

Table 1
UST Side Wall Sample
NYSEG - Goshen Former MGP Site
Goshen, New York

Location ID: Date Collected:	DER-10 Restricted Residential Use	Units	UST-SW 08/11/16
PCBs			
Aroclor-1016	1	mg/kg	0.028 U
Aroclor-1221	1	mg/kg	0.028 U
Aroclor-1232	1	mg/kg	0.028 U
Aroclor-1242	1	mg/kg	0.028 U
Aroclor-1248	1	mg/kg	0.028 U
Aroclor-1254	1	mg/kg	0.028 U
Aroclor-1260	1	mg/kg	0.028 U
Volatile Organics			
1,1,1,2-Tetrachloroethane	--	mg/kg	0.0050 U
1,1,1-Trichloroethane	0.68	mg/kg	0.0020 U
1,1,2,2-Tetrachloroethane	--	mg/kg	0.0020 U
1,1,2-Trichloroethane	--	mg/kg	0.0020 U
1,1-Dichloroethane	0.27	mg/kg	0.0020 U
1,1-Dichloroethene	0.33	mg/kg	0.0020 U
1,1-Dichloropropene	--	mg/kg	0.0050 U
1,2,3-Trichlorobenzene	--	mg/kg	0.0050 U
1,2,3-Trichloropropane	--	mg/kg	0.0050 U
1,2,4-Trichlorobenzene	--	mg/kg	0.0050 U
1,2,4-Trimethylbenzene	3.6	mg/kg	0.0050 U
1,2-Dibromo-3-chloropropane	--	mg/kg	0.0050 U
1,2-Dibromoethane	--	mg/kg	0.0020 U
1,2-Dichlorobenzene	1.1	mg/kg	0.0020 U
1,2-Dichloroethane	0.02	mg/kg	0.0020 U
1,2-Dichloropropane	--	mg/kg	0.0020 U
1,3,5-Trimethylbenzene	8.4	mg/kg	0.0050 U
1,3-Dichlorobenzene	2.4	mg/kg	0.0020 U
1,3-Dichloropropane	--	mg/kg	0.0050 U
1,4-Dichlorobenzene	1.8	mg/kg	0.0020 U
1,4-Dioxane	0.1	mg/kg	0.13 U
2,2-Dichloropropane	--	mg/kg	0.0050 U
2-Butanone	0.12	mg/kg	0.010 U
2-Chlorotoluene	--	mg/kg	0.0050 U
2-Hexanone	--	mg/kg	0.010 U
4-Chlorotoluene	--	mg/kg	0.0050 U
4-Methyl-2-pentanone	--	mg/kg	0.0050 U
Acetone	0.05	mg/kg	0.0065 J
Benzene	0.06	mg/kg	0.00050 U
Bromobenzene	--	mg/kg	0.0050 U
Bromochloromethane	--	mg/kg	0.0050 U
Bromodichloromethane	--	mg/kg	0.0020 U
Bromoform	--	mg/kg	0.0020 U
Bromomethane	--	mg/kg	0.0020 U
Carbon Disulfide	--	mg/kg	0.0050 U
Carbon Tetrachloride	0.76	mg/kg	0.0020 U
Chlorobenzene	1.1	mg/kg	0.0020 U
Chloroethane	--	mg/kg	0.0050 U
Chloroform	0.37	mg/kg	0.0020 U
Chloromethane	--	mg/kg	0.0050 U
cis-1,2-Dichloroethene	0.25	mg/kg	0.0020 U
cis-1,3-Dichloropropene	--	mg/kg	0.0020 U
Dibromochloromethane	--	mg/kg	0.0020 U
Dibromomethane	--	mg/kg	0.0050 U
Dichlorodifluoromethane	--	mg/kg	0.0020 U
Ethylbenzene	1	mg/kg	0.0020 U
Hexachlorobutadiene	--	mg/kg	0.0050 U

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Iodomethane	--	mg/kg	0.0050 U
Isopropylbenzene	--	mg/kg	0.0050 U
m&p-Xylene	--	mg/kg	0.0020 U
Methyl tert-butyl ether	0.93	mg/kg	0.0020 U
Methylene Chloride	0.05	mg/kg	0.0020 U
Naphthalene	12	mg/kg	0.00066 J
n-Butylbenzene	--	mg/kg	0.0050 U
n-Propylbenzene	3.9	mg/kg	0.0050 U
o-Xylene	--	mg/kg	0.0020 U
p-Isopropyltoluene	--	mg/kg	0.0050 U
sec-Butylbenzene	11	mg/kg	0.0050 U
Styrene	--	mg/kg	0.0050 U
tert-Butylbenzene	12	mg/kg	0.0050 U
Tetrachloroethene	1.3	mg/kg	0.0020 U
Toluene	0.7	mg/kg	0.0050 U
trans-1,2-Dichloroethene	0.19	mg/kg	0.0020 U
trans-1,3-Dichloropropene	--	mg/kg	0.0020 U
Trichloroethene	0.47	mg/kg	0.0020 U
Trichlorofluoromethane	--	mg/kg	0.0020 U
Vinyl Acetate	--	mg/kg	0.0050 U
Vinyl Chloride	0.02	mg/kg	0.0020 U
Xylenes (total)	1.6	mg/kg	0.0020 U
Semivolatile Organics			
1,2,4-Trichlorobenzene	--	mg/kg	0.29 U
1,2-Dichlorobenzene	1.1	mg/kg	0.29 U
1,2-Diphenylhydrazine	--	mg/kg	0.29 U
1,3-Dichlorobenzene	2.4	mg/kg	0.29 U
1,4-Dichlorobenzene	1.8	mg/kg	0.29 U
1-Methylnaphthalene	--	mg/kg	0.29 U
2,4,5-Trichlorophenol	--	mg/kg	0.58 U
2,4,6-Trichlorophenol	--	mg/kg	0.58 U
2,4-Dichlorophenol	--	mg/kg	0.58 U
2,4-Dimethylphenol	--	mg/kg	0.58 U
2,4-Dinitrophenol	--	mg/kg	0.58 U
2,4-Dinitrotoluene	--	mg/kg	0.58 U
2,6-Dinitrotoluene	--	mg/kg	0.58 U
2-Chloronaphthalene	--	mg/kg	0.29 U
2-Chlorophenol	--	mg/kg	0.29 U
2-Methylnaphthalene	--	mg/kg	0.12 U
2-Methylphenol	0.33	mg/kg	0.58 U
2-Nitroaniline	--	mg/kg	0.58 U
2-Nitrophenol	--	mg/kg	0.58 U
3&4-Methylphenol	0.33	mg/kg	0.58 U
3,3'-Dichlorobenzidine	--	mg/kg	0.58 U
3-Nitroaniline	--	mg/kg	0.58 U
4,6-Dinitro-2-methylphenol	--	mg/kg	0.58 U
4-Bromophenyl-phenylether	--	mg/kg	0.29 U
4-Chloro-3-Methylphenol	--	mg/kg	0.58 U
4-Chloroaniline	--	mg/kg	0.58 U
4-Chlorophenyl-phenylether	--	mg/kg	0.29 U
4-Nitroaniline	--	mg/kg	0.58 U
4-Nitrophenol	--	mg/kg	0.58 U
Acenaphthene	98	mg/kg	0.12 U
Acenaphthylene	100	mg/kg	0.12 U
Aniline	--	mg/kg	0.58 U
Anthracene	100	mg/kg	0.12 U
Benzidine	--	mg/kg	0.58 U
Benzo(a)anthracene	1	mg/kg	0.029 J

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Location ID: Date Collected:	DER-10 Restricted Residential Use	Units	UST-SW 08/11/16
Benzo(a)pyrene	1	mg/kg	0.016 J
Benzo(b)fluoranthene	1	mg/kg	0.018 J
Benzo(g,h,i)perylene	100	mg/kg	0.014 J
Benzo(k)fluoranthene	1.7	mg/kg	0.12 U
Benzoic Acid	--	mg/kg	0.58 U
Benzyl Alcohol	--	mg/kg	0.58 U
bis(2-Chloroethoxy)methane	--	mg/kg	0.29 U
bis(2-Chloroethyl)ether	--	mg/kg	0.29 U
bis(2-Chloroisopropyl)ether	--	mg/kg	0.29 U
bis(2-Ethylhexyl)phthalate	--	mg/kg	0.29 U
Butylbenzylphthalate	--	mg/kg	0.29 U
Carbazole	--	mg/kg	0.12 U
Chrysene	1	mg/kg	0.031 J
Dibenzo(a,h)anthracene	0.333	mg/kg	0.12 U
Dibenzofuran	59	mg/kg	0.12 U
Diethylphthalate	--	mg/kg	0.29 U
Dimethylphthalate	--	mg/kg	0.29 U
Di-n-Butylphthalate	--	mg/kg	0.29 U
Di-n-Octylphthalate	--	mg/kg	0.29 U
Fluoranthene	100	mg/kg	0.10 JB
Fluorene	100	mg/kg	0.12 U
Hexachlorobenzene	1.2	mg/kg	0.29 U
Hexachlorobutadiene	--	mg/kg	0.29 U
Hexachlorocyclopentadiene	--	mg/kg	0.58 U
Hexachloroethane	--	mg/kg	0.29 U
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	0.29 U
Isophorone	--	mg/kg	0.29 U
Naphthalene	12	mg/kg	0.12 U
Nitrobenzene	--	mg/kg	0.29 U
N-Nitrosodimethylamine	--	mg/kg	0.58 U
N-Nitroso-di-n-propylamine	--	mg/kg	0.29 U
N-Nitrosodiphenylamine	--	mg/kg	0.29 U
Pentachlorophenol	0.8	mg/kg	0.58 U
Phenanthrene	100	mg/kg	0.040 J
Phenol	0.33	mg/kg	0.29 U
Pyrene	100	mg/kg	0.057 JB
Pyridine	--	mg/kg	0.58 U
Inorganics			
Arsenic	16	mg/kg	6.50
Barium	400	mg/kg	65.4
Beryllium	47	mg/kg	0.660
Cadmium	4.3	mg/kg	0.240 B
Chromium	--	mg/kg	18.3
Copper	270	mg/kg	26.1
Lead	400	mg/kg	18.3
Manganese	2,000	mg/kg	479
Mercury	0.73	mg/kg	0.0340 B
Nickel	130	mg/kg	25.4
Selenium	4	mg/kg	0.950 U
Silver	8.3	mg/kg	0.470 U
Zinc	2,480	mg/kg	73.6
Miscellaneous			
Cyanide	27	mg/kg	0.12 U

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Location ID: Date Collected:	DER-10 Restricted Residential Use	Units	UST-SW 08/11/16
Pesticides			
4,4'-DDD	13	mg/kg	0.0057 U
4,4'-DDE	8.9	mg/kg	0.0057 U
4,4'-DDT	7.9	mg/kg	0.0057 U
Aldrin	0.097	mg/kg	0.0057 U
Alpha-BHC	0.02	mg/kg	0.0057 U
Alpha-Chlordane	2.9	mg/kg	0.0057 U
Beta-BHC	0.09	mg/kg	0.0057 U
Delta-BHC	0.25	mg/kg	0.0057 U
Dieldrin	0.1	mg/kg	0.0057 U
Endosulfan I	24	mg/kg	0.0057 U
Endosulfan II	24	mg/kg	0.0057 U
Endosulfan Sulfate	24	mg/kg	0.0057 U
Endrin	0.06	mg/kg	0.0057 U
Endrin Aldehyde	--	mg/kg	0.0057 U
Endrin Ketone	--	mg/kg	0.0057 U
Gamma-BHC (Lindane)	0.1	mg/kg	0.0057 U
Gamma-Chlordane	--	mg/kg	0.0057 U
Heptachlor	0.38	mg/kg	0.0057 U
Heptachlor Epoxide	--	mg/kg	0.0057 U
Methoxychlor	--	mg/kg	0.0057 U
Toxaphene	--	mg/kg	0.057 U
Herbicides			
2,4,5-T	--	mg/kg	0.023 U
2,4,5-TP	3.8	mg/kg	0.023 U
2,4-D	--	mg/kg	0.023 U

Acronyms and Abbreviations:

B = Indicates results $\geq$ method detection limit (MDL) but $<$ reporting limit (RL)
J = Indicates an estimated value
U = The compound was analyzed for but not detected. The associated value
is the compound quantitation limit
mg/kg = milligram per kilogram

Notes:

1. Bolding indicates a detection
2. Samples collected by Arcadis on the dates indicated.
3. Samples analyzed by SGS Accutest located in Marlborough Massachusetts.

Report of Analysis

Client Sample ID:	UST-SW		
Lab Sample ID:	MC47275-1	Date Sampled:	08/11/16
Matrix:	SO - Soil	Date Received:	08/12/16
Method:	SW846 8260C	Percent Solids:	84.5
Project:	NYSEG Goshen, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M80357.D	1	08/15/16	KP	n/a	n/a	MSM2875
Run #2							

	Initial Weight	Final Volume
Run #1	5.89 g	5.0 ml
Run #2		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.5	10	3.3	ug/kg	J
71-43-2	Benzene	ND	0.50	0.38	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.45	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.41	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	2.0	0.48	ug/kg	
74-83-9	Bromomethane	ND	2.0	0.47	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	3.4	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.36	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.38	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.38	ug/kg	
75-15-0	Carbon disulfide ^a	ND	5.0	0.41	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.41	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.22	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.39	ug/kg	
67-66-3	Chloroform	ND	2.0	0.51	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.75	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.43	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.45	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.5	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.25	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.0	0.30	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.37	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.40	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.45	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.41	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.0	0.40	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.0	0.37	ug/kg	
75-35-4	1,1-Dichloroethene ^a	ND	2.0	0.69	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.36	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.41	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.44	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: UST-SW
Lab Sample ID: MC47275-1
Matrix: SO - Soil
Method: SW846 8260C
Project: NYSEG Goshen, NY

Date Sampled: 08/11/16
Date Received: 08/12/16
Percent Solids: 84.5

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	0.39	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	0.41	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	0.37	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.38	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.25	ug/kg	
123-91-1	1,4-Dioxane	ND	130	20	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.38	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	0.57	ug/kg	
591-78-6	2-Hexanone	ND	10	1.3	ug/kg	
74-88-4	Iodomethane ^a	ND	5.0	0.38	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.44	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.37	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.66	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.66	ug/kg	
74-95-3	Methylene bromide	ND	5.0	0.50	ug/kg	
75-09-2	Methylene chloride	ND	2.0	0.42	ug/kg	
91-20-3	Naphthalene	0.66	5.0	0.61	ug/kg	J
103-65-1	n-Propylbenzene	ND	5.0	0.41	ug/kg	
100-42-5	Styrene	ND	5.0	0.31	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.47	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.25	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.30	ug/kg	
108-88-3	Toluene	ND	5.0	0.40	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.68	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.35	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.43	ug/kg	
79-01-6	Trichloroethene	ND	2.0	0.31	ug/kg	
75-69-4	Trichlorofluoromethane	ND	2.0	0.32	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.57	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.38	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.32	ug/kg	
108-05-4	Vinyl Acetate	ND	5.0	0.80	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.55	ug/kg	
	m,p-Xylene	ND	2.0	0.79	ug/kg	
95-47-6	o-Xylene	ND	2.0	0.35	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.35	ug/kg	

ND = Not detected MDL = Method Detection Limit

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Report of Analysis

Client Sample ID:	UST-SW	Date Sampled:	08/11/16
Lab Sample ID:	MC47275-1	Date Received:	08/12/16
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8260C		
Project:	NYSEG Goshen, NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		65-141%
2037-26-5	Toluene-D8	103%		65-129%
460-00-4	4-Bromofluorobenzene	102%		63-137%

(a) Continuing Calibration outside of acceptance criteria. Reporting Limit response verified by low-level standard.

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Report of Analysis

Client Sample ID:	UST-SW		
Lab Sample ID:	MC47275-1	Date Sampled:	08/11/16
Matrix:	SO - Soil	Date Received:	08/12/16
Method:	SW846 8270D SW846 3546	Percent Solids:	84.5
Project:	NYSEG Goshen, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X12141.D	1	08/17/16	MR	08/15/16	OP48433	MSX406
Run #2							

	Initial Weight	Final Volume
Run #1	20.4 g	1.0 ml
Run #2		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	580	38	ug/kg	
95-57-8	2-Chlorophenol	ND	290	13	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	580	13	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	580	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	580	240	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	580	120	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	580	58	ug/kg	
95-48-7	2-Methylphenol	ND	580	62	ug/kg	
	3&4-Methylphenol	ND	580	51	ug/kg	
88-75-5	2-Nitrophenol	ND	580	45	ug/kg	
100-02-7	4-Nitrophenol	ND	580	67	ug/kg	
87-86-5	Pentachlorophenol	ND	580	66	ug/kg	
108-95-2	Phenol	ND	290	13	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	580	18	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	580	11	ug/kg	
83-32-9	Acenaphthene	ND	120	8.0	ug/kg	
208-96-8	Acenaphthylene	ND	120	9.2	ug/kg	
62-53-3	Aniline	ND	580	61	ug/kg	
120-12-7	Anthracene	ND	120	9.3	ug/kg	
92-87-5	Benzidine	ND	580	140	ug/kg	
56-55-3	Benzo(a)anthracene	28.5	120	11	ug/kg	J
50-32-8	Benzo(a)pyrene	16.2	290	9.9	ug/kg	J
205-99-2	Benzo(b)fluoranthene	17.9	120	13	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	14.3	120	11	ug/kg	J
207-08-9	Benzo(k)fluoranthene	ND	120	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	290	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	290	15	ug/kg	
100-51-6	Benzyl Alcohol	ND	580	25	ug/kg	
91-58-7	2-Chloronaphthalene	ND	290	12	ug/kg	
106-47-8	4-Chloroaniline	ND	580	13	ug/kg	
86-74-8	Carbazole	ND	120	10	ug/kg	
218-01-9	Chrysene	30.8	120	9.0	ug/kg	J

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Report of Analysis

Client Sample ID:	UST-SW	Date Sampled:	08/11/16
Lab Sample ID:	MC47275-1	Date Received:	08/12/16
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8270D SW846 3546		
Project:	NYSEG Goshen, NY		

ABN Full List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	290	11	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	290	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	290	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	290	14	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	290	9.9	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	290	15	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	290	8.6	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	290	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	580	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	580	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	580	38	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	120	9.5	ug/kg	
132-64-9	Dibenzofuran	ND	120	9.1	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	290	12	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	290	9.9	ug/kg	
84-66-2	Diethyl phthalate	ND	290	9.2	ug/kg	
131-11-3	Dimethyl phthalate	ND	290	9.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	290	12	ug/kg	
206-44-0	Fluoranthene	102	120	11	ug/kg	JB
86-73-7	Fluorene	ND	120	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	290	15	ug/kg	
87-68-3	Hexachlorobutadiene	ND	290	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	580	14	ug/kg	
67-72-1	Hexachloroethane	ND	290	28	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	290	32	ug/kg	
78-59-1	Isophorone	ND	290	21	ug/kg	
90-12-0	1-Methylnaphthalene	ND	290	9.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	120	14	ug/kg	
88-74-4	2-Nitroaniline	ND	580	14	ug/kg	
99-09-2	3-Nitroaniline	ND	580	14	ug/kg	
100-01-6	4-Nitroaniline	ND	580	14	ug/kg	
91-20-3	Naphthalene	ND	120	9.8	ug/kg	
98-95-3	Nitrobenzene	ND	290	32	ug/kg	
62-75-9	n-Nitrosodimethylamine	ND	580	130	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	290	16	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	39	ug/kg	
85-01-8	Phenanthrene	39.6	120	8.7	ug/kg	J
129-00-0	Pyrene	57.0	120	11	ug/kg	JB
110-86-1	Pyridine	ND	580	14	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	290	15	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UST-SW	Date Sampled:	08/11/16
Lab Sample ID:	MC47275-1	Date Received:	08/12/16
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8270D SW846 3546		
Project:	NYSEG Goshen, NY		

ABN Full List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	83%		25-109%
4165-62-2	Phenol-d5	81%		29-113%
118-79-6	2,4,6-Tribromophenol	91%		20-141%
4165-60-0	Nitrobenzene-d5	79%		27-115%
321-60-8	2-Fluorobiphenyl	81%		34-118%
1718-51-0	Terphenyl-d14	96%		42-139%

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Report of Analysis

Client Sample ID:	UST-SW						
Lab Sample ID:	MC47275-1					Date Sampled:	08/11/16
Matrix:	SO - Soil					Date Received:	08/12/16
Method:	SW846 8151 SW846 3550C					Percent Solids:	84.5
Project:	NYSEG Goshen, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ97855.D	1	08/17/16	NK	08/15/16	OP48424	GYZ7988
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	5.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	23	2.9	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	23	2.8	ug/kg	
93-76-5	2,4,5-T	ND	23	2.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	104%		12-200%
19719-28-9	2,4-DCAA	217% ^a		12-200%

(a) Outside control limits. Sample non-detect.

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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UST-SW		
Lab Sample ID:	MC47275-1	Date Sampled:	08/11/16
Matrix:	SO - Soil	Date Received:	08/12/16
Method:	SW846 8081B SW846 3546	Percent Solids:	84.5
Project:	NYSEG Goshen, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE52117.D	1	08/19/16	NK	08/16/16	OP48439	GBE2619
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	5.7	1.3	ug/kg	
319-84-6	alpha-BHC	ND	5.7	1.1	ug/kg	
319-85-7	beta-BHC	ND	5.7	1.2	ug/kg	
319-86-8	delta-BHC	ND	5.7	1.7	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	5.7	1.2	ug/kg	
5103-71-9	alpha-Chlordane	ND	5.7	2.1	ug/kg	
5103-74-2	gamma-Chlordane	ND	5.7	1.7	ug/kg	
60-57-1	Dieldrin	ND	5.7	1.6	ug/kg	
72-54-8	4,4'-DDD	ND	5.7	1.7	ug/kg	
72-55-9	4,4'-DDE	ND	5.7	1.5	ug/kg	
50-29-3	4,4'-DDT	ND	5.7	2.0	ug/kg	
72-20-8	Endrin	ND	5.7	1.6	ug/kg	
1031-07-8	Endosulfan sulfate	ND	5.7	1.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	5.7	2.6	ug/kg	
959-98-8	Endosulfan-I	ND	5.7	1.7	ug/kg	
33213-65-9	Endosulfan-II	ND	5.7	1.9	ug/kg	
76-44-8	Heptachlor	ND	5.7	1.5	ug/kg	
1024-57-3	Heptachlor epoxide	ND	5.7	1.4	ug/kg	
72-43-5	Methoxychlor	ND	5.7	2.0	ug/kg	
53494-70-5	Endrin ketone	ND	5.7	1.7	ug/kg	
8001-35-2	Toxaphene	ND	57	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	60%		10-143%
877-09-8	Tetrachloro-m-xylene	53%		10-143%
2051-24-3	Decachlorobiphenyl	50%		10-172%
2051-24-3	Decachlorobiphenyl	70%		10-172%

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Report of Analysis

Client Sample ID:	UST-SW						
Lab Sample ID:	MC47275-1					Date Sampled:	08/11/16
Matrix:	SO - Soil					Date Received:	08/12/16
Method:	SW846 8082A SW846 3546					Percent Solids:	84.5
Project:	NYSEG Goshen, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK60842.D	1	08/19/16	NK	08/16/16	OP48437	GBK1912
Run #2							

	Initial Weight	Final Volume
Run #1	20.9 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	28	2.9	ug/kg	
11104-28-2	Aroclor 1221	ND	28	12	ug/kg	
11141-16-5	Aroclor 1232	ND	28	8.7	ug/kg	
53469-21-9	Aroclor 1242	ND	28	6.5	ug/kg	
12672-29-6	Aroclor 1248	ND	28	4.9	ug/kg	
11097-69-1	Aroclor 1254	ND	28	12	ug/kg	
11096-82-5	Aroclor 1260	ND	28	2.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		25-145%
877-09-8	Tetrachloro-m-xylene	71%		25-145%
2051-24-3	Decachlorobiphenyl	85%		25-179%
2051-24-3	Decachlorobiphenyl	88%		25-179%

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Report of Analysis

Client Sample ID:	UST-SW	Date Sampled:	08/11/16
Lab Sample ID:	MC47275-1	Date Received:	08/12/16
Matrix:	SO - Soil	Percent Solids:	84.5
Project:	NYSEG Goshen, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	6.5	0.95	0.19	mg/kg	1	08/16/16	08/17/16	EAL SW846 6010C ¹	SW846 3050B ³
Barium	65.4	4.7	0.072	mg/kg	1	08/16/16	08/17/16	EAL SW846 6010C ¹	SW846 3050B ³
Beryllium	0.66	0.38	0.014	mg/kg	1	08/16/16	08/17/16	EAL SW846 6010C ¹	SW846 3050B ³
Cadmium	0.24 B	0.38	0.029	mg/kg	1	08/16/16	08/17/16	EAL SW846 6010C ¹	SW846 3050B ³
Chromium	18.3	0.95	0.044	mg/kg	1	08/16/16	08/17/16	EAL SW846 6010C ¹	SW846 3050B ³
Copper	26.1	2.4	0.095	mg/kg	1	08/16/16	08/17/16	EAL SW846 6010C ¹	SW846 3050B ³
Lead	18.3	0.95	0.10	mg/kg	1	08/16/16	08/17/16	EAL SW846 6010C ¹	SW846 3050B ³
Manganese	479	1.4	0.044	mg/kg	1	08/16/16	08/17/16	EAL SW846 6010C ¹	SW846 3050B ³
Mercury	0.034 B	0.035	0.0059	mg/kg	1	08/17/16	08/17/16	EAL SW846 7471B ²	SW846 7471B ⁴
Nickel	25.4	3.8	0.054	mg/kg	1	08/16/16	08/17/16	EAL SW846 6010C ¹	SW846 3050B ³
Selenium	ND	0.95	0.28	mg/kg	1	08/16/16	08/17/16	EAL SW846 6010C ¹	SW846 3050B ³
Silver	ND	0.47	0.058	mg/kg	1	08/16/16	08/17/16	EAL SW846 6010C ¹	SW846 3050B ³
Zinc	73.6	1.9	0.16	mg/kg	1	08/16/16	08/17/16	EAL SW846 6010C ¹	SW846 3050B ³

(1) Instrument QC Batch: MA19389

(2) Instrument QC Batch: MA19391

(3) Prep QC Batch: MP26629

(4) Prep QC Batch: MP26637

RL = Reporting Limit
MDL = Method Detection Limit

ND = Not detected
B = Indicates a result $\geq$ MDL but $<$ RL

Report of Analysis

Page 1 of 1

Client Sample ID:	UST-SW	Date Sampled:	08/11/16
Lab Sample ID:	MC47275-1	Date Received:	08/12/16
Matrix:	SO - Soil	Percent Solids:	84.5
Project:	NYSEG Goshen, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide	ND	0.12	0.035	mg/kg	1	08/16/16 10:11 CF	SW846	9012 M
Solids, Percent	84.5			%	1	08/15/16	EL	SM 2540G-97 MOD

RL = Reporting Limit
MDL = Method Detection Limit

ND = Not detected
B = Indicates a result $\geq$ MDL but $<$ RL