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         4.0         0.20           n-Butylbenzene         ND         ug/kg         1.0         0.23           sec-Butylbenzene         ND         ug/kg         5.0         0.25           1,2-Dibromo-3-chloropropane         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         1.0         0.20           Naphthalene         0.42         J         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         5.0         0.12           1,2,4-Trichlorobenzene         ND         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24         J	Styrene	ND		ug/kg		2.0	0.40
Carbon disulfide         ND         ug/kg         10         1.1           2-Butanone         ND         ug/kg         10         0.69           4-Methyl-2-pentanone         ND         ug/kg         10         0.24           2-Hexanone         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         4.0         0.20           n-Butylbenzene         ND         ug/kg         1.0         0.23           sec-Butylbenzene         ND         ug/kg         1.0         0.22           tert-Butylbenzene         ND         ug/kg         5.0         0.25           1,2-Dibromo-3-chloropropane         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         1.0         0.19           p-Isopropyltoluene         ND         ug/kg         1.0         0.20           Naphthalene         0.42         J         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         5.0         0.22           1,2,4-Trichlorobenzene         ND         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24	Dichlorodifluoromethane	ND		ug/kg		10	0.50
2-Butanone         ND         ug/kg         10         0.69           4-Methyl-2-pentanone         ND         ug/kg         10         0.24           2-Hexanone         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         4.0         0.20           n-Butylbenzene         ND         ug/kg         1.0         0.23           sec-Butylbenzene         ND         ug/kg         1.0         0.22           tert-Butylbenzene         ND         ug/kg         5.0         0.25           1,2-Dibromo-3-chloropropane         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         1.0         0.19           p-Isopropyltoluene         ND         ug/kg         1.0         0.20           Naphthalene         0.42         J         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         5.0         0.16           1,2,4-Trichlorobenzene         ND         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24	Acetone	ND		ug/kg		10	2.3
4-Methyl-2-pentanone         ND         ug/kg         10         0.24           2-Hexanone         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         4.0         0.20           n-Butylbenzene         ND         ug/kg         1.0         0.23           sec-Butylbenzene         ND         ug/kg         1.0         0.22           tert-Butylbenzene         ND         ug/kg         5.0         0.25           1,2-Dibromo-3-chloropropane         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         1.0         0.19           p-Isopropyltoluene         ND         ug/kg         1.0         0.20           Naphthalene         0.42         J         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         5.0         0.22           1,2,4-Trichlorobenzene         ND         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24         J         ug/kg         5.0         0.16           1,2,4-Trimethylbenzen	Carbon disulfide	ND		ug/kg		10	1.1
2-Hexanone         ND         ug/kg         10         0.67           1,2-Dibromoethane         ND         ug/kg         4.0         0.20           n-Butylbenzene         ND         ug/kg         1.0         0.23           sec-Butylbenzene         ND         ug/kg         1.0         0.22           tert-Butylbenzene         ND         ug/kg         5.0         0.25           1,2-Dibromo-3-chloropropane         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         1.0         0.19           p-Isopropyltoluene         ND         ug/kg         1.0         0.20           Naphthalene         0.42         J         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         5.0         0.22           1,2,4-Trichlorobenzene         ND         ug/kg         5.0         0.22           1,3,5-Trimethylbenzene         0.20         J         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24         J         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         ND         ug/kg         20         0.46	2-Butanone	ND		ug/kg		10	0.69
1,2-Dibromoethane         ND         ug/kg         4.0         0.20           n-Butylbenzene         ND         ug/kg         1.0         0.23           sec-Butylbenzene         ND         ug/kg         1.0         0.22           tert-Butylbenzene         ND         ug/kg         5.0         0.25           1,2-Dibromo-3-chloropropane         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         1.0         0.19           p-Isopropyltoluene         ND         ug/kg         1.0         0.20           Naphthalene         0.42         J         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         5.0         0.22           1,2,4-Trichlorobenzene         ND         ug/kg         5.0         0.22           1,3,5-Trimethylbenzene         0.20         J         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24         J         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24         J         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24         J         ug/kg         <	4-Methyl-2-pentanone	ND		ug/kg		10	0.24
n-Butylbenzene         ND         ug/kg         1.0         0.23           sec-Butylbenzene         ND         ug/kg         1.0         0.22           tert-Butylbenzene         ND         ug/kg         5.0         0.25           1,2-Dibromo-3-chloropropane         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         1.0         0.19           p-Isopropyltoluene         ND         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         5.0         0.22           1,2,4-Trichlorobenzene         ND         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24         J         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24         J         ug/kg         5.0         0.19           Methyl Acetate         ND         ug/kg         20         0.46           Cyclohexane         ND         ug/kg         20         0.43           Freon-113         ND         ug/kg         20         0.51	2-Hexanone	ND		ug/kg		10	0.67
sec-Butylbenzene         ND         ug/kg         1.0         0.22           tert-Butylbenzene         ND         ug/kg         5.0         0.25           1,2-Dibromo-3-chloropropane         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         1.0         0.19           p-Isopropyltoluene         ND         ug/kg         1.0         0.20           Naphthalene         0.42         J         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         1.0         0.22           1,2,4-Trichlorobenzene         ND         ug/kg         5.0         0.22           1,3,5-Trimethylbenzene         0.20         J         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24         J         ug/kg         5.0         0.19           Methyl Acetate         ND         ug/kg         20         0.46           Cyclohexane         ND         ug/kg         20         0.43           Freon-113         ND         ug/kg         20         0.51	1,2-Dibromoethane	ND		ug/kg		4.0	0.20
tert-Butylbenzene ND ug/kg 5.0 0.25  1,2-Dibromo-3-chloropropane ND ug/kg 5.0 0.40  Isopropylbenzene ND ug/kg 1.0 0.19  p-Isopropyltoluene ND ug/kg 1.0 0.20  Naphthalene 0.42 J ug/kg 5.0 0.14  n-Propylbenzene ND ug/kg 1.0 0.22  1,2,4-Trichlorobenzene ND ug/kg 1.0 0.22  1,3,5-Trimethylbenzene ND ug/kg 5.0 0.16  1,2,4-Trimethylbenzene 0.20 J ug/kg 5.0 0.16  1,2,4-Trimethylbenzene ND ug/kg 5.0 0.19  Methyl Acetate ND ug/kg 20 0.46  Cyclohexane ND ug/kg 20 0.43  Freon-113 ND ug/kg 20 0.51	n-Butylbenzene	ND		ug/kg		1.0	0.23
1,2-Dibromo-3-chloropropane         ND         ug/kg         5.0         0.40           Isopropylbenzene         ND         ug/kg         1.0         0.19           p-Isopropyltoluene         ND         ug/kg         1.0         0.20           Naphthalene         0.42         J         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         1.0         0.22           1,2,4-Trichlorobenzene         ND         ug/kg         5.0         0.22           1,3,5-Trimethylbenzene         0.20         J         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24         J         ug/kg         5.0         0.19           Methyl Acetate         ND         ug/kg         20         0.46           Cyclohexane         ND         ug/kg         20         0.43           Freon-113         ND         ug/kg         20         0.51	sec-Butylbenzene	ND		ug/kg		1.0	0.22
Sopropylbenzene   ND   ug/kg   1.0   0.19	tert-Butylbenzene	ND		ug/kg		5.0	0.25
p-Isopropyltoluene         ND         ug/kg         1.0         0.20           Naphthalene         0.42         J         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         1.0         0.22           1,2,4-Trichlorobenzene         ND         ug/kg         5.0         0.22           1,3,5-Trimethylbenzene         0.20         J         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24         J         ug/kg         5.0         0.19           Methyl Acetate         ND         ug/kg         20         0.46           Cyclohexane         ND         ug/kg         20         0.43           Freon-113         ND         ug/kg         20         0.51	1,2-Dibromo-3-chloropropane	ND		ug/kg		5.0	0.40
Naphthalene         0.42         J         ug/kg         5.0         0.14           n-Propylbenzene         ND         ug/kg         1.0         0.22           1,2,4-Trichlorobenzene         ND         ug/kg         5.0         0.22           1,3,5-Trimethylbenzene         0.20         J         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24         J         ug/kg         5.0         0.19           Methyl Acetate         ND         ug/kg         20         0.46           Cyclohexane         ND         ug/kg         20         0.43           Freon-113         ND         ug/kg         20         0.51	Isopropylbenzene	ND		ug/kg		1.0	0.19
n-Propylbenzene         ND         ug/kg         1.0         0.22           1,2,4-Trichlorobenzene         ND         ug/kg         5.0         0.22           1,3,5-Trimethylbenzene         0.20         J         ug/kg         5.0         0.16           1,2,4-Trimethylbenzene         0.24         J         ug/kg         5.0         0.19           Methyl Acetate         ND         ug/kg         20         0.46           Cyclohexane         ND         ug/kg         20         0.43           Freon-113         ND         ug/kg         20         0.51	p-Isopropyltoluene	ND		ug/kg		1.0	0.20
1,2,4-Trichlorobenzene       ND       ug/kg       5.0       0.22         1,3,5-Trimethylbenzene       0.20       J       ug/kg       5.0       0.16         1,2,4-Trimethylbenzene       0.24       J       ug/kg       5.0       0.19         Methyl Acetate       ND       ug/kg       20       0.46         Cyclohexane       ND       ug/kg       20       0.43         Freon-113       ND       ug/kg       20       0.51	Naphthalene	0.42	J	ug/kg		5.0	0.14
1,3,5-Trimethylbenzene       0.20       J       ug/kg       5.0       0.16         1,2,4-Trimethylbenzene       0.24       J       ug/kg       5.0       0.19         Methyl Acetate       ND       ug/kg       20       0.46         Cyclohexane       ND       ug/kg       20       0.43         Freon-113       ND       ug/kg       20       0.51	n-Propylbenzene	ND		ug/kg		1.0	0.22
1,2,4-Trimethylbenzene       0.24       J       ug/kg       5.0       0.19         Methyl Acetate       ND       ug/kg       20       0.46         Cyclohexane       ND       ug/kg       20       0.43         Freon-113       ND       ug/kg       20       0.51	1,2,4-Trichlorobenzene	ND		ug/kg		5.0	0.22
Methyl Acetate         ND         ug/kg         20         0.46           Cyclohexane         ND         ug/kg         20         0.43           Freon-113         ND         ug/kg         20         0.51	1,3,5-Trimethylbenzene	0.20	J	ug/kg		5.0	0.16
Cyclohexane         ND         ug/kg         20         0.43           Freon-113         ND         ug/kg         20         0.51	1,2,4-Trimethylbenzene	0.24	J	ug/kg		5.0	0.19
Freon-113 ND ug/kg 20 0.51	Methyl Acetate	ND		ug/kg		20	0.46
	Cyclohexane	ND		ug/kg		20	0.43
Methyl cyclohexane ND ug/kg 4.0 0.24	Freon-113	ND		ug/kg		20	0.51
	Methyl cyclohexane	ND		ug/kg		4.0	0.24



L1746621

Lab Number:

**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031 **Report Date:** 12/21/17

**Method Blank Analysis** 

**Batch Quality Control** 

Analytical Method: 1,8260C Analytical Date: 12/19/17 08:17

Analyst: JC

Parameter	Result	Qualifier	Units		RL	MDL	
Volatile Organics by 8260/5035 -	Westboroual	h Lab for sai	mple(s):	01	Batch:	WG1074397-5	

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

		Acceptance	
Surrogate	%Recovery Quali	ifier Criteria	
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	96	70-130	
4-Bromofluorobenzene	103	70-130	
Dibromofluoromethane	100	70-130	



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031 Lab Number:

L1746621

Report Date:

12/21/17

### Method Blank Analysis Batch Quality Control

Analytical Method:

1,8260C

Analytical Date:

12/21/17 08:17

Extraction Date:

12/20/17 14:30

Analyst:	MIM
TCLP/SPLP Extraction Date:	12/20/17 14:30

Parameter	Result	Qualifier Units	RL	MDL
TCLP Volatiles by EPA 1311 - West	borough Lab	for sample(s): 01	Batch:	WG1075367-5
Chloroform	ND	ug/l	7.5	2.2
Carbon tetrachloride	ND	ug/l	5.0	1.3
Tetrachloroethene	ND	ug/l	5.0	1.8
Chlorobenzene	ND	ug/l	5.0	1.8
1,2-Dichloroethane	ND	ug/l	5.0	1.3
Benzene	ND	ug/l	5.0	1.6
Vinyl chloride	ND	ug/l	10	0.71
1,1-Dichloroethene	ND	ug/l	5.0	1.7
Trichloroethene	ND	ug/l	5.0	1.8
1,4-Dichlorobenzene	ND	ug/l	25	1.9
2-Butanone	ND	ug/l	50	19.

		Acceptance			
Surrogate	%Recovery Qua	alifier Criteria			
1,2-Dichloroethane-d4	102	70-130			
Toluene-d8	101	70-130			
4-Bromofluorobenzene	113	70-130			
dibromofluoromethane	103	70-130			



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

Parameter	LCS %Recovery	Qual	LCSD %Recovery	%Recovery Qual Limits	RPD	RPD Qual Limits
Volatile Organics by 8260/5035 - Westborou	igh Lab Associa	ted sample(s):	01 Batch: We	G1074397-3 WG1074397-4		
Methylene chloride	81		81	70-130	0	30
1,1-Dichloroethane	110		110	70-130	0	30
Chloroform	100		99	70-130	1	30
Carbon tetrachloride	101		100	70-130	1	30
1,2-Dichloropropane	115		115	70-130	0	30
Dibromochloromethane	91		93	70-130	2	30
1,1,2-Trichloroethane	91		94	70-130	3	30
Tetrachloroethene	87		86	70-130	1	30
Chlorobenzene	87		87	70-130	0	30
Trichlorofluoromethane	90		87	70-139	3	30
1,2-Dichloroethane	111		115	70-130	4	30
1,1,1-Trichloroethane	99		99	70-130	0	30
Bromodichloromethane	100		102	70-130	2	30
trans-1,3-Dichloropropene	96		99	70-130	3	30
cis-1,3-Dichloropropene	108		109	70-130	1	30
Bromoform	86		90	70-130	5	30
1,1,2,2-Tetrachloroethane	80		85	70-130	6	30
Benzene	97		97	70-130	0	30
Toluene	83		81	70-130	2	30
Ethylbenzene	85		84	70-130	1	30
Chloromethane	106		102	52-130	4	30
Bromomethane	108		104	57-147	4	30
Vinyl chloride	90		87	67-130	3	30



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD Qual Limits
/olatile Organics by 8260/5035 - Westbo	orough Lab Associat	ed sample(s):	01 Batch:	WG1074397-3	WG1074397-4		
Chloroethane	102		98		50-151	4	30
1,1-Dichloroethene	94		92		65-135	2	30
trans-1,2-Dichloroethene	97		96		70-130	1	30
Trichloroethene	98		97		70-130	1	30
1,2-Dichlorobenzene	81		81		70-130	0	30
1,3-Dichlorobenzene	81		80		70-130	1	30
1,4-Dichlorobenzene	81		81		70-130	0	30
Methyl tert butyl ether	108		112		66-130	4	30
p/m-Xylene	87		86		70-130	1	30
o-Xylene	90		90		70-130	0	30
cis-1,2-Dichloroethene	100		101		70-130	1	30
Styrene	86		86		70-130	0	30
Dichlorodifluoromethane	77		75		30-146	3	30
Acetone	119		129		54-140	8	30
Carbon disulfide	93		93		59-130	0	30
2-Butanone	103		123		70-130	18	30
4-Methyl-2-pentanone	96		105		70-130	9	30
2-Hexanone	96		104		70-130	8	30
1,2-Dibromoethane	88		93		70-130	6	30
n-Butylbenzene	77		76		70-130	1	30
sec-Butylbenzene	78		76		70-130	3	30
tert-Butylbenzene	78		77		70-130	1	30
1,2-Dibromo-3-chloropropane	78		86		68-130	10	30



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

Parameter	LCS %Recovery	Qual		LCSD Recovery		%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westboroug	h Lab Associa	ated sample(s):	01	Batch:	WG1074397-3	WG1074397-4			
Isopropylbenzene	80			78		70-130	3		30
p-Isopropyltoluene	79			77		70-130	3		30
Naphthalene	86			91		70-130	6		30
n-Propylbenzene	78			76		70-130	3		30
1,2,4-Trichlorobenzene	85			86		70-130	1		30
1,3,5-Trimethylbenzene	81			80		70-130	1		30
1,2,4-Trimethylbenzene	82			80		70-130	2		30
Methyl Acetate	122			133		51-146	9		30
Cyclohexane	115			114		59-142	1		30
Freon-113	95			92		50-139	3		30
Methyl cyclohexane	95			95		70-130	0		30

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qua	Acceptance   Criteria
1,2-Dichloroethane-d4	103	106	70-130
Toluene-d8	97	97	70-130
4-Bromofluorobenzene	104	103	70-130
Dibromofluoromethane	106	108	70-130



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

arameter	LCS %Recovery	Qual	LCSD %Recove		%Recovery Limits	RPD	Qual	RPD Limits	
CLP Volatiles by EPA 1311 - Westbor	ough Lab Associated	sample(s): 0	1 Batch:	WG1075367-3	WG1075367-4				
Chloroform	120		110		70-130	9		20	
Carbon tetrachloride	100		110		63-132	10		20	
Tetrachloroethene	110		110		70-130	0		20	
Chlorobenzene	110		100		75-130	10		25	
1,2-Dichloroethane	120		110		70-130	9		20	
Benzene	110		110		70-130	0		25	
Vinyl chloride	93		88		55-140	6		20	
1,1-Dichloroethene	120		120		61-145	0		25	
Trichloroethene	110		110		70-130	0		25	
1,4-Dichlorobenzene	100		100		70-130	0		20	
2-Butanone	110		84		63-138	27	Q	20	

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115	104	70-130
Toluene-d8	100	101	70-130
4-Bromofluorobenzene	101	101	70-130
dibromofluoromethane	111	106	70-130



### **SEMIVOLATILES**



L1746621

12/21/17

Project Name: NYSEG LOCKPORT STATE RD. FMR

L1746621-01

**Project Number:** 2161270.031

**SAMPLE RESULTS** 

Date Collected: 12/18/17 14:30

Lab Number:

Report Date:

Date Collected: 12/18/17 14:30

Date Received: 12/18/17

Field Prep: Not Specified

Extraction Method:EPA 3510C Extraction Date: 12/20/17 06:10

Client ID: TRENCH SPOILS-1
Sample Location: LOCKPORT, NY

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/20/17 15:36

Analyst: SZ Percent Solids: 88%

Lab ID:

TCLP/SPLP Ext. Date: 12/19/17 05:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor		
TCLP Semivolatiles by EPA 1311 - Westborough Lab								
Hexachlorobenzene	ND		ug/l	10	2.9	1		
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1		
Hexachlorobutadiene	ND		ug/l	10	3.6	1		
Hexachloroethane	ND		ug/l	10	3.4	1		
Nitrobenzene	ND		ug/l	10	3.8	1		
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1		
Pentachlorophenol	ND		ug/l	50	17.	1		
2-Methylphenol	ND		ug/l	25	5.1	1		
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1		
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1		
Pyridine	ND		ug/l	18	9.4	1		

Surrogate	% Recovery	Acceptance Qualifier Criteria	
2-Fluorophenol	73	21-120	
Phenol-d6	67	10-120	
Nitrobenzene-d5	81	23-120	
2-Fluorobiphenyl	80	15-120	
2,4,6-Tribromophenol	95	10-120	
4-Terphenyl-d14	84	33-120	



L1746621

12/21/17

**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

**SAMPLE RESULTS** 

Lab Number:

Report Date:

Lab ID: Date Collected: 12/18/17 14:30 L1746621-01

Date Received: Client ID: **TRENCH SPOILS-1** 12/18/17 LOCKPORT, NY Sample Location: Field Prep: Not Specified Extraction Method: EPA 3546

Matrix: Soil Extraction Date: 12/19/17 07:47 Analytical Method: 1,8270D Analytical Date: 12/20/17 07:22

Analyst: CB Percent Solids: 88%

Hexachlorobenzene   ND   Ug/kg   110   21.   1   1   2   2   2   1   1   2   2   3   3   3   2   2   3   3   3	Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Househiorobenzene   ND	Semivolatile Organics by GC/MS -	Westborough Lab					
Househiorobenzene   ND	Acenaphthene	150		ug/kg	150	19.	1
Bis(2-chloroaphthalene   ND	Hexachlorobenzene	ND			110	21.	1
2-Chloronaphthalene ND ug/kg 190 18. 1 3,3-Dichlorobenzidine ND ug/kg 190 50. 1 2,4-Dinitrotoluene ND ug/kg 190 37. 1 2,6-Dinitrotoluene ND ug/kg 190 37. 1 2,6-Dinitrotoluene ND ug/kg 190 32. 1 1	Bis(2-chloroethyl)ether	ND			170	25.	1
3,3 - Dichlorobenzidine         ND         ug/kg         190         50.         1           2,4 - Dinitrotoluene         ND         ug/kg         190         37.         1           2,6 - Dinitrotoluene         ND         ug/kg         190         32.         1           Fluoranthene         2900         ug/kg         110         21.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         190         28.         1           4-Bromophenyl phenyl ether         ND         ug/kg         190         28.         1           Bis(2-chlorosethoxy)methane         ND         ug/kg         200         19.         1           Hexachlorobutadiene         ND         ug/kg         190         27.         1           Hexachlorocyclopentadiene         ND         ug/kg         540         170         1           Hexachlorocyclopentadiene         ND         ug/kg         150         30.         1           Hexachlorocyclopentadiene         ND         ug/kg         150         30.         1           Hexachlorocyclopentadiene         ND         ug/kg         150         30.         1           Hexachlorocyclopentadiene         ND	2-Chloronaphthalene	ND			190	18.	1
2,4-Dinitrotoluene         ND         ug/kg         190         37.         1           2,6-Dinitrotoluene         ND         ug/kg         190         32.         1           Fluoranthene         2900         ug/kg         110         21.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         190         20.         1           4-Bromophenyl phenyl ether         ND         ug/kg         190         28.         1           Bis(2-chlorostroxymethane         ND         ug/kg         220         32.         1           Bis(2-chlorosthoxymethane         ND         ug/kg         190         27.         1           Hexachlorobutadiene         ND         ug/kg         190         27.         1           Hexachloroctyclopentadiene         ND         ug/kg         540         170         1           Hexachloroctyclopentadiene         ND         ug/kg         150         30.         1           Hexachloroctyclopentadiene         ND         ug/kg         150         30.         1           Hexachloroctyclopentadiene         ND         ug/kg         150         30.         1           Hexachloroctyclopentadiene         ND	3,3'-Dichlorobenzidine	ND			190	50.	1
2.6-Dinitrotoluene         ND         ug/kg         190         32.         1           Fluoranthene         2900         ug/kg         110         21.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         190         20.         1           4-Bromophenyl phenyl ether         ND         ug/kg         190         28.         1           Bis(2-chlorosporpyl) ether         ND         ug/kg         220         32.         1           Bis(2-chlorosporpyl) ether         ND         ug/kg         200         19.         1           Bis(2-chlorosporpyl) ether         ND         ug/kg         200         19.         1           Hexachlorosporphylethene         ND         ug/kg         190         27.         1           Hexachlorosporphylethene         ND         ug/kg         540         170         1           Hexachlorosporphylethene         ND         ug/kg         150         30.         1           Hexachlorosporphylethene         ND         ug/kg         170         24.         1           Isophorone         ND         ug/kg         170         28.         1           Nitrobenzel         ND         ug/kg	2,4-Dinitrotoluene	ND			190	37.	1
Pluoranthene   2900   ug/kg   110   21   1   1   4-Chlorophenyl phenyl ether   ND   ug/kg   190   20   1   1   4-Bromophenyl phenyl ether   ND   ug/kg   190   28   1   1   1   4-Bromophenyl phenyl ether   ND   ug/kg   220   32   1   1   1   1   1   1   1   1   1	2,6-Dinitrotoluene	ND			190	32.	1
4-Chlorophenyl phenyl ether ND ug/kg 190 20. 1 4-Bromophenyl phenyl ether ND ug/kg 190 28. 1 Bis(2-chloroisopropyl)ether ND ug/kg 220 32. 1 Bis(2-chloroisopropyl)ether ND ug/kg 200 19. 1 Hexachlorobutadiene ND ug/kg 190 27. 1 Hexachlorocyclopentadiene ND ug/kg 540 170 1 Hexachlorocyclopentadiene ND ug/kg 150 30. 1 Isophorone ND ug/kg 150 30. 1 Isophorone ND ug/kg 170 24. 1 Naphthalene 28 J ug/kg 190 23. 1 NDPA/DPA ND ug/kg 170 28. 1 NDPA/DPA ND ug/kg 170 28. 1 NDPA/IDPA ND ug/kg 170 28. 1 NDPA/IDPA ND ug/kg 170 28. 1 NDPA/IDPA ND ug/kg 150 21. 1 N-Nitrosoni-n-propylamine ND ug/kg 150 21. 1 N-Nitrosoni-n-propylamine ND ug/kg 190 29. 1 Bis(2-ethylihexyl)phthalate ND ug/kg 190 47. 1 Di-n-butyl benzyl phthalate ND ug/kg 190 47. 1 Di-n-butyl bhthalate ND ug/kg 190 35. 1 Di-n-butyl phthalate ND ug/kg 190 35. 1 Di-n-butyl phthalate ND ug/kg 190 39. 1	Fluoranthene	2900			110	21.	1
A-Bromophenyl phenyl ether   ND   Ug/kg   190   28.   1	4-Chlorophenyl phenyl ether	ND			190	20.	1
Bis (2-chloroisopropyl)ether         ND         ug/kg         220         32.         1           Bis (2-chloroethoxy) methane         ND         ug/kg         200         19.         1           Hexachlorobutadiene         ND         ug/kg         190         27.         1           Hexachlorocyclopentadiene         ND         ug/kg         540         170         1           Hexachloroethane         ND         ug/kg         150         30.         1           Hexachloroethane         ND         ug/kg         170         24.         1           Isophorone         ND         ug/kg         170         24.         1           Naphthalene         28         J         ug/kg         190         23.         1           NItrobenzene         ND         ug/kg         170         28.         1           NDPA/DPA         ND         ug/kg         150         21.         1           ND-n-Nitrosodi-n-propylamine         ND         ug/kg         190         65.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         190         47.         1           Di-n-butylphthalate         ND         ug/kg         190 </td <td>4-Bromophenyl phenyl ether</td> <td>ND</td> <td></td> <td></td> <td>190</td> <td>28.</td> <td>1</td>	4-Bromophenyl phenyl ether	ND			190	28.	1
Hexachlorobutadiene ND ug/kg 190 27. 1 Hexachlorocyclopentadiene ND ug/kg 540 170 1 Hexachlorocyclopentadiene ND ug/kg 150 30. 1 Isophorone ND ug/kg 170 24. 1 Naphthalene 28 Jug/kg 190 23. 1 Nitrobenzene ND ug/kg 170 28. 1 Nitrobenzene ND ug/kg 170 28. 1 NDPA/DPA ND ug/kg 150 21. 1 n-Nitrosodi-n-propylamine ND ug/kg 150 21. 1 n-Nitrosodi-n-propylamine ND ug/kg 190 29. 1 Bis(2-ethylhexyl)phthalate ND ug/kg 190 65. 1 Butyl benzyl phthalate ND ug/kg 190 65. 1 Di-n-butylphthalate ND ug/kg 190 35. 1 Di-n-octylphthalate ND ug/kg 190 35. 1 Di-n-octylphthalate ND ug/kg 190 64. 1 Di-n-butylphthalate ND ug/kg 190 64. 1 Di-n-butylphthalate ND ug/kg 190 64. 1 Dienbutyl phthalate ND ug/kg 190 39. 1 Benzo(a)anthracene 1600 ug/kg 190 39. 1 Benzo(a)pyrene 1600 ug/kg 150 46. 1 Benzo(b)fluoranthene 2000 ug/kg 150 46. 1	Bis(2-chloroisopropyl)ether	ND			220	32.	1
Hexachlorocyclopentadiene   ND	Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachloroethane   ND	Hexachlorobutadiene	ND		ug/kg	190	27.	1
Sophorone   ND   ug/kg   170   24.   1	Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Naphthalene         28         J         ug/kg         190         23.         1           Nitrobenzene         ND         ug/kg         170         28.         1           NDPA/DPA         ND         ug/kg         150         21.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         190         29.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         190         65.         1           Butyl benzyl phthalate         ND         ug/kg         190         47.         1           Di-n-butylphthalate         ND         ug/kg         190         35.         1           Di-n-cytylphthalate         ND         ug/kg         190         64.         1           Di-thyl phthalate         ND         ug/kg         190         17.         1           Dimethyl phthalate         ND         ug/kg         190         39.         1           Benzo(a)anthracene         1600         ug/kg         110         21.         1           Benzo(a)pyrene         1600         ug/kg         150         46.         1           Benzo(b)fluoranthene         2000         ug/kg         110	Hexachloroethane	ND		ug/kg	150	30.	1
Nitrobenzene         ND         ug/kg         170         28.         1           NDPA/DPA         ND         ug/kg         150         21.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         190         29.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         190         65.         1           Butyl benzyl phthalate         ND         ug/kg         190         47.         1           Di-n-butylphthalate         ND         ug/kg         190         35.         1           Di-n-octylphthalate         ND         ug/kg         190         64.         1           Diethyl phthalate         ND         ug/kg         190         17.         1           Dimethyl phthalate         ND         ug/kg         190         39.         1           Benzo(a)anthracene         1600         ug/kg         110         21.         1           Benzo(a)pyrene         1600         ug/kg         150         46.         1           Benzo(b)fluoranthene         2000         ug/kg         110         32.         1	Isophorone	ND		ug/kg	170	24.	1
NDPA/DPA         ND         ug/kg         150         21.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         190         29.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         190         65.         1           Butyl benzyl phthalate         ND         ug/kg         190         47.         1           Di-n-butylphthalate         ND         ug/kg         190         35.         1           Di-n-octylphthalate         ND         ug/kg         190         64.         1           Diethyl phthalate         ND         ug/kg         190         17.         1           Dimethyl phthalate         ND         ug/kg         190         39.         1           Benzo(a)anthracene         1600         ug/kg         110         21.         1           Benzo(a)pyrene         1600         ug/kg         150         46.         1           Benzo(b)fluoranthene         2000         ug/kg         110         32.         1	Naphthalene	28	J	ug/kg	190	23.	1
n-Nitrosodi-n-propylamine       ND       ug/kg       190       29.       1         Bis(2-ethylhexyl)phthalate       ND       ug/kg       190       65.       1         Butyl benzyl phthalate       ND       ug/kg       190       47.       1         Di-n-butylphthalate       ND       ug/kg       190       35.       1         Di-n-octylphthalate       ND       ug/kg       190       64.       1         Diethyl phthalate       ND       ug/kg       190       17.       1         Dimethyl phthalate       ND       ug/kg       190       39.       1         Benzo(a)anthracene       1600       ug/kg       110       21.       1         Benzo(a)pyrene       1600       ug/kg       150       46.       1         Benzo(b)fluoranthene       2000       ug/kg       110       32.       1	Nitrobenzene	ND		ug/kg	170	28.	1
Bis(2-ethylhexyl)phthalate ND ug/kg 190 65. 1  Butyl benzyl phthalate ND ug/kg 190 47. 1  Di-n-butylphthalate ND ug/kg 190 35. 1  Di-n-octylphthalate ND ug/kg 190 64. 1  Diethyl phthalate ND ug/kg 190 64. 1  Diethyl phthalate ND ug/kg 190 17. 1  Dimethyl phthalate ND ug/kg 190 39. 1  Benzo(a)anthracene 1600 ug/kg 110 21. 1  Benzo(a)pyrene 1600 ug/kg 150 46. 1  Benzo(b)fluoranthene 2000 ug/kg 110 32. 1	NDPA/DPA	ND		ug/kg	150	21.	1
Butyl benzyl phthalate ND ug/kg 190 47. 1  Di-n-butylphthalate ND ug/kg 190 35. 1  Di-n-octylphthalate ND ug/kg 190 64. 1  Diethyl phthalate ND ug/kg 190 77. 1  Diethyl phthalate ND ug/kg 190 39. 1  Dimethyl phthalate ND ug/kg 190 39. 1  Benzo(a)anthracene 1600 ug/kg 110 21. 1  Benzo(a)pyrene 1600 ug/kg 150 46. 1  Benzo(b)fluoranthene 2000 ug/kg 110 32. 1	n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Di-n-butylphthalate         ND         ug/kg         190         35.         1           Di-n-octylphthalate         ND         ug/kg         190         64.         1           Diethyl phthalate         ND         ug/kg         190         17.         1           Dimethyl phthalate         ND         ug/kg         190         39.         1           Benzo(a)anthracene         1600         ug/kg         110         21.         1           Benzo(a)pyrene         1600         ug/kg         150         46.         1           Benzo(b)fluoranthene         2000         ug/kg         110         32.         1	Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Di-n-octylphthalate         ND         ug/kg         190         64.         1           Diethyl phthalate         ND         ug/kg         190         17.         1           Dimethyl phthalate         ND         ug/kg         190         39.         1           Benzo(a)anthracene         1600         ug/kg         110         21.         1           Benzo(a)pyrene         1600         ug/kg         150         46.         1           Benzo(b)fluoranthene         2000         ug/kg         110         32.         1	Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Diethyl phthalate         ND         ug/kg         190         17.         1           Dimethyl phthalate         ND         ug/kg         190         39.         1           Benzo(a)anthracene         1600         ug/kg         110         21.         1           Benzo(a)pyrene         1600         ug/kg         150         46.         1           Benzo(b)fluoranthene         2000         ug/kg         110         32.         1	Di-n-butylphthalate	ND		ug/kg	190	35.	1
Dimethyl phthalate         ND         ug/kg         190         39.         1           Benzo(a)anthracene         1600         ug/kg         110         21.         1           Benzo(a)pyrene         1600         ug/kg         150         46.         1           Benzo(b)fluoranthene         2000         ug/kg         110         32.         1	Di-n-octylphthalate	ND		ug/kg	190	64.	1
Benzo(a)anthracene       1600       ug/kg       110       21.       1         Benzo(a)pyrene       1600       ug/kg       150       46.       1         Benzo(b)fluoranthene       2000       ug/kg       110       32.       1	Diethyl phthalate	ND		ug/kg	190	17.	1
Benzo(a)pyrene     1600     ug/kg     150     46.     1       Benzo(b)fluoranthene     2000     ug/kg     110     32.     1	Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(b)fluoranthene 2000 ug/kg 110 32. 1	Benzo(a)anthracene	1600		ug/kg	110	21.	1
-55	Benzo(a)pyrene	1600		ug/kg	150	46.	1
Benzo(k)fluoranthene 660 ug/kg 110 30. 1	Benzo(b)fluoranthene	2000		ug/kg	110	32.	1
The state of the s	Benzo(k)fluoranthene	660		ug/kg	110	30.	1



12/21/17

Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

Project Number: 2161270.031 Report Date:

**SAMPLE RESULTS** 

Lab ID: Date Collected: 12/18/17 14:30

Client ID: TRENCH SPOILS-1 Date Received: 12/18/17
Sample Location: LOCKPORT, NY Field Prep: Not Specified

Sample Location: LOCKPORT, N	Y			Field Pre	ep:	Not Specified	
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organics by GC/MS - We	estborough Lab						
Chrysene	1500		ug/kg	110	19.	1	
Acenaphthylene	180		ug/kg	150	29.	1	
Anthracene	600		ug/kg	110	36.	1	
Benzo(ghi)perylene	900		ug/kg	150	22.	1	
Fluorene	200		ug/kg	190	18.	1	
Phenanthrene	1800		ug/kg	110	23.	1	
Dibenzo(a,h)anthracene	260		ug/kg	110	22.	1	
Indeno(1,2,3-cd)pyrene	1000		ug/kg	150	26.	1	
Pyrene	2400		ug/kg	110	19.	1	
Biphenyl	ND		ug/kg	430	43.	1	
4-Chloroaniline	ND		ug/kg	190	34.	1	
2-Nitroaniline	ND		ug/kg	190	36.	1	
3-Nitroaniline	ND		ug/kg	190	35.	1	
4-Nitroaniline	ND		ug/kg	190	78.	1	
Dibenzofuran	97	J	ug/kg	190	18.	1	
2-Methylnaphthalene	59	J	ug/kg	220	23.	1	
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1	
Acetophenone	ND		ug/kg	190	23.	1	
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1	
p-Chloro-m-cresol	ND		ug/kg	190	28.	1	
2-Chlorophenol	ND		ug/kg	190	22.	1	
2,4-Dichlorophenol	ND		ug/kg	170	30.	1	
2,4-Dimethylphenol	ND		ug/kg	190	62.	1	
2-Nitrophenol	ND		ug/kg	400	70.	1	
4-Nitrophenol	ND		ug/kg	260	76.	1	
2,4-Dinitrophenol	ND		ug/kg	900	87.	1	
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1	
Pentachlorophenol	ND		ug/kg	150	41.	1	
Phenol	ND		ug/kg	190	28.	1	
2-Methylphenol	ND		ug/kg	190	29.	1	
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1	
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1	
Carbazole	93	J	ug/kg	190	18.	1	
Atrazine	ND		ug/kg	150	66.	1	
Benzaldehyde	ND		ug/kg	250	50.	1	
Caprolactam	ND		ug/kg	190	57.	1	
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1	



12/21/17

Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

**Project Number:** 2161270.031

SAMPLE RESULTS

Report Date:

Lab ID: Date Collected: 12/18/17 14:30

Client ID: TRENCH SPOILS-1 Date Received: 12/18/17
Sample Location: LOCKPORT, NY Field Prep: Not Specified

Parameter Result Qualifier Units RL MDL Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria
2-Fluorophenol	78	25-120
Phenol-d6	81	10-120
Nitrobenzene-d5	77	23-120
2-Fluorobiphenyl	71	30-120
2,4,6-Tribromophenol	80	10-136
4-Terphenyl-d14	54	18-120



Project Name: NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

**Lab Number:** L1746621 **Report Date:** 12/21/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D Analytical Date: 12/19/17 02:21

Analyst: SZ

Extraction Method: EPA 3546 Extraction Date: 12/18/17 12:23

arameter	Result	Qualifier	Units		RL	MDL	
Semivolatile Organics by GC/MS	- Westborough	Lab for s	ample(s):	01	Batch:	WG1073933-1	
Acenaphthene	ND		ug/kg		130	17.	
Hexachlorobenzene	ND		ug/kg		98	18.	
Bis(2-chloroethyl)ether	ND		ug/kg		150	22.	
2-Chloronaphthalene	ND		ug/kg		160	16.	
3,3'-Dichlorobenzidine	ND		ug/kg		160	43.	
2,4-Dinitrotoluene	ND		ug/kg		160	33.	
2,6-Dinitrotoluene	ND		ug/kg		160	28.	
Fluoranthene	ND		ug/kg		98	19.	
4-Chlorophenyl phenyl ether	ND		ug/kg		160	17.	
4-Bromophenyl phenyl ether	ND		ug/kg		160	25.	
Bis(2-chloroisopropyl)ether	ND		ug/kg		200	28.	
Bis(2-chloroethoxy)methane	ND		ug/kg		180	16.	
Hexachlorobutadiene	ND		ug/kg		160	24.	
Hexachlorocyclopentadiene	ND		ug/kg		470	150	
Hexachloroethane	ND		ug/kg		130	26.	
Isophorone	ND		ug/kg		150	21.	
Naphthalene	ND		ug/kg		160	20.	
Nitrobenzene	ND		ug/kg		150	24.	
NDPA/DPA	ND		ug/kg		130	19.	
n-Nitrosodi-n-propylamine	ND		ug/kg		160	25.	
Bis(2-ethylhexyl)phthalate	ND		ug/kg		160	56.	
Butyl benzyl phthalate	ND		ug/kg		160	41.	
Di-n-butylphthalate	ND		ug/kg		160	31.	
Di-n-octylphthalate	ND		ug/kg		160	56.	
Diethyl phthalate	ND		ug/kg		160	15.	
Dimethyl phthalate	ND		ug/kg		160	34.	
Benzo(a)anthracene	ND		ug/kg		98	18.	
Benzo(a)pyrene	ND		ug/kg		130	40.	
Benzo(b)fluoranthene	ND		ug/kg		98	28.	



L1746621

12/21/17

12/18/17 12:23

Lab Number:

Report Date:

**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Method Blank Analysis Batch Quality Control

Analytical Method: Extraction Method: EPA 3546 1,8270D Analytical Date: 12/19/17 02:21 Extraction Date:

Analyst: SZ

Parameter	Result	Qualifier	Units		RL	MDL	
Semivolatile Organics by GC/MS	- Westborough	Lab for s	ample(s):	01	Batch:	WG1073933-1	
Benzo(k)fluoranthene	ND		ug/kg		98	26.	
Chrysene	ND		ug/kg		98	17.	_
Acenaphthylene	ND		ug/kg		130	25.	
Anthracene	ND		ug/kg		98	32.	
Benzo(ghi)perylene	ND		ug/kg		130	19.	
Fluorene	ND		ug/kg		160	16.	
Phenanthrene	ND		ug/kg		98	20.	
Dibenzo(a,h)anthracene	ND		ug/kg		98	19.	
Indeno(1,2,3-cd)pyrene	ND		ug/kg		130	23.	
Pyrene	ND		ug/kg		98	16.	
Biphenyl	ND		ug/kg		370	38.	
4-Chloroaniline	ND		ug/kg		160	30.	
2-Nitroaniline	ND		ug/kg		160	32.	
3-Nitroaniline	ND		ug/kg		160	31.	
4-Nitroaniline	ND		ug/kg		160	68.	
Dibenzofuran	ND		ug/kg		160	15.	
2-Methylnaphthalene	ND		ug/kg		200	20.	
1,2,4,5-Tetrachlorobenzene	ND		ug/kg		160	17.	
Acetophenone	ND		ug/kg		160	20.	_
2,4,6-Trichlorophenol	ND		ug/kg		98	31.	
p-Chloro-m-cresol	ND		ug/kg		160	24.	
2-Chlorophenol	ND		ug/kg		160	19.	
2,4-Dichlorophenol	ND		ug/kg		150	26.	
2,4-Dimethylphenol	ND		ug/kg		160	54.	
2-Nitrophenol	ND		ug/kg		350	61.	
4-Nitrophenol	ND		ug/kg		230	67.	
2,4-Dinitrophenol	ND		ug/kg		780	76.	
4,6-Dinitro-o-cresol	ND		ug/kg		420	78.	
Pentachlorophenol	ND		ug/kg		130	36.	



Project Name: NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: Report Date: L1746621 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D Analytical Date: 12/19/17 02:21

Analyst: SZ

Extraction Method: EPA 3546

Extraction Date: 12/18/17 12:23

Parameter	Result	Qualifier	Units		RL	MDL	
Semivolatile Organics by GC/MS - V	Vestborough	Lab for s	ample(s):	01	Batch:	WG1073933-1	
Phenol	ND		ug/kg		160	25.	
2-Methylphenol	ND		ug/kg		160	25.	
3-Methylphenol/4-Methylphenol	ND		ug/kg		240	26.	
2,4,5-Trichlorophenol	ND		ug/kg		160	31.	
Carbazole	ND		ug/kg		160	16.	
Atrazine	ND		ug/kg		130	57.	
Benzaldehyde	ND		ug/kg		220	44.	
Caprolactam	ND		ug/kg		160	50.	
2,3,4,6-Tetrachlorophenol	ND		ug/kg		160	33.	

Tentatively Identified Compounds

No Tentatively Identified Compounds

ND

ug/kg

Surrogate	%Recovery	Acceptance Qualifier Criteria
2-Fluorophenol	83	25-120
Phenol-d6	79	10-120
Nitrobenzene-d5	77	23-120
2-Fluorobiphenyl	89	30-120
2,4,6-Tribromophenol	92	10-136
4-Terphenyl-d14	87	18-120



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031 Lab Number:

Report Date:

L1746621 12/21/17

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D Analytical Date: 12/20/17 13:53

Analyst: RC TCLP/SPLP Extraction Date: 12/19/17 05:45

Extraction Method: EPA 3510C 12/20/17 06:10 Extraction Date:

Result	Qualifier	Units	R	L	MDL	
Westboroug	gh Lab for	sample(s):	01	Batch:	WG1074	734-1
ND		ug/l	10	0	2.9	
ND		ug/l	2	5	4.2	
ND		ug/l	10	0	3.6	
ND		ug/l	10	0	3.4	
ND		ug/l	1	0	3.8	
ND		ug/l	2	5	3.4	
ND		ug/l	5	0	17.	
ND		ug/l	2	5	5.1	
ND		ug/l	2	5	5.6	
ND		ug/l	2	5	3.6	
ND		ug/l	18	8	9.4	
	ND N	Westborough Lab for s  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	Westborough Lab for sample(s):  ND ug/l  ND ug/l	ND         ug/l         1           ND         ug/l         2           ND         ug/l         1           ND         ug/l         1           ND         ug/l         1           ND         ug/l         1           ND         ug/l         2           ND         ug/l         5           ND         ug/l         2           ND         ug/l         2	Westborough Lab for sample(s): 01 Batch:           ND         ug/l         10           ND         ug/l         25           ND         ug/l         10           ND         ug/l         10           ND         ug/l         10           ND         ug/l         25           ND         ug/l         50           ND         ug/l         25           ND         ug/l         25	ND         ug/l         10         2.9           ND         ug/l         25         4.2           ND         ug/l         10         3.6           ND         ug/l         10         3.6           ND         ug/l         10         3.4           ND         ug/l         10         3.8           ND         ug/l         25         3.4           ND         ug/l         25         3.4           ND         ug/l         25         5.1           ND         ug/l         25         5.6           ND         ug/l         25         5.6           ND         ug/l         25         3.6

			Acceptance	
Surrogate	%Recovery	Qualifier	Criteria	
2-Fluorophenol	103		21-120	
Phenol-d6	96		10-120	
Nitrobenzene-d5	114		23-120	
2-Fluorobiphenyl	112		15-120	
2,4,6-Tribromophenol	134	Q	10-120	
4-Terphenyl-d14	113		33-120	



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD Limits
Semivolatile Organics by GC/MS - Westboro	ugh Lab Assoc	ated sample(s):	01 Batch:	WG1073933-2	2 WG1073933-3		
Acenaphthene	79		70		31-137	12	50
Hexachlorobenzene	87		72		40-140	19	50
Bis(2-chloroethyl)ether	66		65		40-140	2	50
2-Chloronaphthalene	82		76		40-140	8	50
3,3'-Dichlorobenzidine	63		48		40-140	27	50
2,4-Dinitrotoluene	95		80		40-132	17	50
2,6-Dinitrotoluene	96		85		40-140	12	50
Fluoranthene	90		75		40-140	18	50
4-Chlorophenyl phenyl ether	86		74		40-140	15	50
4-Bromophenyl phenyl ether	89		74		40-140	18	50
Bis(2-chloroisopropyl)ether	65		63		40-140	3	50
Bis(2-chloroethoxy)methane	71		69		40-117	3	50
Hexachlorobutadiene	80		77		40-140	4	50
Hexachlorocyclopentadiene	80		72		40-140	11	50
Hexachloroethane	65		66		40-140	2	50
Isophorone	73		69		40-140	6	50
Naphthalene	76		72		40-140	5	50
Nitrobenzene	74		68		40-140	8	50
NDPA/DPA	89		73		36-157	20	50
n-Nitrosodi-n-propylamine	74		70		32-121	6	50
Bis(2-ethylhexyl)phthalate	100		83		40-140	19	50
Butyl benzyl phthalate	97		79		40-140	20	50
Di-n-butylphthalate	94		78		40-140	19	50



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD Qual Limits
Semivolatile Organics by GC/MS - Westboro	ough Lab Assoc	iated sample(s):	01 Batch:	WG1073933-2	WG1073933-3		
Di-n-octylphthalate	95		78		40-140	20	50
Diethyl phthalate	87		71		40-140	20	50
Dimethyl phthalate	91		78		40-140	15	50
Benzo(a)anthracene	89		74		40-140	18	50
Benzo(a)pyrene	92		78		40-140	16	50
Benzo(b)fluoranthene	89		76		40-140	16	50
Benzo(k)fluoranthene	90		76		40-140	17	50
Chrysene	87		73		40-140	18	50
Acenaphthylene	85		78		40-140	9	50
Anthracene	90		74		40-140	20	50
Benzo(ghi)perylene	94		79		40-140	17	50
Fluorene	83		73		40-140	13	50
Phenanthrene	86		72		40-140	18	50
Dibenzo(a,h)anthracene	94		78		40-140	19	50
Indeno(1,2,3-cd)pyrene	96		81		40-140	17	50
Pyrene	88		72		35-142	20	50
Biphenyl	87		80		54-104	8	50
4-Chloroaniline	63		46		40-140	31	50
2-Nitroaniline	99		86		47-134	14	50
3-Nitroaniline	73		60		26-129	20	50
4-Nitroaniline	83		68		41-125	20	50
Dibenzofuran	82		72		40-140	13	50
2-Methylnaphthalene	77		72		40-140	7	50



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RF Qual Lin	
Semivolatile Organics by GC/MS - Westbor	ough Lab Assoc	ated sample(s)	: 01 Batch:	WG1073933-2	2 WG1073933-3			
1,2,4,5-Tetrachlorobenzene	86		80		40-117	7	5	0
Acetophenone	76		72		14-144	5	5	0
2,4,6-Trichlorophenol	92		80		30-130	14	5	0
p-Chloro-m-cresol	94		81		26-103	15	5	0
2-Chlorophenol	76		74		25-102	3	5	0
2,4-Dichlorophenol	83		77		30-130	8	5	0
2,4-Dimethylphenol	79		74		30-130	7	5	0
2-Nitrophenol	88		85		30-130	3	5	0
4-Nitrophenol	101		72		11-114	34	5	0
2,4-Dinitrophenol	68		50		4-130	31	5	0
4,6-Dinitro-o-cresol	105		80		10-130	27	5	0
Pentachlorophenol	75		61		17-109	21	5	0
Phenol	71		68		26-90	4	5	0
2-Methylphenol	76		70		30-130.	8	5	0
3-Methylphenol/4-Methylphenol	77		72		30-130	7	5	0
2,4,5-Trichlorophenol	96		82		30-130	16	5	0
Carbazole	90		74		54-128	20	5	0
Atrazine	102		80		40-140	24	5	0
Benzaldehyde	60		58		40-140	3	5	0
Caprolactam	100		85		15-130	16	5	0
2,3,4,6-Tetrachlorophenol	98		79		40-140	21	5	0



NYSEG LOCKPORT STATE RD. FMR **Project Name:** 

Lab Number: L1746621

**Project Number:** 2161270.031 Report Date:

12/21/17

	LCS		LCSD		%Recovery			RPD
Parameter	%Recovery	Qual	%Recovery	Qual	Limits	RPD	Qual	Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1073933-2 WG1073933-3

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria
2-Fluorophenol	76	72	25-120
Phenol-d6	78	75	10-120
Nitrobenzene-d5	73	72	23-120
2-Fluorobiphenyl	85	77	30-120
2,4,6-Tribromophenol	101	81	10-136
4-Terphenyl-d14	92	73	18-120

**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

nrameter	LCS %Recovery	Qual	LCSD %Recovery	% Qual	Recovery Limits	RPD	Qual	RPD Limits
CLP Semivolatiles by EPA 1311 - Westbo	rough Lab Assoc	iated sample(s	): 01 Batch:	WG1074734-2	WG1074734-3			
Hexachlorobenzene	100		85		40-140	16		30
2,4-Dinitrotoluene	114		96		40-132	17		30
Hexachlorobutadiene	89		79		28-111	12		30
Hexachloroethane	80		72		21-105	11		30
Nitrobenzene	95		84		40-140	12		30
2,4,6-Trichlorophenol	108		90		30-130	18		30
Pentachlorophenol	105	Q	88		9-103	18		30
2-Methylphenol	92		81		30-130	13		30
3-Methylphenol/4-Methylphenol	96		85		30-130	12		30
2,4,5-Trichlorophenol	109		93		30-130	16		30
Pyridine	54		54		10-66	0		30

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria
2-Fluorophenol	92	81	21-120
Phenol-d6	87	78	10-120
Nitrobenzene-d5	101	88	23-120
2-Fluorobiphenyl	98	85	15-120
2,4,6-Tribromophenol	120	101	10-120
4-Terphenyl-d14	100	86	33-120



### **PCBS**



Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

**Project Number:** 2161270.031 **Report Date:** 12/21/17

SAMPLE RESULTS

Lab ID: Date Collected: 12/18/17 14:30

Client ID: TRENCH SPOILS-1 Date Received: 12/18/17
Sample Location: LOCKPORT, NY Field Prep: Not Specified

Extraction Method:EPA 3546

Matrix: Soil Extraction Date: 12/19/17 10:53

Analytical Method: 1,8082A Cleanup Method: EPA 3665A
Analytical Date: 12/20/17 13:52 Cleanup Date: 12/20/17
Analyst: HT Cleanup Method: EPA 3660B

Percent Solids: 88% Cleanup Date: 12/20/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column		
Polychlorinated Biphenyls by GC - Westborough Lab									
Aroclor 1016	ND		ug/kg	36.7	4.16	1	Α		
Aroclor 1221	ND		ug/kg	36.7	5.59	1	Α		
Aroclor 1232	ND		ug/kg	36.7	3.61	1	Α		
Aroclor 1242	ND		ug/kg	36.7	4.50	1	Α		
Aroclor 1248	ND		ug/kg	36.7	4.12	1	Α		
Aroclor 1254	15.6	J	ug/kg	36.7	3.00	1	В		
Aroclor 1260	ND		ug/kg	36.7	3.83	1	Α		
Aroclor 1262	ND		ug/kg	36.7	3.02	1	Α		
Aroclor 1268	ND		ug/kg	36.7	2.60	1	Α		
PCBs, Total	15.6	J	ug/kg	36.7	2.60	1	В		

Surragata	9/ Bacayany	Qualifier	Acceptance	Calumn
Surrogate	% Recovery	Qualifier	Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	Α
Decachlorobiphenyl	66		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	70		30-150	В
Decachlorobiphenyl	90		30-150	В



L1746621

Lab Number:

Project Name: NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031 **Report Date:** 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A Analytical Date: 12/19/17 10:40

Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 12/18/17 23:53
Cleanup Method: EPA 3665A
Cleanup Date: 12/19/17
Cleanup Method: EPA 3660B
Cleanup Date: 12/19/17

Parameter	Result	Qualifier	Units	I	RL	MDL	Column
Polychlorinated Biphenyls by GC	- Westboroug	h Lab for s	ample(s):	01	Batch:	WG1074156-	1
Aroclor 1016	ND		ug/kg	3	1.3	3.55	Α
Aroclor 1221	ND		ug/kg	3	1.3	4.76	Α
Aroclor 1232	ND		ug/kg	3	1.3	3.08	Α
Aroclor 1242	ND		ug/kg	3	1.3	3.83	Α
Aroclor 1248	ND		ug/kg	3	1.3	3.51	Α
Aroclor 1254	ND		ug/kg	3	1.3	2.55	Α
Aroclor 1260	ND		ug/kg	3	1.3	3.27	Α
Aroclor 1262	ND		ug/kg	3	1.3	2.57	Α
Aroclor 1268	ND		ug/kg	3	1.3	2.22	Α
PCBs, Total	ND		ug/kg	3	1.3	2.22	Α

		Acceptance	e
Surrogate	%Recovery Qualifie	r Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79	30-150	Α
Decachlorobiphenyl	57	30-150	Α
2,4,5,6-Tetrachloro-m-xylene	79	30-150	В
Decachlorobiphenyl	66	30-150	В



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

Lab Number: L1746621

**Project Number:** 2161270.031

	Lo	cs		L	CSD	9	6Recovery			RPD	
Parameter	%Red	overy	Qual	%Re	covery	Qual	Limits	RPD	Qual	Limits	Column
Polychlorinated Bip	henyls by GC - Westborough Lab	Associ	ated sample(s):	01	Batch:	WG1074156-2	WG1074156-3				
Aroclor 1016		67			71		40-140	6		50	Α
Aroclor 1260		56			63		40-140	12		50	А

Surrogate	LCS %Recovery Qua	LCSD al %Recovery Qual	Acceptance Criteria Column
2,4,5,6-Tetrachloro-m-xylene	78	85	30-150 A
Decachlorobiphenyl	53	66	30-150 A
2,4,5,6-Tetrachloro-m-xylene	79	85	30-150 B
Decachlorobiphenyl	69	75	30-150 B

### **PESTICIDES**



12/21/17

Report Date:

Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

**Project Number:** 2161270.031

**SAMPLE RESULTS** 

Lab ID: Date Collected: 12/18/17 14:30

Client ID: TRENCH SPOILS-1 Date Received: 12/18/17
Sample Location: LOCKPORT, NY Field Prep: Not Specified
Extraction Method:EPA 3510C

Matrix: Soil Extraction Method: EPA 35 TOC

Analytical Method: 1,8081B

Analytical Date: 12/20/17 12:22

Analyst: KEG Percent Solids: 88%

TCLP/SPLP Ext. Date: 12/19/17 05:45

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
TCLP Pesticides by EPA 1311 - Westb	orough Lab						
Lindane	ND		ug/l	0.100	0.022	1	Α
Heptachlor	ND		ug/l	0.100	0.016	1	Α
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	Α
Endrin	ND		ug/l	0.200	0.021	1	Α
Methoxychlor	ND		ug/l	1.00	0.034	1	Α
Toxaphene	ND		ug/l	1.00	0.314	1	Α
Chlordane	ND		ug/l	1.00	0.232	1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		30-150	А
Decachlorobiphenyl	115		30-150	Α
2,4,5,6-Tetrachloro-m-xylene	115		30-150	В
Decachlorobiphenyl	108		30-150	В



L1746621

12/21/17

Project Name: NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

**SAMPLE RESULTS** 

Date Collected: 12/18/17 14:30

Lab Number:

Report Date:

Lab ID:L1746621-01Date Collected:Client ID:TRENCH SPOILS-1Date Received:Sample Location:LOCKPORT, NYField Prep:

Date Received: 12/18/17
Field Prep: Not Specified
Extraction Method:EPA 3546
Extraction Date: 12/19/17 11:40

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/20/17 14:08

Cleanup Method: EPA 3620B Cleanup Date: 12/20/17

Analyst: KEG Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column			
Organochlorine Pesticides by GC - Westborough Lab										
Delta-BHC	ND		ug/kg	1.80	0.353	1	Α			
Lindane	ND		ug/kg	0.750	0.336	1	Α			
Alpha-BHC	ND			0.750	0.213	1	A			
Beta-BHC	ND		ug/kg			1				
			ug/kg	1.80	0.683		Α			
Heptachlor	ND		ug/kg	0.901	0.404	1	Α			
Aldrin	ND		ug/kg	1.80	0.634	1	Α			
Heptachlor epoxide	1.30	J	ug/kg	3.38	1.01	1	Α			
Endrin	1.75	PI	ug/kg	0.750	0.308	1	В			
Endrin aldehyde	ND		ug/kg	2.25	0.788	1	Α			
Endrin ketone	ND		ug/kg	1.80	0.464	1	Α			
Dieldrin	ND		ug/kg	1.12	0.563	1	Α			
4,4'-DDE	ND		ug/kg	1.80	0.416	1	Α			
4,4'-DDD	2.90		ug/kg	1.80	0.642	1	А			
4,4'-DDT	13.2	Р	ug/kg	3.38	1.45	1	А			
Endosulfan I	ND		ug/kg	1.80	0.426	1	Α			
Endosulfan II	ND		ug/kg	1.80	0.602	1	Α			
Endosulfan sulfate	ND		ug/kg	0.750	0.357	1	Α			
Methoxychlor	ND		ug/kg	3.38	1.05	1	Α			
Toxaphene	ND		ug/kg	33.8	9.46	1	Α			
cis-Chlordane	ND		ug/kg	2.25	0.627	1	Α			
trans-Chlordane	ND		ug/kg	2.25	0.594	1	Α			
Chlordane	ND		ug/kg	14.6	5.97	1	Α			

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	В
Decachlorobiphenyl	146		30-150	В
2,4,5,6-Tetrachloro-m-xylene	93		30-150	Α
Decachlorobiphenyl	120		30-150	Α



12/21/17

12/20/17 00:59

Report Date:

Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

**Project Number:** 2161270.031

**SAMPLE RESULTS** 

Lab ID: Date Collected: 12/18/17 14:30

Client ID: TRENCH SPOILS-1 Date Received: 12/18/17
Sample Location: LOCKPORT, NY Field Prep: Not Specified
Extraction Method:EPA 8151A

Matrix: Soil Extraction Date:
Analytical Method: 1,8151A
Analytical Date: 12/20/17 16:20

Analyst: SL Percent Solids: 88%

TCLP/SPLP Ext. Date: 12/19/17 05:45 Methylation Date: 12/20/17 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westl	oorough Lab						
2,4-D	ND		mg/l	0.025	0.001	1	Α
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	Α

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	39		30-150	А
DCAA	33		30-150	В



12/21/17

Report Date:

Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

**Project Number:** 2161270.031

**SAMPLE RESULTS** 

Lab ID: Date Collected: 12/18/17 14:30

Client ID: TRENCH SPOILS-1 Date Received: 12/18/17
Sample Location: LOCKPORT, NY Field Prep: Not Specified
Extraction Method:EPA 8151A

Matrix: Soil Extraction Method: EPA 8151A

Matrix: Soil Extraction Date: 12/20/17 03:02

Analytical Method: 1,8151A

Analytical Date: 12/21/17 13:40

Analyst: SL Percent Solids: 88%

Methylation Date: 12/21/17 10:49

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column	
Chlorinated Herbicides by GC - Westborough Lab								
2,4-D	ND		ug/kg	184	11.6	1	Α	
2,4,5-T	ND		ug/kg	184	5.72	1	Α	
2,4,5-TP (Silvex)	ND		ug/kg	184	4.91	1	Α	

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	104		30-150	Α
DCAA	82		30-150	В



Project Name: NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

**Report Date:** 12/21/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B Analytical Date: 12/19/17 12:33

Analyst: CD

Extraction Method: EPA 3546
Extraction Date: 12/18/17 22:09
Cleanup Method: EPA 3620B
Cleanup Date: 12/19/17

Parameter	Result	Qualifier	Units	I	RL	MDL	Column
Organochlorine Pesticides by GC	Westboroug	h Lab for	sample(s):	01	Batch:	WG107414	1-1
Delta-BHC	ND		ug/kg	1	.60	0.313	Α
Lindane	ND		ug/kg	0.	666	0.298	Α
Alpha-BHC	ND		ug/kg	0.	666	0.189	Α
Beta-BHC	ND		ug/kg	1	.60	0.606	Α
Heptachlor	ND		ug/kg	0.	799	0.358	А
Aldrin	ND		ug/kg	1	.60	0.562	Α
Heptachlor epoxide	ND		ug/kg	3	.00	0.899	Α
Endrin	ND		ug/kg	0.	666	0.273	Α
Endrin aldehyde	ND		ug/kg	2	.00	0.699	Α
Endrin ketone	ND		ug/kg	1	.60	0.411	Α
Dieldrin	ND		ug/kg	0.	999	0.499	Α
4,4'-DDE	ND		ug/kg	1	.60	0.370	Α
4,4'-DDD	ND		ug/kg	1	.60	0.570	Α
4,4'-DDT	ND		ug/kg	3	.00	1.28	Α
Endosulfan I	ND		ug/kg	1	.60	0.377	Α
Endosulfan II	ND		ug/kg	1	.60	0.534	Α
Endosulfan sulfate	ND		ug/kg	0.	666	0.317	Α
Methoxychlor	ND		ug/kg	3	.00	0.932	Α
Toxaphene	ND		ug/kg	3	0.0	8.39	Α
cis-Chlordane	ND		ug/kg	2	.00	0.556	Α
trans-Chlordane	ND		ug/kg	2	.00	0.527	Α
Chlordane	ND		ug/kg	1	3.0	5.29	Α



L1746621

Lab Number:

Project Name: NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031 **Report Date:** 12/21/17

Method Blank Analysis
Batch Quality Control

Batch Quality Control

Analytical Method: 1,8081B Extraction Method: EPA 3546
Analytical Date: 12/19/17 12:33 Extraction Date: 12/18/17 22:09

Analyst: CD Cleanup Method: EPA 3620B Cleanup Date: 12/19/17

Parameter	Result	Qualifier	Units		RL	MDL	Column
Organochlorine Pesticides by GC -	- Westborou	gh Lab for	sample(s):	01	Batch:	WG107414	1-1

	Acceptance					
Surrogate	%Recovery Qualif	ier Criteria	Column			
2,4,5,6-Tetrachloro-m-xylene	91	30-150	В			
Decachlorobiphenyl	89	30-150	В			
2,4,5,6-Tetrachloro-m-xylene	95	30-150	Α			
Decachlorobiphenyl	81	30-150	Α			



L1746621

Column

MDL

Lab Number:

**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031 Report Date: 12/21/17

> **Method Blank Analysis Batch Quality Control**

TCLP/SPLP Extraction Date: 12/19/17 05:45 12/20/17 11:30 Methylation Date:

**Parameter** 

Analytical Method:	1,8151A	Extraction Method:	EPA 8151A
Analytical Date:	12/20/17 14:03	Extraction Date:	12/20/17 00:59
Analvst:	SL		

CLP Herbicides by EPA 13	11 - Westborough Lab f	or sample(s): 01	Batch: V	VG1074691-1	
2,4-D	ND	mg/l	0.025	0.001	В
2,4,5-TP (Silvex)	ND	mg/l	0.005	0.001	В

Qualifier

Units

RL

Result

		Acceptance			
Surrogate	%Recovery	Qualifier	Criteria	Column	
DOMA	00		00.450		
DCAA	30		30-150	Α	
DCAA	25	Q	30-150	В	



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031 Lab Number:

L1746621

Report Date:

12/21/17

**Method Blank Analysis Batch Quality Control** 

Analytical Method: Analytical Date:

1,8151A 12/20/17 13:51

Extraction Date:

Extraction Method: EPA 8151A 12/19/17 21:43

Analyst:

SL

12/20/17 13:35 Methylation Date:

Parameter	Result	Qualifier Units	RL	MDL	Column
Chlorinated Herbicides by G	GC - Westborough I	Lab for sample(s):	01 Batch:	WG1074707-1	
2,4-D	ND	ug/kg	164	10.3	Α
2,4,5-T	ND	ug/kg	164	5.09	Α
2,4,5-TP (Silvex)	ND	ug/kg	164	4.37	Α

		Acceptance			
Surrogate	%Recovery Qu	alifier Criteria	Column		
			_		
DCAA	99	30-150	Α		
DCAA	80	30-150	В		



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031 Lab Number:

Report Date:

L1746621 12/21/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B Analytical Date: 12/20/17 11:31

Analyst: KEG
TCLP/SPLP Extraction Date: 12/19/17 05:45

Extraction Date:

Extraction Method: EPA 3510C 12/20/17 03:52

Parameter	Result	Qualifier Units	RL	MDL	Column
TCLP Pesticides by EPA 13	11 - Westborough L	ab for sample(s):	01 Batch:	WG1074710-1	
Lindane	ND	ug/l	0.100	0.022	А
Heptachlor	ND	ug/l	0.100	0.016	Α
Heptachlor epoxide	ND	ug/l	0.100	0.021	Α
Endrin	ND	ug/l	0.200	0.021	Α
Methoxychlor	ND	ug/l	1.00	0.034	Α
Toxaphene	ND	ug/l	1.00	0.314	Α
Chlordane	ND	ug/l	1.00	0.232	Α

		Acceptance			
Surrogate	%Recovery Qua	alifier Criteri	ia Column		
			_		
2,4,5,6-Tetrachloro-m-xylene	109	30-150	) А		
Decachlorobiphenyl	99	30-150	) А		
2,4,5,6-Tetrachloro-m-xylene	110	30-150	) В		
Decachlorobiphenyl	101	30-150	) В		



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

arameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborou	ugh Lab Assoc	iated sample(s	s): 01 Batch:	WG1074141-	2 WG1074141-3				
Delta-BHC	91		101		30-150	10		30	Α
Lindane	83		97		30-150	16		30	А
Alpha-BHC	92		104		30-150	12		30	Α
Beta-BHC	85		97		30-150	13		30	Α
Heptachlor	87		97		30-150	11		30	Α
Aldrin	84		96		30-150	13		30	Α
Heptachlor epoxide	73		82		30-150	12		30	Α
Endrin	79		90		30-150	13		30	Α
Endrin aldehyde	70		78		30-150	11		30	Α
Endrin ketone	76		86		30-150	12		30	Α
Dieldrin	88		101		30-150	14		30	Α
4,4'-DDE	88		102		30-150	15		30	Α
4,4'-DDD	82		95		30-150	15		30	Α
4,4'-DDT	84		97		30-150	14		30	А
Endosulfan I	82		93		30-150	13		30	А
Endosulfan II	80		90		30-150	12		30	А
Endosulfan sulfate	70		81		30-150	15		30	А
Methoxychlor	73		84		30-150	14		30	А
cis-Chlordane	70		81		30-150	15		30	А
trans-Chlordane	77		85		30-150	10		30	Α



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

Lab Number: L1746621

**Project Number:** 2161270.031

Report Date:

12/21/17

	LCS		LCSD		%Recovery			RPD
Parameter	%Recovery	Qual	%Recovery	Qual	Limits	RPD	Qual	Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1074141-2 WG1074141-3

	LCS	LCSD	Acceptance
Surrogate	%Recovery	Qual %Recovery Qual	Criteria Column
2,4,5,6-Tetrachloro-m-xylene	89	100	30-150 B
Decachlorobiphenyl	85	96	30-150 B
2,4,5,6-Tetrachloro-m-xylene	91	99	30-150 A
Decachlorobiphenyl	68	78	30-150 A



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

Lab Number: L1746621

**Project Number:** 2161270.031 Report Date:

12/21/17

Parameter	LCS %Recoverv	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - West	tborough Lab Associate		01 Batch: \		WG1074691-3				• • • • • • • • • • • • • • • • • • • •
2,4-D	60		61		30-150	2		25	В
2,4,5-TP (Silvex)	38		38		30-150	0		25	В

Surrogate	LCS	LCSD	Acceptance
	%Recovery G	Qual %Recovery Qual	Criteria Column
DCAA	41	38	30-150 A
DCAA	35	34	30-150 B



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

Lab Number: L1746621

**Project Number:** 2161270.031

Parameter Chlorinated Herbicides by GC - Westbord	LCS %Recovery	Qual d sample(s):	LCSD %Recovery	<b>Qual</b> G1074707-2	%Recovery Limits WG1074707-3	RPD	Qual	RPD Limits	Column
2,4-D	118		113		30-150	4		30	А
2,4,5-T	83		83		30-150	0		30	А
2,4,5-TP (Silvex)	94		92		30-150	2		30	Α

Surrogate	LCS %Recovery Q	LCSD Qual %Recovery	Acceptance Qual Criteria	Column
DCAA	103	95	30-150	A
DCAA	83	78	30-150	B



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

Lab Number: L1746621

**Project Number:** 2161270.031

Parameter	LCS %Recovery	Qual	LCSD %Recover		%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough	n Lab Associate	ed sample(s):	01 Batch:	WG1074710-2	WG1074710-3				
Lindane	113		123		30-150	8		20	Α
Heptachlor	116		126		30-150	8		20	А
Heptachlor epoxide	125		136		30-150	8		20	А
Endrin	127		138		30-150	8		20	А
Methoxychlor	130		142		30-150	9		20	А

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria Column
2,4,5,6-Tetrachloro-m-xylene	125	120	30-150 A
Decachlorobiphenyl	136	131	30-150 A
2,4,5,6-Tetrachloro-m-xylene	112	123	30-150 B
Decachlorobiphenyl	110	122	30-150 B

### **METALS**



**Project Name:** NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

**Project Number:** 2161270.031 **Report Date:** 12/21/17

**SAMPLE RESULTS** 

Date Collected: Lab ID: L1746621-01 12/18/17 14:30 Client ID: TRENCH SPOILS-1 Date Received: 12/18/17

Sample Location: LOCKPORT, NY Field Prep: Not Specified

TCLP/SPLP Ext. Date: 12/19/17 05:45 Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Method	Analyst
TCLP Metals by E	PA 1311 -	Mansfield	Lab								
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/20/17 12:31	12/20/17 23:08	EPA 3015	1,6010C	AB
Barium, TCLP	0.611		mg/l	0.500	0.021	1	12/20/17 12:31	12/20/17 23:08	EPA 3015	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/20/17 12:31	12/20/17 23:08	EPA 3015	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/20/17 12:31	12/20/17 23:08	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/20/17 12:31	12/20/17 23:08	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	12/20/17 11:57	12/20/17 21:12	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/20/17 12:31	12/20/17 23:08	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/20/17 12:31	12/20/17 23:08	EPA 3015	1,6010C	AB



Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

**Project Number:** 2161270.031 **Report Date:** 12/21/17

**SAMPLE RESULTS** 

Lab ID: L1746621-01 Date Collected: 12/18/17 14:30

Client ID: TRENCH SPOILS-1 Date Received: 12/18/17
Sample Location: LOCKPORT, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Dilution Date Date Prep Analytical
Percent Solids: 88%

Dilution Date Prep Analytical Method Method

Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - Mans	field Lab										
Aluminum, Total	4700		mg/kg	8.61	2.32	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Antimony, Total	0.818	J	mg/kg	4.30	0.327	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Arsenic, Total	3.56		mg/kg	0.861	0.179	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Barium, Total	78.8		mg/kg	0.861	0.150	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Beryllium, Total	0.241	J	mg/kg	0.430	0.028	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.861	0.084	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Calcium, Total	71900		mg/kg	8.61	3.01	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Chromium, Total	7.46		mg/kg	0.861	0.083	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Cobalt, Total	4.59		mg/kg	1.72	0.143	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Copper, Total	17.5		mg/kg	0.861	0.222	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Iron, Total	11200		mg/kg	4.30	0.777	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Lead, Total	33.9		mg/kg	4.30	0.231	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Magnesium, Total	17400		mg/kg	8.61	1.32	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Manganese, Total	641		mg/kg	0.861	0.137	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Mercury, Total	0.15		mg/kg	0.07	0.02	1	12/20/17 08:00	12/20/17 20:28	EPA 7471B	1,7471B	EA
Nickel, Total	9.50		mg/kg	2.15	0.208	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Potassium, Total	622		mg/kg	215	12.4	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.72	0.222	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.861	0.244	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Sodium, Total	109	J	mg/kg	172	2.71	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.72	0.271	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Vanadium, Total	11.4		mg/kg	0.861	0.175	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS
Zinc, Total	37.4		mg/kg	4.30	0.252	2	12/20/17 07:40	12/20/17 12:39	EPA 3050B	1,6010C	PS



Project Name: NYSEG LOCKPORT STATE RD. FMR

**Project Number: 2161270.031** 

Lab Number:

L1746621

**Report Date:** 12/21/17

# Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield	d Lab for s	ample(s):	01 Batcl	h: WG10	074666-	1				
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Barium, Total	ND		mg/kg	0.400	0.070	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Calcium, Total	1.44	J	mg/kg	4.00	1.40	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Copper, Total	ND		mg/kg	0.400	0.103	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Iron, Total	1.02	J	mg/kg	2.00	0.361	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Lead, Total	ND		mg/kg	2.00	0.107	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Manganese, Total	ND		mg/kg	0.400	0.064	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Potassium, Total	ND		mg/kg	100	5.76	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Silver, Total	ND		mg/kg	0.400	0.113	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Sodium, Total	ND		mg/kg	80.0	1.26	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/20/17 07:40	12/20/17 11:23	1,6010C	PS

**Prep Information** 

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method		
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1074717-1										
Mercury, Total	ND	mg/kg	0.08	0.02	1	12/20/17 08:00	12/20/17 19:33	1,7471B	EA	



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number:

L1746621

Report Date:

12/21/17

# Method Blank Analysis Batch Quality Control

#### **Prep Information**

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 13	311 - Man	sfield Lab	for sample	e(s): 01	Batch:	WG10749	33-1			
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	12/20/17 12:31	12/20/17 22:36	1,6010C	AB
Barium, TCLP	0.022	J	mg/l	0.500	0.021	1	12/20/17 12:31	12/20/17 22:36	1,6010C	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	12/20/17 12:31	12/20/17 22:36	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	12/20/17 12:31	12/20/17 22:36	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	12/20/17 12:31	12/20/17 22:36	1,6010C	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	12/20/17 12:31	12/20/17 22:36	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	12/20/17 12:31	12/20/17 22:36	1,6010C	AB

#### **Prep Information**

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 12/19/17 05:45

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytica Method	l Analyst
TCLP Metals by EPA	1311 - Mansfield Lab	for sample	e(s): 01	Batch:	WG10749	38-1			
Mercury, TCLP	ND	mg/l	0.0010	0.0003	1	12/20/17 11:57	12/20/17 21:09	1,7470A	EA

#### **Prep Information**

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 12/19/17 05:45



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

Parameter	LCS %Recovery		LCSD Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Fotal Metals - Mansfield Lab Associated sample	e(s): 01 Batch:	WG1074666-2	SRM Lot N	lumber: D09	98-540			
Aluminum, Total	71		-		47-153	-		
Antimony, Total	137		-		6-194	-		
Arsenic, Total	87		-		83-117	-		
Barium, Total	85		-		82-118	-		
Beryllium, Total	91		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Calcium, Total	83		-		81-118	-		
Chromium, Total	88		-		83-119	-		
Cobalt, Total	90		-		84-116	-		
Copper, Total	85		-		84-116	-		
Iron, Total	88		-		60-140	-		
Lead, Total	83		-		82-117	-		
Magnesium, Total	78		-		76-124	-		
Manganese, Total	87		-		82-118	-		
Nickel, Total	87		-		82-117	-		
Potassium, Total	84		-		69-131	-		
Selenium, Total	88		-		78-121	-		
Silver, Total	89		-		80-120	-		
Sodium, Total	89		-		74-126	-		
Thallium, Total	92		-		80-119	-		
Vanadium, Total	86		-		79-121	-		



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample	(s): 01 Batch: WG1	074666-2 SRM Lot Number	: D098-540		
Zinc, Total	88	-	81-119	-	
Total Metals - Mansfield Lab Associated sample	(s): 01 Batch: WG1	074717-2 SRM Lot Number	: D098-540		
Mercury, Total	109	-	50-149	-	
TCLP Metals by EPA 1311 - Mansfield Lab Assonance Arsenic, TCLP	ociated sample(s): 01	Batch: WG1074933-2	75-125		20
Arsenic, TCLP  Barium, TCLP	92	<u>-</u>	75-125 75-125	-	20
Cadmium, TCLP	101	-	75-125	-	20
Chromium, TCLP	94	-	75-125	-	20
Lead, TCLP	97	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	91	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Asso	ociated sample(s): 01	Batch: WG1074938-2			
Mercury, TCLP	106	-	80-120	-	



#### Matrix Spike Analysis Batch Quality Control

**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Recovery Qual Limits		Qual	RPD Limits
Total Metals - Mansfield Lab	Associated san	nple(s): 01	QC Batch	ID: WG107466	6-3	QC Sample:	: L1746885-02	Client ID: MS S	Sample		
Aluminum, Total	9280	178	11100	1020	Q	-	-	75-125	-		20
Antimony, Total	0.919J	44.6	36.3	81		-	-	75-125	-		20
Arsenic, Total	6.34	10.7	16.7	97		-	-	75-125	-		20
Barium, Total	65.7	178	220	86		-	-	75-125	-		20
Beryllium, Total	0.438	4.46	4.27	86		-	-	75-125	-		20
Cadmium, Total	ND	4.54	2.19	48	Q	-	-	75-125	-		20
Calcium, Total	886.	891	2470	178	Q	-	-	75-125	-		20
Chromium, Total	12.8	17.8	28.4	88		-	-	75-125	-		20
Cobalt, Total	8.20	44.6	41.6	75		-	-	75-125	-		20
Copper, Total	15.6	22.3	37.4	98		-	-	75-125	-		20
Iron, Total	18500	89.1	20200	1910	Q	-	-	75-125	-		20
Lead, Total	11.5	45.4	43.0	69	Q	-	-	75-125	-		20
Magnesium, Total	3040	891	3900	96		-	-	75-125	-		20
Manganese, Total	508.	44.6	661	343	Q	-	-	75-125	-		20
Nickel, Total	19.3	44.6	53.4	76		-	-	75-125	-		20
Potassium, Total	594.	891	1350	85		-	-	75-125	-		20
Selenium, Total	ND	10.7	7.96	74	Q	-	-	75-125	-		20
Silver, Total	ND	26.7	24.4	91		-	-	75-125	-		20
Sodium, Total	155.	891	946	89		-	-	75-125	-		20
Thallium, Total	0.438J	10.7	8.15	76		-	-	75-125	-		20
Vanadium, Total	16.3	44.6	53.7	84		-	-	75-125	-		20

#### Matrix Spike Analysis Batch Quality Control

**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number: L1746621

arameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recover Limits	•	RPD Limits
Total Metals - Mansfield L	ab Associated sam	ple(s): 01	QC Batch II	D: WG1074666	6-3	QC Sample:	L1746885-02	Client ID: MS		
Zinc, Total	51.1	44.6	88.0	83		-	-	75-125		20
Total Metals - Mansfield L	ab Associated sam	ple(s): 01	QC Batch II	D: WG1074717	7-3 W	G1074717-4	QC Sample:	L1745804-04	Client ID:	MS Sample
Mercury, Total	ND	0.141	0.20	142	Q	0.20	142	Q 80-120	0	20
TCLP Metals by EPA 131	1 - Mansfield Lab A	ssociated	sample(s): 0°	I QC Batch II	D: WG	61074933-3	QC Sample:	L1744829-03	Client ID:	MS Sample
Arsenic, TCLP	0.048J	1.2	1.28	107		-	-	75-125	-	20
Barium, TCLP	0.114J	20	18.8	94		-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.517	101		-	-	75-125	-	20
Chromium, TCLP	ND	2	1.93	96		-	-	75-125	-	20
Lead, TCLP	0.160J	5.1	5.10	100		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.30	108		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.465	93		-	-	75-125	-	20
TCLP Metals by EPA 131 SPOILS-1	1 - Mansfield Lab A	ssociated	sample(s): 0°	I QC Batch II	D: WG	61074938-3	QC Sample:	L1746621-01	Client ID:	TRENCH
Mercury, TCLP	ND	0.025	0.0271	108		-	-	80-120	-	20

### Lab Duplicate Analysis Batch Quality Control

Project Name: NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

**Lab Number:** L1746621 **Report Date:** 12/21/17

Parameter	Native Samp	ole Dup	licate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01	QC Batch ID:	WG1074666-4	QC Sample:	L1746885-02	Client ID: D	UP Sample	
Arsenic, Total	6.34		7.91	mg/kg	22	Q	20
Barium, Total	65.7		75.8	mg/kg	14		20
Cadmium, Total	ND		ND	mg/kg	NC		20
Chromium, Total	12.8		15.2	mg/kg	17		20
Lead, Total	11.5		14.0	mg/kg	20		20
Selenium, Total	ND		ND	mg/kg	NC		20
Silver, Total	ND		ND	mg/kg	NC		20
CLP Metals by EPA 1311 - Mansfield Lab Associated s	sample(s): 01	QC Batch ID: V	VG1074933-4	QC Sample:	L1744829-0	3 Client ID:	DUP Sample
Lead, TCLP	0.160J		0.141J	mg/l	NC		20
CLP Metals by EPA 1311 - Mansfield Lab Associated s	sample(s): 01	QC Batch ID: V	/G1074938-4	QC Sample:	L1746621-0	1 Client ID:	TRENCH
Mercury, TCLP	ND		ND	mg/l	NC		20



## INORGANICS & MISCELLANEOUS



Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

**Project Number:** 2161270.031 **Report Date:** 12/21/17

**SAMPLE RESULTS** 

Lab ID: Date Collected: 12/18/17 14:30

Client ID: TRENCH SPOILS-1 Date Received: 12/18/17
Sample Location: LOCKPORT, NY Field Prep: Not Specified

Matrix: Soil

#### **Test Material Information**

Source of Material: Unknown

Description of Material: Non-Metallic - Damp Soil

Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solid	s - Westborough Lab			
Ignitability	NI	12/20/17 17:13	1,1030	JG



Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621

**Project Number:** 2161270.031 **Report Date:** 12/21/17

**SAMPLE RESULTS** 

Lab ID: L1746621-01 Date Collected: 12/18/17 14:30

Client ID: TRENCH SPOILS-1 Date Received: 12/18/17
Sample Location: LOCKPORT, NY Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - V	Vestborough Lab	)								
Solids, Total	88.0		%	0.100	NA	1	-	12/19/17 13:41	121,2540G	RI
pH (H)	8.2		SU	-	NA	1	-	12/19/17 05:55	1,9045D	UN
Cyanide, Reactive	ND	ı	mg/kg	10	10.	1	12/19/17 04:50	12/19/17 08:56	125,7.3	JD
Sulfide, Reactive	ND	ı	mg/kg	10	10.	1	12/19/17 04:50	12/19/17 09:06	125,7.3	JD



**Project Name:** NYSEG LOCKPORT STATE RD. FMR **Lab Number:** L1746621

**Project Number:** 2161270.031 **Report Date:** 12/21/17

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifie	er Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - \	Westborough Lab for sa	ample(s): 01	Batch:	WG10	74201-1				
Sulfide, Reactive	ND	mg/kg	10	10.	1	12/19/17 04:50	12/19/17 09:05	125,7.3	JD
General Chemistry - \	Westborough Lab for sa	ample(s): 01	Batch:	WG10	74202-1				
Cyanide, Reactive	ND	mg/kg	10	10.	1	12/19/17 04:50	12/19/17 08:56	125,7.3	JD



**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number:

L1746621

Report Date:

12/21/17

Parameter	LCS %Recovery Qu	LCSD al %Recovery Qua	%Recovery al Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab /	Associated sample(s): 01	Batch: WG1074201-2				
Sulfide, Reactive	80	-	60-125	-		40
General Chemistry - Westborough Lab	Associated sample(s): 01	Batch: WG1074202-2				
Cyanide, Reactive	48	-	30-125	-		40
General Chemistry - Westborough Lab	Associated sample(s): 01	Batch: WG1074236-1				
рН	100	-	99-101	-		

### Lab Duplicate Analysis Batch Quality Control

Project Name: NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Lab Number:

L1746621

Report Date:

12/21/17

Parameter	Native Sample	Duplicate Sampl	le Units	RPD	Qual RPD Limits
General Chemistry - Westborough Lab Associated sa	mple(s): 01 QC Batch ID:	WG1074201-3 C	QC Sample: L1746	561-01	Client ID: DUP Sample
Sulfide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sa	mple(s): 01 QC Batch ID:	WG1074202-3	QC Sample: L1746	561-01	Client ID: DUP Sample
Cyanide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sa	mple(s): 01 QC Batch ID:	WG1074236-2	QC Sample: L1746	561-01	Client ID: DUP Sample
рН	8.4	8.6	SU	2	5
General Chemistry - Westborough Lab Associated sa	mple(s): 01 QC Batch ID:	WG1074399-1 C	QC Sample: L1745	939-08	Client ID: DUP Sample
Solids, Total	30.5	30.2	%	1	20

Serial\_No:12211716:42 *Lab Number:* L1746621

Project Name: NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031 **Report Date:** 12/21/17

#### Sample Receipt and Container Information

Were project specific reporting limits specified?

**Cooler Information** 

Cooler Custody Seal

A Absent

Container Info	Container Information			Final	Temp			Frozen	
Container ID	Container Type	Cooler	рН	рН	deg C	Pres	Seal	Date/Time	Analysis(*)
L1746621-01A	Vial MeOH preserved	Α	NA		2.3	Υ	Absent		NYTCL-8260HLW-R2(14)
L1746621-01B	Vial water preserved	Α	NA		2.3	Υ	Absent	19-DEC-17 06:49	NYTCL-8260HLW-R2(14)
L1746621-01C	Vial water preserved	Α	NA		2.3	Υ	Absent	19-DEC-17 06:49	NYTCL-8260HLW-R2(14)
L1746621-01D	Plastic 2oz unpreserved for TS	Α	NA		2.3	Υ	Absent		TS(7)
L1746621-01D1	Plastic 2oz unpreserved for TS	Α	NA		2.3	Υ	Absent		TS(7)
L1746621-01D2	Plastic 2oz unpreserved for TS	Α	NA		2.3	Υ	Absent		TS(7)
L1746621-01E	Vial Large Septa unpreserved (4oz)	Α	NA		2.3	Υ	Absent		TCLP-EXT-ZHE(14)
L1746621-01F	Glass 250ml/8oz unpreserved	Α	NA		2.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG- TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL- TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE- TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE- TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA- TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1746621-01G	Glass 250ml/8oz unpreserved	Α	NA		2.3	Υ	Absent		IGNIT-1030(14),NYTCL- 8270(14),REACTS(14),HERB-APA(14),PH- 9045(1),NYTCL-8081(14),NYTCL- 8082(14),REACTCN(14)
L1746621-01H	Glass 250ml/8oz unpreserved	Α	NA		2.3	Y	Absent		IGNIT-1030(14),NYTCL- 8270(14),REACTS(14),HERB-APA(14),PH- 9045(1),NYTCL-8081(14),NYTCL- 8082(14),REACTCN(14)
L1746621-01I	Glass 500ml/16oz unpreserved	Α	NA		2.3	Y	Absent		IGNIT-1030(14),NYTCL- 8270(14),REACTS(14),HERB-APA(14),PH- 9045(1),NYTCL-8081(14),NYTCL- 8082(14),REACTCN(14)
L1746621-01J	Glass 500ml/16oz unpreserved	Α	NA		2.3	Y	Absent		IGNIT-1030(14),NYTCL- 8270(14),REACTS(14),HERB-APA(14),PH- 9045(1),NYTCL-8081(14),NYTCL- 8082(14),REACTCN(14)
L1746621-01S	Vial unpreserved Extracts	Α	NA		2.3	Υ	Absent		TCLP-VOA(14)
L1746621-01T	Vial unpreserved Extracts	Α	NA		2.3	Υ	Absent		TCLP-VOA(14)
L1746621-01W	Amber 1000ml unpreserved Extracts	Α	NA		2.3	Υ	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)



Lab Number: L1746621

**Report Date:** 12/21/17

**Project Name:** NYSEG LOCKPORT STATE RD. FMR

**Project Number:** 2161270.031

Container Information				Final	Temp			Frozen	
Container ID	Container Type	Cooler	рН	рН	deg C	Pres	Seal	Date/Time	Analysis(*)
L1746621-01X	Plastic 120ml HNO3 preserved Extracts	А	NA		2.3	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1746621-01X9	Tumble Vessel	Α	NA		2.3	Υ	Absent		-



Project Name:NYSEG LOCKPORT STATE RD. FMRLab Number:L1746621Project Number:2161270.031Report Date:12/21/17

#### **GLOSSARY**

#### Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated

values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis

of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes.

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

adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for

which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL

includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less

precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the

values; although the RPD value will be provided in the report.

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

associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound

list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

#### **Footnotes**

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

#### Terms

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

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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

#### Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers



Project Name:NYSEG LOCKPORT STATE RD. FMRLab Number:L1746621Project Number:2161270.031Report Date:12/21/17

#### **Data Qualifiers**

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

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

Report Format: DU Report with 'J' Qualifiers



Project Name: NYSEG LOCKPORT STATE RD. FMR Lab Number: L1746621
Project Number: 2161270.031 Report Date: 12/21/17

#### REFERENCES

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

- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

#### **LIMITATION OF LIABILITIES**

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

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



Alpha Analytical, Inc. Facility: Company-wide

Department: Quality Assurance

Title: Certificate/Approval Program Summary

ID No.:17873

Revision 10

Page 1 of 1

Published Date: 1/16/2017 11:00:05 AM

#### Certification Information

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

#### Westborough Facility

EPA 624: m/p-xylene, o-xylene

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

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

EPA 300: DW: Bromide

EPA 6860: NPW and SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

EPA 9012B: NPW: Total Cyanide EPA 9050A: NPW: Specific Conductance

SM3500: NPW: Ferrous Iron

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

SM5310C: DW: Dissolved Organic Carbon

#### Mansfield Facility

SM 2540D: TSS EPA 3005A NPW

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

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

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

#### The following analytes are included in our Massachusetts DEP Scope of Accreditation

#### Westborough Facility:

#### Drinking Water

EPA 300.0: Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

#### Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, SM4500NO3-F, EPA 353.2: Nitrate-N, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

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

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

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E.

#### **Mansfield Facility:**

#### **Drinking Water**

EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. EPA 245.1 Hg.

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

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

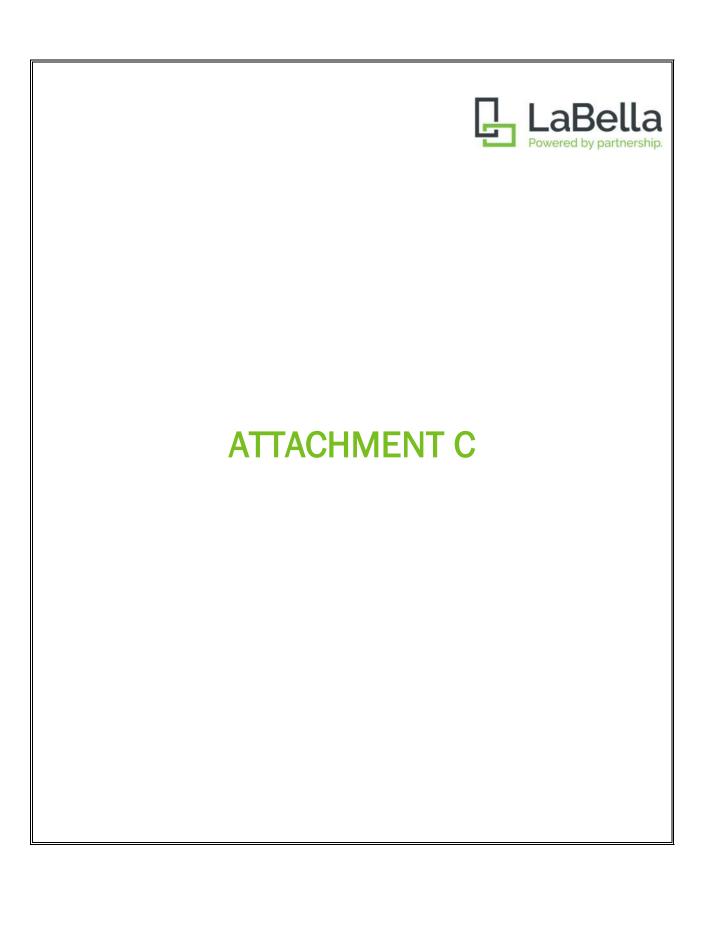
EPA 245.1 Hg.

SM2340B

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

Pre-Qualtrax Document ID: 08-113 Document Type: Form

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Rochester	NY 14618	ALPHAQuote #: 4	1232	A. (10.74)				AWQ	Standa	ards		NYC	P-51		applicable disposal facilities.
Phone: (585) 45	4-6110	Turn-Around Time		A 10 TO	W 2	176	×	NYR	estricte	d Use	П	Other	75		Disposal Facility:
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#### **Data Validation Services**

120 Cobble Creek Road P.O. Box 208 North Creek, NY 12853

Phone 518-251-4429 harry@frontiernet.net

July 20, 2018

Eric Detweiler LaBella Associates 300 State Street Suite 201 Rochester, NY 14614

RE: Validation of the Lockport State Road Site Analytical Laboratory Data

Alpha SDG Nos. L1746394 and L1804333 Data Usability Summary Report (DUSR)

Dear Mr. Detweiler:

Review has been completed for the data packages generated by Alpha Analytical that pertain to samples collected 12/15/17 and 02/02/18 (for total cyanide only) at the Lockport State Road site. Two soil samples were processed for TCL and NYSDEC 6 NYCRR Part 375 CP-51 volatiles, CP-51 semivolatiles, CP-51 pesticides, Aroclor PCBs, TAL metals, and total cyanide. Analytical methodologies utilized are USEPA SW846.

The data packages submitted by the laboratory contain full deliverables for validation, and this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology.

The following items were reviewed:

- \* Data Completeness
- \* Case Narrative
- \* Custody Documentation
- \* Holding Times
- \* Surrogate and Internal Standard Recoveries
- \* Method/ Preparation Blanks
- \* Matrix Spike Recoveries/Duplicate Correlations (metals and total cyanide only)
- \* Laboratory Control Sample (LCS)
- \* Instrumental Tunes
- \* Initial and Continuing Calibration Standards
- \* 1CP Serial Dilution Evaluation
- \* Method Compliance
- \* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B Section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, results for the samples are usable either as reported or with minor qualification or edit, with the exception that 1,4-dioxane results in all samples are rejected due to inherent processing issues.

Project matrix spikes were processed only for metals and total cyanide. Accuracy and precision of the organic analytes has not been determined for these matrices. Data completeness, reproducibility, representativeness, sensitivity, and comparability

Validation qualifier definitions and the client sample identification summaries are attached to this text. Also included in this report are Alpha Anaytical EQuIS EDDs with recommended qualifiers/edits applied in red.

#### **Chain-of-Custody**

Although not requested on the custody form, silvex was processed on the samples collected in December. Although requested on the custody form, silvex was not processed on the samples collected in February.

The final relinquish entries were not present on the custody form related to the total cyanide sample fractions.

#### TCL and CP-51 Volatile Analyses by EPA 8260C

The results for 1,4-dioxane in the samples are rejected due to very low instrument responses (RRFs<0.01). Other calibration standards showed acceptable responses.

Holding times were met. Surrogate and internal standard responses are compliant. Instrument tunes meet fragmentation requirements. LCS recoveries are compliant. Blanks show no contamination.

#### **CP-51 Semivolatile Analyses by EPA8270D**

Surrogate and internal standard responses are compliant. Instrument tunes meet fragmentation requirements. LCS recoveries are within validation guidelines.

Holding times were met. Calibration standards show responses within validation action levels. Blanks show no contamination.

#### Pesticide, Silvex, and Aroclor PCBs by EPA 8081B, 8151A, and 8082A

Surrogate and internal standard responses are compliant. Calibration standards show responses within validation action limits.

Holding times were met, and blanks show no contamination. LCS recoveries are compliant.

#### TAL Metals/CN Analyses by EPA 6010C, 7471B and 9012

The detection of arsenic in Dry Screening\_1 is considered external contamination and edited to reflect non-detection due to presence in the associated method blank.

The matrix spike and duplicate evaluation was performed for all elements except mercury on Dry Screenings\_1 show recoveries and correlations within validation guidelines, with the exceptions of the recoveries for aluminum, thallium, and zinc (47% to 270%), results for which are qualified as estimated in the parent sample.

Due to a low recovery (74%) of the LCS, the results for total cyanide in the samples are qualified as estimated, with a low bias.

The total cyanide matrix spike of Dry Screenings\_1 shows an outlying recovery of 30%, and the result for that compound in the parent sample has been qualified as estimated in value.

The ICP serial dilution evaluation of Dry Screenings\_1 show acceptable correlations, with the exception of those for aluminum and magnesium (22%D and 28%D). The results for those two elements in the parent sample have been qualified as estimated.

Instrument performance is compliant.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Attachments:

Validation Qualifier Definitions

Sample Identifications

Qualified Laboratory EQuIS EDDs

#### **VALIDATION DATA QUALIFIER DEFINITIONS**

- U The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
- J The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
- J- The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
- J+ The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
- UJ The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
- R The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
- EMPC The results do not meet all criteria for a confirmed identification.

  The quantitative value represents the Estimated Maximum Possible

  Concentration of the analyte in the sample.

### **Client and Laboratory Sample IDs**



Lab Number: Report Date: NYSEG LOCKPORT STATE RD FMR 2161270.031 Project Name: Project Number:

Collection tion Date/Time		
	Not Specified	
	DRY SCREENINGS_1 SOIL	CRUSHER RUN#2_1 SO
•	L1746394-01	L1746394-02

Receive Date

12/15/17

L1746394 02/09/18

NYSEG LOCKPORT STATE RD FMR Project Number: Project Name:

2161270.031

Matrix DRY SCREENINGS\_1 Client ID L1804333-01 Alpha Sample ID

SOLID SOLID CRUSHER RUN #2\_1

L1804333-02

LOCKPORT, NY Sample Location

LOCKPORT, NY

02/02/18 14:00 Collection Date/Time

Receive Date

02/02/18 14:15

02/07/18 02/07/18

Report Date:

L1804333 02/11/18

Lab Number:



# Lockport State Road Former MGP Site Regulator Station Rebuild Project Environmental Monitoring and Soil Disposal Oversight February 2018

Truck Load #	<b>Ticket Number</b>	Tons Transported	Transportation Date
1	921398	21.14	2/26/2018
2	921399	21.59	2/26/2018
3	921400	23.44	2/26/2018
4	921432	22.35	2/26/2018
5	921437	20.88	2/26/2018
6	921443	23.28	2/26/2018
7	921501	23.25	2/27/2018
8	921509	19.9	2/27/2018
9	921521	21.37	2/27/2018
10	921548	21.91	2/27/2018
11	921556	23.84	2/27/2018
12	921623	28.92	2/28/2018

Mill Seat Landfill Reprint 303 BREW RD, Ticket# 921398

BERGEN, NY, 14416-9310 Ph: (716) 223-6132 X\*207

SIL SILVAROLE TRUCKING, INC. Customer:ROCHESTERGASELECTRIC-118706NY Carrier Carrier SIL S Vehicle# D107

Ticket Dt:02/26/2018

Payment Type Credit Account Container Manual Ticket# Driver Route Check#

Hauling Ticket# Billing# 0002079 Destination Grid Q15

Manifest 6508776
Profile 118706NY(SOIL & DEBRIS (BRICK, STONE))

Generator 1862550 190-NYSEGLOCKPORT 1) 4504188845 2) 4504188845

	Time		Scale	Operator	Inbound	Gross	68920	lb
In	02/26/18	10:02:15	AM Scale1	bshove		Tare	26640	lb
Out	02/26/18	10:02:15	AM	bshove		Net	42280	lb
						Tons	21	14

Comments

Pro	oduct	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil RCG-Tons-Unspe	100	21.14	Tons			NIA
2	TTE-TRANSPORTATION TRI A	100	21.14	Tons			NIA

Total Tax/Fees Total Ticket

Driver's Signature

1-107



	NON-HAZARDOUS MANIFEST	1. Generator's US	EPA ID No.	Manifest Doc	No.	2. Page 1	500				
	3. Generator's Mailing Address: NYSEG C/O RGE		Generator's Site Address (If different than mailing):  NYSEG  STATE DD  A. Manifest Number  WMNA  6508776								
	1300 SCOTTSVILLE RD. ROCHESTER, NY 14624 4. Generator's Phone 585-500-8392	-	TATE RD. OCKPORT, NY 1409	4				Generator's ID			
	5. Transporter 1 Company Name	'		A ID Number		C. State T	ransporter's II orter's Phone				
	7. Transporter 2 Company Name		8. US EP	A ID Number		E. State Tr	ransporter's II	) Non-Pays Palace			
	9. Designated Facility Name and Site WM OF NEW YORK AT MILL S 303 BREW RD.			10. US EPA ID Number				N/A 585-494-3000			
	BERGEN, NY 14416				ontainers	13. Total	acility Phone				
G	11. Description of Waste Materials			No.	Type	Quantity	14. Unit Wt./Vol.	I. Misc. Comments			
E N	a. NON DOT REGULATED MAT	TERIAL		1		1000	007	100			
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	J. Additional Descriptions for Mate	rials Listed Above		K. Dispo	sal Location	1					
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	15. Special Handling Instructions and a - 118706NY - Soil & De Weight is estimated		JIIVECTOR	e truc ate#	k# 6222	D107					
Ì	Purchase Order #	-13	EMERGENCY	CONTACT / PH	IONE NO.:						
	16. GENERATOR'S CERTIFICATE: I hereby certify that the above-descr accurately described, classified and p							ave been fully and			
т	Printed Name Evic Detweller QS  17. Transporter 1 Acknowledgemen	agent for N	VXEG Signature	in ]	Jet			Month Day Year 2 26 18			
RANSPO	Printed Name STYPHYN  18. Transporter 2 Acknowledgemen	elly	Signature	Jun ?	).uu	3		Month Day Year 2 26 18			
RTER	Printed Name		Signature					Month Day Year			
FACILI	19. Certificate of Final Treatment/Di I certify, on behalf of the above listed applicable laws, regulations, permits 20. Facility Owner or Operator: Cert	treatment facility, t and licenses on the	dates listed above.				ras managed i	n compliance with all			
Y	Printed Name White-TREATMENT, STORAGE, DISP	OSAL FACILITY COPY	Signature  Blue- GENERAT	OR #2 COPY	h	Q Ye	llow- GENERA	Month Day Year 26 18			

Gold-TRANSPORTER #1 COPY

Pink- FACILITY USE ONLY

Mill Seat Landfill Reprint 303 BREW RD, Ticket# 921399

BERGEN, NY, 14416-9310 Ph: (716) 223-6132 X\*207

Customer:ROCHESTERGASELECTRIC-118706NY Carrier SIL SILVAROLE TRUCKING, INC. Vehicle# D108

Ticket Dt:02/26/2018

Payment Type Credit Account Container

Manual Ticket# Driver 10/24/2018

Route Check#

Hauling Ticket# Billing# 0002079 Destination Grid Q15

In the

Manifest 6508777
Profile 118706NY(SOIL & DEBRIS (BRICK, STONE))

Generator 1862550 190-NYSEGLOCKPORT 1) 4504188845 2) 4504188845

	Time		Scale	Operator	Inbound	Gross	69640	lb
In	02/26/18	10:03:59	AM Scale1	bshove		Tare	26460	lb
Out	02/26/18	10:03:59	AM	bshove		Net	43180	lb
						Tons	21	. 59

Comments

Pro	oduct	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil RCG-Tons-Unspe	100	21.59	Tons			NIA
2	TTE-TRANSPORTATION TRI A	100	21.59	Tons			NIA

Total Tax/Fees Total Ticket

Driver's Signature



# MANIFEST NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST	1. Generator's US E	110111111111111111111111111111111111111	Manifest Doc N	lo.	2. Page 1	of			
	Jener		NILVI		1				_
3. Generator's Mailing Address:	Ge	enerator's Site Address (	If different than ma	iling):	A. Manife	st Number			
NYSEG C/O RGE	N'	YSEG			w	MNA	6508	777	
1300 SCOTTSVILLE RD.	ST	TATE RD.					e Generator's ID		_
		OCKPORT, NY 14094				B. State (			
ROCHESTER, NY 14624	L	JCKFOK1, INT 14034	t.						
4. Generator's Phone									
585-500-8392		6. US EPA	ID Number		100000		7777800	No. of Control	720
5. Transporter 1 Company Name		6. O3 EF	( ID INGILIDE)		C State T	anchorter's II	)	let kan f	_
		C.	100		C. State Transporter's ID  D. Transporter's Phone				
		0 4	170		D. Transporter's Phone				
7. Transporter 2 Company Name		8. US EPA	ID Number						
						ansporter's II	)	0.001100	_
					F. Transpo	rter's Phone			
9. Designated Facility Name and Sit		10. US EF	A ID Number						
WM OF NEW YORK AT MILL S	SEAT LANDFILL				G. State F	acility ID	N/A	NO PERMIT	
303 BREW RD.					H. State F	acility Phone	585-4	94-3000	
BERGEN, NY 14416									
BERGEN, NT 14410									
			12. Co	ntainers	13. Total	14. Unit	1.10	isc. Comments	
11. Description of Waste Materials			No.	Туре	Quantity	Wt./Vol.	I. IVII	sc. comments	_
a. NON DOT REGULATED MA	TERIAL					No.			
	en e		None			175			
MAINA Dentile # 11	8706NY			- 19					
La companya di Caranta	8700141								
b.				1111		-67 Vol	100		
					Q14				_
WM Profile #				The contract	PROGRAM.	THE SALE		2.78	100
c. Content					0.00	1000			
C.			0.0	Type	10	Mol.	140		
				100			Page 1		
WM Profile #	VI III		Bank A. Committee						
d.				Of the	Telegal	OVEY W	101		
					Gira				
WM Profile			(T) 1 1 1 1 1	100					41
J. Additional Descriptions for Mat			K. Dispos	al Location	1				
J. Additional Descriptions for Mac	citals assessment								
			Cell				Level		
			Grid						
		ion /	7.0.00	i	1. 11 .				
	d Additional Informat			40111	V # 1	nino			
15. Special Handling Instructions ar		Ji l	ramble	1. mc	F-HI	V 100			
15. Special Handling Instructions ar a $-118706NY - Soil & D$		2110	rarole			0100			
a – 118706NY – Soil & D	ebris	2110				100			
	ebris	2110	arole ate#			100			
a – 118706NY – Soil & D Weight is estimated	ebris	PI	ate#	622		7100			_
a – 118706NY – Soil & D Weight is estimated Purchase Order #	ebris	PI		622		9100			_
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE:	ebris	PI	ate#	6222 ONE NO.:	28 PC			lluand	
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE:	ebris	EMERGENCY	contact/PH	6 222 ONE NO.:	28 PC	le state law, h	nave been fu	lly and	
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE:	ebris	EMERGENCY of hazardous wastes as doroper condition for tran	contact/PH	6 222 ONE NO.:	28 PC	le state law, h			
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-desd accurately described, classified and Printed Name 1	ribed materials are no packaged and are in p	EMERGENCY of hazardous wastes as doroper condition for tran Signature	contact/PH	6 222 ONE NO.:	28 PC	le state law, h	mave been fu	Day	
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-deso accurately described, classified and Printed Name En C Detweller as	ribed materials are no packaged and are in p	EMERGENCY of hazardous wastes as deproper condition for tran	contact/PH	6 222 ONE NO.:	28 PC	le state law, h			
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-deso accurately described, classified and Printed Name En C Detweller as	ribed materials are no packaged and are in p	EMERGENCY of hazardous wastes as deproper condition for tran	contact/PH	6 222 ONE NO.:	28 PC	le state law, h		Day	
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-deso accurately described, classified and Printed Name En C Defueller as  17. Transporter 1 Acknowledgeme	ribed materials are no packaged and are in p	EMERGENCY of hazardous wastes as deproper condition for tran	contact/PH	6 222 ONE NO.:	28 PC	le state law, h		Day	Ц
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-deso accurately described, classified and Printed Name En C Detweller as	ribed materials are no packaged and are in p	EMERGENCY of hazardous wastes as deproper condition for tran	contact/PH	6 222 ONE NO.:	28 PC	le state law, h	Month Z	Day 26	Ц
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-deso accurately described, classified and Printed Name  Printed Name Printed Name	ribed materials are no packaged and are in p agent for N nt of Receipt of Mater	EMERGENCY of hazardous wastes as deproper condition for transition. Signature itals Signature	contact/PH	6 222 ONE NO.:	28 PC	le state law, h	Month Z	Day 26	14
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-dest accurately described, classified and Printed Name  Printed Name Printed Name  18. Transporter 2 Acknowledgement	ribed materials are no packaged and are in p agent for N nt of Receipt of Mater	EMERGENCY of hazardous wastes as doroper condition for tran Signature vials Signature	contact/PH	6 222 ONE NO.:	28 PC	le state law, h	Month Z	Day 26	Ye Ye
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-deso accurately described, classified and Printed Name  Printed Name Printed Name	ribed materials are no packaged and are in p agent for N nt of Receipt of Mater	EMERGENCY of hazardous wastes as deproper condition for transition. Signature itals Signature	contact/PH	6 222 ONE NO.:	28 PC	le state law, h	Month Z Month	Day Day	1 {
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-dest accurately described, classified and Printed Name  Printed Name Printed Name  18. Transporter 2 Acknowledgement	ribed materials are no packaged and are in p agent for N nt of Receipt of Mater	EMERGENCY of hazardous wastes as doroper condition for tran Signature vials Signature	contact/PH	6 222 ONE NO.:	28 PC	le state law, h	Month Z Month	Day Day	1 {
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-deso accurately described, classified and Printed Name  Printed Name  17. Transporter 1 Acknowledgement Printed Name  18. Transporter 2 Acknowledgement Printed Name	ribed materials are no packaged and are in p sagent for N nt of Receipt of Mater nt of Receipt of Mater	EMERGENCY of hazardous wastes as doroper condition for tran Signature vials Signature	contact/PH	6 222 ONE NO.:	28 PC	le state law, h	Month Z Month	Day Day	1 {
Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-dest accurately described, classified and Printed Name Printed Name  17. Transporter 1 Acknowledgeme Printed Name  18. Transporter 2 Acknowledgeme Printed Name	ebris  cribed materials are not packaged and are in packaged and a	EMERGENCY of hazardous wastes as deproper condition for transcribed Signature Signature Signature Signature	contact/PH  contact/PH  efined by CFR I  sportation accord  L  L  L  L  L  L  L  L  L  L  L  L  L	ONE NO.:	any applicab	le state law, h	Month Z Month Month	Day Day	1 {
Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-desc accurately described, classified and Printed Name Printed Name  17. Transporter 1 Acknowledgeme Printed Name  18. Transporter 2 Acknowledgeme Printed Name  19. Certificate of Final Treatment/Licertify, on behalf of the above list	ebris  cribed materials are not packaged and are in packaged and a	EMERGENCY  of hazardous wastes as deproper condition for transcription of the signature states of the	contact/PH  contact/PH  efined by CFR I  sportation accord  L  L  L  L  L  L  L  L  L  L  L  L  L	ONE NO.:	any applicab	le state law, h	Month Z Month Month	Day Day	1 {
Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-descaccurately described, classified and Printed Name Printed Name  17. Transporter 1 Acknowledgement Printed Name  18. Transporter 2 Acknowledgement Printed Name  19. Certificate of Final Treatment/I certify, on behalf of the above list applicable laws, regulations, perminted Name	ebris  cribed materials are not packaged and are in packaged and are packaged and are packaged and packaged	EMERGENCY  of hazardous wastes as deproper condition for transcription of the signature state of the signature sta	contact / PH  contact / PH  efined by CFR I  sportation according  where the according to t	ONE NO.:	any applicable regulations and applicable regulations are supplicable regulations.	le state law, h	Month Z Month Month	Day Day	1 {
a – 118706NY – Soil & D Weight is estimated  Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-dest accurately described, classified and Printed Name  17. Transporter 1 Acknowledgeme Printed Name  18. Transporter 2 Acknowledgeme Printed Name  19. Certificate of Final Treatment/I certify, on behalf of the above list applicable laws, regulations, perminted Pacificate of Printed Name  20. Facility Owner or Operator: Certify	ebris  cribed materials are not packaged and are in packaged and are packaged and are packaged and packaged	EMERGENCY of hazardous wastes as doroper condition for tran Signature iials Signature that to the best of my kn dates listed above. of non-hazardous materia	contact / PH  contact / PH  efined by CFR I  sportation according  where the according to t	ONE NO.:	any applicable regulations and applicable regulations are supplicable regulations.	le state law, h	Month  Month  Month  In complian	Day Day Ce with all	Ye /_
Purchase Order #  16. GENERATOR'S CERTIFICATE: I hereby certify that the above-descaccurately described, classified and Printed Name Printed Name  17. Transporter 1 Acknowledgement Printed Name  18. Transporter 2 Acknowledgement Printed Name  19. Certificate of Final Treatment/I certify, on behalf of the above list applicable laws, regulations, perminted Name	ebris  cribed materials are not packaged and are in packaged and are packaged and are packaged and packaged	EMERGENCY  of hazardous wastes as deproper condition for transcription of the signature state of the signature sta	contact / PH  contact / PH  efined by CFR I  sportation according  where the according to t	ONE NO.:	any applicable regulations and applicable regulations are supplicable regulations.	le state law, h	Month Z Month Month	Day Day	1 {

Pink- FACILITY USE ONLY

Gold-TRANSPORTER #1 COPY

Mill Seat Landfill Reprint Ticket# 921400 303 BREW RD,

BERGEN, NY, 14416-9310 Ph: (716) 223-6132 X\*207

SIL SILVAROLE TRUCKING, INC. Customer:ROCHESTERGASELECTRIC-118706NY Carrier Carrier SIL S Vehicle# D103

Ticket Dt:02/26/2018

Payment Type Credit Account Container

Manual Ticket# Driver 2/9/2018 Route 75000

Check#

Hauling Ticket# Billing# 0002079 Destination Grid Q15

Manifest 6508778
Profile 118706NY(SOIL & DEBRIS (BRICK, STONE))

Generator 1862550 190-NYSEGLOCKPORT 1) 4504188845 2) 4504188845 PO#

Operator Inbound 74880 lb Scale Gross In 02/26/18 10:05:59 AM Scale1 28000 lb bshove Tare 46880 lb Out 02/26/18 10:05:59 AM bshove Net Tons 23.44

Comments

Pro	duct	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil RCG-Tons-Unspe	100	23.44	Tons			NIA
2	TTE-TRANSPORTATION TRI A	100	23.44	Tons			NIA

Total Tax/Fees Total Ticket

Driver's Signature Wall



NON-HAZARDOUS MANIFEST	1. Generator's US E	PA ID No.	Manifest Doc	No.	2. Page :				
	1907		1110			1			
3. Generator's Mailing Address:		enerator's Site Address	(If different than m	ailing):	A. Manif	est Number			
NYSEG C/O RGE		YSEG			V	VMNA	6508	778	
1300 SCOTTSVILLE RD.	ST	TATE RD.				B. State Generator's ID			
ROCHESTER, NY 14624	LC	OCKPORT, NY 1409	4		The second of the second				
4. Generator's Phone					1				
585-500-8392		T 2			-			-	-
5. Transporter 1 Company Name		6. US EP	A ID Number		111111	mmm	11111116	1110	1,131
					Transporter's II	)	-	111	
7. Teamenaster 3 Communic Name		- 115.55	. 10.11		D. Trans	porter's Phone	CONTRACTOR OF THE PARTY OF THE		
7. Transporter 2 Company Name		8. US EP	A ID Number		111111	HHHHE	BEEL BY	1.10	366
						Transporter's ID	)		
9. Designated Facility Name and Site	Address	10. US E	PA ID Number		F. Transp	oorter's Phone	2222222	5 5 5 5 5	-
WM OF NEW YORK AT MILL SE		10. 032	ra ib ivallibei		C State	Carilla ID	***	8855	333
303 BREW RD.	AT LANDTILL					Facility ID	N/A		
BERGEN, NY 14416					H. State	Facility Phone	585-49	94-300	10
DENOEN, NY 14410	EN, NY 14416								
11. Description of Waste Materials			12. Co	ntainers	13. Total	14. Uriit	i. Mis	c. Comme	nts
a. NON DOT REGULATED MATE	ERIAL		140.	Туре	Quantity	Wt./Vol.			-
			Visv	l'Ing					
WM Profile # 1187	706NY		83333	33333			No.		
b.			133777	27377	1		変ない場		
			163	10,00		Vet.			
WALE - 71 - 11									
c. WM Profile #		7.6	(3333)	33372	115,000		<b>建艾克科</b>	552	5723
				Cons	= 1				
WM Profile #					11.				
d.		7.5	11111	11111	21011		TARRE	-12	PALL
-				Line:					
					long.	4.0 2			
WM Profile #	PRINTLAND		\$1111	66883	55533	53333	44114	1831	3.50
J. Additional Descriptions for Materia	ils Listed Above		K. Disposa	l Location	22222	1222221	22233	3331	5.84
			Cell				Level		
15. Special Handling Instructions and A	dditional Information		Grid						
a – 118706NY – Soil & Deb		Silva	role tr	uck	#- D-1	03			
	ris	Da	104 -	1//					
Weight is estimated		1/0/	le# 7	266	1				
Purchase Order #									
	1.11	EMERGENCY C	ONTACT / PHO	NE NO.:					
.6. GENERATOR'S CERTIFICATE:									
hereby certify that the above-describe ccurately described, classified and pact	d materials are not h	azardous wastes as def	ined by CFR Pa	rt 261 or ar	ny applicable	state law have	e heen fully	and	
eccurately described, classified and paci	kaged and are in prop	ser condition for transp	ortation accord	ding to app	Heaple regul	ations.	c occirraily	ariu	
nE Detweiter as a	1. 1.	Signature	10	11			Month	Day	Year
7. Transporter 1 Acknowledgement of		2017	217	ery			2 2	26	18
Printed Name	Receipt of Materials								
Krith Wil	(	Signature	1 1	11	1		Month	Day	Yr
8. Transporter 2 Acknowledgement of	Receipt of Materials	1000	16	in			22	6	7
Printed Name	neceipt of Materials	161							•
		Signature					Month	Day	
0.40								1	
Certificate of Final Treatment/Dispos	sal							1	
ertify, on behalf of the above listed tre plicable laws, regulations, permits and	atment facility, that t	to the best of my know	edge, the abov	e-describe	d was				
plicable laws, regulations, permits and	licenses on the dates	s listed above.	Se, the abov	e-describe	u waste was	s managed in co	ompliance ·		
. Facility Owner or Operator Certifica	tion of receipt of nor	n-hazardous materials c	ounted by	ler-mifact					
Printed Name			Cheered DA Besch						
EX \ / -		Signature	D X	markitest.				- 1	
1/20			B	L	,		Monti		
EX \ / -	FACILITY COPY		BA	Lu	(	w- GENERATOR	2		ı

Mill Seat Landfill Reprint Ticket# 921432 303 BREW RD,

BERGEN, NY, 14416-9310 Ph: (716) 223-6132 X\*207

SIL SILVAROLE TRUCKING, INC. Customer:ROCHESTERGASELECTRIC-118706NY Carrier Vehicle# D107

Ticket Dt:02/26/2018

Payment Type Credit Account Container Manual Ticket# Driver Route Check#

Hauling Ticket# Billing# 0002079 Destination Grid Q15

Manifest 6508780
Profile 118706NY(SOIL & DEBRIS (BRICK, STONE))

Generator 1862550 190-NYSEGLOCKPORT 1) 4504188845 2) 4504188845

71340 lb Scale Operator Inbound Gross In 02/26/18 01:01:16 PM Scale1 lb bshove Tare 26640 Out 02/26/18 01:01:16 PM bshove Net 44700 lb Tons 22.35

Comments

Pro	oduct	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil RCG-Tons-Unspe	100	22.35	Tons			NIA
2	TTE-TRANSPORTATION TRI A	100	22.35	Tons			NIA

Total Tax/Fees Total Ticket

Driver's Signature

D-10



	1. Generator's U	JS EPA ID No.	Manifest Doc	No.	2. Page 1	of		
NON-HAZARDOUS MANIFEST					1			
3. Generator's Mailing Address:		Generator's Site Add	dress (If different than m	ailing):	A. Manife	st Number	T	
NYSEG C/O RGE		NYSEG				MNA	650	8780
1300 SCOTTSVILLE RD.		STATE RD.			VV			
		LOCKPORT, NY 1	1094			B. State C	Generator's	S ID
ROCHESTER, NY 14624		LUCKPUKT, INT I	4034					
4. Generator's Phone 585-500-8392								
5. Transporter 1 Company Name		6. I	JS EPA ID Number		222	17.5.5.7	222	3332
3. Hansporter 2 company Hame		1 7			C. State T	ransporter's II	D	
SHOW A STANCE OF STANCE					orter's Phone			
7. Transporter 2 Company Name		8. US EPA ID Number				13333	1333	7777
5 5 5					E. State T	ransporter's II	0	1 1 1
					F. Transp	orter's Phone		of the Land
9. Designated Facility Name and Sit	te Address	10.	US EPA ID Number		535		6551	5555
WM OF NEW YORK AT MILL S		1			G. State F	acility ID	N/A	D 10 10 10
303 BREW RD.	JE711 E7111511E							494-3000
4 T. M.		2012/01/2013		3.3.3.	H. State F	acility Phone	303-	434-3000
BERGEN, NY 14416		3.550		६६६३	122	1. 金宝宝	333	5.2.2.2.
		3 2 3 3	12.00	ontainers	13. Total	14. Unit		
11. Description of Waste Materials	·		No.	Туре	Quantity	Wt./Vol.	1. 1	Misc. Comments
a. NON DOT REGULATED MA	TERIAL			7 1	16 11	10.75		
				1 0	40	31 - 11		7 ( )
WM Profile # 11	8706NY		5.3.2	1553	1555	1555	532	
b.					1 14			
			14.	4	36	7 4 1	8	
			3.3.3	444	222	222	0.00	22221
WM Profile #	7 11 11 1		13.51	222	223		255	化化元 三日
c. West form			-1	V 4		V15176		
				-		Desire State State	10000000	
WM Profile #	WASH SHEET	Witte file	74	100	No. of the	5 (0.40)	10000000	
d.								
					10.7			
WM Profile	#		100	3.33	115	13.33	633	2555
J. Additional Descriptions for Mate	erials Listed Above		K. Dispo	sal Location				
			Cell				Level	
			Grid					
<ol><li>Special Handling Instructions an</li></ol>	id Additional Inform	nation Situation	ole truck	_ + D	-107			
a - 118706NY - Soil & D	ebris	D/ I	1 / 200	00-	,- 1			
Weight is estimated		Pleut	e#6222	7 rc				
Troight is commuted								
Purchase Order #		FMFRGI	ENCY CONTACT / PH	ONE NO -				
16. GENERATOR'S CERTIFICATE:			,,	0.112.1.011				
I hereby certify that the above-descr	albad masterials are		and defined by CED I	761		a atas law ha		H d
accurately described, classified and							ave been fu	illy and
Printed Name /	packaged and are ii	Signature		I dilig to ap	piicabie regu	idtions.	Month	Day Ye
Ene Detweiter as a	gent for N	YSEG 2	m2 1 0=	te.D			Z	26 1
17. Transporter 1 Acknowledgemen		erials		-				
Printed Name	it of mose,profilmen	Signature	A 1 C	-			Month	Day Ye
STEPHEN DUIL	ALC:	Signature	todu	-)			2	26 1
18. Transporter 2 Acknowledgemen	nt of Receipt of Mat	erials	sepan	- Le	ung		2	9619
Printed Name		Signature			_		Month	Day Ye
THE PARTY OF THE P		Jigilature					Model	10
19. Certificate of Final Treatment/D	isposal							
I certify, on behalf of the above liste	d treatment facility	, that to the best of m	y knowledge, the al	ove-descri	bed waste w	as managed in	n complian	ce with all
applicable laws, regulations, permits	s and licenses on the	e dates listed above.					thouse	
20. Facility Owner or Operator: Cer	tification of receipt	of non-hazardous ma	terial <u>s cover</u> ed by t	nis manifest				
Printed Name		Signature	1) \				Month	Day Yes
15x 1 h	1		15	1/1	0 -		2	2001
White-TREATMENT, STORAGE, DISP	OSAL FACILITY COP	Y Blue- GEN	ERATOR #2 COPY	),	Ye	llow- GENERA	TOR #1 CO	)PY

Pink-FACILITY USE ONLY

Gold-TRANSPORTER #1 COPY

Mill Seat Landfill Reprint 303 BREW RD, Ticket# 921437

BERGEN, NY, 14416-9310 Ph: (716) 223-6132 X\*207

Customer:ROCHESTERGASELECTRIC-118706NY Carrier SIL SILVAROLE TRUCKING, INC.

Vehicle# D103 Ticket Dt:02/26/2018

Payment Type Credit Account Container

Manual Ticket# Driver 2/9/2018 Route 75000 Check#

Hauling Ticket# Billing# 0002079

Destination

Manifest 6508779
Profile 118706NY(SOIL & DEBRIS (BRICK, STONE))

Generator 1862550 190-NYSEGLOCKPORT 1) 4504188845 2) 4504188845

	Time		Scale	Operator	Inbound	Gross	69760	lb
In	02/26/18	01:17:41	PM Scale1	bshove		Tare	28000	lb
Out	02/26/18	01:17:41	PM	bshove		Net	41760	lb
						Tons	2.0	88

Grid

Q15

Comments

Pro	oduct	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil RCG-Tons-Unspe	100	20.88	Tons			NIA
2	TTE-TRANSPORTATION TRI A	100	20.88	Tons			NIA

Total Tax/Fees Total Ticket

Driver's Signature and Mele



NON-HAZARDOUS MANIFEST	1. Generator's US	EPA ID No.	Manifest Doc I	No.	2. Page 1				
NON-HAZARDOUS MANIFEST	1 1 1	S. H. S.	*indu	O.	1				
3. Generator's Mailing Address:	G	ienerator's Site Addres	SS (If different than m	ailing):	A. Manife	est Number			
NYSEG C/O RGE	N	NYSEG			W	MNA	6508779		
1300 SCOTTSVILLE RD.	S	TATE RD.				B. State	Generator's ID		
ROCHESTER, NY 14624	L	OCKPORT, NY 140	94						
4. Generator's Phone									
585-500-8392					-				
5. Transporter 1 Company Name		6. US E	PA ID Number		15.5	5332.	2222222		
					_	ransporter's I			
		8. US E	PA ID Number		D. Transp	orter's Phone	F 7 F 5 5 5 5 5		
7. Transporter 2 Company Name		8. USE	PA ID Number		F State T	ransporter's I	D		
						orter's Phone			
9. Designated Facility Name and Site	e Address	10. US	EPA ID Number		3.3.5	1 1	<b>英工工工工工工</b>		
WM OF NEW YORK AT MILL S					G. State I	Facility ID	N/A		
303 BREW RD.						Facility Phon	585-494-3000		
BERGEN, NY 14416			CS-22-7-7-7-	355	4566	222	7222333		
DE110211, 111 21 122					188	1			
11. Description of Waste Materials				ntainers	13. Total	14. Unit	I. Misc. Comments		
	TEDIAL		No.	Туре	Quantity	Wt./Vol.			
a. NON DOT REGULATED MAT	LINAL			PT	222	1	The second		
WM Profile # 118	8706NV		3.5.5	111		E 2 20	#333333		
b.	3700141		1442	220	222	-			
				0.0	36	V. / 16	A Dan William		
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WM Profile #			15 5 5	222	1555	2 2 2 2			
c.				81		1 V	1 1 1 1		
MAR D El- H			222	222	1111	5555			
d. WM Profile #			122	222	2222	5550	1.0000000		
a.			100	1	10.00	V 176	25 (6 10 16		
							**		
WM Profile #			V Disease	al Lacation	1222	1255	TRUE SEE SEE		
J. Additional Descriptions for Mate	rials Listed Above		k. Dispos	al Location	1				
			Cell				Level		
			Grid				1		
15. Special Handling Instructions and	d Additional Informat	tion Silvauro	la track	# 1	-103				
a - 118706NY - Soil & De	ehris	SIMONO	ie truck	- 10	100				
Weight is estimated		Plate#	72669						
weight is estimated									
Purchase Order #	1.66	FMERGENC	Y CONTACT / PH	ONE NO.:					
L6. GENERATOR'S CERTIFICATE:									
hereby certify that the above-descr	ihed materials are no	nt hazardous wastes as	defined by CER P	art 261 or	any applicab	le state law h	ave been fully and		
accurately described, classified and p							ave been rony and		
Printed Name	. 0	Signature	NZ	-1)	,		Montil Day		
ric Detweiter as age	ent for NYSI	Eg ju	1dest	2			2 26		
17. Transporter 1 Acknowledgemen	t of Receipt of Materi	ials	^						
Printed Name	1 1	Signature	2 /	Mel	1		Mortin 2024		
Merry 1	1011	Kn	V	par			2-601		
8. Transporter 2 Acknowledgement	t of Receipt of Materi								
Printed Name		Signature					Montil Day		
							1 1		
.9. Certificate of Final Treatment/Di	sposal						7 3		
certify, on behalf of the above listed		hat to the best of my k	nowledge, the at	ove-descr	ibed waste v	vas managed i	incompliance with all		
applicable laws, regulations, permits						-0			
0. Facility Owner or Operator: Cert	ification of receipt of	f non-hazardous mater	ials covered by th	nis manifes	t.		4 8		
Reinted Name		Signature	21)				Month Day		
4/1/10			Na	-0			2261		
White- TREA MENT, STORAGE, DISP	OSAL FACILITY COPY	Blue- GENERA	FOR #2 COPY	-	Ye	ellow- GENERA	ATOR #1 COPY		

Gold-TRANSPORTER #1 COPY

Pink- FACILITY USE ONLY

Mill Seat Landfill Reprint Ticket# 921443 303 BREW RD,

BERGEN, NY, 14416-9310 Ph: (716) 223-6132 X\*207

Customer:ROCHESTERGASELECTRIC-118706NY Carrier SIL SILVAROLE TRUCKING, INC. Vehicle# D108

Ticket Dt:02/26/2018

Payment Type Credit Account Container

Manual Ticket# Driver 10/24/2018

Route Check#

Hauling Ticket# Billing# 0002079 Destination Grid Q15

Chi Kim

Manifest 6508781 Profile 118706NY(SOIL & DEBRIS (BRICK, STONE))

Generator 1862550 190-NYSEGLOCKPORT 1) 4504188845 2) 4504188845

Operator Inbound 73020 lb Scale Gross In 02/26/18 01:44:42 PM Scale1 bshove Tare 26460 lb 46560 lb Out 02/26/18 01:44:42 PM bshove Net Tons 23.28

Comments

Pro	oduct	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil RCG-Tons-Unspe	100	23.28	Tons			NIA
2	TTE-TRANSPORTATION TRI A	100	23.28	Tons			NIA

Total Tax/Fees Total Ticket

Driver's Signature



	NON-HAZARDOUS MANIFEST	1. Generator's U	IS EPA ID No.	М	anifest Doc I	No.	2. Page 1				
	THE REPORT OF THE PARTY OF THE	l III	26 (10)				1				
	3. Generator's Mailing Address:		Generator's Si	ite Address (If	different than m	ailing):	A. Manife	st Number			
	NYSEG C/O RGE		NYSEG				w	MNA	6508781		
	1300 SCOTTSVILLE RD.		STATE RD.					P1117012270-1	Generator's ID		
	ROCHESTER, NY 14624		LOCKPORT,	NY 14094							
	4. Generator's Phone										
	585-500-8392										
	5. Transporter 1 Company Name		6.	US EPA I	D Number		3331	12221	CEEKEEE	<b>建</b> 套面	
	beaution to the second			(	211	00		ransporter's II		14 14	
	7. Transporter 2 Company Name			8 17 190				orter's Phone		222	
	7. Transporter 2 Company Name		٥.	8. US EPA ID Number				ransporter's IC	122222	222	
	The state of the state of the state of							orter's Phone			
	9. Designated Facility Name and Site	Address	10.	US EPA	ID Number		r. manspe	rter's Phone	132221	(3.5.5	
	WM OF NEW YORK AT MILL S		1				G. State F	acility ID	N/A	-	
	303 BREW RD.							acility Phone	585-494-300	20	
	BERGEN, NY 14416		2.53	-3333	1111	1251	11. State 1	acinty Priorie	303 434 300		
			17.23	11555	5555	६६६।	(333)	(દેકેટર	22223		
	11. Description of Waste Materials					ntainers	13. Total	14. Unit	I. Misc. Comme	ents	
G		CDIAL			No.	Туре	Quantity	Wt./Vol.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
E	a. NON DOT REGULATED MAT	ERIAL			1	DT	120	T	STREET, N		
E	WAS Deadle # 110	ZOENV			5555	222	2000	12221	22222	222	
R	b. WM Profile # 118	ZUGNY			2223	222	2233	1555		222	
A	<b>b.</b>				The same	"VI I	10.00	Variety.			
T											
OR	WWW Frome #	1445	to left		5553	13.22	2223	5353	111111	333	
"	c. 4.1				l lio.	V-1	20	212	1,30,909		
	THE SECRET OF THE CONTROL OF THE CON				-	-	1.7			-	
		176 8 30 9	1.0.6		EE # 2	222	2223	0333	1235XX	5 5 5 5	
	d. V 10 10 V 10					75	0.26	10 10	3 8 80		
							0.7				
	WM Profile #	111111			1555	556	5555	1232	<b>1.1 多多多多多</b>		
	J. Additional Descriptions for Mater	rials Listed Above			K. Dispos	al Location	1				
	Administration of the second				C-II						
					Cell	_			Level		
	15. Special Handling Instructions and	Additional Inform	ation (1	1. 1.		1 11	D 100				
	a – 118706NY – Soil & De		211	lvarole	Iru	KI	D-108	,			
			DI	ate #	6170	8 Pr	,				
	Weight is estimated		1 10	UC 4	U LUZ	-010					
	Purchase Order #			AEDCENICY CO	NITACT / DUI	ONE NO					
			EN	MERGENCY CO	NIACI / PHO	JNE NO.:					
	16. GENERATOR'S CERTIFICATE:								W 3700		
	I hereby certify that the above-descrit accurately described, classified and page	bed materials are r	not hazardous v	wastes as defin	ed by CFR P	art 261 or	any applicable	state law, ha	ive been fully and		
	Printed Name / 7	ackaged and are in	Signa		Tratibulacto	dillig to ap	plicable regul	ations.	Month Day	Year	
	Enz Detweiler as a	gent for N	YSEG	you	100	122	1		2 26	18	
T	17. Transporter 1 Acknowledgement		erials		/	n	11			110	
A	Printed Name	1-1	Signa	ture /	11/	1/	W,		Month Day	Year	
5	Upine	L=1Ave		/	10	1 1			2 26	10	
0	18. Transporter 2 Acknowledgement	of Receipt of Mate	erials			C				10	
Ţ	Printed Name		Signa	ture					Month Day	Year	
R											
	19. Certificate of Final Treatment/Dis	posal									
F	I certify, on behalf of the above listed	M 17 Decision 1	that to the bes	t of my knowl	edge, the ah	ove-descri	bed waste wa	as managed in	compliance with a	, 1	
C	applicable laws, regulations, permits a	and licenses on the	dates listed ab	ove.	0-) 11.0 00	weder	- TO HOSE WE	- manageu III	complaince with al		
1	20. Facility Owner of Operator: Certi	fication of receipt	of non-hazardo	us materials c	overed by th	įs manifest					
Ţ	Printed Name		Signa		510				Month Day	Year	
	50/10			( '	511	he			221	15	
	White-TREATMENT, STORAGE, DISPO	SAL FACILITY COPY	Y Blue-	- GENERATOR	#2 COPY		Yel	ow- GENERAT	TOR #1 COPY	10	

Gold-TRANSPORTER #1 COPY

Pink- FACILITY USE ONLY

Mill Seat Landfill Reprint 303 BREW RD, Ticket# 921501

BERGEN, NY, 14416-9310 Ph: (716) 223-6132 X\*207

Customer:ROCHESTERGASELECTRIC-118706NY Carrier SIL SILVAROLE TRUCKING, INC. Vehicle# D108

Ticket Dt:02/27/2018

Payment Type Credit Account Container

Manual Ticket# Driver 10/24/2018

Route Check#

Hauling Ticket# Billing# 0002079 Destination Grid Q15

Chillen

Manifest 6508783
Profile 118706NY(SOIL & DEBRIS (BRICK, STONE))

Generator 1862550 190-NYSEGLOCKPORT 1) 4504188845 2) 4504188845

	Time		Scale	Operator	Inbound	Gross	72960	lb
In	02/27/18	09:37:52	AM Scale1	bshove		Tare	26460	lb
Out	02/27/18	09:37:52	AM	bshove		Net	46500	lb
						Tons	23.	. 25

Comments

Pro	oduct	LD%	Qty	MOU	Rate	Tax/Fee Amount	Origin
1	Cont Soil RCG-Tons-Unspe	100	23.25	Tons			NIA
2	TTE-TRANSPORTATION TRI A	100	23.25	Tons			NIA

Total Tax/Fees Total Ticket

Driver's Signature



	1. Generator's US EPA	ID No.	Manifest Doc	No.	2. Page 1 (	of			
NON-HAZARDOUS MANIFEST	10.1				1				
3. Generator's Mailing Address: NYSEG C/O RGE	Gene NYS	erator's Site Addres EG	S (If different than m	nailing):	120000	st Number	6508783		
1300 SCOTTSVILLE RD. ROCHESTER, NY 14624 4. Generator's Phone 585-500-8392	5000	TE RD. KPORT, NY 1409	94			B. State Generator's ID			
5. Transporter 1 Company Name	•	6. USE	PA ID Number	λ	C. State Transporter's ID D. Transporter's Phone				
7. Transporter 2 Company Name		8. US E	PA ID Number	0	E. State Tr	ansporter's IC			
9. Designated Facility Name and Site WM OF NEW YORK AT MILL SI 303 BREW RD.		10. US	EPA ID Number		G. State F	N/A 585-494-3000			
BERGEN, NY 14416			12. 0	ontainers	13. Total	14. Unit	I. Misc. Comments		
a. NON DOT REGULATED MAT	ERIAL		No.	DT	Quantity 220	Wt./Vol.	Line -		
WM Profile # 118	706NY	71							
WM Profile #	MAN TO PROPERTY.				City.	VI _			
<b>c.</b> • *** [(a)					19(v.)	Anary	i de la liga		
d. Waste	WII 26340		No	- no	121		FRIDA		
WM Profile #			K Disease	osal Location		A 1093	C - 30E 1		
J. Additional Descriptions for Mate	rials Listed Above		Cell	osai Locatioi	1		Level		
15. Special Handling Instructions and a - 118706NY - Soil & De Weight is estimated			k truck		108				
Purchase Order #  16. GENERATOR'S CERTIFICATE:	The state of		CY CONTACT / PI						
I hereby certify that the above-descr accurately described, classified and p Printed Name Enc Detweler as a	gent for NYS	per condition for tra	defined by CFR ensportation acc	Part 261 or cording to a	pplicable regu	le state law, h	Month Day Yea		
17. Transporter 1 Acknowledgemen Printed Name  18. Transporter 2 Acknowledgemen	1 ElAM	Signature		al en	Ph		Month Day Yea		
Printed Name		Signature					Month Day Yea		
19. Certificate of Final Treatment/D I certify, on behalf of the above liste applicable laws, regulations, permits	d treatment facility, that and licenses on the dat	tes listed above.				was managed	in compliance with all		
20. Facility Owner or Overator: Cer	tification of receipt of n	on-hazardous mate	rials covered by	this manife	est.		Month Day Yea		

Pink- FACILITY USE ONLY

Gold-TRANSPORTER #1 COPY

Mill Seat Landfill Reprint 303 BREW RD, Ticket# 921509

BERGEN, NY, 14416-9310 Ph: (716) 223-6132 X\*207

Customer:ROCHESTERGASELECTRIC-118706NY Carrier SIL SILVAROLE TRUCKING, INC. Vehicle# D103

Ticket Dt:02/27/2018

Payment Type Credit Account Container

Manual Ticket# Driver 2/9/2018 Route 75000 Check#

11th Mel.

Hauling Ticket# Billing# 0002079 Destination Grid Q15

Manifest 6508784
Profile 118706NY(SOIL & DEBRIS (BRICK, STONE))

Generator 1862550 190-NYSEGLOCKPORT 1) 4504188845 2) 4504188845

	Time		Scale	Operator	Inbound	Gross	67800	lb
In	02/27/18	09:56:06	AM Scale1	bshove		Tare	28000	lb
Out	02/27/18	09:56:06	AM	bshove		Net	39800	lb
						Tons		19.9

Comments

Pro	duct	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil RCG-Tons-Unspe	100	19.9	Tons			NIA
2	TTE-TRANSPORTATION TRI A	100	19.9	Tons			NIA

Total Tax/Fees Total Ticket

Driver's Signature



	WASTE MANAGEMENT	1. Generator's U	JS EPA ID N	o. • N	Manifest Doc	No.	2. Page 1	of				
	NON-HAZARDOUS MANIFEST						1					
	3. Generator's Mailing Address:	1	Generato	r's Site Address (II	different than m	nailing):	A. Manife	st Number				
	NYSEG C/O RGE		NYSEG					MNA	650	8784		
	1300 SCOTTSVILLE RD.		STATE R	D			VV	C72.0104.054.0				
	ROCHESTER, NY 14624			RT, NY 14094				B. State	Generator'	SID		
	4. Generator's Phone		LOCKFO	N1, N1 14034								
	585-500-8392											
	5. Transporter 1 Company Name		6.	US EPA	ID Number		12.53	2533	335	3.5.1	18.8	
							C. State T	ransporter's I				
							D. Transp	orter's Phone				
	7. Transporter 2 Company Name		8.	US EPA	ID Number		CER	是重要的	REE	188	221	
							E. State Tr	ransporter's I	D	1.30.00	7. 11.	
					Bode I		F. Transpo	orter's Phone				
	9. Designated Facility Name and Site	Address	10.	. US EP	A ID Number		222	1533	112	重要量	23	
	WM OF NEW YORK AT MILL S	EAT LANDFILL					G. State F	G. State Facility ID N/A				
	303 BREW RD.						H. State F	acility Phone	585-	494-300	0	
	BERGEN, NY 14416		-20	22222	2333	535	1535	444	1. 元祖	127	33	
	CONTRACTOR STATEMENT OF A BASE AND THE CONTRACTOR OF A SECOND		- 3		(电电池	222	1233	555	555	宝宝宝	主王	
	11. Description of Waste Materials					ontainers	13. Total Quantity	14. Unit Wt./Vol.	I.	Misc. Commer	nts	
G	a. NON DOT REGULATED MAT	TEDIAL			No.	Туре	2000000	VVI./VOI.	_	N/A 585-494-3000  1. Misc. Comments		
E N	a. NON DOT REGULATED MAT	IERIAL			1	DT	2.20					
E	14/84 Profile # 110	TOCHY				N 76-76-	5333	333	5.3.3	3, 3, 1	10.0	
R	WM Profile # 118	SZUBNY				2.2.5	1111	1222	30.36-3	2.2	20.76	
Α	b. 11 11 11				144	Ave.	1.79	70.10.1	1			
T												
O R	WM Profile #	2 To 30 D			18.8	1 2 3	12.2	1533	15.5	医克里克	2.0	
N	C.				16	. 0.	OL.	VS VITAL	1 4			
						-	N 42 W		-		_	
	WM Profile #	N. L. II. I	S. H. J.		12.3	1-5-5	5.5.5.	5551	化安全	北西日	123	
	d.			504	al.	V / w	1					
				1, 70								
	WM Profile #	1 1 1 1			335	555	888	李 张				
	J. Additional Descriptions for Mate	rials Listed Above										
					C-11					_		
					Cell	_			Level			
	15. Special Handling Instructions and	Additional Inform	nation	61		Tierre	LIN	D-103				
	a – 118706NY – Soil & De		Tation	211	Menore	Iruc	r I	103				
		EDIIS		1	Dalak	7266	9 MA					
	Weight is estimated				rmte=	1200	HIVI P	1				
-	Db D			FI IFRCFI CI	ONT. OT / BU	0115110						
	Purchase Order #			EMERGENCY C	UNTACT / PH	ONE NO.:						
	16. GENERATOR'S CERTIFICATE:		22	57 - 1000			1000		25 85	222		
	I hereby certify that the above-descri accurately described, classified and p	bed materials are	not hazardo	ous wastes as def	ined by CFR F	art 261 or a	ny applicable	e state law, h	ave been fi	ully and		
1	Printed Name	ackaged and are in		ignature	ortation acco	promis logo	plicable regul	lations.	Month	Day	Year	
	1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	gent for	NYSEA	Em	120	w			2.	27	18	
т	17. Transporter 1 Acknowledgement	-	10.00		10					-		
A	Printed Name	I		ignature	^	1 1	2		Month	Day	Year	
N S	Beth No!		13.5	/Luch	7 1	well			7	27	R	
0	18. Transporter 2 Acknowledgement	of Receipt of Mate	erials	l						,		
R T	Printed Name	S	ignature					Month	Day	Year		
E R												
19. Certificate of Final Treatment/Disposal												
FA	I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all											
ĉ	applicable laws, regulations, permits and licenses on the dates listed above.											
i	20. Facility Owner or perator Certi				covered by H	is manifest						
Printed Name Signature					7)(	)			Month	Day	Year	
18 hue					St 142 2 271				16			
	White-TREATMENT, STORAGE, DISPO	DSAL FACILITY COP	γ	Blue- GENERATO	R #2 COPY	μ	Yel	low- GENERA	TOR #1 CC	)PY	10	

Pink- FACILITY USE ONLY

Gold-TRANSPORTER #1 COPY

Mill Seat Landfill Reprint 303 BREW RD, Ticket# 921521

BERGEN, NY, 14416-9310 Ph: (716) 223-6132 X\*207

SIL SILVAROLE TRUCKING, INC. Customer:ROCHESTERGASELECTRIC-118706NY Carrier Vehicle# D107

Ticket Dt:02/27/2018

Payment Type Credit Account Container Manual Ticket# Driver Route Check#

Hauling Ticket# Billing# 0002079 Destination Grid Q15

Manifest 6508782 Profile 118706NY(SOIL & DEBRIS (BRICK, STONE))

Generator 1862550 190-NYSEGLOCKPORT 1) 4504188845 2) 4504188845

	Time		Scale	Operator	Inbound	Gross	69380	lb
In	02/27/18	10:21:38	AM Scale1	bshove		Tare	26640	lb
Out	02/27/18	10:21:38	AM	bshove		Net	42740	lb
						Tons	21	. 37

Comments

Pro	duct	LD%	Qty	MOU	Rate	Tax/Fee Amount	Origin
1	Cont Soil RCG-Tons-Unspe	100	21.37	Tons			NIA
2	TTE-TRANSPORTATION TRI A	100	21.37	Tons			NIA

Total Tax/Fees Total Ticket

Driver's Signature

D- [D]



Pink- FACILITY USE ONLY

# NON-HAZARDOUS MANIFEST

1300 SCOTTSVILLE RD.  ROCHESTER, NY 14624  4. Generator's Phone 585-500-8392  5. Transporter 1 Company Name  STATE RD.  B. State Gene  Company Name	6508782 erator's ID								
NYSEG C/O RGE 1300 SCOTTSVILLE RD. ROCHESTER, NY 14624 4. Generator's Phone 585-500-8392  S. Transporter 1 Company Name  NYSEG  NYSEG  WMNA  B. State Gene	erator's ID								
1300 SCOTTSVILLE RD.  ROCHESTER, NY 14624 4. Generator's Phone 585-500-8392 5. Transporter 1 Company Name 6. US EPA ID Number	erator's ID								
1300 SCOTTSVILLE RD.  ROCHESTER, NY 14624  4. Generator's Phone 585-500-8392  5. Transporter 1 Company Name  6. US EPA ID Number	erator's ID								
ROCHESTER, NY 14624  4. Generator's Phone 585-500-8392  5. Transporter 1 Company Name  6. US EPA ID Number									
4. Generator's Phone 585-500-8392 5. Transporter 1 Company Name 6. US EPA ID Number									
585-500-8392  5. Transporter 1 Company Name  6. US EPA ID Number									
C. State Transporter's ID									
THE TOTAL PROPERTY OF THE PROP	BA 190								
D. Transporter's Phone									
7. Transporter 2 Company Name 8. US EPA ID Number									
E. State Transporter's ID									
F. Transporter's Phone	104								
9. Designated Facility Name and Site Address 10. US EPA ID Number	上 生 平 平								
WM OF NEW YORK AT MILL SEAT LANDFILL  G. State Facility ID N/	/A								
303 BREW RD. H. State Facility Phone	585-494-3000								
BERGEN, NY 14416	383-434-3000								
	75. 75. 75.								
11. Description of Waste Materials  12. Containers  13. Total  14. Unit  No. Type Quantity Wt./Vol.	I. Misc. Comments								
E - NON DOT REGULATED MATERIAL									
N DT ~20 T									
E WM Profile # 118706NY	THE PART OF								
R h styles steel									
A T									
WM Profile #									
C. Man Man									
WM Profile #	286-286-286-								
www.rione#									
d.									
WM Profile #	Level								
J. Additional Descriptions for Materials Listed Above  K. Disposal Location									
Cell Le	avel .								
Grid	ever								
15 Consideration to the second and second an									
a – 118706NY – Soil & Debris  TRUCK D – 107									
a - 110/00/17 - 30/1 & DEDITS									
Weight is estimated									
Purchase Order # EMERGENCY CONTACT / PHONE NO.:									
16. GENERATOR'S CERTIFICATE:									
I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.	been fully and								
0.14418	Month Day Year								
Enz Detweiler as agent to NYSEG En Detal	2 27 18								
17. Transporter 1 Acknowledgement of Receipt of Materials									
R Printed Name Signature	Month Day Year								
" STEPhEN DENNY Stedy Deum	2 27 18								
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed Name Signature	Month Day Year								
E R									
19. Certificate of Final Treatment/Disposal									
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.									
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this magifest.									
	Month Day Year								
1 1 1 Le	22716								
White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY Blue- GENERATOR #2 COPY Yellow- GENERATOR	#1 COPY								

Gold-TRANSPORTER #1 COPY

Mill Seat Landfill Reprint 303 BREW RD, Ticket# 921548

BERGEN, NY, 14416-9310 Ph: (716) 223-6132 X\*207

Customer:ROCHESTERGASELECTRIC-118706NY Carrier SIL SILVAROLE TRUCKING, INC. Vehicle# D108

Ticket Dt:02/27/2018

Payment Type Credit Account Container

Manual Ticket# Driver 10/24/2018

Route Check#

Hauling Ticket# Billing# 0002079 Destination Grid Q15

Clay Man

Manifest 6508785
Profile 118706NY(SOIL & DEBRIS (BRICK, STONE))

Generator 1862550 190-NYSEGLOCKPORT 1) 4504188845 2) 4504188845

	Time		Scale	Operator	Inbound	Gross	70280	lb
In	02/27/18	12:30:47	PM Scale1	bshove		Tare	26460	lb
Out	02/27/18	12:30:47	PM	bshove		Net	43820	lb
						Tons	21.	.91

Comments

Pro	oduct	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil RCG-Tons-Unspe	100	21.91	Tons			NIA
2	TTE-TRANSPORTATION TRI A	100	21.91	Tons			NIA

Total Tax/Fees Total Ticket

Driver's Signature



THOSE MANAGEMENT	1	D 4 10 41	11	NI-	2.0	-6				
NON-HAZARDOUS MANIFEST	1. Generator's US E	PA ID No.	Manifest Doc	NO.	2. Page 1					
3. Generator's Mailing Address: NYSEG C/O RGE	375	enerator's Site Addres YSEG	S (If different than n	nailing):	15000	st Number	65087	85		
1300 SCOTTSVILLE RD. ROCHESTER, NY 14624 4. Generator's Phone 585-500-8392	1 30	TATE RD. OCKPORT, NY 1409	94		B. State Generator's ID					
5. Transporter 1 Company Name Silvarole Tru	1/1/20	6. USE	PA ID Number	9			ter's ID <i>8</i> A 190			
7. Transporter 2 Company Name	icking	8. US t	PA ID Number	9 30	E. State T	D. Transporter's Phone  E. State Transporter's ID				
9. Designated Facility Name and Site		10. US	EPA ID Number	U		orter's Phone	ty ID N/A			
WM OF NEW YORK AT MILL S 303 BREW RD. BERGEN, NY 14416	SEAT LANDFILL			-	G. State F	acility ID acility Phone				
11. Description of Waste Materials			12. C No.	ontainers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc	Comments		
a. NON DOT REGULATED MA	TERIAL		194	DT	220	T				
b. WM Profile # 11		Mondies	Al-y				Cor	ninnts		
c. Pasta Nama					7d5/	Wt./Vol.				
d. Waste Har	The second		20-7-	(vje			1,171	18-109/5119		
J. Additional Descriptions for Mat		hy .	K. Dispo	osal Locatio	n		Level			
15. Special Handling Instructions ar a – 118706NY – Soil & D Weight is estimated	ebris	ion Thu	Grid CK D-1	08						
Purchase Order #  16. GENERATOR'S CERTIFICATE:	0.00	St. St. St. Co.	CY CONTACT / P							
I hereby certify that the above-desc accurately described, classified and Printed Name To Transporter 1 Acknowledgeme	packaged and are in pout for NYSEC	Signature	defined by CFR	Part 261 of	applicable reg	ulations.	Month	Day Yea		
Printed Name  Printed Name  18. Transporter 2 Acknowledgeme	E/Aca	Month 3					Day Yea			
Printed Name		Signature					Month	Day Yea		
19. Certificate of Final Treatment/I	ed treatment facility, t	that to the best of my dates listed above.	knowledge, the	above-desc	ribed waste	was managed	in compliance	with all		
20. Facility Owner or Operator: Ce	ertification of receipt o	f non-hazardous mate	rials covered by	this manife	est.		Month	Day Ye		
18	SPOSAL FACILITY COPY	Blue- GENER	ATOR #2 COPY	$S \cup S$		ellow- GENER	RATOR #1 COP	7/12		

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Gold-TRANSPORTER #1 COPY

Mill Seat Landfill Reprint Ticket# 921556 303 BREW RD,

BERGEN, NY, 14416-9310 Ph: (716) 223-6132 X\*207

Customer:ROCHESTERGASELECTRIC-118706NY Carrier SIL SILVAROLE TRUCKING, INC. Vehicle# D103

Ticket Dt:02/27/2018

Payment Type Credit Account Container

Manual Ticket# Driver 2/9/2018 Route 75000 Check#

Hauling Ticket# Billing# 0002079 Destination Grid Q15

Manifest 6508786
Profile 118706NY(SOIL & DEBRIS (BRICK, STONE))

Generator 1862550 190-NYSEGLOCKPORT 1) 4504188845 2) 4504188845

75680 lb Scale Operator Inbound Gross In 02/27/18 01:09:53 PM Scale1 bshove Tare 28000 1b Out 02/27/18 01:09:53 PM bshove Net 47680 lb Tons 23.84

This vehicle was over the legal weight limit . Comments

The Mull

Pro	duct	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil RCG-Tons-Unspe	100	23.84	Tons			NIA
2	TTE-TRANSPORTATION TRI A	100	23.84	Tons			NIA

Total Tax/Fees Total Ticket

Driver's Signature



		1. Generator's US	EPA ID No.	Man	ifest Doc N	lo.	2. Page 1	of				
	NON-HAZARDOUS MANIFEST						1					
1	3. Generator's Mailing Address:		Generator's Site Ac	ddress (if diff	erent than ma	illing):	A. Manife	est Number				
	NYSEG C/O RGE	11.0	NYSEG			6/-	1.55.11.55.01.55	MNA	6508	786		
	1300 SCOTTSVILLE RD.		STATE RD.				VV	05/5/02				
	ROCHESTER, NY 14624		LOCKPORT, NY	14094					Senerator's I			
	4. Generator's Phone	100	LOCKI OKI, IVI	14034								
	585-500-8392											
1	5. Transporter 1 Company Name		6.	US EPA ID	Number		2111	2122121212121212121212121				
	Silvarole Tru	La					C. State T	C. State Transporter's ID 8A-190				
	STIVAVOR IVU	iking					D. Transp	D. Transporter's Phone				
	7. Transporter 2 Company Name	)	8.	US EPA ID	Number		1111	FFFEE	53111	100	111	
							E. State T	ransporter's IC	)	1.1		
							F. Transp	orter's Phone				
	9. Designated Facility Name and Site		10.	US EPA ID	Number	3355	15555			333		
	WM OF NEW YORK AT MILL SE	AT LANDFILL				G. State F	acility ID	N/A				
	303 BREW RD.					H. State F	acility Phone	585-49	34-300	0		
	BERGEN, NY 14416		11111	1111	1111	3335	51111	11111	3333	322	188	
			55555	18886	5553	3553	3333	55555	2111		1183	
	11. Description of Waste Materials				No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Mis	c. Commen	its	
G E	a. NON DOT REGULATED MAT	FRIAI			, 40,	· inc	-12					
N	a. NON DOT REGOLATED WAT	LINIAL			1	DT	220	T	100	N/A 585-494-3000 I. Misc. Comments		
E	WM Profile # 118	TOENY			2222	35.00	3333	EERES	2225	223	13013	
R	b.	700141				1222	22223	23500				
A					100							
T				-						-		
R		P. R. Jones B. St.			8222	2222	5222	6.5.555		483	7.80	
	c. V A V M A A				10.0		200 117	VIII (	100			
				-		10000				000	225	
1	d. WM Profile #	Visit Self f			00.024		ESSES	2 6 5 5	09373	222	17.7	
	a. V A TE CHIE					1.36	0, 1	100				
							3 1					
	WM Profile #	1997 3 11 163				1111	3355	11111	(4,6,6)	33)	933	
	J. Additional Descriptions for Mater	ials Listed Above			K. Disposa	al Location						
				-	Cell			The state of the s				
				-	Cell	-			Level			
ı	15. Special Handling Instructions and	Additional Informa	tion	_								
	a – 118706NY – Soil & De		-	Inc	h. #	D-10	2					
		0113			1		)					
- 1	Weight is estimated											
1	Purchase Order #		514500	ENGV CONT								
+			EMERG	ENCY CONT	ACT / PHO	NE NO.:						
	16. GENERATOR'S CERTIFICATE:											
	I hereby certify that the above-described	ed materials are no	ot hazardous waste	s as defined	by CFR Pa	rt 261 or a	ny applicable	e state law, ha	ve been fully	and		
1	accurately described, classified and pa Printed Name	ckaged and are in p	Signature	r transporta	ion accord	ding to app	olicable regul	ations.				
	Enc Detweiler as ago	ent for NY	FG 2	mi	)tu	$\cup$			Month	Day	Year	
T	17. Transporter 1 Acknowledgement	of Receipt of Mater	ials	- /					4	4	18	
RA	Printed Name	p / / / / / / / / / / / / / / / / /	Signature	0	11	1						
N S	Neith Noll		Kel	THE	110	$\alpha$			Month	Oary .	18	
0	18. Transporter 2 Acknowledgement of	of Receipt of Mater	ials t						1		,0	
R T	Printed Name		Signature						Month	David	Wass	
ER									Month	Day	Year	
+	19 Cartificate of Final Teachers (5)	1										
	19. Certificate of Final Treatment/Disp											
c	I certify, on behalf of the above listed t applicable laws, regulations, permits ar	reatment facility, the	hat to the best of m	ny knowledg	ge, the abo	ve-describ	ed waste wa	as managed in	compliance	with all		
1	20. Facility Owner of Operator: Certifi	cation of receipt of	non hazzadowe.	starial	and boots							
-	Printed Name	cation of receipt of		rerials cove	red by this	manifest.						
4	150 /		Signature	150	1	) .			Month	Day	Year	
	White TOTAL TOTAL TOTAL	AL FACILITY COST		12	1	1			0 8	ナフ	18	
	White- TREATMENT STORAGE, DISPOS	AL FACILITY COPY	Blue- GEN	ERATOR #2	COPY		Yell	ow- GENERAT	OR #1 COPY		( 0	

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Mill Seat Landfill

303 BREW RD,

Ticket# 921623

BERGEN, NY, 14416-9310 Ph: (716) 223-6132 X\*207

Customer:ROCHESTERGASELECTRIC-118706NY Carrier SIL SILVAROLE TRUCKING, INC.

Ticket Dt:02/28/2018 Vehicle# D108

Payment Type Credit Account Container

Manual Ticket# Driver 10/24/2018

Route Check#

Hauling Ticket# Billing# 0002079
Destination Grid Q15

Manifest 6508795

Profile 118706NY(SOIL & DEBRIS (BRICK, STONE))

Generator 1862550 190-NYSEGLOCKPORT PO# 1) 4504188845 2) 4504188845

84300 lb Scale Operator Inbound Gross In 02/28/18 09:47:53 AM Scale1 26460 bshove Tare 1b Out 02/28/18 09:47:53 AM bshove Net 57840 lb Tons 28.92

Comments This vehicle was over the legal weight limit .

Chal Alm

Pro	duct	LD%	Qty	UOM	Rate	Tax/Fee Amount	Origin
1	Cont Soil RCG-Tons-Unspe	100	28.92	Tons			NIA
2	TTE-TRANSPORTATION TRI A	100	28.92	Tons			NIA

Total Tax/Fees Total Ticket

Driver's Signature



		1. Generator's U	S EPA ID No.	Ma	nifest Doc I	No.	2. Page 1	of				
	NON-HAZARDOUS MANIFEST	91					1					
	3. Generator's Mailing Address: NYSEG C/O RGE 1300 SCOTTSVILLE RD.		Generator's Site A NYSEG STATE RD.	ddress (if di	ifferent than m	ailing):	155001000000000000000000000000000000000	st Number		8795		
	ROCHESTER, NY 14624 4. Generator's Phone 585-500-8392		LOCKPORT, NY	14094					Generator'			
	5. Transporter 1 Company Name Silvarole True	ckara	6.	US EPA ID		0		e Transporter's ID 8AIGO				
	7. Transporter 2 Company Name	-115	8.	US EPA ID	.// /		36.3	ransporter's II	la Te	3-3	- 3-	
			- 40				F. Transpo	orter's Phone		115		
	<ol> <li>Designated Facility Name and Site</li> <li>WM OF NEW YORK AT MILL SI</li> <li>303 BREW RD.</li> </ol>		10.	USEPAI	D Number		G. State F		N/A	40.4.200	0	
	BERGEN, NY 14416		C 35. 3	L Table	5.5	5.5	H. State F	acility Phone	585-	494-300	U	
	11. Description of Waste Materials					ntainers	13. Total	14. Unit	1	Misc. Comme	nts	
G E	a. NON DOT REGULATED MAT	ERIAL			No.	Туре	220	Wt./Vol.		ATTI		
N E	WM Profile # 118	706NV			750, 75	PI	w	70	796.7	No. 754	- 700	
R A T O	b. sal, an					Тург	i il	West (fel)		or ten		
R	c. WM Profile #	700 00			100-12			1000	BL - SE	100	100	
	WM Profile #				1000	The	O.,	1./	-18510		- 1000	
	d.				-			1000 1000	300	100	-	
	WM Profile #				() 07 (2000)	100	ΩN	11/1		-		
	J. Additional Descriptions for Mater	ials Listed Above			K. Dispos	al Location			7 45	1000		
					Cell Level							
	15. Special Handling Instructions and Additional Information a – 118706NY – Soil & Debris Weight is estimated  Grid  Truck # D-108  Plate 62228 PC											
	Purchase Order #		EMER	GENCY CON	NTACT / PHO	ONE NO.:						
	16. GENERATOR'S CERTIFICATE: I hereby certify that the above-describ accurately described, classified and pa	ped materials are n	ot hazardous wast	es as define	ed by CFR Pa	art 261 or a	ny applicable	e state law, ha	ive been fu	illy and		
	Printed Name , 7	ent for NYS	Signature	_	5/-	2 tz	2	2 1	Month	28	18	
T R	17. Transporter 1 Acknowledgement Printed Name	of Receipt of Mate				//	1	//				
RAN	Printed Name	Elan	Signature		$\sim$ $_{/}$	11.	11		Month	Day	Year / C	
POR	18. Transporter 2 Acknowledgement	of Receipt of Mate	rials		_	The C			-	00	10	
T E R	Printed Name		Signature						Month	Day	Year	
FACIL	19. Certificate of Final Treatment/Disposal  I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.											
TY	20. Facility Owner or Operator: Certif	Signature	$\rightarrow$	32	is manifest.			Month	28	18		

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Yellow- GENERATOR #1 COPY