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ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

February 2, 2015

Robert Corcoran, P.E.
New York State Department of Environmental Conservation
Div. of Environmental Remediation
625 Broadway, 12th floor
Albany, NY 12233-7015

RE: Site No. 152201, Levey Property, 1305 South Strong Avenue, Copiague, NY – Interim Remedial Measure: Operable Unit 01A

Dear Mr. Corcoran:

The following summarizes the interim remedial measure (IRM) Operable Unit 01A conducted at the above referenced location as per New York State Department of Environmental Conservation (NYSDEC) Standby Contractor Authorization Form dated 8/18/2014 (Callout ID: 122933). The IRM activities consisted of excavation and disposal of impacted soils from Cesspool #5. A site location map is provided as Figure 1. The location of Cesspool #5 is illustrated in a site map provided as Figure 2.

Field Activities

EAR staff met a representative from NYSDEC onsite on September 10, 2014, to review site conditions and assess proposed means of excavation/removal of impacted soils from Cesspool #5 (CP-5).

On November 17, EAR returned to the site to excavate CP-5. Prior to conducting any ground intrusive activities, EAR arranged for utility operators to markout any subgrade utilities in the area. Using a John Deere 120D wide-track excavator, EAR uncovered the cesspool and excavated around the structure to approximately 4-5 feet below grade surface (BGS). Soil excavated from above and around the cesspool was staged near the excavation and screened by an EAR geologist for total volatile organic compounds using a photo-ionization detector (PID). Prior to use, the PID was calibrated using a 100 ppm isobutylene standard.

Following removal of the CP-5 lid, the CP-5 block structure collapsed inward. EAR then removed the topmost portion of collapsed soil and block (estimated from approximately 4-5 feet below grade.

Observations and PID screening results are summarized as follows:

Location	Total VOC's (ppm)	Observations
Soil from North side of CP-5 (0-5 ft BGS)	0.4	No apparent staining, no odor
Soil from South side of CP-5 (0-5 ft BGS)	0.2	No apparent staining, no odor
Underside of CP-5 concrete lid	0.0	No apparent staining[1]
CP-5 block & soil from 4-5 ft BGS	1.5	No apparent staining[1]

The above detailed soils were deemed clean and designated for use as backfill after completion of the excavation activities and endpoint sampling activities.

Screening of the next load of soil & block yielded a PID reading of 41.6 ppm. Because of this elevated reading and because of the degree of mixing during the collapse, NYSDEC determined that the remainder of the CP-5 block and interior soil should be designated as impacted waste. As such, the remainder of the CP-5 excavated soils and block (to approximately 10 feet BGS) were loaded directly into a roll-off (20-yard, sealed, tarped) provided by Aarco Environmental Services (Lindenhurst, NY).

At approximately 10 feet BGS, the onsite geologist reported black soils with a fecal odor. PID screening of this material yielded a PID reading of 218 ppm. This coincided with the depth of the bottom of CP-5 as per documentation provided by the NYSDEC. This was determined to be the last load of soil to be designated waste as subsequent soil removal from 10-12 feet BGS yielded significantly lower PID readings ranging from 1.5 to 5.0 ppm. The water table interface was encountered at approximately 12 feet BGS.

Following completion of the excavation/removal, EAR collected three endpoint soil samples as directed by the NYSDEC. One endpoint sample was collected from the horizontal center of the former pool structure (CP-5 BOT). This sample was a composite of soils collected from 10-12 feet BGS. Two sidewall endpoint samples were collected immediately exterior to the former block structure to the southeast and southwest (CP-5 SE SW and CP-5 SW SW) at approximately 10 feet BGS. Observations and PID screening results are summarized as follows:

Sample	Total VOC's (ppm)	Observations
CP-5 bottom	8.1	No apparent staining. Fecal odor
CP-5 SW sidewall	5.2	No apparent staining. Fecal odor

[1] Because CP-5 block and interior soils were potentially contaminated, no attempts at olfactory observations were made.

CP-5 SE sidewall	14.3	Tan/light gray. Fecal odor

The endpoint samples were submitted to a NYSDEC contracted laboratory (Test America, Inc.) for analysis of volatile organic compounds (VOC's), semi-volatile organic compounds (SVOC's), full target analyte list (TAL) metals, pesticides/herbicides, and polychlorinated biphenyls (PCB's). Samples for analysis of volatiles were collecting using TerraCore® samplers in accordance with EPA Method 5035. All samples were submitted for a standard 10-day turnaround time with NYSDEC ASP Category B deliverables requested. The analytical results for the above referenced endpoint samples are presented in Tables 1-5. Due to file size, the lab analytical report has been submitted to NYSDEC separately.

The excavation was backfilled to approximately 6-inches below grade using clean native fill, the cesspool lid, and approximately 21 tons of a clean, offsite fill. Offsite fill was free of stones, roots, impact, or other deleterious material. Certifications/analytical results for the fill material are provided as Appendix A.

Prior to leaving the site, the roll-off was covered with a tarp/plastic sheeting to prevent migration of fugitive dusts and prevent the potential accumulation of rainwater. Prior to transporting the excavator offsite, EAR decontaminated the excavator bucket using a liquinox/clean water wash/rinse

Restoration of the excavation area was completed on November 18 & January 5, 2015. Restoration activities consisted of completing backfill of the excavation using topsoil and grading the excavation area as well as areas affected by the excavator and vehicles. Grass seed was applied following grading activities.

Select photographs from the above detailed activities have been included as Appendix B.

Soil Transportation & Disposal

Upon completion of loading impacted soils/block to the roll-off, a composite soil sample was collected for waste characterization on November 17. The waste characterization sample was submitted to a NYSDEC contracted laboratory (Test America, Inc.) for the following analyses as required by the disposal facility:

- VOC's via EPA Method 8260
- Total (TAL) Metals
- Ph
- Flashpoint
- Reactivity

The waste characterization sample was submitted to a NYSDEC contracted laboratory (Test America, Inc.) for an expedited, 3-day turnaround time (NYSDEC ASP Category A deliverables requested). A copy of the laboratory analytical report is included as Appendix C.

On December 2, 2014, Aarco Environmental Services (Aarco) notified EAR that the disposal facility would require a pilot test to be performed on the excavated material to assess suitability for disposal methods. Aarco collected a composite soil sample for pilot testing on December 3, 2014, and submitted this sample to the disposal facility. Following pilot testing of the waste sample and approval from the disposal facility on December 11, 2014, transportation of the roll-off was arranged with Aarco. At this time, Aarco expressed concerns that the soil load in the roll-off may exceed weight limitations. As such, a second roll-off was delivered to the site on January 5, 2015. Immediately upon delivery, EAR loaded a portion of the waste material from the original roll-off to the newly delivered roll-off. The roll-offs were removed from the site on January 5 & 6 and transported to the disposal facility by Freehold Cartage Inc. (Freehold, NJ). Copies of Freehold Cartage's applicable waste transporter permits are included as Appendix D. Waste manifests are provided as Appendix E.

The above detailed waste materials were transported to Solution EAS/Englobe Corp. (Montreal-Est, Quebec) for disposal. Copies of this facility's certificates of authorization are included as Appendix F. As of the writing of this report, certificates of disposal have not yet been issued by the disposal facility. These will be submitted to NYSDEC under separate cover once received.

Summary of Endpoint Sample Analytical Results

- Several VOC's were reported in the endpoint samples in concentrations up to 400 ug/Kg (1,1,1-TCA, CP-5 BOT). Concentrations of these compounds were significantly lower than those reported for the waste soil sample and do not exceed their established unrestricted use soil cleanup objective values[2].

- With the exception of one tentatively identified compound (TIC) no SVOC's were detected in the three endpoint soil samples. The TIC reported, Cholestan-3-One(5beta), was reported at an estimated concentration of 650 ug/Kg (CP-5 BOT). No soil cleanup objective value has been established for this compound.

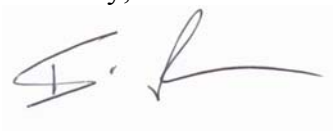
- Several metals were reported as detected in all three soil endpoint samples. Of the metals detected, none were reported in concentrations exceeding their established unrestricted use soil cleanup objective values.

- No PCB's or pesticides/herbicides were detected in the three endpoint soil samples.

Should you have any questions or concerns regarding the above detailed activities, please feel free to contact me at 631.241.8741.

[2] Title 6 New York Codes, Rules, and Regulations (NYCRR), Subpart 375-6.8(b) (2006)

Sincerely,



Ian Hofmann
Project Manager

Cc: J. Hofmann (EAR)
J. Lawrence (EAR)

TABLES

Levey Property
1305 South Strong Avenue
Copiague, NY
Spill # 152201

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Cesspool #5 Endpoint Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8260C

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
1,1 Dichloroethane	8.3	4.2	0.78 J	270
1,1 Dichloroethene	8.4	0.81 J	0.28 J	330
1,1,1 Trichloroethane	400	31	9.9	680
1,1,2 Trichloroethane	<0.9	<1	<1	n/a
1,1,2,2 Tetrachloroethane	<0.9	<1	<1	n/a
1,2 Dibromoethane	<0.9	<1	<1	n/a
1,2 Dichlorobenzene	<0.9	<1	<1	1,100
1,2 Dichloroethane	<0.9	<1	<1	20
1,2 Dichloropropane	<0.9	<1	<1	n/a
1,2,3 Trichlorobenzene	<0.9	<1	<1	n/a
1,2,4 Trichlorobenzene	<0.9	<1	<1	n/a
1,3 Dichlorobenzene	<0.9	<1	<1	2,400
1,4 Dichlorobenzene	5.8	<1	<1	1,800
1,4-Dioxane	<18	<21	<20	100
2-Hexanone	<4.5	<5.2	<5.1	n/a
4-Methyl-2-Pentanone	<4.5	<5.2	<5.1	n/a
Acetone	<4.5	<5.2	<5.1	50
Benzene	<0.9	<1	<1	60
Bromochloromethane	<0.9	<1	<1	n/a
Bromodichloromethane	<0.9	<1	<1	n/a
Bromoform	<0.9	<1	<1	n/a
Bromomethane	<0.9	<1	<1	n/a
c 1,3 Dichloropropene	<0.9	<1	<1	n/a
Carbon Disulfide	<0.9	0.39 J	<1	n/a
Carbon Tetrachloride	<0.9	<1	<1	760
Chlorobenzene	<0.9	<1	<1	1,100
Chloroethane	<0.9	<1	<1	n/a
Chloroform	<0.9	<1	<1	370
Chloromethane	<0.9	<1	<1	n/a
cis-1,2-Dichloroethene	2.5	3.6	0.24 J	250
Cyclohexane	<0.9	<1	<1	n/a
Cyclohexane, methyl-	0.2 J	<1	<1	n/a
Dibromochloromethane	<0.9	<1	<1	n/a
Dibromochloropropane	<0.9	<1	<1	n/a
Dichlorodifluoromethane	<0.9	<1	<1	n/a
Ethylbenzene	3.7	0.19 J	<1	1,000
Freon 113	170	1.6	0.84 J	n/a
Isopropylbenzene	<0.9	<1	<1	n/a
m + p Xylene	14	0.83 J	<1	n/a
Methyl acetate	<4.5	<5.2	<5.1	n/a
Methyl Ethyl Ketone	<4.5	<5.2	<5.1	120
Methylene Chloride	<0.9	<1	<1	50
o-Xylene	1.5	0.31 J	0.31 J	n/a
Styrene	<0.9	<1	<1	n/a
t 1,3 Dichloropropene	<0.9	<1	<1	n/a
t butylmethylether	<0.9	<1	<1	930
Tetrachloroethene	0.86 J	<1	<1	1,300
Toluene	<0.9	<1	<1	700

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Cesspool #5 Endpoint Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8260C

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
trans-1,2-Dichloroethene	<0.9	<1	<1	190
Trichloroethylene	150	9.1	2.3	470
Trichlorofluoromethane	<0.9	<1	<1	n/a
Vinyl Chloride	<0.9	<1	<1	20
1-Methyldecahydronaphthalene (TIC)	12 JN !	n/a	n/a	n/a
2,2,11,11-Tetramethyldodecane (TIC)	n/a	45 JN !	n/a	n/a
2,2,4,4 - Tetramethylpentane (TIC)	11 JN !	n/a	n/a	n/a
2,2-Dimethylundecane (TIC)	n/a	13 JN !	n/a	n/a
2,6,10-Trimethyldodecane (TIC)	n/a	13 JN !	n/a	n/a
2,6,11-Trimethyldodecane (TIC)	n/a	48 JN !	n/a	n/a
2-Propyl-1-Heptanol (TIC)	n/a	12 JN !	n/a	n/a
3-Ethyl-2-Methyl-Heptane (TIC)	8.1 JN !	n/a	n/a	n/a
3-Methyl-5-Propylnonane (TIC)	15 JN !	37 JN !	n/a	n/a
Cyclohexane, pentyl- (TIC)	18 JN !	n/a	n/a	n/a
Decahydro-4,4,8,9,10-Pentamethylnaphthalene (TIC)	n/a	17 JN !	n/a	n/a
Decahydro-9-Ethyl-4,4,8,10-Tetramethylna (TIC)	n/a	18 JN !	n/a	n/a
Hexahydropyridine, 4-[4,5-Dihydroxypheny (TIC)	n/a	17 JN !	n/a	n/a
n-Decane (TIC)	26 JN !	n/a	n/a	n/a
Trans-Decahydro-Naphthalene (TIC)	11 JN !	n/a	n/a	n/a
Undecane, 2,6-dimethyl- (TIC)	13 JN !	n/a	n/a	n/a
UNKNOWN VOC WITH HIGHEST CONC. (TIC)	41 J !	11 J !	n/a	n/a
UNKNOWN VOC WITH 2ND HIGHEST CONC. (TIC)	8.5 J !	n/a	n/a	n/a
Calculated				
Total VOC's	928.86	283.03	14.65	n/a
Total BTEX	19.2	1.33 J	0.31 J	n/a
Total Xylenes	15.5	1.14 J	0.31 J	260

Notes:
n/a - not applicable / not analyzed
J - Indicates an estimated value below laboratory reporting limits
N - Indicates the presumptive evidence of a compound
! - Indicates parameter/value was reported as a Tentatively Identified Compound (TIC)
[a] - 6 NYCRR 375-6.8 (a)

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Cesspool #5 Endpoint Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8270D

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
1,1-Biphenyl	<400	<360	<340	n/a
1,2,4,5-Tetrachlorobenzene	<400	<360	<340	n/a
2,3,4,6-Tetrachlorophenol	<400	<360	<340	n/a
2,4,5-Trichlorophenol	<400	<360	<340	n/a
2,4,6-Trichlorophenol	<160	<140	<140	n/a
2,4-Dichlorophenol	<160	<140	<140	n/a
2,4-Dimethylphenol	<400	<360	<340	n/a
2,4-Dinitrophenol	<320	<290	<280	n/a
2,4-Dinitrotoluene	<81	<73	<70	n/a
2,6-Dinitrotoluene	<81	<73	<70	n/a
2-Chloronaphthalene	<400	<360	<340	n/a
2-Chlorophenol	<400	<360	<340	n/a
2-Methyl-4,6-dinitrophenol	<320	<290	<280	n/a
2-Methylnaphthalene	<400	<360	<340	n/a
2-Nitroaniline	<400	<360	<340	n/a
2-Nitrophenol	<400	<360	<340	n/a
3,3-Dichlorobenzidine	<160	<140	<140	n/a
3-Nitroaniline	<400	<360	<340	n/a
4-Bromophenyl-phenylether	<400	<360	<340	n/a
4-Chloro-3-methylphenol	<400	<360	<340	n/a
4-Chloroaniline	<400	<360	<340	n/a
4-Chlorophenyl-phenylether	<400	<360	<340	n/a
4-Nitroaniline	<400	<360	<340	n/a
4-Nitrophenol	<810	<730	<700	n/a
Acenaphthene	<400	<360	<340	**20,000**
Acenaphthylene	<400	<360	<340	**100,000**
Acetophenone	<400	<360	<340	n/a
Anthracene	<400	<360	<340	**100,000**
Atrazine	<160	<140	<140	n/a
Benzaldehyde	<400	<360	<340	n/a
Benzo(a)anthracene	<40	<36	<34	**1,000**
Benzo(a)pyrene	<40	<36	<34	**1,000**
Benzo(b)fluoranthene	<40	<36	<34	**1,000**
Benzo(g,h,i)perylene	<400	<360	<340	**100,000**
Benzo(k)fluoranthene	<40	<36	<34	**800**
bis(2-Chloroethoxy)methane	<400	<360	<340	n/a
bis(2-Chloroethyl)ether	<40	<36	<34	n/a
bis(2-Chloroisopropyl)ether	<400	<360	<340	n/a
bis(2-Ethylhexyl)phthalate	<400	<360	<340	n/a
Butylbenzylphthalate	<400	<360	<340	n/a
Caprolactam	<400	<360	<340	n/a
Carbazole	<400	<360	<340	n/a
Chrysene	<400	<360	<340	**1,000**
Dibenzo(a,h)anthracene	<40	<36	<34	**330**
Dibenzofuran	<400	<360	<340	**7,000**
Diethylphthalate	<400	<360	<340	n/a

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Cesspool #5 Endpoint Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8270D

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
Dimethylphthalate	<400	<360	<340	n/a
Di-n-butylphthalate	<400	<360	<340	n/a
Di-n-octylphthalate	<400	<360	<340	n/a
Fluoranthene	<400	<360	<340	**100,000**
Fluorene	<400	<360	<340	**30,000**
Hexachlorobenzene	<40	<36	<34	**330**
Hexachlorobutadiene	<81	<73	<70	n/a
Hexachlorocyclopentadiene	<400	<360	<340	n/a
Hexachloroethane	<40	<36	<34	n/a
Indeno(1,2,3-cd)pyrene	<40	<36	<34	**500**
Isophorone	<160	<140	<140	n/a
Naphthalene	<400	<360	<340	**12,000**
Nitrobenzene	<40	<36	<34	n/a
N-Nitrosodi-N-Propylamine	<40	<36	<34	n/a
N-Nitrosodiphenylamine	<400	<360	<340	n/a
o-cresol	<400	<360	<340	**330**
p-cresol	<400	<360	<340	**330**
Pentachlorophenol	<320	<290	<280	**800**
Phenanthrene	<400	<360	<340	**100,000**
Phenol (total)	<400	<360	<340	**330**
Pyrene	<400	<360	<340	**100,000**
Cholestan-3-One, (5.Beta.)- (TIC)	**640 JN !**	n/a	n/a	n/a
Calculated Total SVOC's	**640**	<18755	<17784	n/a

Notes:
n/a - not applicable / not analyzed
J - Indicates an estimated value below laboratory reporting limits
N - Indicates the presumptive evidence of a compound
! - Indicates parameter/value was reported as a Tentatively Identified Compound (TIC)
[a] - 6 NYCRR 375-6.8 (a)

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Cesspool #5 Endpoint Soil Analytical Results (mg/Kg)
TestAmerica, Inc.
Methods: SW6010C, SW7471B, SW9012

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
Aluminum	926	570	1,070	n/a
Antimony	<4.6	<4.1	<3.8	n/a
Arsenic	<3.4	<3.1	0.96 J	13
Barium	5.8 J	3.3 J	3.3 J	350
Beryllium	<0.46	<0.41	<0.38	7.2
Cadmium	0.45 J	<0.82	<0.75	2.5
Calcium	93.4 J	<1020	107 J	n/a
Chromium (total)	2.4	1.2 J	3.9	n/a
Cobalt	<11.5	<10.2	<9.4	n/a
Copper	4 J	1.8 J	2.1 J	50
Cyanide	<0.12	<0.11	<0.11	27
Iron	1,380	357	2,190	n/a
Lead	1.9 J	1.3 J	1.5 J	63
Magnesium	158 J	91.2 J	164 J	n/a
Manganese	6.7	3.1	9.8	1,600
Mercury	<0.018	<0.017	0.08	0.18
Nickel	<9.2	<8.2	<7.5	30
Potassium	92.1 J	67 J	86 J	n/a
Selenium	<4.6	<4.1	<3.8	3.9
Silver	<2.3	<2	0.4 J	2
Sodium	<1150	<1020	<939	n/a
Thallium	<4.6	<4.1	<3.8	n/a
Vanadium	3.1 J	1.3 J	2.8 J	n/a
Zinc	19	10.1	9.6	109

Notes:
n/a - not applicable / not analyzed
J - Indicates an estimated value below laboratory reporting limits
[a] - 6 NYCRR 375-6.8 (a)

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Cesspool #5 Endpoint Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8082A

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
Aroclor 1016	<81	<73	<70	n/a
Aroclor 1221	<81	<73	<70	n/a
Aroclor 1232	<81	<73	<70	n/a
Aroclor 1242	<81	<73	<70	n/a
Aroclor 1248	<81	<73	<70	n/a
Aroclor 1254	<81	<73	<70	n/a
Aroclor 1260	<81	<73	<70	n/a
Aroclor 1262	<81	<73	<70	n/a
Aroclor 1268	<81	<73	<70	n/a
Polychlorinated biphenyls (total)	<81	<73	<70	**100**

Notes:
n/a - not applicable / not analyzed
[a] - 6 NYCRR 375-6.8 (a)

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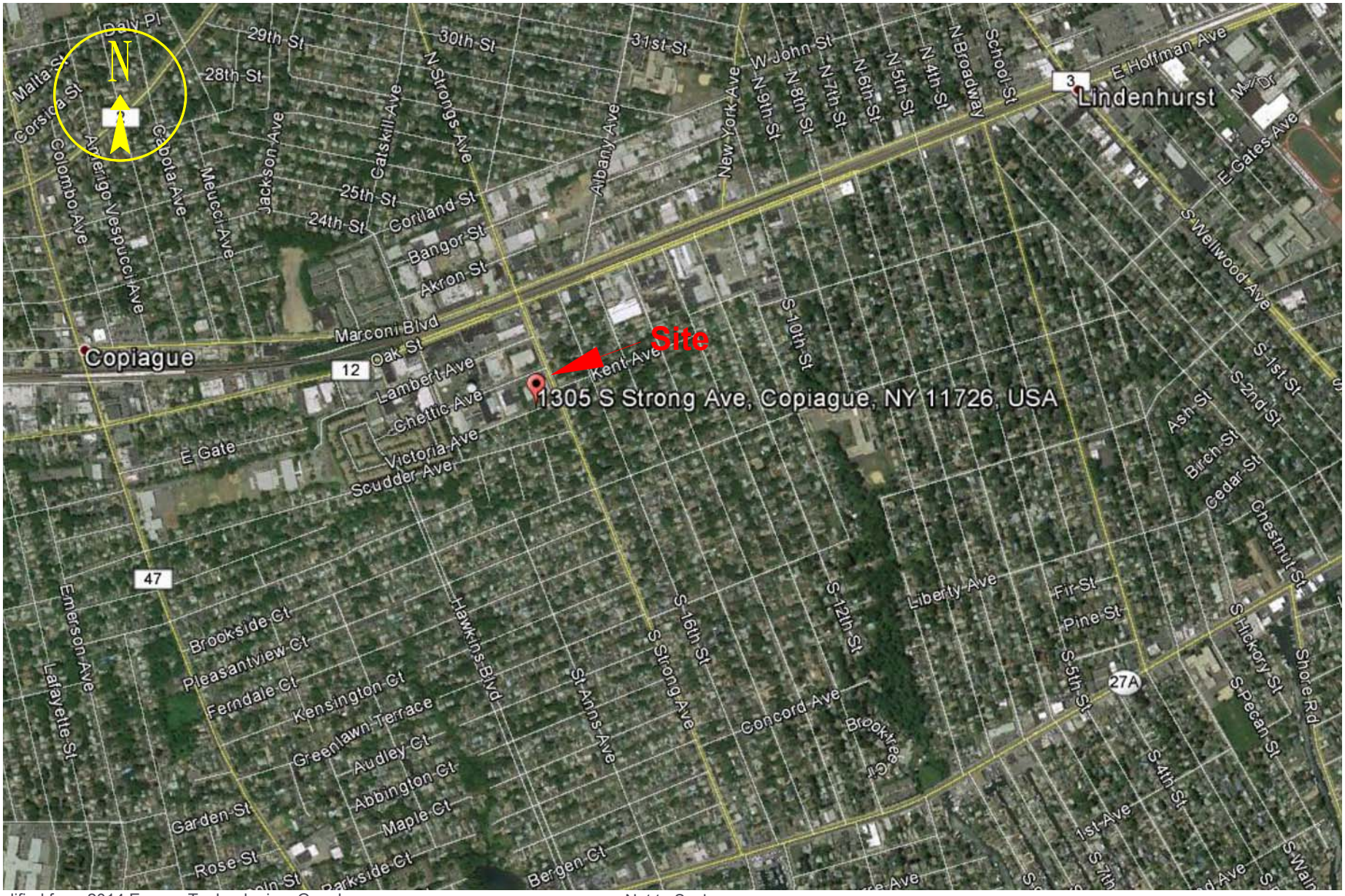
ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Cesspool #5 Endpoint Soil Analytical Results (ug/Kg)
TestAmerica, Inc.
Methods: SW8081B, SW8151A

Sample ID	CP-5 BOT	CP-5 SE SW	CP-5 SW SW	Soil Cleanup Objectives - Unrestricted[a]
Location	Bottom	SE Sidewall	SW Sidewall	
Date Collected	11/17/2014	11/17/2014	11/17/2014	
Time Collected	2:10 PM	1:15 PM	1:25 PM	
2,4,5-TP	<21	<18	<18	**3,800**
2,4,5-Trichlorophenoxyacetic acid	<21	<18	<18	n/a
2,4-D	<21	<18	<18	n/a
4,4,-DDT	<8.1	<7.3	<7	**3.3**
4,4-DDD	<8.1	<7.3	<7	**3.3**
4,4-DDE	<8.1	<7.3	<7	**3.3**
Aldrin	<8.1	<7.3	<7	**5**
alpha BHC	<2.4	<2.2	<2.1	**20**
beta BHC	<2.4	<2.2	<2.1	**36**
Chlordane	<81	<73	<70	n/a
delta-BHC	<2.4	<2.2	<2.1	**40**
Dieldrin	<2.4	<2.2	<2.1	**5**
Endosulfan I	<8.1	<7.3	<7	**2,400**
Endosulfan II	<8.1	<7.3	<7	**2,400**
Endosulfan Sulfate	<8.1	<7.3	<7	**2,400**
Endrin	<8.1	<7.3	<7	**14**
Endrin Aldehyde	<8.1	<7.3	<7	n/a
Endrin ketone	<8.1	<7.3	<7	n/a
Gamma-BHC(Lindane)	<2.4	<2.2	<2.1	**100**
Heptachlor	<8.1	<7.3	<7	**42**
Heptachlor Epoxide	<8.1	<7.3	<7	n/a
Methoxychlor	<8.1	<7.3	<7	n/a
Toxaphene	<81	<73	<70	n/a

Notes:
n/a - not applicable / not analyzed
[a] - 6 NYCRR 375-6.8 (a)

FIGURES



Modified from 2014 Europa Technologies, Google

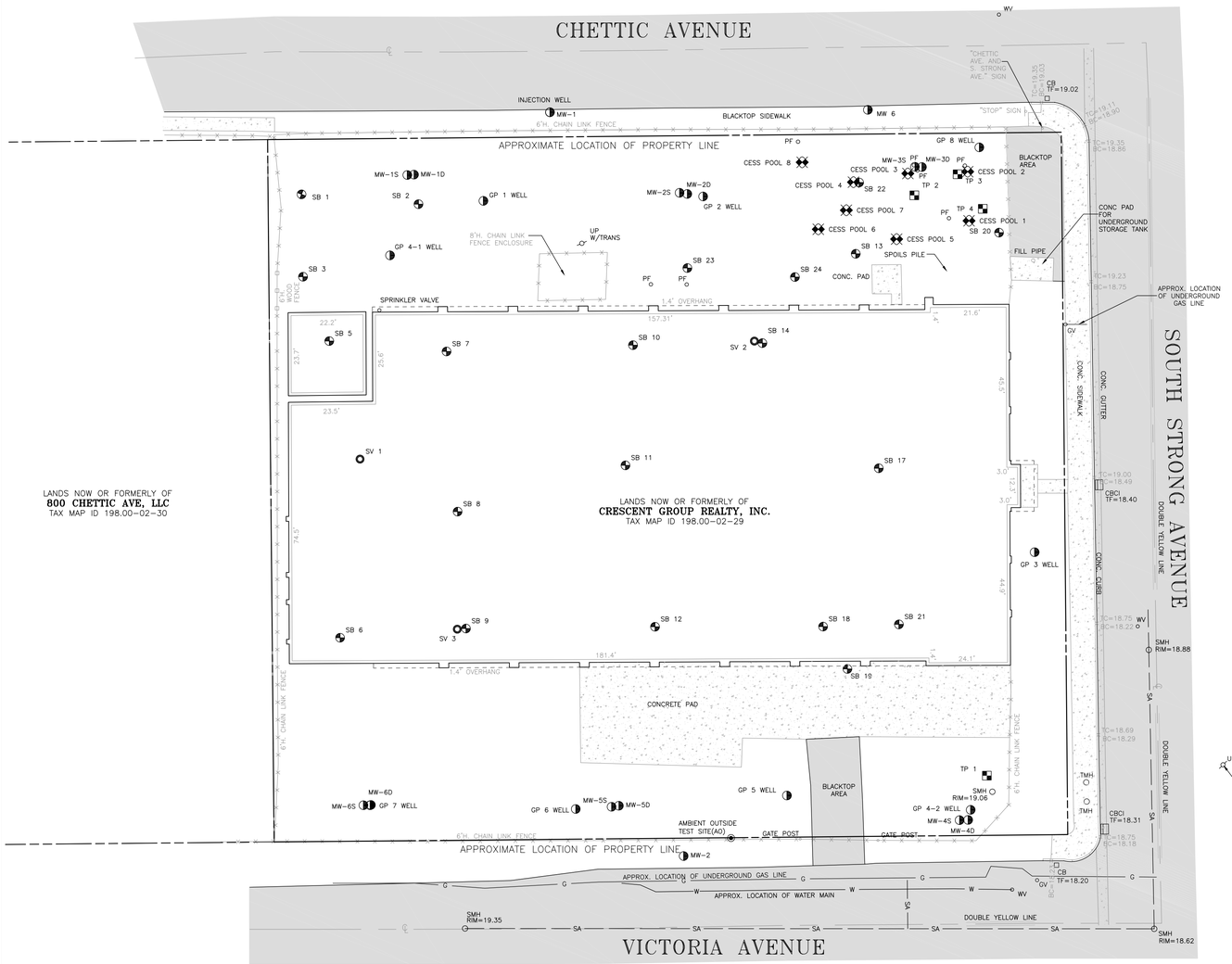
Not to Scale

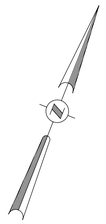
ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

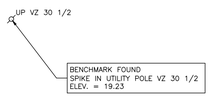
Figure 1
Site Location Map

Levey Property
1305 S. Strong Avenue
Copiague, NY
Site No. 152201

FIGURE 2







MAP NOTES:

1. North orientation and coordinates are referenced to Grid North and are based on the New York State Plane Coordinate System, Long Island Zone, NAD 83 obtained from GPS observations made on July 20, 2011.
2. Vertical datum shown hereon is NAVD 88 and was obtained through GPS observations.
3. Method of data collection used was G2 – GPS Carrier Phase Kinematic Relative–Positioning Technique.
   Horizontal Accuracy: 0.03 ft. + 1 ppm rms.
   Vertical Accuracy: 0.065 ft + 1 ppm rms.
4. Topographic information shown hereon was complied from and actual field survey conducted on July 20, 2011.
5. Underground facilities, structures, and utilities have been plotted from data obtained from previous maps and record drawings. Surface features such as catch basin rims, manhole covers, water valves, gas valves, etc. are the result of field survey unless noted otherwise. There may be other underground utilities, the existence of which is not known to the undersigned. Size and location of all underground utilities and structures must be verified by the appropriate authorities. Dig Safely New York must be notified prior to conducting test borings, excavation and construction.
6. Boundary information shown is approximate as protracted from tax mapping and not a result of a boundary survey.

LEGEND

CB	CATCH BASIN
CBCI	CATCH BASIN/CURB INLET
GV	GAS VALVE
CESS POOL 1	CESS POOL
GP 1 WELL	GROUNDWATER PROFILE WELL SITE
MW 6	MONITOR WELL
PF	PIN FLAG
SMH	SANITARY MANHOLE
SB 21	SOIL BORING LOCATION
SV 3	SUB-SLAB SOIL VAPOR TEST LOCATION
TMH	TELEPHONE MANHOLE
TP 4	TEST PIT
	UTILITY POLE
WV	WATER VALVE
BC	BOTTOM OF CURB
TC	TOP OF CURB
—G—	UNDERGROUND GAS LINE AS MARKED BY OTHERS
—SA—	UNDERGROUND SANITARY LINE AS MARKED BY OTHERS
—W—	UNDERGROUND WATER LINE AS MARKED BY OTHERS

BAR SCALE
20 0 10 20 40
1 inch = 20 ft.

"ONLY COPIES OF THIS MAP SIGNED IN RED INK AND EMBOSSED WITH THE SEAL OF AN OFFICER OF C.T. MALE ASSOCIATES, P.C. OR A DESIGNATED REPRESENTATIVE SHALL BE CONSIDERED TO BE A VALID TRUE COPY".

JAMES F. COOK
PLS NO. 49260

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
11/11/11	1	MISC. REVISIONS, ADDRESSED CLIENT COMMENTS	MMB	JFC	WJN
1/31/12	2	ADDITIONAL WELLS ADDED & CHART REVISED	SMW	JFC	WJN
2/06/13	3	ADDITIONAL LOCATIONS & CHART REVISED	TCB	JFC	WJN
	4				
	5				
	6				
	7				
	8				
	9				

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APPROVED: WJN
DRAFTED : MDD
CHECKED : JFC
PROJ. NO: 11.1202
SCALE : 1"=20'
DATE : JULY 20, 2011

TOPOGRAPHIC AND SAMPLE LOCATION SURVEY

1305 SOUTH STRONG AVENUE
PREPARED FOR
SHAW ENVIRONMENTAL, INC

HAMLET OF COPIAGUE, TOWN OF BABYLON — SUFFOLK COUNTY, NEW YORK

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture & Landscape Architecture, P.C.
50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 • FAX 518.786.7299

SHEET 1 OF 1
DWG. NO: 11-364

CAD DWG. FILE NAME: TS_11.1202.DWG

CAD DWG. FILE NAME: TS_11.1202.DWG

APPENDIX A: BACKFILL MATERIAL DOCUMENTATION

110 Sand Company

170 Cabot Street
West Babylon, New York 11704
631-249-4108 Fax 631-249-4126

PIT LOCATION: BETHPAGE/SPAGNOLI ROAD, MELVILLE, N.Y. 11747 (631) 694-2822 FAX (631) 694-2832

May 23, 2014

Environmental Assessment & Remediations
225 Atlantic Avenue
Patchogue, NY 11772

Attention: Jennifer A. Lawrence

Re: Former Jericho Marine
Lindenhurst, NY
NYSDEC Spill #98-25156

To Whom It May Concern:

Kindly be advised the state sand (otherwise known as concrete sand) represented by the attached gradation and provided from 110 Sand Company in Melville, New York is naturally mined, free of extraneous or deleterious material and/or solid waste. The source, located at 136 Spagnoli Rd, Melville, is a virgin source and is on record with the NYSDOT as Source No. 10-34F.

In addition, the Type 4 commercial RCA blend is free of contaminants and deleterious material, such as brick and asphalt.

If any additional information is required regarding these two materials, please contact me at (631) 694-2822 x 12.

Thank you,

James Debis, P.E.
Engineer

State Sand (concrete sand)

Sample date : 5/15/2014
Test date : 5/16/2014
Sample weight : 102.3 (g)

Sieve Size	Weight retained	Percent retained	Percent Passing	Spec
3/8"	0.0	0.00	100.00	100%
#4	2.8	2.74	97.26	90%-100%
#8	7.6	7.43	89.83	75%-100%
#16	9.9	9.68	80.16	50%-87%
#30	18.6	18.18	61.97	25%-62%
#50	46.1	45.06	16.91	10%-30%
#100	15.7	15.35	1.56	1%-10%
#200	0.7	0.68	0.88	0%-3%
Pan	1.4	1.37		
Total	102.8	100.49		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-75841-1

Job Description: DEC Lindenhurst269

For:
New York State D.E.C.
NYS Suny Bldg 40 Region 1
Stony Brook, NY 11790

Attention: Ms. Karen Gomez

Approved for release.
Shalini Isaac
Project Management Assistant II
5/15/2014 10:26 AM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
05/15/2014

cc: Ms. Jennifer Lawrence
Mr. Greg Mann
Mrs. Tracy Salvitti

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC Lindenhurst269

Report Number: 460-75841-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 5/9/2014 4:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.5º C.

Except:

The following sample(s) was collected in an improper container: Fill - item#4 (460-75841-2), Fill - Sand (460-75841-1). The client was contacted regarding this issue, and the laboratory was instructed to <<CHOOSE ONE>> proceed with/cancel analysis.
Received 8260 Voa. Test as Dirt in Jar

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS

Samples Fill - Sand (460-75841-1) and Fill - item#4 (460-75841-2) were analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were prepared on 05/09/2014 and analyzed on 05/12/2014.

The continuing calibration verification (CCV) associated with batch 223925 recovered above the upper control limit for Dichlorodifluoromethane and the minimum response factor for 2-Hexanone was also outside criteria. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 224223 recovered outside control limit for Acetone, 1,4-Dioxane and Methyl Acetate. The samples associated with this CCV were non-detects, except for Acetone; therefore, the data have been flagged and reported. The following samples are impacted: (CCVIS 460-224223/2).

Surrogate recovery for the following sample was outside control limits: Fill - item#4 (460-75841-2). Re-analysis was performed with concurring results in batch 224223.

Acetone was detected in method blank LB3 460-223546/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Dibromofluoromethane (Surr) failed the surrogate recovery criteria low for Fill - item#4 (460-75841-2).

Refer to the QC report for details.

No other difficulties were encountered during the Volatile organics analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples Fill - Sand (460-75841-1) and Fill - item#4 (460-75841-2) were analyzed for semivolatile organic compounds (GC/MS) in

accordance with EPA SW-846 Method 8270D. The samples were prepared on 05/12/2014 and analyzed on 05/13/2014.

The continuing calibration verification (CCV) associated with batch 223977 recovered outside the 20%D criteria for the following analytes:Caprolactam, 2,4-Dinitrophenol and Hexachlorobutadiene. The samples associated with this CCV are reported as estimated values for the affected analytes whether detected or non-detected as per the 8270D method.

Acid extractable surrogate standard recoveries are biased low for the following sample:Fill - item#4 (460-75841-2). Sample's high pH is causing low A/E surrogate recoveries.

The laboratory control sample (LCS) for batch 223788 recovered outside control limits for the following analyte: Nitrobenzene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

2-Fluorophenol (Surr) and Phenol-d5 (Surr) failed the surrogate recovery criteria low for Fill - item#4 (460-75841-2).

Nitrobenzene failed the recovery criteria high for the MS of sample 460-75842-10 in batch 460-223977. For the MSD of sample 460-75842-10 in batch 460-223977, Pentachlorophenol failed the recovery criteria low. Nitrobenzene failed the recovery criteria high. Also, 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol exceeded the RPD limit. The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Sample Fill - item#4 (460-75841-2)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples Fill - Sand (460-75841-1) and Fill - item#4 (460-75841-2) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081A. The samples were prepared and analyzed on 05/12/2014.

No difficulties were encountered during the Pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples Fill - Sand (460-75841-1) and Fill - item#4 (460-75841-2) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082. The samples were prepared and analyzed on 05/12/2014.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

METALS

Samples Fill - Sand (460-75841-1) and Fill - item#4 (460-75841-2) were analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared on 05/10/2014 and analyzed on 05/12/2014 and 05/14/2014.

Calcium, Chromium, Iron and Manganese failed the recovery criteria low for the MS of sample Fill - SandMS (460-75841-1) in batch 460-223942.

Refer to the QC report for details.

Samples Fill - Sand (460-75841-1)[4X], Fill - item#4 (460-75841-2)[10X] and Fill - item#4 (460-75841-2)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples Fill - Sand (460-75841-1) and Fill - item#4 (460-75841-2) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 05/12/2014.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples Fill - Sand (460-75841-1) and Fill - item#4 (460-75841-2) were analyzed for percent solids/percent moisture in accordance with

EPA Method CLPISM01.2 (Exhibit D). The samples were analyzed on 05/10/2014.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 460-75841-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-75841-1	**FILL - SAND**					
Benzo[a]pyrene		14	J	34	ug/Kg	8270D
Benzo[b]fluoranthene		14	J	34	ug/Kg	8270D
Benzo[k]fluoranthene		7.3	J	34	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		8.7	J	34	ug/Kg	8270D
Aluminum		823		38.0	mg/Kg	6010C
Arsenic		0.92	J	2.9	mg/Kg	6010C
Barium		3.8	J	38.0	mg/Kg	6010C
Calcium		414	J	951	mg/Kg	6010C
Chromium		3.8		1.9	mg/Kg	6010C
Iron		3130		28.5	mg/Kg	6010C
Potassium		91.6	J	951	mg/Kg	6010C
Magnesium		181	J	951	mg/Kg	6010C
Manganese		35.7		2.9	mg/Kg	6010C
Lead		0.97	J	1.9	mg/Kg	6010C
Vanadium		3.6	J	9.5	mg/Kg	6010C
Zinc		4.1	J	5.7	mg/Kg	6010C
Percent Moisture		4.4		1.0	%	Moisture
Percent Solids		95.6		1.0	%	Moisture
460-75841-2	**FILL - ITEM#4**					
Acetone		19	B	5.5	ug/Kg	8260C
Acenaphthene		110	J	760	ug/Kg	8270D
Anthracene		240	J	760	ug/Kg	8270D
Benzo[a]anthracene		290		76	ug/Kg	8270D
Benzo[a]pyrene		220		76	ug/Kg	8270D
Benzo[b]fluoranthene		290		76	ug/Kg	8270D
Benzo[g,h,i]perylene		190	J	760	ug/Kg	8270D
Benzo[k]fluoranthene		99		76	ug/Kg	8270D
Carbazole		110	J	760	ug/Kg	8270D
Chrysene		300	J	760	ug/Kg	8270D
Dibenz(a,h)anthracene		47	J	76	ug/Kg	8270D
Dibenzofuran		100	J	760	ug/Kg	8270D
Di-n-butyl phthalate		280	J	760	ug/Kg	8270D
Fluoranthene		780		760	ug/Kg	8270D
Indeno[1,2,3-cd]pyrene		200		76	ug/Kg	8270D
Isophorone		380	J	760	ug/Kg	8270D
Naphthalene		150	J	760	ug/Kg	8270D
Phenanthrene		1200		760	ug/Kg	8270D
Pyrene		540	J	760	ug/Kg	8270D
Aluminum		6800		38.4	mg/Kg	6010C
Arsenic		5.1		2.9	mg/Kg	6010C
Barium		44.7		38.4	mg/Kg	6010C
Beryllium		0.26	J	0.38	mg/Kg	6010C
Calcium		61200		2400	mg/Kg	6010C
Cobalt		3.1	J	9.6	mg/Kg	6010C

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 460-75841-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Chromium		17.7		1.9	mg/Kg	6010C
Copper		11.3		4.8	mg/Kg	6010C
Iron		10400		28.8	mg/Kg	6010C
Potassium		607	J	959	mg/Kg	6010C
Magnesium		4530		959	mg/Kg	6010C
Manganese		153		2.9	mg/Kg	6010C
Nickel		9.0		7.7	mg/Kg	6010C
Lead		20.3		1.9	mg/Kg	6010C
Vanadium		18.4		9.6	mg/Kg	6010C
Zinc		38.8		5.8	mg/Kg	6010C
Mercury		0.039		0.020	mg/Kg	7471B
Percent Moisture		13.1		1.0	%	Moisture
Percent Solids		86.9		1.0	%	Moisture

METHOD SUMMARY

Client: New York State D.E.C. Job Number: 460-75841-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Closed System Purge and Trap	TAL EDI		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270D	
Automated Soxhlet Extraction	TAL EDI		SW846 3541
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081B	
Microwave Extraction	TAL EDI		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082A	
Microwave Extraction	TAL EDI		SW846 3546
Metals (ICP)	TAL EDI	SW846 6010C	
Preparation, Metals	TAL EDI		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL EDI	SW846 7471B	
Preparation, Mercury	TAL EDI		SW846 7471B
Percent Moisture	TAL EDI	EPA Moisture	

Lab References:

TAL EDI = TestAmerica Edison

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: New York State D.E.C. Job Number: 460-75841-1

Method	Analyst	Analyst ID
SW846 8260C	Tupayachi, Audberto	AAT
SW846 8270D	Zhao, Chunxin	CAZ
SW846 8081B	Kapoor, Sita	SAK
SW846 8082A	Patel, Jignesh	JHP
SW846 6010C	Huang, Yixin	YZH
SW846 7471B	Staib, Thomas	TJS
EPA Moisture	Martinez, Victor	VMM

SAMPLE SUMMARY

Client: New York State D.E.C. Job Number: 460-75841-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-75841-1	Fill - Sand	Solid	05/08/2014 1420	05/09/2014 1640
460-75841-2	Fill - item#4	Solid	05/08/2014 1410	05/09/2014 1640

SAMPLE RESULTS

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - Sand**

Lab Sample ID: 460-75841-1 Date Sampled: 05/08/2014 1420
Client Matrix: Solid % Moisture: 4.4 Date Received: 05/09/2014 1640

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-223925	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-223546	Lab File ID:	D1002.D
Dilution:	1.0			Initial Weight/Volume:	5.36 g
Analysis Date:	05/12/2014 1909			Final Weight/Volume:	5 mL
Prep Date:	05/09/2014 2217				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.98	U	0.13	0.98
1,1,2,2-Tetrachloroethane		0.98	U	0.088	0.98
1,1,2-Trichloro-1,2,2-trifluoroethane		0.98	U	0.11	0.98
1,1,2-Trichloroethane		0.98	U	0.14	0.98
1,1-Dichloroethane		0.98	U	0.11	0.98
1,1-Dichloroethene		0.98	U	0.19	0.98
1,2,3-Trichlorobenzene		0.98	U	0.16	0.98
1,2,4-Trichlorobenzene		0.98	U	0.19	0.98
1,2-Dichloropropane		0.98	U	0.15	0.98
1,3-Dichlorobenzene		0.98	U	0.16	0.98
1,4-Dichlorobenzene		0.98	U	0.11	0.98
1,4-Dioxane		20	U	12	20
2-Butanone (MEK)		4.9	U	0.61	4.9
2-Hexanone		4.9	U	0.13	4.9
4-Methyl-2-pentanone (MIBK)		4.9	U	0.20	4.9
Acetone		4.9	U	1.6	4.9
Benzene		0.98	U	0.15	0.98
Bromoform		0.98	U	0.17	0.98
Bromomethane		0.98	U	0.42	0.98
Carbon disulfide		0.98	U	0.15	0.98
Carbon tetrachloride		0.98	U	0.15	0.98
Chlorobenzene		0.98	U	0.18	0.98
Chlorobromomethane		0.98	U	0.11	0.98
Chlorodibromomethane		0.98	U	0.098	0.98
Chloroethane		0.98	U	0.32	0.98
Chloroform		0.98	U	0.23	0.98
Chloromethane		0.98	U	0.16	0.98
cis-1,2-Dichloroethene		0.98	U	0.11	0.98
cis-1,3-Dichloropropene		0.98	U	0.14	0.98
Cyclohexane		0.98	U	0.13	0.98
Dichlorobromomethane		0.98	U	0.31	0.98
Dichlorodifluoromethane		0.98	U	0.21	0.98
Ethylbenzene		0.98	U	0.17	0.98
Ethylene Dibromide		0.98	U	0.15	0.98
Isopropylbenzene		0.98	U	0.11	0.98
Methyl acetate		4.9	U	0.31	4.9
Methyl tert-butyl ether		0.98	U	0.11	0.98
Methylcyclohexane		0.98	U	0.098	0.98
Methylene Chloride		0.98	U	0.15	0.98
m-Xylene & p-Xylene		0.98	U	0.58	0.98
o-Xylene		0.98	U	0.19	0.98
Styrene		0.98	U	0.27	0.98
Tetrachloroethene		0.98	U	0.12	0.98
Toluene		0.98	U	0.14	0.98
trans-1,2-Dichloroethene		0.98	U	0.13	0.98
trans-1,3-Dichloropropene		0.98	U	0.098	0.98

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - Sand**

Lab Sample ID: 460-75841-1 Date Sampled: 05/08/2014 1420
Client Matrix: Solid % Moisture: 4.4 Date Received: 05/09/2014 1640

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-223925	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-223546	Lab File ID:	D1002.D
Dilution:	1.0			Initial Weight/Volume:	5.36 g
Analysis Date:	05/12/2014 1909			Final Weight/Volume:	5 mL
Prep Date:	05/09/2014 2217				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Trichloroethene		0.98	U	0.12	0.98
Trichlorofluoromethane		0.98	U	0.16	0.98
Vinyl chloride		0.98	U	0.33	0.98
1,2-Dichloroethane		0.98	U	0.18	0.98
1,2-Dichlorobenzene		0.98	U	0.098	0.98
1,2-Dibromo-3-Chloropropane		0.98	U	0.43	0.98

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		70 - 130
4-Bromofluorobenzene	104		70 - 130
Dibromofluoromethane (Surr)	116		70 - 130
Toluene-d8 (Surr)	104		70 - 130

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - item#4**

Lab Sample ID: 460-75841-2 Date Sampled: 05/08/2014 1410
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/09/2014 1640

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-223925	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-223546	Lab File ID:	D1003.D
Dilution:	1.0			Initial Weight/Volume:	5.26 g
Analysis Date:	05/12/2014 1932			Final Weight/Volume:	5 mL
Prep Date:	05/09/2014 2218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		1.1	U	0.14	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.098	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane		1.1	U	0.12	1.1
1,1,2-Trichloroethane		1.1	U	0.15	1.1
1,1-Dichloroethane		1.1	U	0.12	1.1
1,1-Dichloroethene		1.1	U	0.21	1.1
1,2,3-Trichlorobenzene		1.1	U	0.18	1.1
1,2,4-Trichlorobenzene		1.1	U	0.21	1.1
1,2-Dichloropropane		1.1	U	0.16	1.1
1,3-Dichlorobenzene		1.1	U	0.18	1.1
1,4-Dichlorobenzene		1.1	U	0.12	1.1
1,4-Dioxane		22	U	14	22
2-Butanone (MEK)		5.5	U	0.69	5.5
2-Hexanone		5.5	U	0.14	5.5
4-Methyl-2-pentanone (MIBK)		5.5	U	0.22	5.5
Acetone		19	B	1.8	5.5
Benzene		1.1	U	0.16	1.1
Bromoform		1.1	U	0.19	1.1
Bromomethane		1.1	U	0.47	1.1
Carbon disulfide		1.1	U	0.16	1.1
Carbon tetrachloride		1.1	U	0.16	1.1
Chlorobenzene		1.1	U	0.20	1.1
Chlorobromomethane		1.1	U	0.12	1.1
Chlorodibromomethane		1.1	U	0.11	1.1
Chloroethane		1.1	U	0.36	1.1
Chloroform		1.1	U	0.26	1.1
Chloromethane		1.1	U	0.18	1.1
cis-1,2-Dichloroethene		1.1	U	0.12	1.1
cis-1,3-Dichloropropene		1.1	U	0.15	1.1
Cyclohexane		1.1	U	0.14	1.1
Dichlorobromomethane		1.1	U	0.35	1.1
Dichlorodifluoromethane		1.1	U	0.24	1.1
Ethylbenzene		1.1	U	0.19	1.1
Ethylene Dibromide		1.1	U	0.16	1.1
Isopropylbenzene		1.1	U	0.12	1.1
Methyl acetate		5.5	U	0.35	5.5
Methyl tert-butyl ether		1.1	U	0.12	1.1
Methylcyclohexane		1.1	U	0.11	1.1
Methylene Chloride		1.1	U	0.16	1.1
m-Xylene & p-Xylene		1.1	U	0.65	1.1
o-Xylene		1.1	U	0.21	1.1
Styrene		1.1	U	0.31	1.1
Tetrachloroethene		1.1	U	0.13	1.1
Toluene		1.1	U	0.15	1.1
trans-1,2-Dichloroethene		1.1	U	0.14	1.1
trans-1,3-Dichloropropene		1.1	U	0.11	1.1

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - item#4**

Lab Sample ID: 460-75841-2 Date Sampled: 05/08/2014 1410
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/09/2014 1640

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-223925	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-223546	Lab File ID:	D1003.D
Dilution:	1.0			Initial Weight/Volume:	5.26 g
Analysis Date:	05/12/2014 1932			Final Weight/Volume:	5 mL
Prep Date:	05/09/2014 2218				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Trichloroethene		1.1	U	0.13	1.1
Trichlorofluoromethane		1.1	U	0.18	1.1
Vinyl chloride		1.1	U	0.37	1.1
1,2-Dichloroethane		1.1	U	0.20	1.1
1,2-Dichlorobenzene		1.1	U	0.11	1.1
1,2-Dibromo-3-Chloropropane		1.1	U	0.48	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		70 - 130
4-Bromofluorobenzene	112		70 - 130
Dibromofluoromethane (Surr)	66	*	70 - 130
Toluene-d8 (Surr)	111		70 - 130

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - Sand**

Lab Sample ID: 460-75841-1 Date Sampled: 05/08/2014 1420
Client Matrix: Solid % Moisture: 4.4 Date Received: 05/09/2014 1640

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-223788	Lab File ID:	x1134.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	05/13/2014 1133			Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 1115			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		340	U	46	340
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,2'-oxybis[1-chloropropane]		340	U	38	340
2,3,4,6-Tetrachlorophenol		340	U	45	340
2,4,5-Trichlorophenol		340	U	45	340
2,4,6-Trichlorophenol		340	U	40	340
2,4-Dichlorophenol		340	U	51	340
2,4-Dimethylphenol		340	U	85	340
2,4-Dinitrophenol		700	U	200	700
2,4-Dinitrotoluene		70	U	11	70
2,6-Dinitrotoluene		70	U	10	70
2-Chloronaphthalene		340	U	39	340
2-Chlorophenol		340	U	45	340
2-Methylnaphthalene		340	U	44	340
2-Methylphenol		340	U	59	340
2-Nitroaniline		340	U	140	340
2-Nitrophenol		340	U	39	340
3,3'-Dichlorobenzidine		340	U	120	340
3-Nitroaniline		340	U	120	340
4,6-Dinitro-2-methylphenol		700	U	94	700
4-Bromophenyl phenyl ether		340	U	34	340
4-Chloro-3-methylphenol		340	U	52	340
4-Chloroaniline		340	U	91	340
4-Chlorophenyl phenyl ether		340	U	41	340
4-Methylphenol		340	U	68	340
4-Nitroaniline		700	U	110	700
4-Nitrophenol		340	U	220	340
Acenaphthene		340	U	50	340
Acenaphthylene		340	U	41	340
Acetophenone		340	U	53	340
Anthracene		340	U	42	340
Atrazine		340	U	53	340
Benzaldehyde		340	U	41	340
Benzo[a]anthracene		34	U	2.4	34
Benzo[a]pyrene		14	J	2.4	34
Benzo[b]fluoranthene		14	J	2.2	34
Benzo[g,h,i]perylene		340	U	26	340
Benzo[k]fluoranthene		7.3	J	2.6	34
Bis(2-chloroethoxy)methane		340	U	45	340
Bis(2-chloroethyl)ether		34	U	4.7	34
Bis(2-ethylhexyl) phthalate		340	U	110	340
Butyl benzyl phthalate		340	U	32	340
Caprolactam		340	U	80	340
Carbazole		340	U	41	340
Chrysene		340	U	40	340
Dibenz(a,h)anthracene		34	U	4.4	34

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - Sand**

Lab Sample ID: 460-75841-1 Date Sampled: 05/08/2014 1420
Client Matrix: Solid % Moisture: 4.4 Date Received: 05/09/2014 1640

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-223788	Lab File ID:	x1134.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	05/13/2014 1133			Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 1115			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		340	U	41	340
Diethyl phthalate		340	U	41	340
Dimethyl phthalate		340	U	41	340
Di-n-butyl phthalate		340	U	43	340
Di-n-octyl phthalate		340	U	22	340
Fluoranthene		340	U	46	340
Fluorene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorobutadiene		70	U	8.4	70
Hexachlorocyclopentadiene		340	U	41	340
Hexachloroethane		34	U	3.8	34
Indeno[1,2,3-cd]pyrene		8.7	J	6.4	34
Isophorone		340	U	42	340
Naphthalene		340	U	40	340
Nitrobenzene		34	U *	4.9	34
N-Nitrosodi-n-propylamine		34	U	5.8	34
N-Nitrosodiphenylamine		340	U	34	340
Pentachlorophenol		700	U	100	700
Phenanthrene		340	U	44	340
Phenol		340	U	46	340
Pyrene		340	U	29	340

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	81		19 - 114
2-Fluorobiphenyl	107		49 - 112
2-Fluorophenol (Surr)	72		39 - 103
Nitrobenzene-d5 (Surr)	101		40 - 106
Phenol-d5 (Surr)	65		44 - 104
Terphenyl-d14 (Surr)	92		41 - 145

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - item#4**

Lab Sample ID: 460-75841-2 Date Sampled: 05/08/2014 1410
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/09/2014 1640

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-223788	Lab File ID:	x1139.D
Dilution:	2.0			Initial Weight/Volume:	15.03 g
Analysis Date:	05/13/2014 1343			Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 1115			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1'-Biphenyl		760	U	100	760
1,2,4,5-Tetrachlorobenzene		760	U	100	760
2,2'-oxybis[1-chloropropane]		760	U	84	760
2,3,4,6-Tetrachlorophenol		760	U	99	760
2,4,5-Trichlorophenol		760	U	98	760
2,4,6-Trichlorophenol		760	U	89	760
2,4-Dichlorophenol		760	U	110	760
2,4-Dimethylphenol		760	U	190	760
2,4-Dinitrophenol		1500	U	430	1500
2,4-Dinitrotoluene		150	U	25	150
2,6-Dinitrotoluene		150	U	23	150
2-Chloronaphthalene		760	U	85	760
2-Chlorophenol		760	U	100	760
2-Methylnaphthalene		760	U	98	760
2-Methylphenol		760	U	130	760
2-Nitroaniline		760	U	320	760
2-Nitrophenol		760	U	85	760
3,3'-Dichlorobenzidine		760	U	270	760
3-Nitroaniline		760	U	270	760
4,6-Dinitro-2-methylphenol		1500	U	210	1500
4-Bromophenyl phenyl ether		760	U	75	760
4-Chloro-3-methylphenol		760	U	110	760
4-Chloroaniline		760	U	200	760
4-Chlorophenyl phenyl ether		760	U	89	760
4-Methylphenol		760	U	150	760
4-Nitroaniline		1500	U	240	1500
4-Nitrophenol		760	U	490	760
Acenaphthene		110	J	110	760
Acenaphthylene		760	U	90	760
Acetophenone		760	U	120	760
Anthracene		240	J	92	760
Atrazine		760	U	120	760
Benzaldehyde		760	U	89	760
Benzo[a]anthracene		290		5.3	76
Benzo[a]pyrene		220		5.4	76
Benzo[b]fluoranthene		290		4.8	76
Benzo[g,h,i]perylene		190	J	56	760
Benzo[k]fluoranthene		99		5.8	76
Bis(2-chloroethoxy)methane		760	U	98	760
Bis(2-chloroethyl)ether		76	U	10	76
Bis(2-ethylhexyl) phthalate		760	U	250	760
Butyl benzyl phthalate		760	U	70	760
Caprolactam		760	U	180	760
Carbazole		110	J	90	760
Chrysene		300	J	89	760
Dibenz(a,h)anthracene		47	J	9.6	76

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - item#4**

Lab Sample ID: 460-75841-2 Date Sampled: 05/08/2014 1410
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/09/2014 1640

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Prep Method:	3541	Prep Batch:	460-223788	Lab File ID:	x1139.D
Dilution:	2.0			Initial Weight/Volume:	15.03 g
Analysis Date:	05/13/2014 1343			Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 1115			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		100	J	89	760
Diethyl phthalate		760	U	91	760
Dimethyl phthalate		760	U	90	760
Di-n-butyl phthalate		280	J	94	760
Di-n-octyl phthalate		760	U	48	760
Fluoranthene		780		100	760
Fluorene		760	U	97	760
Hexachlorobenzene		76	U	10	76
Hexachlorobutadiene		150	U	19	150
Hexachlorocyclopentadiene		760	U	89	760
Hexachloroethane		76	U	8.5	76
Indeno[1,2,3-cd]pyrene		200		14	76
Isophorone		380	J	92	760
Naphthalene		150	J	88	760
Nitrobenzene		76	U *	11	76
N-Nitrosodi-n-propylamine		76	U	13	76
N-Nitrosodiphenylamine		760	U	75	760
Pentachlorophenol		1500	U	230	1500
Phenanthrene		1200		97	760
Phenol		760	U	100	760
Pyrene		540	J	64	760

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	24		19 - 114
2-Fluorobiphenyl	69		49 - 112
2-Fluorophenol (Surr)	29	*	39 - 103
Nitrobenzene-d5 (Surr)	67		40 - 106
Phenol-d5 (Surr)	42	*	44 - 104
Terphenyl-d14 (Surr)	57		41 - 145

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - Sand**

Lab Sample ID: 460-75841-1 Date Sampled: 05/08/2014 1420
Client Matrix: Solid % Moisture: 4.4 Date Received: 05/09/2014 1640

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-223857	Instrument ID:	CPESTGC1
Prep Method:	3546	Prep Batch:	460-223747	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1326			Injection Volume:	1 uL
Prep Date:	05/12/2014 0614			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
Chlordane (technical)		70	U	20	70
delta-BHC		7.0	U	1.3	7.0
Dieldrin		7.0	U	1.3	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.0	7.0
Endrin ketone		7.0	U	1.4	7.0
gamma-BHC (Lindane)		7.0	U	1.3	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	116		76 - 149
Tetrachloro-m-xylene	117		72 - 136

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - Sand**

Lab Sample ID: 460-75841-1 Date Sampled: 05/08/2014 1420
Client Matrix: Solid % Moisture: 4.4 Date Received: 05/09/2014 1640

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-223857	Instrument ID:	CPESTGC1
Prep Method:	3546	Prep Batch:	460-223747	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1326			Injection Volume:	1 uL
Prep Date:	05/12/2014 0614			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		76 - 149
Tetrachloro-m-xylene	104		72 - 136

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - item#4**

Lab Sample ID: 460-75841-2 Date Sampled: 05/08/2014 1410
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/09/2014 1640

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-223857	Instrument ID:	CPESTGC1
Prep Method:	3546	Prep Batch:	460-223747	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1342			Injection Volume:	1 uL
Prep Date:	05/12/2014 0614			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		7.7	U	1.5	7.7
4,4'-DDE		7.7	U	1.5	7.7
4,4'-DDT		7.7	U	1.8	7.7
Aldrin		7.7	U	1.6	7.7
alpha-BHC		7.7	U	1.7	7.7
beta-BHC		7.7	U	1.8	7.7
Chlordane (technical)		77	U	22	77
delta-BHC		7.7	U	1.4	7.7
Dieldrin		7.7	U	1.4	7.7
Endosulfan I		7.7	U	1.7	7.7
Endosulfan II		7.7	U	1.5	7.7
Endosulfan sulfate		7.7	U	1.5	7.7
Endrin		7.7	U	1.8	7.7
Endrin aldehyde		7.7	U	1.1	7.7
Endrin ketone		7.7	U	1.5	7.7
gamma-BHC (Lindane)		7.7	U	1.4	7.7
Heptachlor		7.7	U	1.8	7.7
Heptachlor epoxide		7.7	U	1.7	7.7
Methoxychlor		7.7	U	1.8	7.7
Toxaphene		77	U	21	77

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	113		76 - 149
Tetrachloro-m-xylene	108		72 - 136

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - item#4**

Lab Sample ID: 460-75841-2 Date Sampled: 05/08/2014 1410
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/09/2014 1640

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	460-223857	Instrument ID:	CPESTGC1
Prep Method:	3546	Prep Batch:	460-223747	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1342			Injection Volume:	1 uL
Prep Date:	05/12/2014 0614			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		76 - 149
Tetrachloro-m-xylene	95		72 - 136

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - Sand**

Lab Sample ID: 460-75841-1 Date Sampled: 05/08/2014 1420
Client Matrix: Solid % Moisture: 4.4 Date Received: 05/09/2014 1640

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-223864	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-223758	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1506			Injection Volume:	1 uL
Prep Date:	05/12/2014 0648			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor-1262		70	U	20	70
Aroclor 1268		70	U	20	70
Polychlorinated biphenyls, Total		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		53 - 150

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - Sand**

Lab Sample ID: 460-75841-1 Date Sampled: 05/08/2014 1420
Client Matrix: Solid % Moisture: 4.4 Date Received: 05/09/2014 1640

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-223864	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-223758	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1506			Injection Volume:	1 uL
Prep Date:	05/12/2014 0648			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		53 - 150

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - item#4**

Lab Sample ID: 460-75841-2 Date Sampled: 05/08/2014 1410
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/09/2014 1640

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-223864	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-223758	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1525			Injection Volume:	1 uL
Prep Date:	05/12/2014 0648			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		77	U	17	77
Aroclor 1221		77	U	17	77
Aroclor 1232		77	U	17	77
Aroclor 1242		77	U	17	77
Aroclor 1248		77	U	17	77
Aroclor 1254		77	U	22	77
Aroclor 1260		77	U	22	77
Aroclor-1262		77	U	22	77
Aroclor 1268		77	U	22	77
Polychlorinated biphenyls, Total		77	U	22	77

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		53 - 150

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - item#4**

Lab Sample ID: 460-75841-2 Date Sampled: 05/08/2014 1410
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/09/2014 1640

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	460-223864	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-223758	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/12/2014 1525			Injection Volume:	1 uL
Prep Date:	05/12/2014 0648			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		53 - 150

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - Sand**

Lab Sample ID: 460-75841-1 Date Sampled: 05/08/2014 1420
Client Matrix: Solid % Moisture: 4.4 Date Received: 05/09/2014 1640

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-223942	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-223622	Lab File ID:	223620.asc
Dilution:	4.0			Initial Weight/Volume:	1.10 g
Analysis Date:	05/12/2014 1249			Final Weight/Volume:	50 mL
Prep Date:	05/10/2014 1547				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.9	U	0.37	1.9
Aluminum		823		21.0	38.0
Arsenic		0.92	J	0.78	2.9
Barium		3.8	J	1.6	38.0
Beryllium		0.38	U	0.26	0.38
Calcium		414	J	72.7	951
Cadmium		0.76	U	0.27	0.76
Cobalt		9.5	U	0.86	9.5
Chromium		3.8		0.76	1.9
Copper		4.8	U	1.7	4.8
Iron		3130		23.7	28.5
Potassium		91.6	J	26.2	951
Magnesium		181	J	63.1	951
Manganese		35.7		0.82	2.9
Sodium		951	U	71.9	951
Nickel		7.6	U	1.7	7.6
Lead		0.97	J	0.78	1.9
Antimony		3.8	U	1.4	3.8
Selenium		3.8	U	1.1	3.8
Thallium		3.8	U	1.9	3.8
Vanadium		3.6	J	0.79	9.5
Zinc		4.1	J	1.6	5.7

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-223808	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-223739	Lab File ID:	223739HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	05/12/2014 0922			Final Weight/Volume:	50 mL
Prep Date:	05/12/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

Client: New York State D.E.C. Job Number: 460-75841-1

Client Sample ID: **Fill - item#4**

Lab Sample ID: 460-75841-2 Date Sampled: 05/08/2014 1410
Client Matrix: Solid % Moisture: 13.1 Date Received: 05/09/2014 1640

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-223942	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-223622	Lab File ID:	223620.asc
Dilution:	4.0			Initial Weight/Volume:	1.20 g
Analysis Date:	05/12/2014 1325			Final Weight/Volume:	50 mL
Prep Date:	05/10/2014 1547				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		1.9	U	0.37	1.9
Aluminum		6800		21.2	38.4
Arsenic		5.1		0.79	2.9
Barium		44.7		1.7	38.4
Beryllium		0.26	J	0.26	0.38
Cadmium		0.77	U	0.27	0.77
Cobalt		3.1	J	0.87	9.6
Chromium		17.7		0.77	1.9
Copper		11.3		1.7	4.8
Iron		10400		23.9	28.8
Potassium		607	J	26.5	959
Magnesium		4530		63.7	959
Manganese		153		0.83	2.9
Sodium		959	U	72.5	959
Nickel		9.0		1.7	7.7
Lead		20.3		0.79	1.9
Antimony		3.8	U	1.4	3.8
Selenium		3.8	U	1.1	3.8
Thallium		3.8	U	1.9	3.8
Vanadium		18.4		0.79	9.6
Zinc		38.8		1.6	5.8

Analysis Method:	6010C	Analysis Batch:	460-224465	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-223622	Lab File ID:	icp4_051414.asc
Dilution:	10			Initial Weight/Volume:	1.20 g
Analysis Date:	05/14/2014 2058			Final Weight/Volume:	50 mL
Prep Date:	05/10/2014 1547				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		61200		183	2400

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-223808	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-223739	Lab File ID:	223739HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	05/12/2014 0923			Final Weight/Volume:	50 mL
Prep Date:	05/12/2014 0530				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.039		0.014	0.020

General Chemistry

Client Sample ID: **Fill - Sand**

Lab Sample ID: 460-75841-1 Date Sampled: 05/08/2014 1420

Client Matrix: Solid Date Received: 05/09/2014 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-223613	Analysis Date: 05/10/2014 1551						DryWt Corrected: N
Percent Solids	95.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-223613	Analysis Date: 05/10/2014 1551						DryWt Corrected: N

General Chemistry

Client Sample ID: **Fill - item#4**

Lab Sample ID: 460-75841-2 Date Sampled: 05/08/2014 1410

Client Matrix: Solid Date Received: 05/09/2014 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-223613		Analysis Date: 05/10/2014 1551				DryWt Corrected: N
Percent Solids	86.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-223613		Analysis Date: 05/10/2014 1551				DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: New York State D.E.C. Job Number: 460-75841-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	Surrogate exceeds the control limit
	B	The analyte was found in an associated blank, as well as in the sample.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	*	Duplicate RPD exceeds control limits
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
	*	MS or MSD exceeds the control limits
	*	Surrogate exceeds the control limit
GC Semi VOA		
	U	Analyzed for but not detected.
Metals		
	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL
	N	Spiked sample recovery is not within control limits.

QUALITY CONTROL RESULTS

Client: New York State D.E.C. Job Number: 460-75841-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-223546					
LB3 460-223546/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	5035	
460-75841-1	Fill - Sand	T	Solid	5035	
460-75841-2	Fill - item#4	T	Solid	5035	
Analysis Batch:460-223925					
LCS 460-223925/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-223925/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-223925/6	Method Blank	T	Solid	8260C	
LB3 460-223546/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	8260C	460-223546
460-75841-1	Fill - Sand	T	Solid	8260C	460-223546
460-75841-2	Fill - item#4	T	Solid	8260C	460-223546

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 460-223788					
LCS 460-223788/2-A	Lab Control Sample	T	Solid	3541	
LCS 460-223788/3-A	Lab Control Sample	T	Solid	3541	
MB 460-223788/1-A	Method Blank	T	Solid	3541	
460-75841-1	Fill - Sand	T	Solid	3541	
460-75841-2	Fill - item#4	T	Solid	3541	
460-75842-E-10-C MS	Matrix Spike	T	Solid	3541	
460-75842-E-10-D MSD	Matrix Spike Duplicate	T	Solid	3541	
Analysis Batch:460-223977					
LCS 460-223788/2-A	Lab Control Sample	T	Solid	8270D	460-223788
LCS 460-223788/3-A	Lab Control Sample	T	Solid	8270D	460-223788
MB 460-223788/1-A	Method Blank	T	Solid	8270D	460-223788
460-75841-1	Fill - Sand	T	Solid	8270D	460-223788
460-75841-2	Fill - item#4	T	Solid	8270D	460-223788
460-75842-E-10-C MS	Matrix Spike	T	Solid	8270D	460-223788
460-75842-E-10-D MSD	Matrix Spike Duplicate	T	Solid	8270D	460-223788

Report Basis
T = Total

Client: New York State D.E.C. Job Number: 460-75841-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-223747					
LCS 460-223747/2-A	Lab Control Sample	T	Solid	3546	
MB 460-223747/1-A	Method Blank	T	Solid	3546	
460-75444-C-20-M MS	Matrix Spike	T	Solid	3546	
460-75444-C-20-N MSD	Matrix Spike Duplicate	T	Solid	3546	
460-75841-1	Fill - Sand	T	Solid	3546	
460-75841-2	Fill - item#4	T	Solid	3546	
Prep Batch: 460-223758					
LCS 460-223758/2-A	Lab Control Sample	T	Solid	3546	
MB 460-223758/1-A	Method Blank	T	Solid	3546	
460-75444-C-20-P MS	Matrix Spike	T	Solid	3546	
460-75444-C-20-Q MSD	Matrix Spike Duplicate	T	Solid	3546	
460-75841-1	Fill - Sand	T	Solid	3546	
460-75841-2	Fill - item#4	T	Solid	3546	
Analysis Batch:460-223777					
LCS 460-223747/2-A	Lab Control Sample	T	Solid	8081B	460-223747
MB 460-223747/1-A	Method Blank	T	Solid	8081B	460-223747
460-75444-C-20-M MS	Matrix Spike	T	Solid	8081B	460-223747
460-75444-C-20-N MSD	Matrix Spike Duplicate	T	Solid	8081B	460-223747
Analysis Batch:460-223857					
460-75841-1	Fill - Sand	T	Solid	8081B	460-223747
460-75841-2	Fill - item#4	T	Solid	8081B	460-223747
Analysis Batch:460-223864					
LCS 460-223758/2-A	Lab Control Sample	T	Solid	8082A	460-223758
MB 460-223758/1-A	Method Blank	T	Solid	8082A	460-223758
460-75444-C-20-P MS	Matrix Spike	T	Solid	8082A	460-223758
460-75444-C-20-Q MSD	Matrix Spike Duplicate	T	Solid	8082A	460-223758
460-75841-1	Fill - Sand	T	Solid	8082A	460-223758
460-75841-2	Fill - item#4	T	Solid	8082A	460-223758

Report Basis

T = Total

Client: New York State D.E.C. Job Number: 460-75841-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-223622					
LCSSRM 460-223622/2-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-223622/1-A ^2	Method Blank	T	Solid	3050B	
460-75841-1	Fill - Sand	T	Solid	3050B	
460-75841-1DU	Duplicate	T	Solid	3050B	
460-75841-1MS	Matrix Spike	T	Solid	3050B	
460-75841-2	Fill - item#4	T	Solid	3050B	
Prep Batch: 460-223739					
LCSSRM 460-223739/11-A ^50	LCS-Certified Reference Material	T	Solid	7471B	
MB 460-223739/10-A	Method Blank	T	Solid	7471B	
460-75841-1	Fill - Sand	T	Solid	7471B	
460-75841-2	Fill - item#4	T	Solid	7471B	
460-75854-A-1-B DU	Duplicate	T	Solid	7471B	
460-75854-A-1-C MS	Matrix Spike	T	Solid	7471B	
Analysis Batch:460-223808					
LCSSRM 460-223739/11-A ^50	LCS-Certified Reference Material	T	Solid	7471B	460-223739
MB 460-223739/10-A	Method Blank	T	Solid	7471B	460-223739
460-75841-1	Fill - Sand	T	Solid	7471B	460-223739
460-75841-2	Fill - item#4	T	Solid	7471B	460-223739
460-75854-A-1-B DU	Duplicate	T	Solid	7471B	460-223739
460-75854-A-1-C MS	Matrix Spike	T	Solid	7471B	460-223739
Analysis Batch:460-223942					
LCSSRM 460-223622/2-A	LCS-Certified Reference Material	T	Solid	6010C	460-223622
MB 460-223622/1-A ^2	Method Blank	T	Solid	6010C	460-223622
460-75841-1	Fill - Sand	T	Solid	6010C	460-223622
460-75841-1DU	Duplicate	T	Solid	6010C	460-223622
460-75841-1MS	Matrix Spike	T	Solid	6010C	460-223622
460-75841-2	Fill - item#4	T	Solid	6010C	460-223622
Analysis Batch:460-224465					
460-75841-2	Fill - item#4	T	Solid	6010C	460-223622

Report Basis

T = Total

Client: New York State D.E.C. Job Number: 460-75841-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-223613					
460-75841-1	Fill - Sand	T	Solid	Moisture	
460-75841-2	Fill - item#4	T	Solid	Moisture	
460-75841-2DU	Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Client: New York State D.E.C. Job Number: 460-75841-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-75841-1	Fill - Sand	114	104	116	104
460-75841-2	Fill - item#4	118	112	66*	111
MB 460-223925/6		107	103	104	101
LB3 460-223546/1-A		106	103	110	102
LCS 460-223925/3		97	101	99	102
LCSD 460-223925/4		93	100	93	99

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130

Client: New York State D.E.C. Job Number: 460-75841-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
460-75841-1	Fill - Sand	81	107	72	101	65	92
460-75841-2	Fill - item#4	24	69	29*	67	42*	57
MB 460-223788/1-A		86	99	80	98	78	115
LCS 460-223788/2-A		97	102	85	102	82	116
LCS 460-223788/3-A		65	80	59	74	58	72
460-75842-E-10-C MS		66	95	63	85	60	72
460-75842-E-10-D MSD		56	85	58	77	55	66

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol (Surr)	19-114
FBP = 2-Fluorobiphenyl	49-112
2FP = 2-Fluorophenol (Surr)	39-103
NBZ = Nitrobenzene-d5 (Surr)	40-106
PHL = Phenol-d5 (Surr)	44-104
TPH = Terphenyl-d14 (Surr)	41-145

Client: New York State D.E.C. Job Number: 460-75841-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec	TCX1 %Rec	TCX2 %Rec
460-75841-1	Fill - Sand	114	116	104	117
460-75841-2	Fill - item#4	113	109	95	108
MB 460-223747/1-A		108	104	107	108
LCS 460-223747/2-A		109	103	99	97
460-75444-C-20-M MS		109	111	105	108
460-75444-C-20-N MSD		113	116	110	115

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	76-149
TCX = Tetrachloro-m-xylene	72-136

Client: New York State D.E.C. Job Number: 460-75841-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-75841-1	Fill - Sand	111	91
460-75841-2	Fill - item#4	115	104
MB 460-223758/1-A		111	95
LCS 460-223758/2-A		110	98
460-75444-C-20-P MS		115	101
460-75444-C-20-Q MSD		119	104

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	53-150

Client: New York State D.E.C. Job Number: 460-75841-1

Neutral Leach or MeOH Extraction Blank - Batch: 460-223546

Method: 8260C
Preparation: 5035

Lab Sample ID:	LB3 460-223546/1-A	Analysis Batch:	460-223925	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	460-223546	Lab File ID:	D1000.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	05/12/2014 1823	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	05/09/2014 2216				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.13	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
1,1-Dichloroethene	1.0	U	0.19	1.0
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
1,2-Dichloropropane	1.0	U	0.15	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
1,4-Dioxane	20	U	13	20
2-Butanone (MEK)	5.0	U	0.63	5.0
2-Hexanone	5.0	U	0.13	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.20	5.0
Acetone	4.34	J	1.7	5.0
Benzene	1.0	U	0.15	1.0
Bromoform	1.0	U	0.17	1.0
Bromomethane	1.0	U	0.43	1.0
Carbon disulfide	1.0	U	0.15	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
Chlorobenzene	1.0	U	0.18	1.0
Chlorobromomethane	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.10	1.0
Chloroethane	1.0	U	0.33	1.0
Chloroform	1.0	U	0.24	1.0
Chloromethane	1.0	U	0.16	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Cyclohexane	1.0	U	0.13	1.0
Dichlorobromomethane	1.0	U	0.32	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.17	1.0
Ethylene Dibromide	1.0	U	0.15	1.0
Isopropylbenzene	1.0	U	0.11	1.0
Methyl acetate	5.0	U	0.32	5.0
Methyl tert-butyl ether	1.0	U	0.11	1.0
Methylcyclohexane	1.0	U	0.10	1.0
Methylene Chloride	1.0	U	0.15	1.0
m-Xylene & p-Xylene	1.0	U	0.59	1.0
o-Xylene	1.0	U	0.19	1.0
Styrene	1.0	U	0.28	1.0
Tetrachloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.14	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0

Client: New York State D.E.C. Job Number: 460-75841-1

Neutral Leach or MeOH Extraction Blank - Batch: 460-223546

Method: 8260C
Preparation: 5035

Lab Sample ID:	LB3 460-223546/1-A	Analysis Batch:	460-223925	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	460-223546	Lab File ID:	D1000.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	05/12/2014 1823	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	05/09/2014 2216				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
Trichloroethene	1.0	U	0.12	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0
Vinyl chloride	1.0	U	0.34	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	70 - 130
4-Bromofluorobenzene	103	70 - 130
Dibromofluoromethane (Surr)	110	70 - 130
Toluene-d8 (Surr)	102	70 - 130

Client: New York State D.E.C. Job Number: 460-75841-1

Method Blank - Batch: 460-223925 **Method: 8260C**
Preparation: N/A

Lab Sample ID:	MB 460-223925/6	Analysis Batch:	460-223925	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D0994.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/12/2014 1606	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.13	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
1,1-Dichloroethene	1.0	U	0.19	1.0
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
1,2-Dichloropropane	1.0	U	0.15	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
1,4-Dioxane	20	U	13	20
2-Butanone (MEK)	5.0	U	0.63	5.0
2-Hexanone	5.0	U	0.13	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.20	5.0
Acetone	6.98		1.7	5.0
Benzene	1.0	U	0.15	1.0
Bromoform	1.0	U	0.17	1.0
Bromomethane	1.0	U	0.43	1.0
Carbon disulfide	1.0	U	0.15	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
Chlorobenzene	1.0	U	0.18	1.0
Chlorobromomethane	1.0	U	0.11	1.0
Chlorodibromomethane	1.0	U	0.10	1.0
Chloroethane	1.0	U	0.33	1.0
Chloroform	1.0	U	0.24	1.0
Chloromethane	1.0	U	0.16	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Cyclohexane	1.0	U	0.13	1.0
Dichlorobromomethane	1.0	U	0.32	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
Ethylbenzene	1.0	U	0.17	1.0
Ethylene Dibromide	1.0	U	0.15	1.0
Isopropylbenzene	1.0	U	0.11	1.0
Methyl acetate	5.0	U	0.32	5.0
Methyl tert-butyl ether	1.0	U	0.11	1.0
Methylcyclohexane	1.0	U	0.10	1.0
Methylene Chloride	1.0	U	0.15	1.0
m-Xylene & p-Xylene	1.0	U	0.59	1.0
o-Xylene	1.0	U	0.19	1.0
Styrene	1.0	U	0.28	1.0
Tetrachloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.14	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0

Client: New York State D.E.C. Job Number: 460-75841-1

Method Blank - Batch: 460-223925

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-223925/6	Analysis Batch:	460-223925	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D0994.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/12/2014 1606	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
Trichloroethene	1.0	U	0.12	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0
Vinyl chloride	1.0	U	0.34	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	70 - 130
4-Bromofluorobenzene	103	70 - 130
Dibromofluoromethane (Surr)	104	70 - 130
Toluene-d8 (Surr)	101	70 - 130

Client: New York State D.E.C. Job Number: 460-75841-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-223925

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-223925/3	Analysis Batch:	460-223925	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D0991.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/12/2014 1443	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-223925/4	Analysis Batch:	460-223925	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D0992.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/12/2014 1506	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	90	84	82 - 129	6	30		
1,1,2,2-Tetrachloroethane	85	90	66 - 121	5	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	95	88	73 - 134	8	30		
1,1,2-Trichloroethane	87	93	74 - 116	7	30		
1,1-Dichloroethane	93	89	78 - 125	4	30		
1,1-Dichloroethene	93	89	74 - 128	5	30		
1,2,3-Trichlorobenzene	89	91	81 - 123	1	30		
1,2,4-Trichlorobenzene	92	92	81 - 127	1	30		
1,2-Dichloropropane	91	89	72 - 123	3	30		
1,3-Dichlorobenzene	86	86	78 - 120	0	30		
1,4-Dichlorobenzene	84	84	77 - 120	0	30		
1,4-Dioxane	88	89	69 - 142	1	30		
2-Butanone (MEK)	91	93	58 - 140	3	30		
2-Hexanone	82	92	52 - 134	12	30		
4-Methyl-2-pentanone (MIBK)	87	92	55 - 133	6	30		
Acetone	93	88	58 - 139	6	30		
Benzene	91	90	75 - 123	1	30		
Bromoform	77	79	70 - 130	2	30		
Bromomethane	89	89	62 - 150	0	30		
Carbon disulfide	91	86	73 - 127	5	30		
Carbon tetrachloride	92	86	77 - 137	7	30		
Chlorobenzene	86	86	80 - 120	0	30		
Chlorobromomethane	90	90	82 - 127	0	30		
Chlorodibromomethane	83	87	74 - 124	5	30		
Chloroethane	94	95	60 - 140	0	30		
Chloroform	90	87	77 - 122	4	30		
Chloromethane	88	85	48 - 144	3	30		
cis-1,2-Dichloroethene	93	92	82 - 121	1	30		
cis-1,3-Dichloropropene	91	92	75 - 119	1	30		
Cyclohexane	98	89	66 - 128	9	30		
Dichlorobromomethane	88	84	77 - 122	4	30		
Dichlorodifluoromethane	96	90	52 - 145	7	30		
Ethylbenzene	91	90	80 - 120	2	30		
Ethylene Dibromide	83	89	78 - 117	7	30		
Isopropylbenzene	99	96	80 - 120	3	30		

Client: New York State D.E.C. Job Number: 460-75841-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-223925

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-223925/3	Analysis Batch:	460-223925	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D0991.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/12/2014 1443	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-223925/4	Analysis Batch:	460-223925	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D0992.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/12/2014 1506	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl acetate	84	84	61 - 137	0	30		
Methyl tert-butyl ether	87	86	75 - 124	2	30		
Methylcyclohexane	98	89	80 - 125	9	30		
Methylene Chloride	91	88	75 - 124	3	30		
m-Xylene & p-Xylene	92	90	79 - 120	2	30		
o-Xylene	97	97	77 - 120	0	30		
Styrene	94	93	78 - 120	0	30		
Tetrachloroethene	89	88	80 - 127	2	30		
Toluene	90	90	82 - 117	0	30		
trans-1,2-Dichloroethene	95	88	83 - 124	8	30		
trans-1,3-Dichloropropene	85	87	74 - 119	2	30		
Trichloroethene	91	89	78 - 122	2	30		
Trichlorofluoromethane	95	86	63 - 147	10	30		
Vinyl chloride	87	89	62 - 132	2	30		
1,2-Dichloroethane	86	86	79 - 120	0	30		
1,2-Dichlorobenzene	86	91	77 - 120	5	30		
1,2-Dibromo-3-Chloropropane	73	88	61 - 125	18	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	93	70 - 130
4-Bromofluorobenzene	101	100	70 - 130
Dibromofluoromethane (Surr)	99	93	70 - 130
Toluene-d8 (Surr)	102	99	70 - 130

Client: New York State D.E.C. Job Number: 460-75841-1

Method Blank - Batch: 460-223788

Method: 8270D
Preparation: 3541

Lab Sample ID:	MB 460-223788/1-A	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-223788	Lab File ID:	x1119.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/13/2014 0440	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 0845			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1'-Biphenyl	330	U	44	330
1,2,4,5-Tetrachlorobenzene	330	U	45	330
2,2'-oxybis[1-chloropropane]	330	U	37	330
2,3,4,6-Tetrachlorophenol	330	U	43	330
2,4,5-Trichlorophenol	330	U	43	330
2,4,6-Trichlorophenol	330	U	39	330
2,4-Dichlorophenol	330	U	48	330
2,4-Dimethylphenol	330	U	82	330
2,4-Dinitrophenol	670	U	190	670
2,4-Dinitrotoluene	67	U	11	67
2,6-Dinitrotoluene	67	U	10	67
2-Chloronaphthalene	330	U	37	330
2-Chlorophenol	330	U	44	330
2-Methylnaphthalene	330	U	43	330
2-Methylphenol	330	U	56	330
2-Nitroaniline	330	U	140	330
2-Nitrophenol	330	U	37	330
3,3'-Dichlorobenzidine	330	U	120	330
3-Nitroaniline	330	U	120	330
4,6-Dinitro-2-methylphenol	670	U	90	670
4-Bromophenyl phenyl ether	330	U	33	330
4-Chloro-3-methylphenol	330	U	50	330
4-Chloroaniline	330	U	88	330
4-Chlorophenyl phenyl ether	330	U	39	330
4-Methylphenol	330	U	65	330
4-Nitroaniline	670	U	100	670
4-Nitrophenol	330	U	210	330
Acenaphthene	330	U	48	330
Acenaphthylene	330	U	39	330
Acetophenone	330	U	51	330
Anthracene	330	U	40	330
Atrazine	330	U	51	330
Benzaldehyde	330	U	39	330
Benzo[a]anthracene	33	U	2.3	33
Benzo[a]pyrene	33	U	2.3	33
Benzo[b]fluoranthene	33	U	2.1	33
Benzo[g,h,i]perylene	330	U	25	330
Benzo[k]fluoranthene	33	U	2.5	33
Bis(2-chloroethoxy)methane	330	U	43	330
Bis(2-chloroethyl)ether	33	U	4.5	33
Bis(2-ethylhexyl) phthalate	330	U	110	330
Butyl benzyl phthalate	330	U	30	330
Caprolactam	330	U	76	330
Carbazole	330	U	39	330
Chrysene	330	U	39	330

Client: New York State D.E.C. Job Number: 460-75841-1

Method Blank - Batch: 460-223788 **Method: 8270D**
Preparation: 3541

Lab Sample ID:	MB 460-223788/1-A	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-223788	Lab File ID:	x1119.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/13/2014 0440	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 0845			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	33	U	4.2	33
Dibenzofuran	330	U	39	330
Diethyl phthalate	330	U	39	330
Dimethyl phthalate	330	U	39	330
Di-n-butyl phthalate	330	U	41	330
Di-n-octyl phthalate	330	U	21	330
Fluoranthene	330	U	44	330
Fluorene	330	U	42	330
Hexachlorobenzene	33	U	4.5	33
Hexachlorobutadiene	67	U	8.1	67
Hexachlorocyclopentadiene	330	U	39	330
Hexachloroethane	33	U	3.7	33
Indeno[1,2,3-cd]pyrene	33	U	6.2	33
Isophorone	330	U	40	330
Naphthalene	330	U	38	330
Nitrobenzene	33	U	4.7	33
N-Nitrosodi-n-propylamine	33	U	5.5	33
N-Nitrosodiphenylamine	330	U	33	330
Pentachlorophenol	670	U	99	670
Phenanthrene	330	U	42	330
Phenol	330	U	44	330
Pyrene	330	U	28	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	86	19 - 114
2-Fluorobiphenyl	99	49 - 112
2-Fluorophenol (Surr)	80	39 - 103
Nitrobenzene-d5 (Surr)	98	40 - 106
Phenol-d5 (Surr)	78	44 - 104
Terphenyl-d14 (Surr)	115	41 - 145

Lab Control Sample - Batch: 460-223788 **Method: 8270D**
Preparation: 3541

Lab Sample ID:	LCS 460-223788/2-A	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-223788	Lab File ID:	x1120.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/13/2014 0507	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 0845			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzaldehyde	6670	4410	66	10 - 139	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	97	19 - 114
2-Fluorobiphenyl	102	49 - 112
2-Fluorophenol (Surr)	85	39 - 103
Nitrobenzene-d5 (Surr)	102	40 - 106
Phenol-d5 (Surr)	82	44 - 104
Terphenyl-d14 (Surr)	116	41 - 145

Lab Control Sample - Batch: 460-223788 **Method: 8270D**
Preparation: 3541

Lab Sample ID:	LCS 460-223788/3-A	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-223788	Lab File ID:	x1121.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/13/2014 0534	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 0845			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1'-Biphenyl	3330	2910	87	10 - 134	
1,2,4,5-Tetrachlorobenzene	3330	2920	88	45 - 95	
2,2'-oxybis[1-chloropropane]	3330	2520	76	31 - 101	
2,3,4,6-Tetrachlorophenol	3330	2410	72	49 - 104	
2,4,5-Trichlorophenol	3330	2450	73	49 - 96	
2,4,6-Trichlorophenol	3330	2510	75	49 - 96	
2,4-Dichlorophenol	3330	2490	75	50 - 100	
2,4-Dimethylphenol	3330	2460	74	46 - 95	
2,4-Dinitrophenol	6670	3950	59	10 - 139	
2,4-Dinitrotoluene	3330	2690	81	49 - 102	
2,6-Dinitrotoluene	3330	2640	79	52 - 104	
2-Chloronaphthalene	3330	2790	84	49 - 93	
2-Chlorophenol	3330	2190	66	49 - 96	
2-Methylnaphthalene	3330	2840	85	52 - 100	
2-Methylphenol	3330	2160	65	47 - 99	
2-Nitroaniline	3330	2480	74	35 - 92	
2-Nitrophenol	3330	2520	76	51 - 98	
3,3'-Dichlorobenzidine	3330	1630	49	9 - 89	
3-Nitroaniline	3330	1550	46	19 - 90	

Client: New York State D.E.C. Job Number: 460-75841-1

Lab Control Sample - Batch: 460-223788

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-223788/3-A	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-223788	Lab File ID:	x1121.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/13/2014 0534	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 0845			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,6-Dinitro-2-methylphenol	6670	4520	68	14 - 128	
4-Bromophenyl phenyl ether	3330	2750	83	50 - 103	
4-Chloro-3-methylphenol	3330	2410	72	50 - 102	
4-Chloroaniline	3330	1110	33	10 - 86	
4-Chlorophenyl phenyl ether	3330	2740	82	49 - 95	
4-Methylphenol	3330	2250	68	43 - 100	
4-Nitroaniline	3330	2140	64	33 - 102	
4-Nitrophenol	6670	4460	67	34 - 112	
Acenaphthene	3330	2800	84	48 - 99	
Acenaphthylene	3330	2770	83	49 - 97	
Acetophenone	3330	2310	69	10 - 126	
Anthracene	3330	2680	80	51 - 97	
Atrazine	3330	2170	65	10 - 147	
Benzo[a]anthracene	3330	2730	82	51 - 97	
Benzo[a]pyrene	3330	2960	89	59 - 116	
Benzo[b]fluoranthene	3330	2880	86	55 - 115	
Benzo[g,h,i]perylene	3330	3010	90	46 - 120	
Benzo[k]fluoranthene	3330	2910	87	53 - 113	
Bis(2-chloroethoxy)methane	3330	2550	77	48 - 95	
Bis(2-chloroethyl)ether	3330	2460	74	45 - 92	
Bis(2-ethylhexyl) phthalate	3330	2930	88	47 - 102	
Butyl benzyl phthalate	3330	2710	81	47 - 107	
Caprolactam	3330	2370	71	10 - 120	
Carbazole	3330	2570	77	50 - 102	
Chrysene	3330	2610	78	50 - 94	
Dibenz(a,h)anthracene	3330	2910	87	48 - 115	
Dibenzofuran	3330	2710	81	50 - 96	
Diethyl phthalate	3330	2650	80	46 - 100	
Dimethyl phthalate	3330	2640	79	51 - 99	
Di-n-butyl phthalate	3330	2740	82	50 - 99	
Di-n-octyl phthalate	3330	3000	90	43 - 120	
Fluoranthene	3330	2630	79	45 - 101	
Fluorene	3330	2830	85	50 - 95	
Hexachlorobenzene	3330	2910	87	50 - 104	
Hexachlorobutadiene	3330	2890	87	49 - 97	
Hexachlorocyclopentadiene	3330	2370	71	43 - 115	
Hexachloroethane	3330	2570	77	47 - 88	
Indeno[1,2,3-cd]pyrene	3330	3050	91	47 - 124	
Isophorone	3330	2530	76	51 - 100	
Naphthalene	3330	2680	81	48 - 92	
Nitrobenzene	3330	2770	83	33 - 72	*

Client: New York State D.E.C. Job Number: 460-75841-1

Lab Control Sample - Batch: 460-223788

Method: 8270D
Preparation: 3541

Lab Sample ID:	LCS 460-223788/3-A	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-223788	Lab File ID:	x1121.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/13/2014 0534	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 0845			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
N-Nitrosodi-n-propylamine	3330	2520	76	49 - 99	
N-Nitrosodiphenylamine	3330	2820	84	51 - 103	
Pentachlorophenol	6670	4430	66	37 - 99	
Phenanthrene	3330	2720	82	51 - 97	
Phenol	3330	2080	62	46 - 97	
Pyrene	3330	2600	78	39 - 119	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	65	19 - 114
2-Fluorobiphenyl	80	49 - 112
2-Fluorophenol (Surr)	59	39 - 103
Nitrobenzene-d5 (Surr)	74	40 - 106
Phenol-d5 (Surr)	58	44 - 104
Terphenyl-d14 (Surr)	72	41 - 145

Client: New York State D.E.C. Job Number: 460-75841-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-223788

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	460-75842-E-10-C MS	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-223788	Lab File ID:	x1129.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	05/13/2014 0907			Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 0845			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-75842-E-10-D MSD	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-223788	Lab File ID:	x1130.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	05/13/2014 0933			Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 0845			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1'-Biphenyl	96	88	10 - 134	9	30		
1,2,4,5-Tetrachlorobenzene	94	83	45 - 95	12	30		
2,2'-oxybis[1-chloropropane]	76	69	31 - 101	9	30		
2,3,4,6-Tetrachlorophenol	54	50	49 - 104	8	30		
2,4,5-Trichlorophenol	76	69	49 - 96	9	30		
2,4,6-Trichlorophenol	75	67	49 - 96	12	30		
2,4-Dichlorophenol	72	65	50 - 100	10	30		
2,4-Dimethylphenol	73	68	46 - 95	7	30		
2,4-Dinitrophenol	21	13	10 - 139	49	30		*
2,4-Dinitrotoluene	85	76	49 - 102	11	30		
2,6-Dinitrotoluene	85	80	52 - 104	6	30		
2-Chloronaphthalene	91	82	49 - 93	10	30		
2-Chlorophenol	65	59	49 - 96	10	30		
2-Methylnaphthalene	83	75	52 - 100	10	30		
2-Methylphenol	65	57	47 - 99	12	30		
2-Nitroaniline	82	74	35 - 92	10	30		
2-Nitrophenol	77	69	51 - 98	11	30		
3,3'-Dichlorobenzidine	87	84	9 - 89	4	30		
3-Nitroaniline	70	71	19 - 90	1	30		
4,6-Dinitro-2-methylphenol	42	26	14 - 128	46	30		*
4-Bromophenyl phenyl ether	85	74	50 - 103	14	30		
4-Chloro-3-methylphenol	69	63	50 - 102	10	30		
4-Chloroaniline	49	51	10 - 86	5	30		
4-Chlorophenyl phenyl ether	82	74	49 - 95	10	30		
4-Methylphenol	66	60	43 - 100	9	30		
4-Nitroaniline	73	68	33 - 102	8	30		
4-Nitrophenol	69	63	34 - 112	8	30		
Acenaphthene	87	78	48 - 99	10	30		
Acenaphthylene	88	80	49 - 97	10	30		
Acetophenone	69	63	10 - 126	10	30		
Anthracene	82	72	51 - 97	13	30		
Atrazine	74	65	10 - 147	13	30		

Client: New York State D.E.C. Job Number: 460-75841-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-223788

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	460-75842-E-10-C MS	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-223788	Lab File ID:	x1129.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	05/13/2014 0907			Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 0845			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-75842-E-10-D MSD	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-223788	Lab File ID:	x1130.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	05/13/2014 0933			Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 0845			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzaldehyde	82	69	10 - 139	17	30		
Benzo[a]anthracene	85	77	51 - 97	10	30		
Benzo[a]pyrene	90	80	59 - 116	12	30		
Benzo[b]fluoranthene	87	77	55 - 115	13	30		
Benzo[g,h,i]perylene	101	87	46 - 120	15	30		
Benzo[k]fluoranthene	85	74	53 - 113	14	30		
Bis(2-chloroethoxy)methane	79	72	48 - 95	9	30		
Bis(2-chloroethyl)ether	74	67	45 - 92	10	30		
Bis(2-ethylhexyl) phthalate	94	85	47 - 102	10	30		
Butyl benzyl phthalate	83	74	47 - 107	11	30		
Caprolactam	66	58	10 - 120	13	30		
Carbazole	83	76	50 - 102	9	30		
Chrysene	81	75	50 - 94	7	30		
Dibenz(a,h)anthracene	93	84	48 - 115	11	30		
Dibenzofuran	83	77	50 - 96	8	30		
Diethyl phthalate	86	77	46 - 100	12	30		
Dimethyl phthalate	88	78	51 - 99	11	30		
Di-n-butyl phthalate	89	81	50 - 99	9	30		
Di-n-octyl phthalate	82	76	43 - 120	8	30		
Fluoranthene	84	76	45 - 101	10	30		
Fluorene	86	80	50 - 95	7	30		
Hexachlorobenzene	88	79	50 - 104	11	30		
Hexachlorobutadiene	91	80	49 - 97	12	30		
Hexachlorocyclopentadiene	65	55	43 - 115	16	30		
Hexachloroethane	78	71	47 - 88	9	30		
Indeno[1,2,3-cd]pyrene	92	83	47 - 124	10	30		
Isophorone	80	71	51 - 100	11	30		
Naphthalene	83	74	48 - 92	12	30		
Nitrobenzene	88	80	33 - 72	9	30	*	*
N-Nitrosodi-n-propylamine	74	68	49 - 99	9	30		
N-Nitrosodiphenylamine	94	84	51 - 103	11	30		
Pentachlorophenol	38	36	37 - 99	5	30		*

Client: New York State D.E.C. Job Number: 460-75841-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-223788

Method: 8270D
Preparation: 3541

MS Lab Sample ID:	460-75842-E-10-C MS	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-223788	Lab File ID:	x1129.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	05/13/2014 0907			Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 0845			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-75842-E-10-D MSD	Analysis Batch:	460-223977	Instrument ID:	CBNAMS5
Client Matrix:	Solid	Prep Batch:	460-223788	Lab File ID:	x1130.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	05/13/2014 0933			Final Weight/Volume:	1 mL
Prep Date:	05/12/2014 0845			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenanthrene	84	77	51 - 97	9	30		
Phenol	60	56	46 - 97	7	30		
Pyrene	70	64	39 - 119	8	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	66	56	19 - 114
2-Fluorobiphenyl	95	85	49 - 112
2-Fluorophenol (Surr)	63	58	39 - 103
Nitrobenzene-d5 (Surr)	85	77	40 - 106
Phenol-d5 (Surr)	60	55	44 - 104
Terphenyl-d14 (Surr)	72	66	41 - 145

Client: New York State D.E.C. Job Number: 460-75841-1

Method Blank - Batch: 460-223747 **Method: 8081B**
Preparation: 3546

Lab Sample ID:	MB 460-223747/1-A	Analysis Batch:	460-223777	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-223747	Lab File ID:	XR151398.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/12/2014 0948	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0614			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	6.7	U	1.3	6.7
4,4'-DDE	6.7	U	1.3	6.7
4,4'-DDT	6.7	U	1.6	6.7
Aldrin	6.7	U	1.4	6.7
alpha-BHC	6.7	U	1.5	6.7
beta-BHC	6.7	U	1.6	6.7
Chlordane (technical)	67	U	19	67
delta-BHC	6.7	U	1.2	6.7
Dieldrin	6.7	U	1.2	6.7
Endosulfan I	6.7	U	1.5	6.7
Endosulfan II	6.7	U	1.3	6.7
Endosulfan sulfate	6.7	U	1.3	6.7
Endrin	6.7	U	1.6	6.7
Endrin aldehyde	6.7	U	1.0	6.7
Endrin ketone	6.7	U	1.3	6.7
gamma-BHC (Lindane)	6.7	U	1.2	6.7
Heptachlor	6.7	U	1.6	6.7
Heptachlor epoxide	6.7	U	1.5	6.7
Methoxychlor	6.7	U	1.6	6.7
Toxaphene	67	U	18	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	108	76 - 149
Tetrachloro-m-xylene	108	72 - 136

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	76 - 149
Tetrachloro-m-xylene	107	72 - 136

Lab Control Sample - Batch: 460-223747 **Method: 8081B**
Preparation: 3546

Lab Sample ID:	LCS 460-223747/2-A	Analysis Batch:	460-223777	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-223747	Lab File ID:	XR151399.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/12/2014 1004	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0614			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	140	105	50 - 131	
4,4'-DDE	133	143	107	49 - 130	
4,4'-DDT	133	130	97	48 - 132	
Aldrin	133	123	93	53 - 126	
alpha-BHC	133	125	94	50 - 129	
beta-BHC	133	126	94	51 - 131	
delta-BHC	133	131	98	40 - 130	
Dieldrin	133	126	95	48 - 126	
Endosulfan I	133	125	94	53 - 127	
Endosulfan II	133	125	94	52 - 127	
Endosulfan sulfate	133	129	97	52 - 124	
Endrin	133	126	95	48 - 126	
Endrin aldehyde	133	124	93	57 - 124	
Endrin ketone	133	120	90	55 - 124	
gamma-BHC (Lindane)	133	129	97	52 - 129	
Heptachlor	133	125	93	52 - 128	
Heptachlor epoxide	133	122	92	53 - 122	
Methoxychlor	133	123	92	47 - 126	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	109	76 - 149
Tetrachloro-m-xylene	99	72 - 136

Lab Control Sample - Batch: 460-223747 **Method: 8081B**
Preparation: 3546

Lab Sample ID:	LCS 460-223747/2-A	Analysis Batch:	460-223777	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-223747	Lab File ID:	XR151399.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/12/2014 1004	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0614			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	133	136	102	50 - 131	
4,4'-DDE	133	130	97	49 - 130	
4,4'-DDT	133	126	94	48 - 132	
Aldrin	133	122	92	53 - 126	
alpha-BHC	133	123	92	50 - 129	
beta-BHC	133	125	94	51 - 131	

Client: New York State D.E.C. Job Number: 460-75841-1

Lab Control Sample - Batch: 460-223747

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 460-223747/2-A	Analysis Batch:	460-223777	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-223747	Lab File ID:	XR151399.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/12/2014 1004	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0614			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
delta-BHC	133	131	98	40 - 130	
Dieldrin	133	124	93	48 - 126	
Endosulfan I	133	122	91	53 - 127	
Endosulfan II	133	120	90	52 - 127	
Endosulfan sulfate	133	120	90	52 - 124	
Endrin	133	125	94	48 - 126	
Endrin aldehyde	133	123	92	57 - 124	
Endrin ketone	133	120	90	55 - 124	
gamma-BHC (Lindane)	133	127	95	52 - 129	
Heptachlor	133	121	91	52 - 128	
Heptachlor epoxide	133	118	89	53 - 122	
Methoxychlor	133	122	92	47 - 126	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	103	76 - 149
Tetrachloro-m-xylene	97	72 - 136

Client: New York State D.E.C. Job Number: 460-75841-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-223747

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-75444-C-20-M MS	Analysis Batch:	460-223777	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-223747	Lab File ID:	XR151400.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	05/12/2014 1019			Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0614			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-75444-C-20-N MSD	Analysis Batch:	460-223777	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-223747	Lab File ID:	XR151401.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	05/12/2014 1034			Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0614			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	120	128	69 - 150	7	30		
4,4'-DDE	132	142	70 - 147	7	30		
4,4'-DDT	110	116	63 - 146	5	30		
Aldrin	102	109	69 - 138	7	30		
alpha-BHC	105	112	68 - 133	7	30		
beta-BHC	102	108	67 - 137	6	30		
delta-BHC	111	119	65 - 141	7	30		
Dieldrin	101	107	63 - 129	7	30		
Endosulfan I	102	108	69 - 140	6	30		
Endosulfan II	102	109	66 - 136	7	30		
Endosulfan sulfate	102	112	65 - 137	10	30		
Endrin	107	112	67 - 142	5	30		
Endrin aldehyde	100	109	67 - 134	8	30		
Endrin ketone	99	107	68 - 146	7	30		
gamma-BHC (Lindane)	108	115	68 - 134	7	30		
Heptachlor	101	108	67 - 136	7	30		
Heptachlor epoxide	99	105	68 - 136	6	30		
Methoxychlor	101	107	52 - 150	5	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	111	116	76 - 149
Tetrachloro-m-xylene	108	115	72 - 136

Client: New York State D.E.C. Job Number: 460-75841-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-223747

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	460-75444-C-20-M MS	Analysis Batch:	460-223777	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-223747	Lab File ID:	XR151400.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	05/12/2014 1019			Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0614			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-75444-C-20-N MSD	Analysis Batch:	460-223777	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-223747	Lab File ID:	XR151401.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	05/12/2014 1034			Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0614			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	110	124	69 - 150	12	30		
4,4'-DDE	109	117	70 - 147	7	30		
4,4'-DDT	93	106	63 - 146	13	30		
Aldrin	100	105	69 - 138	5	30		
alpha-BHC	99	104	68 - 133	5	30		
beta-BHC	102	108	67 - 137	6	30		
delta-BHC	107	113	65 - 141	6	30		
Dieldrin	89	105	63 - 129	17	30		
Endosulfan I	96	105	69 - 140	9	30		
Endosulfan II	89	100	66 - 136	11	30		
Endosulfan sulfate	99	105	65 - 137	7	30		
Endrin	98	107	67 - 142	9	30		
Endrin aldehyde	92	103	67 - 134	11	30		
Endrin ketone	96	102	68 - 146	6	30		
gamma-BHC (Lindane)	103	109	68 - 134	6	30		
Heptachlor	98	102	67 - 136	5	30		
Heptachlor epoxide	98	105	68 - 136	7	30		
Methoxychlor	95	104	52 - 150	9	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	109	113	76 - 149
Tetrachloro-m-xylene	105	110	72 - 136

Client: New York State D.E.C. Job Number: 460-75841-1

Method Blank - Batch: 460-223758

Method: 8082A
Preparation: 3546

Lab Sample ID:	MB 460-223758/1-A	Analysis Batch:	460-223864	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-223758	Lab File ID:	T006604.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/12/2014 1300	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0648			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	67	U	15	67
Aroclor 1221	67	U	15	67
Aroclor 1232	67	U	15	67
Aroclor 1242	67	U	15	67
Aroclor 1248	67	U	15	67
Aroclor 1254	67	U	19	67
Aroclor 1260	67	U	19	67
Aroclor-1262	67	U	19	67
Aroclor 1268	67	U	19	67
Polychlorinated biphenyls, Total	67	U	19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	111	53 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	95	53 - 150

Client: New York State D.E.C. Job Number: 460-75841-1

Lab Control Sample - Batch: 460-223758 **Method: 8082A**
Preparation: 3546

Lab Sample ID:	LCS 460-223758/2-A	Analysis Batch:	460-223864	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-223758	Lab File ID:	T006605.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/12/2014 1319	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0648			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	353	106	64 - 145	
Aroclor 1260	333	371	111	59 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	110	53 - 150

Lab Control Sample - Batch: 460-223758 **Method: 8082A**
Preparation: 3546

Lab Sample ID:	LCS 460-223758/2-A	Analysis Batch:	460-223864	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-223758	Lab File ID:	T006605.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/12/2014 1319	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0648			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	340	102	64 - 145	
Aroclor 1260	333	325	98	59 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	98	53 - 150

Client: New York State D.E.C. Job Number: 460-75841-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-223758

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-75444-C-20-P MS	Analysis Batch:	460-223864	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-223758	Lab File ID:	T006608.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	05/12/2014 1416			Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0648			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-75444-C-20-Q MSD	Analysis Batch:	460-223864	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-223758	Lab File ID:	T006609.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/12/2014 1431			Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0648			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	105	110	64 - 145	4	30		
Aroclor 1260	112	118	59 - 150	5	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	115	119	53 - 150

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-223758

Method: 8082A
Preparation: 3546

MS Lab Sample ID:	460-75444-C-20-P MS	Analysis Batch:	460-223864	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-223758	Lab File ID:	T006608.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	05/12/2014 1416			Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0648			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-75444-C-20-Q MSD	Analysis Batch:	460-223864	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-223758	Lab File ID:	T006609.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	05/12/2014 1431			Final Weight/Volume:	10 mL
Prep Date:	05/12/2014 0648			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	99	105	64 - 145	7	30		
Aroclor 1260	102	107	59 - 150	5	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	101	104	53 - 150

Client: New York State D.E.C. Job Number: 460-75841-1

Method Blank - Batch: 460-223622

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 460-223622/1-A ^2	Analysis Batch:	460-223942	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-223622	Lab File ID:	223620.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	05/12/2014 1238	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/10/2014 1547				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	1.0	U	0.19	1.0
Aluminum	20.0	U	11.1	20.0
Arsenic	1.5	U	0.41	1.5
Barium	20.0	U	0.87	20.0
Beryllium	0.20	U	0.14	0.20
Calcium	500	U	38.3	500
Cadmium	0.40	U	0.14	0.40
Cobalt	5.0	U	0.45	5.0
Chromium	1.0	U	0.40	1.0
Copper	2.5	U	0.88	2.5
Iron	15.0	U	12.5	15.0
Potassium	500	U	13.8	500
Magnesium	500	U	33.2	500
Manganese	1.5	U	0.43	1.5
Sodium	500	U	37.8	500
Nickel	4.0	U	0.90	4.0
Lead	1.0	U	0.41	1.0
Antimony	2.0	U	0.76	2.0
Selenium	2.0	U	0.57	2.0
Thallium	2.0	U	0.98	2.0
Vanadium	5.0	U	0.41	5.0
Zinc	3.0	U	0.86	3.0

Client: New York State D.E.C. Job Number: 460-75841-1

LCS-Certified Reference Material - Batch: 460-223622

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCSSRM 460-223622/2-A	Analysis Batch:	460-223942	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-223622	Lab File ID:	223620.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	05/12/2014 1242	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/10/2014 1547				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	42.3	38.00	89.8	66.2 - 134.0	
Aluminum	9310	8322	89.4	43.3 - 156.8	
Arsenic	168	163.8	97.5	70.8 - 129.8	
Barium	213	222.8	104.6	73.2 - 126.8	
Beryllium	110	106.5	96.9	75.1 - 125.5	
Calcium	6870	6722	97.8	74.4 - 125.8	
Cadmium	103	102.4	99.5	73.0 - 126.2	
Cobalt	131	136.1	103.9	74.4 - 125.2	
Chromium	119	118.0	99.1	69.7 - 129.4	
Copper	118	112.6	95.4	74.6 - 124.6	
Iron	13000	13330	102.5	32.2 - 167.7	
Potassium	3130	2758	88.1	62.9 - 136.7	
Magnesium	2780	2636	94.8	65.1 - 135.3	
Manganese	338	351.0	103.8	75.4 - 125.1	
Sodium	350	293.6	83.9	42.9 - 156.9	J
Nickel	70.0	73.22	104.6	70.9 - 129.0	
Lead	76.9	79.24	103.0	68.7 - 131.3	
Antimony	120	65.50	54.6	20.8 - 252.5	
Selenium	126	122.1	96.9	66.7 - 134.1	
Thallium	208	228.8	110.0	69.2 - 130.8	
Vanadium	87.1	84.78	97.3	63.1 - 136.6	
Zinc	276	286.6	103.8	71.4 - 128.6	

Client: New York State D.E.C. Job Number: 460-75841-1

Matrix Spike - Batch: 460-223622

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-75841-1	Analysis Batch:	460-223942	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-223622	Lab File ID:	223620.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.10 g
Analysis Date:	05/12/2014 1256	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/10/2014 1547				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	1.9	U	4.75	4.08	86	75 - 125	
Aluminum	823		190	1019	104	75 - 125	4
Arsenic	0.92	J	190	152.9	80	75 - 125	
Barium	3.8	J	190	174.8	90	75 - 125	
Beryllium	0.38	U	4.75	4.04	85	75 - 125	
Calcium	414	J	1900	1670	66	75 - 125	N
Cadmium	0.76	U	4.75	4.13	87	75 - 125	
Cobalt	9.5	U	47.5	42.71	90	75 - 125	
Chromium	3.8		19.0	17.07	70	75 - 125	N
Copper	4.8	U	23.8	20.33	86	75 - 125	
Iron	3130		95.1	1951	-1242	75 - 125	4
Potassium	91.6	J	1900	1540	76	75 - 125	
Magnesium	181	J	1900	1671	78	75 - 125	
Manganese	35.7		47.5	67.31	67	75 - 125	N
Sodium	951	U	1900	1550	82	75 - 125	
Nickel	7.6	U	47.5	44.38	93	75 - 125	
Lead	0.97	J	47.5	44.09	91	75 - 125	
Antimony	3.8	U	47.5	36.68	77	75 - 125	
Selenium	3.8	U	190	152.4	80	75 - 125	
Thallium	3.8	U	190	176.5	93	75 - 125	
Vanadium	3.6	J	47.5	41.60	80	75 - 125	
Zinc	4.1	J	47.5	45.39	87	75 - 125	

Client: New York State D.E.C. Job Number: 460-75841-1

Duplicate - Batch: 460-223622

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-75841-1	Analysis Batch:	460-223942	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-223622	Lab File ID:	223620.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.15 g
Analysis Date:	05/12/2014 1245	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/10/2014 1547				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	1.9	U	1.8	NC	20	U
Aluminum	823		807.7	2	20	
Arsenic	0.92	J	0.895	3	20	J
Barium	3.8	J	3.66	3	20	J
Beryllium	0.38	U	0.36	NC	20	U
Calcium	414	J	413.8	0.09	20	J
Cadmium	0.76	U	0.73	NC	20	U
Cobalt	9.5	U	9.1	NC	20	U
Chromium	3.8		3.83	1	20	
Copper	4.8	U	4.5	NC	20	U
Iron	3130		3079	2	20	
Potassium	91.6	J	90.52	1	20	J
Magnesium	181	J	178.5	1	20	J
Manganese	35.7		35.23	1	20	
Sodium	951	U	909	NC	20	U
Nickel	7.6	U	7.3	NC	20	U
Lead	0.97	J	0.982	0.9	20	J
Antimony	3.8	U	3.6	NC	20	U
Selenium	3.8	U	3.6	NC	20	U
Thallium	3.8	U	3.6	NC	20	U
Vanadium	3.6	J	3.58	0.2	20	J
Zinc	4.1	J	4.04	2	20	J

Client: New York State D.E.C. Job Number: 460-75841-1

Method Blank - Batch: 460-223739

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-223739/10-A	Analysis Batch:	460-223808	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-223739	Lab File ID:	223739HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	05/12/2014 0842	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/12/2014 0530				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.017	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-223739

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-223739/11-A	Analysis Batch:	460-223808	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-223739	Lab File ID:	223739HG1.PRN
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	05/12/2014 0844	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/12/2014 0530				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.1	24.42	97.3	51.4 - 148.2	

Matrix Spike - Batch: 460-223739

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-75854-A-1-C MS	Analysis Batch:	460-223808	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-223739	Lab File ID:	223739HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	05/12/2014 0849	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/12/2014 0530				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.017	U	0.0820	0.0828	101	75 - 125	

Client: New York State D.E.C. Job Number: 460-75841-1

Duplicate - Batch: 460-223739

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-75854-A-1-B DU	Analysis Batch:	460-223808	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-223739	Lab File ID:	223739HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	05/12/2014 0847	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	05/12/2014 0530				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.017	U	0.017	NC	20	U

Client: New York State D.E.C. Job Number: 460-75841-1

Duplicate - Batch: 460-223613

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-75841-2	Analysis Batch:	460-223613	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/10/2014 1551	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	13.1	12.7	4	20	
Percent Solids	86.9	87.3	0.5	20	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CU

460-75841 Chain of Custody

Page 1 of 1

Name (for report and invoice)	Samplers Name (Printed)	Site/Project Identification
J. Lawrence	EAR / ES	DEC - Lindenhurst 269
Company: EAR	P. O. #	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program:
Address: 225 Atlantic Ave	Analysis Turnaround Time: Standard ☐	LAB USE ONLY: Project No:
City: La Grange State: NY	Rush Chrages Authorized For: 2 Week ☐ 1 Week ☐	Job No: 75841
Phone: 631-447-6400 Fax: 631-447-6407	Other ☒ 72 Hr.	

Sample Identification	Date	Time	Matrix	No. of Cont.	TCL VOCs	Pesticides, TAL Metals, TCL SVOCs, PCBs									Sample Numbers
Fill Sand	5/8/14	1420	Soil	2	X	X									1
Fill - Item #4	5/8/14	1410	Soil	2	X	X									2

3-Day RUSH

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH 6 = Other _____, 7 = Other _____

Soil: Water:

Special Instructions Category A Deliverables

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	EAR	5/8/14 1515	1) Fedex Priority	EAR
2) EAR FRIDGE	EAR	5-09-14 0948	2) William A Violetta	EAR
3) William A Violetta	EAR	5-09-14 0948	3)	TAML
4)	T.A. NYC 5/9/14	1640	4)	TA 60 5/9/14 1640

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

1.7 / 1.5 ER # 5 now

05/15/2014

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TestAmerica Edison Receipt Temperature and pH Log

Job Number: 75841

Number of Coolers: 1 IR Gun # 6

Temp. Cooler #1 (Deg C) (Raw/Corrected) 1.4/1.5 Temp. Cooler #4 (Deg C) (Raw/Corrected) _____ Temp. Cooler #7 (Deg C) (Raw/Corrected) _____

Temp. Cooler #2 (Deg C) (Raw/Corrected) _____ Temp. Cooler #5 (Deg C) (Raw/Corrected) _____ Temp. Cooler #8 (Deg C) (Raw/Corrected) _____

Temp. Cooler #3 (Deg C) (Raw/Corrected) _____ Temp. Cooler #6 (Deg C) (Raw/Corrected) _____ Temp. Cooler #9 (Deg C) (Raw/Corrected) _____

Sample No.	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	*Metals (pH<2)	Pest (pH 5-9)	PHC (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative: _____ Expiration Date: _____

Project Manager and the Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 3, 10/8/12

Initials: _____ Date: 5/9/14

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-75841-1

Login Number: 75841

List Source: TestAmerica Edison

List Number: 1

Creator: Hall, Alonzo

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5° C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

APPENDIX B: PHOTOGRAPHS

Photo 1: Beginning CP-5 Excavation

Photo 2: Excavating Around CP-5

Photo 3: CP-5 Lid Exposed

Photo 4: Collapsed CP-5

Photo 5: Excavation w/ CP-5 Removed

Photo 6: Lateral Line Capped by EAR

Photo 7: Backfilled Excavation

Photo 8: 11/18/14 Completed Backfill

Photo 9: 1/5/15 Grading

APPENDIX C: LAB ANALYTICAL REPORT (WASTE CHARACTERIZATION)

TestAmerica
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ANALYTICAL REPORT

Job Number: 460-86402-2

Job Description: DEC-Copiague1305; Site 152201

For:
New York State D.E.C.
625 Broadway
12th Floor
Albany, NY 12233-7017

Attention: Robert Corcoran

Approved for release.
Shalini Isaac
Project Management Assistant II
11/24/2014 10:00 AM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
11/24/2014

cc: Mr. John Hofmann

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CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC-Copiague1305; Site 152201

Report Number: 460-86402-2

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 11/17/2014 6:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5º C.

Except:

Received limited sample volume for MSD Terracores, Sample #3

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Total cyanide was not listed on the COC but is required by the client.

Due to the different turnaround time and deliverable requirements, the following sample was placed on a separate job number than the rest of the samples on the COC, to be reported separately: Soil Waste (460-86402-4).

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The COC did not list the following tests that are required for sample "SOIL WASTE": Total cyanide, Reactive cyanide, Reactive sulfide, Ignitability, pH. The tests were added per client request.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS

Sample Soil Waste (460-86402-4) was analyzed for Volatile organics in accordance with EPA SW-846 Methods 8260C. The samples were prepared on 11/18/2014 and analyzed on 11/20/2014.

The continuing calibration verification (CCV) associated with batch 264083 recovered outside control limits for 1,4-Dioxane, 1,2,4-Trichlorobenzene, and 1,2-Dibromo-3-chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 264083 recovered outside control limits for the following analytes: 1,4-Dioxane and 1,2,4-Trichlorobenzene. These analytes were not detected in the associated samples; therefore, the data have been reported.

1,2,4-Trichlorobenzene failed the recovery criteria low for LCS 460-264083/3. 1,4-Dioxane failed the recovery criteria high. 1,4-Dioxane failed the recovery criteria high for LCSD 460-264083/4. 1,2-Dichloroethane-d4 (Surr), 4-Bromofluorobenzene, Dibromofluoromethane (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria low for Soil Waste (460-86402-4).

Refer to the QC report for details.

The following sample was diluted due to the abundance of target analytes: Soil Waste (460-86402-4). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the Volatile organics analysis.

All other quality control parameters were within the acceptance limits.

METALS
Sample Soil Waste (460-86402-4) was analyzed for Metals in accordance with EPA SW-846 6010C. The samples were prepared and analyzed on 11/20/2014.

Antimony and Iron failed the recovery criteria low for the MS of sample 460-86282-2 in batch 460-264376. Aluminum failed the recovery criteria high.

Refer to the QC report for details.

Sample Soil Waste (460-86402-4)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY
Sample Soil Waste (460-86402-4) was analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 11/20/2014.

Mercury failed the recovery criteria high for the MS of sample 460-86036-5 in batch 460-264139.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Sample Soil Waste (460-86402-4)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Hg analysis.

All other quality control parameters were within the acceptance limits.

IGNITABILITY
Sample Soil Waste (460-86402-4) was analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 11/20/2014.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Sample Soil Waste (460-86402-4) was analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 11/20/2014.

No difficulties were encountered during the cyanide analysis.

All quality control parameters were within the acceptance limits.

REACTIVE CYANIDE
Sample Soil Waste (460-86402-4) was analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 11/20/2014.

No difficulties were encountered during the reactive cyanide analysis.

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE
Sample Soil Waste (460-86402-4) was analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 11/20/2014.

No difficulties were encountered during the reactive sulfide analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)

Sample Soil Waste (460-86402-4) was analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 11/20/2014.

No difficulties were encountered during the corrosivity (pH) analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Sample Soil Waste (460-86402-4) was analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D). The samples were analyzed on 11/19/2014.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 460-86402-2

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-86402-4	**SOIL WASTE**					
1,1,1-Trichloroethane		3500000		12000	ug/Kg	8260C
1,1,2-Trichloro-1,2,2-trifluoroethane		680000		12000	ug/Kg	8260C
1,1-Dichloroethane		45000		12000	ug/Kg	8260C
1,1-Dichloroethene		6800	J	12000	ug/Kg	8260C
1,4-Dichlorobenzene		26000		12000	ug/Kg	8260C
cis-1,2-Dichloroethene		4300	J	12000	ug/Kg	8260C
Ethylbenzene		59000		12000	ug/Kg	8260C
m-Xylene & p-Xylene		230000		12000	ug/Kg	8260C
o-Xylene		20000		12000	ug/Kg	8260C
Tetrachloroethene		4500	J	12000	ug/Kg	8260C
Toluene		15000		12000	ug/Kg	8260C
Trichloroethene		750000		12000	ug/Kg	8260C
Silver		7.4		2.3	mg/Kg	6010C
Aluminum		2850		45.0	mg/Kg	6010C
Arsenic		1.1	J	3.4	mg/Kg	6010C
Barium		46.3		45.0	mg/Kg	6010C
Calcium		6690		1130	mg/Kg	6010C
Cadmium		3.5		0.90	mg/Kg	6010C
Cobalt		1.1	J	11.3	mg/Kg	6010C
Chromium		51.5		2.3	mg/Kg	6010C
Copper		306		5.6	mg/Kg	6010C
Iron		4690		33.8	mg/Kg	6010C
Potassium		104	J	1130	mg/Kg	6010C
Magnesium		548	J	1130	mg/Kg	6010C
Manganese		24.1		3.4	mg/Kg	6010C
Nickel		6.7	J	9.0	mg/Kg	6010C
Lead		124		2.3	mg/Kg	6010C
Vanadium		9.2	J	11.3	mg/Kg	6010C
Zinc		129		6.8	mg/Kg	6010C
Mercury		1.2		0.041	mg/Kg	7471B
Cyanide, Total		0.073	J	0.12	mg/Kg	9012B
pH		6.91	HF		SU	9045D
Corrosivity		6.91	HF		SU	9045D
Percent Moisture		18.5		1.0	%	Moisture
Percent Solids		81.5		1.0	%	Moisture

METHOD SUMMARY

Client: New York State D.E.C. Job Number: 460-86402-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Closed System Purge and Trap	TAL EDI		SW846 5035
Metals (ICP)	TAL EDI	SW846 6010C	
Preparation, Metals	TAL EDI		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL EDI	SW846 7471B	
Preparation, Mercury	TAL EDI		SW846 7471B
Ignitability, Solids	TAL EDI	SW846 1030	
Cyanide, Total andor Amenable	TAL EDI	SW846 9012B	
Cyanide, Total and/or Amenable, Distillation	TAL EDI		SW846 9012B
Cyanide, Reactive	TAL EDI	SW846 9014	
Cyanide, Reactive	TAL EDI		SW846 7.3.3
Sulfide, Reactive	TAL EDI	SW846 9034	
Sulfide, Reactive	TAL EDI		SW846 7.3.4
pH	TAL EDI	SW846 9045D	
Percent Moisture	TAL EDI	EPA Moisture	

Lab References:

TAL EDI = TestAmerica Edison

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: New York State D.E.C. Job Number: 460-86402-2

Method	Analyst	Analyst ID
SW846 8260C	Desai, Saurab	SZD
SW846 6010C	Huang, Yixin	YZH
SW846 7471B	Staib, Thomas	TJS
SW846 1030	Kowalski, Joseph A	JAK
SW846 9012B	Vu, Huan	HTV
SW846 9014	Kowalski, Joseph A	JAK
SW846 9034	Kowalski, Joseph A	JAK
SW846 9045D	Hu, Youhao	YAH
EPA Moisture	Armbruster, Chris	CJA

SAMPLE SUMMARY

Client: New York State D.E.C. Job Number: 460-86402-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-86402-4	Soil Waste	Solid	11/17/2014 1245	11/17/2014 1850

SAMPLE RESULTS

Client: New York State D.E.C. Job Number: 460-86402-2

Client Sample ID: **Soil Waste**

Lab Sample ID: 460-86402-4 Date Sampled: 11/17/2014 1245
Client Matrix: Solid % Moisture: 18.5 Date Received: 11/17/2014 1850

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-264083	Instrument ID:	CVOAMS2
Prep Method:	5035	Prep Batch:	460-263583	Lab File ID:	B76254.D
Dilution:	5000			Initial Weight/Volume:	5.05 g
Analysis Date:	11/20/2014 1742			Final Weight/Volume:	10 mL
Prep Date:	11/18/2014 1521				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		3500000		760	12000
1,1,2,2-Tetrachloroethane		12000	U	1900	12000
1,1,2-Trichloro-1,2,2-trifluoroethane		680000		1000	12000
1,1,2-Trichloroethane		12000	U	2300	12000
1,1-Dichloroethane		45000		1600	12000
1,1-Dichloroethene		6800	J	1100	12000
1,2,3-Trichlorobenzene		12000	U	6200	12000
1,2,4-Trichlorobenzene		12000	U *	4200	12000
1,2-Dibromo-3-Chloropropane		12000	U	4900	12000
1,2-Dichlorobenzene		12000	U	2500	12000
1,2-Dichloroethane		12000	U	2300	12000
1,2-Dichloropropane		12000	U	1000	12000
1,3-Dichlorobenzene		12000	U	1600	12000
1,4-Dichlorobenzene		26000		2800	12000
1,4-Dioxane		300000	U *	440000	300000
2-Butanone (MEK)		61000	U	28000	61000
2-Hexanone		61000	U	6100	61000
4-Methyl-2-pentanone (MIBK)		61000	U	12000	61000
Acetone		61000	U	33000	61000
Benzene		12000	U	1000	12000
Bromoform		12000	U	2300	12000
Bromomethane		12000	U	2200	12000
Carbon disulfide		12000	U	1500	12000
Carbon tetrachloride		12000	U	690	12000
Chlorobenzene		12000	U	1300	12000
Chlorobromomethane		12000	U	3300	12000
Chlorodibromomethane		12000	U	2400	12000
Chloroethane		12000	U	2100	12000
Chloroform		12000	U	960	12000
Chloromethane		12000	U	1200	12000
cis-1,2-Dichloroethene		4300	J	2200	12000
cis-1,3-Dichloropropene		12000	U	2200	12000
Cyclohexane		12000	U	1900	12000
Dichlorobromomethane		12000	U	1500	12000
Dichlorodifluoromethane		12000	U	2600	12000
Ethylbenzene		59000		1200	12000
Ethylene Dibromide		12000	U	3300	12000
Isopropylbenzene		12000	U	930	12000
Methyl acetate		61000	U	4100	61000
Methyl tert-butyl ether		12000	U	1700	12000
Methylcyclohexane		12000	U	1600	12000
Methylene Chloride		12000	U	2200	12000
m-Xylene & p-Xylene		230000		3000	12000
o-Xylene		20000		1600	12000
Styrene		12000	U	1400	12000
Tetrachloroethene		4500	J	1200	12000

Client: New York State D.E.C. Job Number: 460-86402-2

Client Sample ID: **Soil Waste**

Lab Sample ID: 460-86402-4 Date Sampled: 11/17/2014 1245
Client Matrix: Solid % Moisture: 18.5 Date Received: 11/17/2014 1850

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-264083	Instrument ID:	CVOAMS2
Prep Method:	5035	Prep Batch:	460-263583	Lab File ID:	B76254.D
Dilution:	5000			Initial Weight/Volume:	5.05 g
Analysis Date:	11/20/2014 1742			Final Weight/Volume:	10 mL
Prep Date:	11/18/2014 1521				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Toluene		15000		1800	12000
trans-1,2-Dichloroethene		12000	U	1600	12000
trans-1,3-Dichloropropene		12000	U	2900	12000
Trichloroethene		750000		1100	12000
Trichlorofluoromethane		12000	U	1800	12000
Vinyl chloride		12000	U	1800	12000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	0	D	75 - 135
4-Bromofluorobenzene	0	D	72 - 133
Dibromofluoromethane (Surr)	0	D	70 - 130
Toluene-d8 (Surr)	0	D	59 - 150

Client: New York State D.E.C. Job Number: 460-86402-2

Client Sample ID: **Soil Waste**

Lab Sample ID: 460-86402-4 Date Sampled: 11/17/2014 1245
Client Matrix: Solid % Moisture: 18.5 Date Received: 11/17/2014 1850

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-264083	Instrument ID:	CVOAMS2
Prep Method:	5035	Prep Batch:	460-263583	Lab File ID:	B76254.D
Dilution:	5000			Initial Weight/Volume:	5.05 g
Analysis Date:	11/20/2014 1742			Final Weight/Volume:	10 mL
Prep Date:	11/18/2014 1521				

Tentatively Identified Compounds **Number TIC's Found: 2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
1120-21-4	Undecane	10.99	65000	J N
112-40-3	Dodecane	11.82	68000	J N

Client: New York State D.E.C. Job Number: 460-86402-2

Client Sample ID: **Soil Waste**

Lab Sample ID: 460-86402-4 Date Sampled: 11/17/2014 1245
Client Matrix: Solid % Moisture: 18.5 Date Received: 11/17/2014 1850

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	460-264376	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-264050	Lab File ID:	264050.asc
Dilution:	4.0			Initial Weight/Volume:	1.09 g
Analysis Date:	11/20/2014 1540			Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0708				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		7.4		0.44	2.3
Aluminum		2850		24.9	45.0
Arsenic		1.1	J	0.92	3.4
Barium		46.3		1.9	45.0
Beryllium		0.45	U	0.31	0.45
Calcium		6690		86.1	1130
Cadmium		3.5		0.32	0.90
Cobalt		1.1	J	1.0	11.3
Chromium		51.5		0.90	2.3
Copper		306		2.0	5.6
Iron		4690		28.0	33.8
Potassium		104	J	31.1	1130
Magnesium		548	J	74.8	1130
Manganese		24.1		0.97	3.4
Sodium		1130	U	85.1	1130
Nickel		6.7	J	2.0	9.0
Lead		124		0.92	2.3
Antimony		4.5	U	1.7	4.5
Selenium		4.5	U	1.3	4.5
Thallium		4.5	U	2.2	4.5
Vanadium		9.2	J	0.93	11.3
Zinc		129		1.9	6.8

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	460-264139	Instrument ID:	LEEMAN5
Prep Method:	7471B	Prep Batch:	460-264034	Lab File ID:	264034HG1.PRN
Dilution:	2.0			Initial Weight/Volume:	0.61 g
Analysis Date:	11/20/2014 1027			Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0538				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		1.2		0.029	0.041

General Chemistry

Client Sample ID: **Soil Waste**

Lab Sample ID: 460-86402-4 Date Sampled: 11/17/2014 1245
Client Matrix: Solid % Moisture: 18.5 Date Received: 11/17/2014 1850

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.073	J	mg/Kg	0.067	0.12	1.0	9012B
Analysis Batch: 460-264213	Analysis Date: 11/20/2014 1533						DryWt Corrected: Y
Prep Batch: 460-264163	Prep Date: 11/20/2014 0230						

Analyte	Result	Qual	Units			Dil	Method
pH	6.91	HF	SU			1.0	9045D
Analysis Batch: 460-264203	Analysis Date: 11/20/2014 1521						DryWt Corrected: N
Corrosivity	6.91	HF	SU			1.0	9045D
Analysis Batch: 460-264203	Analysis Date: 11/20/2014 1521						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-264048	Analysis Date: 11/20/2014 0600						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-264128	Analysis Date: 11/20/2014 1000						DryWt Corrected: N
Prep Batch: 460-264122	Prep Date: 11/20/2014 0900						
Sulfide, Reactive	20.0	U	mg/Kg	20.0	20.0	1.0	9034
Analysis Batch: 460-264125	Analysis Date: 11/20/2014 1000						DryWt Corrected: N
Prep Batch: 460-264121	Prep Date: 11/20/2014 0900						
Percent Moisture	18.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-263804	Analysis Date: 11/19/2014 1058						DryWt Corrected: N
Percent Solids	81.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-263804	Analysis Date: 11/19/2014 1058						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: New York State D.E.C. Job Number: 460-86402-2

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
	D	The reported value is from a dilution.
	N	This flag indicates the presumptive evidence of a compound.
Metals		
	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL
	N	Spiked sample recovery is not within control limits.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

QUALITY CONTROL RESULTS

Client: New York State D.E.C. Job Number: 460-86402-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-263583					
460-86402-4	Soil Waste	T	Solid	5035	
Analysis Batch:460-264083					
LCS 460-264083/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-264083/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-264083/6	Method Blank	T	Solid	8260C	
460-86402-4	Soil Waste	T	Solid	8260C	460-263583

Report Basis
T = Total

Metals					
Prep Batch: 460-264034					
LCSSRM 460-264034/11-A ^20	LCS-Certified Reference Material	T	Solid	7471B	
MB 460-264034/10-A	Method Blank	T	Solid	7471B	
460-86036-C-5-K DU	Duplicate	T	Solid	7471B	
460-86036-C-5-L MS	Matrix Spike	T	Solid	7471B	
460-86402-4	Soil Waste	T	Solid	7471B	
Prep Batch: 460-264050					
LCSSRM 460-264050/2-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-264050/1-A ^2	Method Blank	T	Solid	3050B	
460-86282-D-2-I DU ^4	Duplicate	T	Solid	3050B	
460-86282-D-2-J MS ^4	Matrix Spike	T	Solid	3050B	
460-86402-4	Soil Waste	T	Solid	3050B	
Analysis Batch:460-264139					
LCSSRM 460-264034/11-A ^20	LCS-Certified Reference Material	T	Solid	7471B	460-264034
MB 460-264034/10-A	Method Blank	T	Solid	7471B	460-264034
460-86036-C-5-K DU	Duplicate	T	Solid	7471B	460-264034
460-86036-C-5-L MS	Matrix Spike	T	Solid	7471B	460-264034
460-86402-4	Soil Waste	T	Solid	7471B	460-264034
Analysis Batch:460-264376					
LCSSRM 460-264050/2-A	LCS-Certified Reference Material	T	Solid	6010C	460-264050
MB 460-264050/1-A ^2	Method Blank	T	Solid	6010C	460-264050
460-86282-D-2-I DU ^4	Duplicate	T	Solid	6010C	460-264050
460-86282-D-2-J MS ^4	Matrix Spike	T	Solid	6010C	460-264050
460-86402-4	Soil Waste	T	Solid	6010C	460-264050

Report Basis
T = Total

Client: New York State D.E.C. Job Number: 460-86402-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-263804					
460-86180-B-2 DU	Duplicate	T	Solid	Moisture	
460-86402-4	Soil Waste	T	Solid	Moisture	
Analysis Batch:460-264048					
460-86402-4	Soil Waste	T	Solid	1030	
460-86402-4DU	Duplicate	T	Solid	1030	
Prep Batch: 460-264121					
LCSSRM 460-264121/2-A	LCS-Certified Reference Material	T	Solid	7.3.4	
MB 460-264121/1-A	Method Blank	T	Solid	7.3.4	
460-86310-C-1-B MS	Matrix Spike	T	Solid	7.3.4	
460-86310-C-1-C MSD	Matrix Spike Duplicate	T	Solid	7.3.4	
460-86402-4	Soil Waste	T	Solid	7.3.4	
Prep Batch: 460-264122					
LCS 460-264122/2-A	Lab Control Sample	T	Solid	7.3.3	
MB 460-264122/1-A	Method Blank	T	Solid	7.3.3	
460-86310-C-1-E DU	Duplicate	T	Solid	7.3.3	
460-86402-4	Soil Waste	T	Solid	7.3.3	
Analysis Batch:460-264125					
LCSSRM 460-264121/2-A	LCS-Certified Reference Material	T	Solid	9034	460-264121
MB 460-264121/1-A	Method Blank	T	Solid	9034	460-264121
460-86310-C-1-B MS	Matrix Spike	T	Solid	9034	460-264121
460-86310-C-1-C MSD	Matrix Spike Duplicate	T	Solid	9034	460-264121
460-86402-4	Soil Waste	T	Solid	9034	460-264121
Analysis Batch:460-264128					
LCS 460-264122/2-A	Lab Control Sample	T	Solid	9014	460-264122
MB 460-264122/1-A	Method Blank	T	Solid	9014	460-264122
460-86310-C-1-E DU	Duplicate	T	Solid	9014	460-264122
460-86402-4	Soil Waste	T	Solid	9014	460-264122
Prep Batch: 460-264163					
HLCS 460-264163/34-A	High Level Control Sample	T	Solid	9012B	
LLCS 460-264163/33-A	Low Level Control Sample	T	Solid	9012B	
MB 460-264163/1-A	Method Blank	T	Solid	9012B	
MB 460-264163/32-A	Method Blank	T	Solid	9012B	
460-85857-D-15-C MS	Matrix Spike	T	Solid	9012B	
460-85857-D-15-D MSD	Matrix Spike Duplicate	T	Solid	9012B	
460-86402-4	Soil Waste	T	Solid	9012B	

Client: New York State D.E.C. Job Number: 460-86402-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-264203					
LCSSRM 460-264203/3	LCS-Certified Reference Material	T	Solid	9045D	
MB 460-264203/2	Method Blank	T	Solid	9045D	
460-86314-C-2 DU	Duplicate	T	Solid	9045D	
460-86402-4	Soil Waste	T	Solid	9045D	
Analysis Batch:460-264213					
HLCS 460-264163/34-A	High Level Control Sample	T	Solid	9012B	460-264163
LLCS 460-264163/33-A	Low Level Control Sample	T	Solid	9012B	460-264163
MB 460-264163/1-A	Method Blank	T	Solid	9012B	460-264163
MB 460-264163/32-A	Method Blank	T	Solid	9012B	460-264163
460-85857-D-15-C MS	Matrix Spike	T	Solid	9012B	460-264163
460-85857-D-15-D MSD	Matrix Spike Duplicate	T	Solid	9012B	460-264163
460-86402-4	Soil Waste	T	Solid	9012B	460-264163

Report Basis
T = Total

Client: New York State D.E.C. Job Number: 460-86402-2

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-86402-4	Soil Waste	0D	0D	0D	0D
MB 460-264083/6		91	97	94	98
LCS 460-264083/3		92	94	100	97
LCSD 460-264083/4		92	94	98	96

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	75-135
BFB = 4-Bromofluorobenzene	72-133
DBFM = Dibromofluoromethane (Surr)	70-130
TOL = Toluene-d8 (Surr)	59-150

Client: New York State D.E.C. Job Number: 460-86402-2

Method Blank - Batch: 460-264083 **Method: 8260C**
Preparation: N/A

Lab Sample ID:	MB 460-264083/6	Analysis Batch:	460-264083	Instrument ID:	CVOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B76237.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/20/2014 1045	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	50	U	3.1	50
1,1,2,2-Tetrachloroethane	50	U	7.9	50
1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	4.1	50
1,1,2-Trichloroethane	50	U	9.4	50
1,1-Dichloroethane	50	U	6.5	50
1,1-Dichloroethene	50	U	4.4	50
1,2,3-Trichlorobenzene	50	U	26	50
1,2,4-Trichlorobenzene	50	U	17	50
1,2-Dibromo-3-Chloropropane	50	U	20	50
1,2-Dichlorobenzene	50	U	10	50
1,2-Dichloroethane	50	U	9.5	50
1,2-Dichloropropane	50	U	4.3	50
1,3-Dichlorobenzene	50	U	6.8	50
1,4-Dichlorobenzene	50	U	12	50
1,4-Dioxane	1300	U	1800	1300
2-Butanone (MEK)	250	U	120	250
2-Hexanone	250	U	25	250
4-Methyl-2-pentanone (MIBK)	250	U	49	250
Acetone	250	U	130	250
Benzene	50	U	4.1	50
Bromoform	50	U	9.6	50
Bromomethane	50	U	9.1	50
Carbon disulfide	50	U	6.3	50
Carbon tetrachloride	50	U	2.9	50
Chlorobenzene	50	U	5.5	50
Chlorobromomethane	50	U	14	50
Chlorodibromomethane	50	U	10	50
Chloroethane	50	U	8.5	50
Chloroform	50	U	3.9	50
Chloromethane	50	U	4.8	50
cis-1,2-Dichloroethene	50	U	8.9	50
cis-1,3-Dichloropropene	50	U	9.2	50
Cyclohexane	50	U	7.9	50
Dichlorobromomethane	50	U	6.3	50
Dichlorodifluoromethane	50	U	11	50
Ethylbenzene	50	U	4.8	50
Ethylene Dibromide	50	U	14	50
Isopropylbenzene	50	U	3.8	50
Methyl acetate	250	U	17	250
Methyl tert-butyl ether	50	U	6.9	50
Methylcyclohexane	50	U	6.8	50
Methylene Chloride	50	U	9.1	50
m-Xylene & p-Xylene	50	U	12	50
o-Xylene	50	U	6.5	50
Styrene	50	U	5.9	50

Client: New York State D.E.C. Job Number: 460-86402-2

Method Blank - Batch: 460-264083

Method: 8260C
Preparation: N/A

Lab Sample ID:	MB 460-264083/6	Analysis Batch:	460-264083	Instrument ID:	CVOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B76237.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/20/2014 1045	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	50	U	4.9	50
Toluene	50	U	7.5	50
trans-1,2-Dichloroethene	50	U	6.4	50
trans-1,3-Dichloropropene	50	U	12	50
Trichloroethene	50	U	4.6	50
Trichlorofluoromethane	50	U	7.3	50
Vinyl chloride	50	U	7.2	50

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	75 - 135
4-Bromofluorobenzene	97	72 - 133
Dibromofluoromethane (Surr)	94	70 - 130
Toluene-d8 (Surr)	98	59 - 150

Method Blank TICs- Batch: 460-264083

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
	Tentatively Identified Compound		None	

Client: New York State D.E.C. Job Number: 460-86402-2

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-264083

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-264083/3	Analysis Batch:	460-264083	Instrument ID:	CVOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B76234.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/20/2014 0933	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-264083/4	Analysis Batch:	460-264083	Instrument ID:	CVOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B76235.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/20/2014 0957	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	88	85	75 - 125	4	30		
1,1,2,2-Tetrachloroethane	86	86	69 - 128	1	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	87	83	51 - 145	5	30		
1,1,2-Trichloroethane	82	86	76 - 120	5	30		
1,1-Dichloroethane	91	85	78 - 125	8	30		
1,1-Dichloroethene	85	78	66 - 135	9	30		
1,2,3-Trichlorobenzene	83	86	60 - 144	3	30		
1,2,4-Trichlorobenzene	66	68	67 - 135	2	30	*	
1,2-Dibromo-3-Chloropropane	68	75	57 - 128	10	30		
1,2-Dichlorobenzene	83	83	80 - 120	0	30		
1,2-Dichloroethane	85	83	77 - 121	2	30		
1,2-Dichloropropane	87	88	75 - 126	0	30		
1,3-Dichlorobenzene	88	83	80 - 120	5	30		
1,4-Dichlorobenzene	89	84	80 - 120	5	30		
1,4-Dioxane	183	206	50 - 150	12	30	*	*
2-Butanone (MEK)	104	107	69 - 138	3	30		
2-Hexanone	89	97	54 - 145	9	30		
4-Methyl-2-pentanone (MIBK)	91	91	58 - 140	1	30		
Acetone	88	90	46 - 150	2	30		
Benzene	85	83	74 - 126	3	30		
Bromoform	80	83	49 - 131	4	30		
Bromomethane	93	90	10 - 150	3	30		
Carbon disulfide	81	75	60 - 132	8	30		
Carbon tetrachloride	87	80	63 - 131	9	30		
Chlorobenzene	89	87	80 - 120	2	30		
Chlorobromomethane	91	94	82 - 122	3	30		
Chlorodibromomethane	82	84	63 - 124	3	30		
Chloroethane	93	88	53 - 150	6	30		
Chloroform	88	86	80 - 120	3	30		
Chloromethane	94	86	50 - 144	10	30		
cis-1,2-Dichloroethene	94	86	81 - 122	9	30		
cis-1,3-Dichloropropene	85	86	76 - 124	1	30		
Cyclohexane	84	83	58 - 142	1	30		
Dichlorobromomethane	87	83	75 - 119	5	30		
Dichlorodifluoromethane	92	91	37 - 143	2	30		

Client: New York State D.E.C. Job Number: 460-86402-2

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-264083

Method: 8260C
Preparation: N/A

LCS Lab Sample ID:	LCS 460-264083/3	Analysis Batch:	460-264083	Instrument ID:	CVOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B76234.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/20/2014 0933	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-264083/4	Analysis Batch:	460-264083	Instrument ID:	CVOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B76235.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/20/2014 0957	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ethylbenzene	86	83	80 - 120	4	30		
Ethylene Dibromide	86	87	80 - 120	1	30		
Isopropylbenzene	83	84	78 - 129	1	30		
Methyl acetate	92	92	60 - 139	0	30		
Methyl tert-butyl ether	88	86	68 - 128	2	30		
Methylcyclohexane	78	74	54 - 150	6	30		
Methylene Chloride	88	84	72 - 126	5	30		
m-Xylene & p-Xylene	90	88	80 - 120	3	30		
o-Xylene	86	86	80 - 120	1	30		
Styrene	89	87	80 - 120	2	30		
Tetrachloroethene	83	83	78 - 125	0	30		
Toluene	80	82	79 - 121	2	30		
trans-1,2-Dichloroethene	89	80	76 - 125	11	30		
trans-1,3-Dichloropropene	83	85	70 - 125	3	30		
Trichloroethene	89	83	79 - 120	6	30		
Trichlorofluoromethane	97	95	52 - 146	2	30		
Vinyl chloride	89	84	59 - 140	7	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	92	75 - 135
4-Bromofluorobenzene	94	94	72 - 133
Dibromofluoromethane (Surr)	100	98	70 - 130
Toluene-d8 (Surr)	97	96	59 - 150

Client: New York State D.E.C. Job Number: 460-86402-2

Method Blank - Batch: 460-264050

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 460-264050/1-A ^2	Analysis Batch:	460-264376	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-264050	Lab File ID:	264050.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	11/20/2014 1344	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0708				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	1.0	U	0.19	1.0
Aluminum	20.0	U	11.1	20.0
Arsenic	1.5	U	0.41	1.5
Barium	20.0	U	0.87	20.0
Beryllium	0.20	U	0.14	0.20
Calcium	500	U	38.3	500
Cadmium	0.40	U	0.14	0.40
Cobalt	5.0	U	0.45	5.0
Chromium	1.0	U	0.40	1.0
Copper	2.5	U	0.88	2.5
Iron	15.0	U	12.5	15.0
Potassium	500	U	13.8	500
Magnesium	500	U	33.2	500
Manganese	1.5	U	0.43	1.5
Sodium	500	U	37.8	500
Nickel	4.0	U	0.90	4.0
Lead	1.0	U	0.41	1.0
Antimony	2.0	U	0.76	2.0
Selenium	2.0	U	0.57	2.0
Thallium	2.0	U	0.98	2.0
Vanadium	5.0	U	0.41	5.0
Zinc	3.0	U	0.86	3.0

Client: New York State D.E.C. Job Number: 460-86402-2

LCS-Certified Reference Material - Batch: 460-264050

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCSSRM 460-264050/2-A	Analysis Batch:	460-264376	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-264050	Lab File ID:	264050.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	11/20/2014 1728	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0708				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	40.2	33.36	83.0	74.9 - 125.4	
Aluminum	7460	5534	74.2	47.1 - 152.8	
Arsenic	139	116.8	84.0	78.4 - 121.6	
Barium	203	177.8	87.6	82.8 - 117.7	
Beryllium	96.1	82.22	85.6	82.8 - 117.6	
Calcium	6040	4892	81.0	80.6 - 119.4	
Cadmium	96.0	82.46	85.9	81.7 - 117.7	
Cobalt	148	133.3	90.0	83.1 - 116.9	
Chromium	136	126.3	92.9	78.7 - 120.6	
Copper	168	149.4	89.0	81.5 - 118.5	
Iron	14100	14560	103.3	43.0 - 156.7	
Potassium	2540	2020	79.5	68.9 - 131.1	
Magnesium	2800	2284	81.6	75.4 - 125.0	
Manganese	297	269.8	90.8	80.5 - 119.2	
Sodium	761	611.0	80.3	70.3 - 129.6	J
Nickel	123	111.2	90.4	82.1 - 118.7	
Lead	133	119.8	90.1	82.0 - 118.8	
Antimony	88.8	139.8	157.5	0.0 - 209.5	
Selenium	177	151.5	85.6	77.4 - 122.6	
Thallium	138	133.3	96.6	78.3 - 121.7	
Vanadium	107	99.80	93.3	76.6 - 123.4	
Zinc	189	169.1	89.4	81.5 - 118.5	

Client: New York State D.E.C. Job Number: 460-86402-2

Matrix Spike - Batch: 460-264050

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-86282-D-2-J MS ^4	Analysis Batch:	460-264376	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-264050	Lab File ID:	264050.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	11/20/2014 1402	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0708				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	2.1	U	4.92	4.52	92	75 - 125	
Aluminum	1270		197	3127	945	75 - 125	4
Arsenic	2.3	J	197	181.4	91	75 - 125	
Barium	6.6	J	197	210.5	104	75 - 125	
Beryllium	0.41	U	4.92	4.74	96	75 - 125	
Calcium	398	J	1970	2089	86	75 - 125	
Cadmium	0.83	U	4.92	4.69	95	75 - 125	
Cobalt	1.2	J	49.2	50.73	101	75 - 125	
Chromium	3.8		19.7	22.69	96	75 - 125	
Copper	12.3		24.6	34.58	91	75 - 125	
Iron	4400		98.5	4464	63	75 - 125	4
Potassium	115	J	1970	1818	86	75 - 125	
Magnesium	1030	U	1970	1881	96	75 - 125	
Manganese	20.2		49.2	65.83	93	75 - 125	
Sodium	1030	U	1970	1814	92	75 - 125	
Nickel	8.3	U	49.2	52.95	108	75 - 125	
Lead	12.1		49.2	60.38	98	75 - 125	
Antimony	4.1	U	49.2	35.90	73	75 - 125	N
Selenium	4.1	U	197	180.5	92	75 - 125	
Thallium	4.1	U	197	204.8	104	75 - 125	
Vanadium	7.5	J	49.2	53.41	93	75 - 125	
Zinc	6.1	J	49.2	53.96	97	75 - 125	

Client: New York State D.E.C. Job Number: 460-86402-2

Duplicate - Batch: 460-264050

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-86282-D-2-I DU ^4	Analysis Batch:	460-264376	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-264050	Lab File ID:	264050.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	11/20/2014 1351	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0708				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	2.1	U	2.0	NC	20	U
Aluminum	1270		1253	0.9	20	
Arsenic	2.3	J	2.31	0.8	20	J
Barium	6.6	J	6.40	3	20	J
Beryllium	0.41	U	0.40	NC	20	U
Calcium	398	J	387.6	3	20	J
Cadmium	0.83	U	0.80	NC	20	U
Cobalt	1.2	J	1.13	3	20	J
Chromium	3.8		3.84	0.06	20	
Copper	12.3		12.50	2	20	
Iron	4400		4296	2	20	
Potassium	115	J	112.4	2	20	J
Magnesium	1030	U	1000	NC	20	U
Manganese	20.2		19.81	2	20	
Sodium	1030	U	1000	NC	20	U
Nickel	8.3	U	8.0	NC	20	U
Lead	12.1		11.49	5	20	
Antimony	4.1	U	4.0	NC	20	U
Selenium	4.1	U	4.0	NC	20	U
Thallium	4.1	U	4.0	NC	20	U
Vanadium	7.5	J	7.44	0.9	20	J
Zinc	6.1	J	5.95	3	20	J

Client: New York State D.E.C. Job Number: 460-86402-2

Method Blank - Batch: 460-264034

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-264034/10-A	Analysis Batch:	460-264139	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-264034	Lab File ID:	264034HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/20/2014 0938	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0538				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.017	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-264034

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-264034/11-A	Analysis Batch:	460-264139	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-264034	Lab File ID:	264034HG1.PRN
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	11/20/2014 0940	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0538				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	12.9	12.63	97.9	72.9 - 127.1	

Matrix Spike - Batch: 460-264034

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-86036-C-5-L MS	Analysis Batch:	460-264139	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-264034	Lab File ID:	264034HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.62 g
Analysis Date:	11/20/2014 0947	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0538				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.072	0.0972	0.234	167	80 - 120	N

Client: New York State D.E.C. Job Number: 460-86402-2

Duplicate - Batch: 460-264034

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-86036-C-5-K DU	Analysis Batch:	460-264139	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-264034	Lab File ID:	264034HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.62 g
Analysis Date:	11/20/2014 0945	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0538				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.072	0.0714	0.7	20	

Client: New York State D.E.C. Job Number: 460-86402-2

Duplicate - Batch: 460-264048

Method: 1030
Preparation: N/A

Lab Sample ID:	460-86402-4	Analysis Batch:	460-264048	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/20/2014 0600	Units:	mm/sec	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Burn Rate	2.20	U	2.20	NC	10	U

Client: New York State D.E.C. Job Number: 460-86402-2

Method Blank - Batch: 460-264163 **Method: 9012B**
Preparation: 9012B

Lab Sample ID:	MB 460-264163/32-A	Analysis Batch:	460-264213	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-264163	Lab File ID:	OM_11-20-2014_02-57-18
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 mL
Analysis Date:	11/20/2014 1508	Units:	mg/Kg	Final Weight/Volume:	5.00 mL
Prep Date:	11/20/2014 0230				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.10	U	0.055	0.10

Method Blank - Batch: 460-264163 **Method: 9012B**
Preparation: 9012B

Lab Sample ID:	MB 460-264163/1-A	Analysis Batch:	460-264213	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-264163	Lab File ID:	OM_11-20-2014_02-57-18
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	11/20/2014 1534	Units:	mg/Kg	Final Weight/Volume:	5.00 mL
Prep Date:	11/20/2014 0230				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.10	U	0.055	0.10

Client: New York State D.E.C. Job Number: 460-86402-2

Low Level Control Sample - Batch: 460-264163

Method: 9012B
Preparation: 9012B

Lab Sample ID:	LLCS 460-264163/33-A	Analysis Batch:	460-264213	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-264163	Lab File ID:	OM_11-20-2014_02-57-18
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 mL
Analysis Date:	11/20/2014 1509	Units:	mg/Kg	Final Weight/Volume:	5.00 mL
Prep Date:	11/20/2014 0230				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	1.00	1.01	101	90 - 110	

High Level Control Sample - Batch: 460-264163

Method: 9012B
Preparation: 9012B

Lab Sample ID:	HLCS 460-264163/34-A	Analysis Batch:	460-264213	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-264163	Lab File ID:	OM_11-20-2014_02-57-18
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 mL
Analysis Date:	11/20/2014 1510	Units:	mg/Kg	Final Weight/Volume:	5.00 mL
Prep Date:	11/20/2014 0230				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	2.00	1.92	96	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-264163

Method: 9012B
Preparation: 9012B

MS Lab Sample ID:	460-85857-D-15-C MS	Analysis Batch:	460-264213	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-264163	Lab File ID:	OM_11-20-2014_02-57-18
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.53 g
Analysis Date:	11/20/2014 1538			Final Weight/Volume:	5.00 mL
Prep Date:	11/20/2014 0230				
Leach Date:	N/A				

MSD Lab Sample ID:	460-85857-D-15-D MSD	Analysis Batch:	460-264213	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-264163	Lab File ID:	OM_11-20-2014_02-57-18
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.49 g
Analysis Date:	11/20/2014 1539			Final Weight/Volume:	5.00 mL
Prep Date:	11/20/2014 0230				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	68	58	40 - 130	7	32		

Client: New York State D.E.C. Job Number: 460-86402-2

Method Blank - Batch: 460-264122 **Method: 9014**
Preparation: 7.3.3

Lab Sample ID:	MB 460-264122/1-A	Analysis Batch:	460-264128	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-264122	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	11/20/2014 1000	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0900				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Cyanide, Reactive	25.0	U	25.0	25.0

Lab Control Sample - Batch: 460-264122 **Method: 9014**
Preparation: 7.3.3

Lab Sample ID:	LCS 460-264122/2-A	Analysis Batch:	460-264128	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-264122	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	11/20/2014 1000	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0900				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Reactive	40.0	25.0	12	10 - 100	U

Duplicate - Batch: 460-264122 **Method: 9014**
Preparation: 7.3.3

Lab Sample ID:	460-86310-C-1-E DU	Analysis Batch:	460-264128	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-264122	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	11/20/2014 1000	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0900				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cyanide, Reactive	25.0	U	25.0	NC	10	U

Method Blank - Batch: 460-264121

Method: 9034
Preparation: 7.3.4

Lab Sample ID:	MB 460-264121/1-A	Analysis Batch:	460-264125	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-264121	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	11/20/2014 1000	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0900				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Sulfide, Reactive	20.0	U	20.0	20.0

LCS-Certified Reference Material - Batch: 460-264121

Method: 9034
Preparation: 7.3.4

Lab Sample ID:	LCSSRM 460-264121/2-A	Analysis Batch:	460-264125	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-264121	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	11/20/2014 1000	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0900				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide, Reactive	34.9	30.91	88.6	49.3 - 139.0	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-264121

Method: 9034
Preparation: 7.3.4

MS Lab Sample ID:	460-86310-C-1-B MS	Analysis Batch:	460-264125	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-264121	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	11/20/2014 1000			Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0900				
Leach Date:	N/A				

MSD Lab Sample ID:	460-86310-C-1-C MSD	Analysis Batch:	460-264125	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	460-264121	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	11/20/2014 1000			Final Weight/Volume:	50 mL
Prep Date:	11/20/2014 0900				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfide, Reactive	46	43	28 - 110	7	10		

Client: New York State D.E.C. Job Number: 460-86402-2

Method Blank - Batch: 460-264203 **Method: 9045D**
Preparation: N/A

Lab Sample ID:	MB 460-264203/2	Analysis Batch:	460-264203	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	11/20/2014 1502	Units:	SU	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	NONE	NONE
pH	5.710			
Corrosivity	5.710			

LCS-Certified Reference Material - Batch: 460-264203 **Method: 9045D**
Preparation: N/A

Lab Sample ID:	LCSSRM 460-264203/3	Analysis Batch:	460-264203	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	11/20/2014 1504	Units:	SU	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	6.03	6.020	99.8	97.5 - 102.2	
Corrosivity	6.03	6.020	99.8	97.5 - 102.2	

Duplicate - Batch: 460-264203 **Method: 9045D**
Preparation: N/A

Lab Sample ID:	460-86314-C-2 DU	Analysis Batch:	460-264203	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 g
Analysis Date:	11/20/2014 1507	Units:	SU	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	10.7	10.66	0.09	10	
Corrosivity	10.7	10.66	0.09	10	

Client: New York State D.E.C. Job Number: 460-86402-2

Duplicate - Batch: 460-263804

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-86180-B-2 DU	Analysis Batch:	460-263804	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	11/19/2014 1058	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	19.1	18.0	6	20	
Percent Solids	80.9	82.0	1	20	

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

11/24/2014

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) IAN HOFMANN	Samplers Name (Printed) EAR-SG	Site/Project Identification DEC-CORTLANDT 1305 / SITE: 1-52-201
Company EAR	P. O. #	State (Location of site): NJ: ☐ NY: ☒ Other:
		Regulatory Program:
Address 225 ATLANTIC AVE	Analysis Turnaround Time Standard: ☒ (10 DAY)	
City PATCHOGUE State NY	Rush Chrages Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone 631-447-6400 Fax 631-447-6417		

Sample Identification	Date	Time	Matrix	No. of Cont.	TAL VOC's 8260	TAL SVOC's 8270	METALS (TAL)	PESTICIDES/ HERBICIDES	PCB's	MS/MSD	LAB USE ONLY Sample Numbers
CP-5 SE SW	11/17/14	1315	S	6	X	X	X	X	X		1
CP-5 SW SW	↓	1325	↓	6	↓	↓	↓	↓	↓		2
CP-5 BOT	↓	1410	↓	12	↓	↓	↓	↓	↓	X	3

LAB USE ONLY Project No:

Job No: 86402

460-86402 Chain of Custody

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH 6 = Other _____, 7 = Other _____ Soil: Water:

Special Instructions CATEGORY B DELIVERABLES REQUESTED Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	EAR	11/17/14 1500	1)	TA
2)	TA	11/17/14 1850	2)	TA EDISON
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578) 1.5 / 3.5 IRM 5

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): IAN HOFMANN
Company: EAR
Address: 225 ATLANTIC AVE
City: PATCHOGUE State: NY
Phone: 631-447-6400 Fax: 631-447-6497

Samplers Name (Printed): EAR-SG
P. O. #

Site/Project Identification: DEC-COPIAGUE BUS/SITE: 1-52-201
State (Location of site): NJ: ☐ NY: ☒ Other:
Regulatory Program:

Analysis Turnaround Time
Standard ☐
Rush Charges Authorized For
2 Week ☐
1 Week ☐
Other ☒ 72-HRS

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: 86403

Sample Identification	Date	Time	Matrix	No. of. Cont.	VOCs 8260	TAL METALS									Sample Numbers
SOIL WASTE	11/17/14	1245	S	3	X	X									4

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH Soil:
6 = Other ______, 7 = Other ______ Water:

Special Instructions: CATEGORY A DELIVERABLES REQUESTED Water Metals Filtered (Yes/No)? ______

Relinquished by	Company	Date / Time	Received by	Company
[signature]	EAR	11/17/14 1800	1) [signature]	TA
2) [signature]	T.A	11/17/14 18:30	2) [signature]	TA Edison
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL - 0016 (0408)

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 86402

Number of Coolers: 1 IR Gun # 5

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.6 °C	3.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 11/7/14

11/24/2014

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-86402-2

Login Number: 86402

List Source: TestAmerica Edison

List Number: 1

Creator: Meyers, Gary

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5 ° C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	received limited sample volume for voa msd
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

APPENDIX D: WASTE TRANSPORTER PERMITS (Freehold Cartage, Inc.)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-113

Pursuant to Article 27,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

FREEHOLD CARTAGE, INC.
P.O. BOX 5010
825 HIGHWAY 33
FREEHOLD, NJ 07728

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	JACK FITZSIMMONS	EFFECTIVE DATE:	07/01/2014
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**06/30/2015**
TELEPHONE NO:	(732)462-1001	US EPA ID NUMBER:	NJD054126164

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
110 Sand Company Clean Fill Disposal Site	Melville , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
ACM TECHNOLOGIES	FOREST HILL , MD	Hazardous Industrial/Commercial	
ADVANCED CHEMICAL COMPANY	WARWICK , RI	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
ADVANCED RECYCLING TECHNOLOGY	CHAMBERSBURG , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
ADVANCED WASTE AND WATER TECHNOLOGY	FARMINGDALE , NY	Non-Hazardous Industrial/Commercial	
AERC RECYCLING SOLUTIONS	ALLENTOWN , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
AGMET METALS, INC.	OAKWOOD VILLAGE , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
ALPHA & OMEGA	LONGVIEW , TX	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
AMERADA HESS	PORT READING , NJ	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
AMERICAN BIO MASS	WALTERBORO , SC	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS: New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: _____ Date: 4 / 24 / 14

NOTICE

This permit is not valid until the effective date listed on the permit

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-113

Pursuant to Article 27, Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

FREEHOLD CARTAGE, INC.
P.O. BOX 5010
825 HIGHWAY 33
FREEHOLD, NJ 07728

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	JACK FITZSIMMONS	EFFECTIVE DATE:	07/01/2014
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**06/30/2015**
TELEPHONE NO:	(732)462-1001	US EPA ID NUMBER:	NJD054126164

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
AMERICAN BIO MASS	WALTERBORO , SC	Waste Oil	
AMERICAN ENVIRONMENTAL	MORGANTOWN , WV	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
AMERICAN ENVIRONMENTAL SERVICES	CALVERT CITY , KY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
AMERICAN LAMP RECYCLING LLC	MARLBORO , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
AMERICAN REF-FUEL (COVANTA) OF HEMPSTEAD	WESTBURY , NY	Non-Hazardous Industrial/Commercial	
BATH LANDFILL	BATH , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
BAYSHORE RECYCLING	WOODBRIDGE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BERGEN POINT STP	WEST BABYLON , NY	Non-Hazardous Industrial/Commercial Septage only (residential) Residential Raw Sewage including Portable Toilet Waste	
BETHLEHEM APPARATUS	HELLERTOWN , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
BETHLEHEM APPARATUS COMP.	BETHLEHEM , PA	Hazardous Industrial/Commercial	
BFI Waste Systems of North America	IMPERIAL , PA	Non-Hazardous Industrial/Commercial	
BROOKFIELD RESOURCE	ELMSFORD , NY	Non-Hazardous Industrial/Commercial	
BUICK RESOURCE RECYCLING	BOSS , MO	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
C.R.I. ENVIRONMENT, INC.	COTEAU DU LAC , QC	Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial Waste Oil	
CARBON LIMESTONE LANDFILL	LOWELLVILLE , OH	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-113

Pursuant to Article 27,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

FREEHOLD CARTAGE, INC.
P.O. BOX 5010
825 HIGHWAY 33
FREEHOLD, NJ 07728

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME: JACK FITZSIMMONS
COUNTY: OUT OF STATE
TELEPHONE NO: (732)462-1001

EFFECTIVE DATE: 07/01/2014
EXPIRATION DATE: **06/30/2015**
US EPA ID NUMBER: NJD054126164

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
CARBON LIMESTONE LANDFILL, LLC	LOWELVILLE , OH	Waste Oil	
CASELLA WASTE SERVICES OF NY	NEWFIELD , NY	Non-Hazardous Industrial/Commercial	
CASIE ECOLOGY OIL SALVAGE INC	VINELAND , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CHEMICAL WASTE MANAGEMENT	EMELLE , AL	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
CHEMICAL WASTE MANAGEMENT, INC.	SULPHUR , LA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CHEMREC INC	COWANSVILLE , QC	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
CHEMTRON CORPORATION	AVON , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial Waste Oil	
CHEMUNG LANDFILL LLC	ELMIRA , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
CHESAPEAKE WASTE SOLUTIONS, INC.	MANHEIM , PA	Non-Hazardous Industrial/Commercial	
CLEAN EARTH CLAREMONT	JERSEY CITY , NJ	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CLEAN EARTH OF CARTERET	CARTERET , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
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Destination Facility	Location	Waste Type(s)	Note
CLEAN HARBORS ENV. SERVICES, INC.	CLEVELAND , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
CLEAN HARBORS OF BALTIMORE	BALTIMORE , MD	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CLEAN HARBORS OF CONNECTICUT	BRISTOL , CT	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Non-Residential Raw Sewage or Sewage-Contaminated Wastes Sludge from Sewage or Water Supply Treatment Plant Hazardous Industrial/Commercial Waste Oil	
CLEAN HARBORS PPM, LLC	TWINSBURG , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
CLEAN HARBORS PPM, LLC	PHILADELPHIA , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
CLEAN HARBORS PPM, LLC.	ASHTABULA , OH	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CLEAN WATER OF NEW YORK, INC.	STATEN ISLAND , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil	
CLEAR BROOK (FORMERLY RESIDUAL MANAGEMENT SERVICES, INC.)	DEER PARK , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Grease Trap Waste Residential Raw Sewage including Portable Toilet Waste	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
CYCLE CHEM (NJ)	ELIZABETH , NJ	Waste Oil	
CYCLE CHEM (PA)	LEWISBERRY , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial Waste Oil	
DETREX CORPORATION	CHARLOTTE , NC	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
DISPOSAL CONSULTANT SERVICES, INC.	PISCATAWAY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
DUTCHESS COUNTY RESOURCE RECOVERY FACILITY	POUGHKEEPSIE , NY	Non-Hazardous Industrial/Commercial	
DYNECOL, INC.	DETROIT , MI	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
E. I. DUPONT DENEMOURS AND COMPANY	DEEPWATER , NJ	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
EAST PENN MANUFACTURE	LYON STATION , PA	Non-Hazardous Industrial/Commercial	
EASTMAN KODAK COMPANY	ROCHESTER , NY	Hazardous Industrial/Commercial	
ECOFLO	GREENSBORO , NC	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
ENGLOBE CORP	MONTREAL-EAST , QC	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
ENPRO SERVICES OF VERMONT, INC.	WILLISTON , VT	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
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Destination Facility	Location	Waste Type(s)	Note
EQ OF CANTON (FORMERLY ENVIRITE OF OHIO, INC.)	CANTON , OH	Waste Oil	
EQ RESOURCE RECOVERY INC	ROMULUS , MI	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
EQIS	INDIANAPOLIS , IN	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
ESMI OF NEW YORK	FORT EDWARD , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
EVERCLEAR	AUSTINTOWN , OH	Non-Hazardous Industrial/Commercial Waste Oil	
EWS ALABAMA INC	GLENCOE , AL	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
EXIDE CORPORATION	READING , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
EXIDE TECHNOLOGIES	MUNCIE , IN	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
FALCONBRIDGE LIMITED-HORNE SMELTER DIVISION	ROUYN NORANDA , QC	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial	
FIELDING CHEMICAL TECHNOLOGIES INC.	MISSISSAUGA , ON	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
FREEHOLD RECYCLING CENTER	FREEHOLD , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Tires	
G & S TECHNOLOGIES	KEARNY , NJ	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
HERITAGE ENVIRONMENTAL SERVICES, LLC	INDIANAPOLIS , IN	Asbestos Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial Waste Oil	
HERITAGE TECHNOLOGES LLC	INDIANAPOLIS , IN	Hazardous Industrial/Commercial	
HERITAGE WTI, INC.	EAST LIVERPOOL , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
HESSTECH	EDISON , NJ	Non-Hazardous Industrial/Commercial	
HI-BRETT / PURATEX	PENNSAUKEN , NJ	Non-Hazardous Industrial/Commercial	
HIGH ACRES WESTERN EXPANSION LANDFILL	FAIRPORT , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
HIGHLAND ASSOCIATES	ANGELICA , NY	Non-Hazardous Industrial/Commercial	
HORIZON	QUEBEC , QC	Hazardous Industrial/Commercial	
HUBBARD HALL	SYRACUSE , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
HUKILL CHEMICAL CORPORATION	BEDFORD , OH	Non-Hazardous Industrial/Commercial Waste Oil Hazardous Industrial/Commercial	
INMETCO	ELLWOOD CITY , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
INTERNATIONAL MARINE SALVAGE	BUFFALO , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
INTERNATIONAL PETROLEUM CORPORATION	WILMINGTON , DE	Non-Hazardous Industrial/Commercial Waste Oil	
J.P. MASCARO & SONS/WHITE PINES LANDFILL	AUDUBON , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires	
KEYSTONE CEMENT CO.	BATH , PA	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
MISSISSAUGUA METALS	BRANFORD , ON	Hazardous Industrial/Commercial	
MODERN LANDFILL	YORK , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
MODERN LANDFILL, INC.	MODEL CITY , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Non-Residential Raw Sewage or Sewage-Contaminated Wastes Sludge from Sewage or Water Supply Treatment Plant Waste Oil	
MXI ENVIRONMENTAL SERVICES	ABINGDON , VA	Non-Hazardous Industrial/Commercial	
NEXEO SOLUTIONS LLC (FORMERLY ASHLAND CHEMICAL COMPANY)	BINGHAMTON , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
NORLITE, LLC	COHOES , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
NORTHEAST LAMP RECYCLING, INC	EAST WINDSOR , CT	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
NOVA PB INC	VILLE STE CATHERINE , QC	Non-Hazardous Industrial/Commercial Waste Tires Sludge from Sewage or Water Supply Treatment Plant Hazardous Industrial/Commercial	
OGDEN MARTIN	HAVERVILLE , MA	Non-Hazardous Industrial/Commercial	
OLD BRIDGE CHEMICAL	OLD BRIDGE , NJ	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
ONTARIO COUNTY LANDFILL	STANLEY , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
PIONEER CROSSING LANDFILL	BIRDSBORO , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
POLLUTION CONTROL INDUSTRIES	MILLINGTON , TN	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
PORT JEFFERSON STP	PORT JEFFERSON , NY	Non-Hazardous Industrial/Commercial	
PSC FORMERLY CHEMICAL POLLUTION CONTROL INC	BAY SHORE , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
PURE EARTH RECYCLING	VINELAND , NJ	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
PURE SOIL TECHNOLOGIES	JACKSON , NJ	Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
RECYCLING COORDINATORS	AKRON , OH	Non-Hazardous Industrial/Commercial	
RELDAN METALS REFINING & MANUFACTURING	PHILADELPHIA , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
REPUBLIC ENVIRONMENTAL SYSTEMS (PA) INC.	HATFIELD , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial Waste Oil	
RESERVE ENVIRONMENTAL SERVICES	ASHTABULLA , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
RGM EARTHCARE OF NY	DEER PARK , NY	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

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Destination Facility	Location	Waste Type(s)	Note
SOLVENTS & PETROLEUM SERVICE	SYRACUSE , NY	Hazardous Industrial/Commercial Waste Oil	
SPECIALTY WASTE SOLUTIONS	CONSHOHOCKEN , PA	Non-Hazardous Industrial/Commercial	
Stablex Canada Inc.	Blainville , QC	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial	
STEELWAYS, INC.	NEWBURGH , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
STERICYCLE, INC.	INDIANAPOLIS , IN	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
SUBURBAN SOUTH RECYCLING	GLENFORD , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Septage only (residential) Residential Raw Sewage including Portable Toilet Waste Non-Residential Raw Sewage or Sewage-Contaminated Wastes Sludge from Sewage or Water Supply Treatment Plant	
SYSTECH ENVIRONMENTAL	PAULDING , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
TECHNIC, INC.	CRANSTON , RI	Hazardous Industrial/Commercial	
TERIS LLC	EL DORADO , AR	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
THE PENN OHIO CORPORATION	ASHTABULA , OH	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil	
TRADEBE TREATMENT AND RECYCLING NORTHEAST, LLC	MERIDAN , CT	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	

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Destination Facility	Location	Waste Type(s)	Note
VEOLIA ES TECHNICAL SOLUTIONS (FORMERLY ONYX)	FLANDERS , NJ	Waste Oil	
VEOLIA ES TECHNICAL SOLUTIONS LLC	STOUGHTON , MA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
VEOLIA ES TECHNICAL SOLUTIONS LLC	WEST BRIDGEWATER , MA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
VEOLIA ES TECHNICAL SOLUTIONS, LLC	LATHAM , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial Waste Oil	
VEOLIA ES TECHNICAL SOLUTIONS, LLC	MIDDLESEX , NJ	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
VEOLIA ES TECHNICAL SOLUTIONS, LLC	SAUGET , IL	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
VEOLIA ES TECHNICAL SOLUTIONS, LLC	WEST CARROLLTON , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial Waste Oil	
VEOLIA ES TECHNICAL SOLUTIONS, LLC	PORT WASHINGTON , WI	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
VEOLIA ES TECHNICAL SOLUTIONS, LLC	SCHENECTADY , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
VEOLIA GREENTREE LANDFILL - FORMERLY ONYX	KERSEY , PA	Non-Hazardous Industrial/Commercial	

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Destination Facility	Location	Waste Type(s)	Note
WASTE RECOVERY SOLUTIONS	MYERSTOWN , PA	Waste Oil	
WAYNE DISPOSAL, INC	BELLEVILLE , MI	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial	
WHEELABRATOR FALLS INC	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial	
WHEELABRATOR HUDSON FALLS, LLC	HUDSON FALLS , NY	Non-Hazardous Industrial/Commercial	
WHEELABRATOR WESTCHESTER, LP	PEEKSKILL , NY	Non-Hazardous Industrial/Commercial	
WM AMERICAN LANDFILL	WAYNESBURG , OH	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
WORLD RESOURCES COMPANY	POTTSVILLE , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
XSTARTA HORNE SMELTER	QUEBEC , QC	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	

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AUTHORIZED VEHICLES:

The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

472 (Four Hundred and Seventy Two) Permitted Vehicle(s)

ME 1642751	ME 164911E	ME 1658306	ME 1662364	ME 1668702
ME 1642752	ME 1649364	ME 1658326	ME 1662461	ME 1668703
ME 1643004	ME 164949E	ME 1658378	ME 1662462	ME 1675099
ME 1643005	ME 1649531	ME 1658417	ME 1662463	ME 167678C
ME 1643045	ME 1649930	ME 1658418	ME 1663701	ME 167759B
ME 1643049	ME 1651059	ME 1658444	ME 1663728	ME 167827A
ME 1644148	ME 165117A	ME 165851C	ME 1663731	ME 168038A
ME 1644149	ME 1652265	ME 1658660	ME 1663732	ME 168039A
ME 1644150	ME 1652266	ME 1658853	ME 1663733	ME 168061C
ME 1644151	ME 1652267	ME 1658904	ME 1663736	ME 168062C
ME 1644803	ME 1652268	ME 1658905	ME 1663804	ME 168063C
ME 1645198	ME 1652378	ME 1658906	ME 1663805	ME 168064C
ME 164555E	ME 1652745	ME 1658955	ME 1663806	ME 168065C
ME 164556E	ME 1652746	ME 1658956	ME 1663807	ME 168066C
ME 164557E	ME 1652747	ME 1658957	ME 1663832	ME 1691266
ME 164558E	ME 1653268	ME 1658958	ME 1663833	ME 1691267
ME 164559E	ME 1653937	ME 1658959	ME 1663834	ME 1691268
ME 164560E	ME 1653938	ME 1658960	ME 1663835	ME 169656B
ME 164561E	ME 1653939	ME 1659018	ME 1663836	ME 172622A
ME 164562E	ME 1653940	ME 1659065	ME 1663874	ME 172623A
ME 164563E	ME 1654330	ME 1659084	ME 1663875	ME 172624A
ME 164564E	ME 1655517	ME 1659099	ME 1663876	ME 172625A
ME 164565E	ME 1655567	ME 1659137	ME 1663878	ME 1726597
ME 164566E	ME 1655568	ME 1659138	ME 1665167	ME 1735910
ME 164567E	ME 1655570	ME 1659229	ME 166608C	ME 1739469
ME 164568E	ME 165569E	ME 1659613	ME 166609D	ME 1739471
ME 164569E	ME 1655723	ME 1659782	ME 1666892	ME 1739472
ME 164570E	ME 165609E	ME 1659910	ME 1666893	ME 1739473
ME 164571E	ME 165624E	ME 166022C	ME 1666894	ME 1739474
ME 164572E	ME 1656668	ME 166023C	ME 1666895	ME 2440988
ME 164573E	ME 165692C	ME 166024C	ME 1666896	ME 2440989
ME 164574E	ME 165693C	ME 166025C	ME 1666897	ME 2440990
ME 1646705	ME 165694C	ME 166026C	ME 166758C	ME 2440991
ME 1646706	ME 165695C	ME 166027C	ME 166759C	ME 2440992
ME 1646839	ME 165696C	ME 1660392	ME 166760C	ME 2440993
ME 1646840	ME 165697C	ME 1660462	ME 166761C	ME 2440994
ME 1646843	ME 165698C	ME 1660463	ME 166762C	ME 2440995
ME 1647092	ME 165699C	ME 1660464	ME 166763C	ME 2440996
ME 1647094	ME 165700C	ME 1660465	ME 166764C	ME 2440997
ME 1647095	ME 165701C	ME 1660600	ME 166765C	ME 2440998
ME 1647149	ME 165702C	ME 1660601	ME 166766C	ME 2440999
ME 1647213	ME 165786C	ME 1660939	ME 166767C	ME 2441000
ME 1647217	ME 1658151	ME 1660959	ME 166823D	ME 2441001
ME 1647464	ME 1658154	ME 1662362	ME 1668700	ME 2441002
ME 1647465	ME 1658305	ME 1662363	ME 1668701	ME 2441003

*** AUTHORIZED VEHICLES LISTING (continued on next page) ***

TRANSLATION

Montreal, November 9, 2010

PERMIT
(Sections 70.11 and 70.14)

Freehold Cartage, inc.
825, Highway 33
PO box 5010
Freehold, New Jersey, 07728
USA

Our file : 7610-06-01-01765-10
400765873

SUBJECT : Residual Hazardous Materials Transport

Dear Sir :
Dear Madam :

Further to your application for the renewal of an operating permit dated September 10, 2010, received on September 14, 2010, and completed last November 8, 2010, you are hereby being issued, under sections 70.11 and 70.14 of the Environment Quality Act (R.S.Q., chapter Q-2), an operating permit with regard to the following activity :

- Transport of residual hazardous materials covered by the Quebec regulation respecting hazardous materials and amending various regulatory provisions with the exception of the explosive residual hazardous materials and the radioactive residual hazardous materials.

Ce papier contient 100 % de fibres de coton recyclées.

Our file : 7610-06-01-01765-10
400765873

The place of storage of the transport vehicles is located at :

There is no place of storage in Quebec

The valid term of the operating permit is of 5 years as of the date of this document.

Furthermore, this permit does not relieve the holder of the obligation to obtain any other authorisation required by law or regulation, where applicable.

For the Minister,

PR/IL/sc

Pierre Robert
Directeur régional de l'analyse
et de l'expertise de Montréal,
Laval, Lanaudière et Laurentides

Ce papier contient 100 % de fibres de coton recyclées.

State of New Jersey
Department of Environmental Protection
Solid Waste and Pesticides Enforcement
9 Ewing Street, Mail Code 09-01
PO Box 420
Trenton, NJ 08625-0420
(609) 292-7081

LICENSED SOLID WASTE

NJDEP Registered Transporter:

FREEHOLD CARTAGE INC
PO BOX 5010
EAST FREEHOLD, NJ 07728

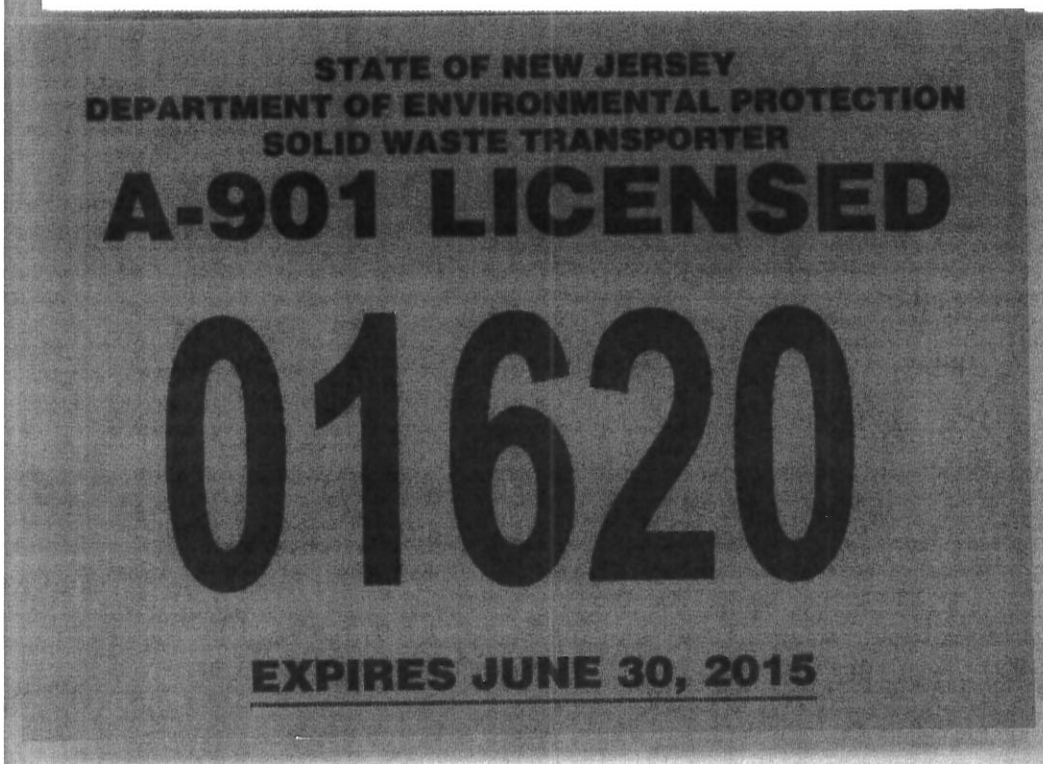
607

NJDEP Transporter Vehicle Registration Card

Expiration Date: **6/30/2015**
Decal Number: **SWL-15-001620**
Vin ID#: **1NPFLU0X3VN440853** **NJ**
License Plate #: **AA394E**
Vehicle Type: **Single Unit Vehicle**
Vehicle leased?: **Y**
If Yes, lessor's name:
FCI TRANSPORT INC
NJDEP Registered Transporter:
FREEHOLD CARTAGE INC
NJDEP #: **15939**

This card must be carried in the cab of the vehicle at all times.
This registration card & decal are valid for use only by the listed registrant.
Leased equipment can only be used to transport waste by the listed registrant.

NJDEP Transporter Vehicle Registration Card



Let's protect our earth

State of New Jersey
Department of Environmental Protection
Solid Waste and Pesticides Enforcement
9 Ewing Street, Mail Code 09-01
PO Box 420
Trenton, NJ 08625-0420
(609) 292-7081

LICENSED HAZARDOUS WASTE

NJDEP Registered Transporter:

FREEHOLD CARTAGE INC
PO BOX 5010
EAST FREEHOLD, NJ 07728

607

Decal Number: **HWL-15-402151**
Vin ID#: **1NPFLU0X3VN440853** **NJ**
License Plate #: **AA394E**
Vehicle Type: **Cab**
Vehicle leased?: **Y**
If Yes, lessor's name:
FCI TRANSPORT INC
NJDEP Registered Transporter:
FREEHOLD CARTAGE INC
NJDEP #: **02265**

This card must be carried in the cab of the vehicle at all times.
This registration card & decal are valid for use only by the listed registrant.
Leased equipment can only be used to transport waste by the listed registrant.

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE TRANSPORTER

A-901 LICENSED

402151

EXPIRES JUNE 30, 2015

APPENDIX E: WASTE MANIFESTS

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD106835143

2. Page 1 of: 1

3. Emergency Response Phone: (631) 586-5900

4. Manifest Tracking Number: 013394405 JJK

5. Generator's Name and Mailing Address
Levey Property
1305 South Strong Avenue Copiague NY 11726
Generator's Phone: (631) 586-5900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Freehold Cartage, Inc.
U.S. EPA ID Number: NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnGlobe Corp.
8365 Avenue Broadway Nord, Montreal-East, Quebec, H1B 5X7
Facility's Phone: 514 644-1405
U.S. EPA ID Number: 1167280206

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3077, RQ, Waste Environmentally hazardous substances, Solid, n.o.s. 9, PGIII (Tetrachloroethylene)	001	CM ~~DT~~	EST. 4,100 ~~20,000~~	~~P~~ K	F002	D039	D040
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

Innovative Recycling Technologies, Inc. acting as intermediary arranging for export. Soil contaminated with tetrachloroethylene.

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: As Agent for NYSDEC [illegible]
Signature: [signature]
Month 1 Day 6 Year 15

16. International Shipments
☐ Import to U.S. ☒ Export from U.S.
Port of entry/exit: ~~Rouses Point, NY~~ Champlain, NY
Transporter signature (for exports only): [signature]
Date leaving U.S.: 1-7-15

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: ROBERT SMITH
Signature: [signature]
Month 1 Day 6 Year 15

Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space
☒ Quantity ☐ Type ☐ Residue ☒ Partial Rejection ☐ Full Rejection
12520 KG
Manifest Reference Number: P-7265

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible]
Signature: [signature]
Month Day Year: 01 13 15

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

SOLUTION CENTRE DE TRAITEMENT DE SOL

Centre de traitement de sol / Soil Treatment Facility
8365, Broadway Nord, Montréal (Québec) H1B 5X7

SOLUTION SOIL TREATMENT FACILITY **P- 7265**

N° d'autorisation / Authorization No.: M1242

Vente de sable / Sand purchase:

Classe / Class ☐ A ☐ B

Autres / Other: ____

Plage de contamination / Contamination level:

☐ AB ☐ BC ☐ >C ☑ >RESC (>D)

☐ à caractériser / sampling on arrival (n° échantillon / sample ID): ____

☐ Autres / Other: ____

Pesée / Weighing:

ID	162719
GROSS	28640 kg
ID	162719
GROSS	28640 kg
TARE	16120 kg
NET	12520 kg

Transporteur / Carrier: Freehold Cartage inc.

Immatriculation / Truck ID: ____

Signature du conducteur / Driver's signature

Acceptation des sols / Soil acceptance

Remarques / Remarks: S012-2452 AH5 (10-12) 962/862-3
Sable lavé 013944 SJK
Blackwell ct

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD106835143	1	(631)586-5900	013394404 JJK

GENERATOR

5. Generator's Name and Mailing Address
Levey Property
1305 South Strong Avenue Copiague NY 11726
Generator's Phone: (631)586-5900

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name
Freehold Cartage, Inc.
U.S. EPA ID Number
NJD054126164

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
EnGlobe Corp.
8365 Avenue Broadway Nord, Montreal-East, Quebec, H1B 5X7
Facility's Phone: 514 644-1405
U.S. EPA ID Number
1167280206

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3077, RQ, Waste Environmentally hazardous substances, Solid, n.o.s. 9, PGIII (Tetrachloroethylene)	001	CM ~~DT~~	EST. 4,100 ~~20,000~~	K	F002	D039	D040
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
Innovative Recycling Technologies, Inc. acting as intermediary arranging for export. Soil contaminated with tetrachloroethylene.
Box # 1718

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: As Agent for NYSDEC Peter Lombardo
Signature
Month: 1 Day: 5 Year: 15

INT'L

16. International Shipments
☐ Import to U.S. ☒ Export from U.S.
Port of entry/exit: Rouses Point, NY
Transporter signature (for exports only): Timothy B Conklin
Date leaving U.S.: 1-5-15

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Timothy B Conklin
Signature: Timothy B Conklin
Month: 1 Day: 5 Year: 15

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space
☑ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
5KU KG
Manifest Reference Number: P-1264

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: KARIM DOBE
Signature
Month: 01 Day: 20 Year: 15

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

SOLUTION
CENTRE DE TRAITEMENT DE SOL

Centre de traitement de sol / Soil Treatment Facility
8365, Broadway Nord, Montréal (Québec) H1B 5X7

SOLUTION
SOIL TREATMENT FACILITY

P- 7264

2015/01/06 09:16

N° d'autorisation / Authorization No.: M11742

Vente de sable / Sand purchase:

Classe / Class 2015/01/06 09:16

☐ A ☐ B

Plage de contamination / Contamination level:

☐ AB ☐ BC ☑ >C ☐ >RESC (>D)

Autres / Other: ____

☐ à caractériser / sampling on arrival (n° échantillon / sample ID): ____

☐ Autres / Other: ____

Pesée / Weighing:

ID 167678.
GROSS 22870 kg

ID 167678.
GROSS 22870 kg

TARE 17120 kg
NET 5750 kg

Transporteur / Carrier: Freehold Cartage

Immatriculation / Truck ID: ____

[signature]
Signature du conducteur / Driver's signature

[signature]
Acceptation des sols / Soil acceptance

Remarques / Remarks: S012-2452 AH5 bd 9621861-5
Sable lavande 0133440 JK
Polystyrène UK

APPENDIX F: DISPOSAL FACILITY CERTIFICATES OF AUTHORIZATION (Solution EAS)

Ministère
de l'Environnement
Québec

Montréal, October 1, 1997

CERTIFICATE OF AUTHORIZATION

Solution Eau Air Sol (EAS) inc.
350, rue Franquet
Sainte-Foy (Québec) G1P 4P3

N/Réf. : 7610-06-01-0158418
1150957

Subject: Biotreatment of contaminated soils by PCP

Dear Sirs,

Following your request for certificate of authorization dated on March 28, 1997, received on March 28, 1997 and completed on September 26, 1997, I hereby authorize, in accordance with section 22 of the Environment Quality Act, the holder above mentioned to carry out the project describes below :

Biotreatment of soils contaminated by PCP

The project will be realized on the lot 244 of the official land register of the parish of Pointe-aux-Trembles at Montréal-Est on the territory of the Communauté urbaine de Montréal. The lot is situated in the civil number 8365, of the Broadway Nord street.

N/Réf. : 7610-06-01-0158418
1150957

October 1, 1997

The following documents form integral part of this modification:

- Letter to Robert Brisebois, dated on April 29, 1997, signed by André Carange ;
- Letter to Guylaine Pépin, dated on March 18, 1996 and signed by Luc Dussault;
- Letter to Guylaine Pépin, dated on April 15, 1996 and signed by Luc Dussault;
- Report entitled « Biotraitement de sols contaminés par des agents organiques servant à la préservation du bois » prepared by the firm Solution Eau Air Sol (EAS) Inc, dated on May 1995.

In the event of divergence between these documents, the information contained with the most recent document will prevail.

The project will have to be carried out in accordance with these documents.

Furthermore, this certificate of authorization does not relieve the holder of the obligation to obtain any other authorization required by law or regulation, where applicable.

For the Minister,

Daniel Leblanc, ing.
Directeur régional
de Montréal

If there is a difference between the French original version and the English translation, the French version has precedence.

Ministère
de l'Environnement
Québec

Montréal, July 8, 1993

CERTIFICATE OF AUTHORIZATION

Solution Eau Air Sol (EAS) inc.
12 698, boulevard Industriel
Montréal (Québec) H1A 3V2

N/Réf. : 7610-06-01-0158410
1075774

Subject: Construction and exploitation of a recycling center of soils containing light hydrocarbons

Dear Sirs,

Following your request for certificate of authorization received on Mai 14, 1993 and completed on June 30, 1993, I hereby authorize, in accordance with section 22 of the Environment Quality Act, the holder above mentioned to carry out the project describes below :

- Construction of a treatment surface for contaminated soils of a capacity of 2 500 cubic meter;
- Exploitation of the surface of treatment

The installations are located on lot 244 of the official land register of the parish of Pointe-aux-Trembles at Montréal-Est on the territory of the Communauté urbaine de Montréal.

N/Réf. : 7610-06-01-0158410
1075774

July 8, 1993

The request for certificate of authorization and the documents following form integral part of this certificate of authorization:

TYPE OF DOCUMENT	DATES	SIGNATORY
Letter in Kathleen Carrière	May 13, 1993	Benoit Cyr
Lettre in Robert Brisebois	June 1, 1993	Benoit Cyr
Lettre in Robert Brisebois	June 7 1993	J.L.Sansregret
Letter in Robert Brisebois	June 25, 1993	Benoit Cyr
Report: Implantation d'une station de biotraitement de sols contenant des hydrocarbures légers à Montréal-Est - Request for certificate of authorization	May 1993	Solution Inc

The project will have to be carried out and exploited in accordance with this request for certificate and documents.

The authorized activity and work can be undertaken as from the date of present.

Furthermore, this certificate of authorization does not relieve the holder of the obligation to obtain any other authorization required by law or regulation, where applicable.

For the Minister,

Kathleen Carrière
Directrice régionale
de Montréal et de Lanaudière

If there is a difference between the French original version and the English translation, the French version has precedence.

Ministère
de l'Environnement
Québec

Montréal, October 17 2002

MODIFICATION

Solution Eau Air Sol (EAS) inc.
350, rue Franquet
Sainte-Foy (Québec) G1P 4P3

N/Réf. : 7610-06-01-0158410
400053501

Subject: Construction and exploitation of a center of recycling of soils containing of light hydrocarbons

Dear Sirs,

The present modification relates to the certificate of authorization delivered on July 8, 1993 (7610-06-01-0158410 061075774) under the terms of section 22 of the Environment Quality Act, with regard to the project describes below:

- Construction of a treatment surface for contaminated soils of a capacity of 2 500 cubic meter;
- Exploitation of the surface of treatment

The installations are located on lot 244 of the official land register of the parish of Pointe-aux-Trembles at Montréal-Est on the territory of the Communauté urbaine de Montréal.

Following your request dated on October 10, 2002, received on October 15, 2002 and duly supplemented, I authorize, in accordance with section 122.2 of the aforementioned law, the following modifications:

To modify the profile of the floor of the treatment surfaces #1 and #2 of the biological treatment center of the contaminated soils.

N/Réf. : 7610-06-01-0158410
400053501

October 17, 2002

The following documents form integral part of this modification:

- Letter to ministère de l'Environnement dated on October 10, 2002 and signed by Jean-Luc Sansregret, v.-p., constituting the request for modification of a certificate of authorization, 1 page and appendices;

- Plan SOL2-10-CA01, Revision 1, heading « Détails de bourrelet et de voirie Type 1 – Aires AT-01, AT-02, AT-03, AT-04 et AT-05 », signed and sealed by Andre Carange, ing. and Stephan Richard, ing., of the firm Solution Eau Air Sol (EAS) inc, October 7, 2002

In the event of divergence between these documents, the information contained with the most recent document will prevail.

The modification will have to be carried out in accordance with these documents.

Moreover, the aforementioned modification of certificate of authorization does not exempt to you to obtain any other authorization required by any law or any payment if necessary.

For the Minister,

Jean Rivet
Directeur régional
de Montréal

If there is a difference between the French original version and the English translation, the French version has precedence.

Ministère
de l'Environnement
Québec

Montréal, July 25, 2003

MODIFICATION

Solution Eau Air Sol (EAS) inc.
350, rue Franquet
Sainte-Foy (Québec) G1P 4P3

N/Réf. : 7610-06-01-0158410
400097128

Subject: Construction and exploitation of a recycling center of soils containing of light hydrocarbons

Dear Sirs,

The present modification respectively relates to the certificate of authorization delivered on 8 July 1993 (7610-06-01-0158410 061075774) and modified on October 17, 2002 (7610-06-01-0158420 400053501) under the terms of sections 22 and 122.2 of the Environment Quality Act, with regard to the project describes below:

> To modify the profile of the floor of the treatment surfaces #1 and #2 of the biological treatment center of the contaminated soils.

Following your request dated on June 25, 2003, received on July 7, 2003 and duly supplemented on July 22, 2003, I authorize, in accordance with section 122.2 of the aforementioned law, following modification:

> To allow the use of the surfaces treatment #1 and #2 for storage or treatment of contaminated soils and to integrate this mode of management into the whole of the treatment surfaces of the treatment center. The treatment surfaces can be used as surface of storage at a rate of 40 % of the total volume which is 29 800 m^3. The whole will be carried out on a part of lots 1 250 930, 1 508 791, 2 209 893 and 2 209 894 of the land register of Quebec of the district of Rivière-des-Prairies / Pointe-aux-Tremble / Montréal-Est of the town of Montréal.

N/Réf. : 7610-06-01-0158410
400097128

July 25, 2003

The following documents form integral part of this modification:

- Letter to ministère de l'Environnement dated on June 25, 2003 and signed by Martin Plants, ing., constituting the request for modification of a certificate of authorization, 1 page and appendices;
- Letter to ministère de l'Environnement dated on July 22, 2003 and signed by Martin Plante, ing., concerning the request for modification of a certificate of authorization, 1 page and appendices.

In the event of divergence between these documents, the information contained with the most recent document will prevail.

The modification will have to be carried out in accordance with these documents.

Moreover, the aforementioned modification of certificate of authorization does not exempt to you to obtain any other authorization required by any law or any payment if necessary.

For the Minister

Jean Rivet
Directeur régional
de Montréal

If there is a difference between the French original version and the English translation, the French version has precedence.

Ministère du
Développement durable,
de l'Environnement
et des Parcs
Québec

Montréal, le 20 mai 2005

MODIFICATION

Solution Eau Air Sol (EAS) inc.
350, rue Franquet
Sainte-Foy (Québec) G1P 4P3

N/Réf. : 7610-06-01-0158411
400214954

Objet : Agrandissement du centre de recyclage de sols contenant des hydrocarbures légers et traitement de sols contaminés par des huiles de transformateur

Mesdames,
Messieurs,

La présente modification concerne le certificat d'autorisation délivré le 6 juin 1994 et modifié les 17 octobre 2002 et 25 juillet 2003 en vertu respectivement des articles 22 et 122.2 de la Loi sur la qualité de l'environnement (L.R.Q., chapitre Q-2), à l'égard du projet décrit ci-dessous :

- Ajout d'une aire de traitement d'une capacité de 2 000 mètres cubes.
- Traitement de sols contaminés par les huiles de transformateur.
- Modifier le profil du plancher de l'aire de traitement #3 du centre de traitement biologique des sols contaminés.
- Diminuer la capacité de l'aire de traitement à 2 550 m^3 et permettre l'utilisation de l'aire de traitement #3 à des fins d'entreposage ou de traitement des sols contaminés et intégrer ce mode de gestion à l'ensemble des aires du centre de traitement. Les aires de traitement peuvent servir d'aire d'entreposage à raison de 40 % du volume total qui est de 1 250 930, 1 508 791, 2 209 893, et 2 209 894 du cadastre du Québec de l'arrondissement de Rivière-des-Prairies–Pointe-aux-Tremble–Montréal-Est de la Ville de Montréal.

Ce papier contient 100 % de fibres de coton recyclées.

MODIFICATION

N/Réf. : 7610-06-01-0158411
400214954

Le 20 mai 2005

À la suite de votre demande datée du 18 mars 2005, reçue le même jour et dûment complétée le 2 mai 2005, j'autorise, conformément à l'article 122.2 de ladite loi, la modification suivante :

- Permettre la réception de sols ayant une contamination mixte, soit des huiles de transformateur et des métaux et métalloïdes dont la concentration est supérieure à l'annexe II du Règlement sur la protection et la réhabilitation des terrains.

Les documents suivants font partie intégrante de la présente modification :

- Lettre au ministère du Développement durable, de l'Environnement et des Parcs datée du 18 mars 2005 et signée par Martin Plante, ing. constituant la demande de modification d'un certificat d'autorisation, une page;
- Envoi par courriel au ministère du Développement durable, de l'Environnement et des Parcs daté du 18 mars 2005 et signé par Danny Gagné, concernant la demande de modification d'un certificat d'autorisation, une page et annexes;
- Lettre au ministère du Développement durable, de l'Environnement et des Parcs datée du 28 avril 2005 et signée par Danny Gagné, concernant la demande de modification d'un certificat d'autorisation, deux pages.

En cas de divergence entre ces documents, l'information contenue au document le plus récent prévaudra.

La modification devra être réalisée conformément à ces documents.

En outre, ladite modification de certificat d'autorisation ne vous dispense pas d'obtenir toute autre autorisation requise par toute loi ou tout règlement le cas échéant.

Pour le ministre,

JR/HT/md

Jean Rivet
Directeur régional de l'analyse et de l'expertise de Montréal, Laval, Lanaudière et Laurentides

Ce papier contient 100 % de fibres de coton recyclées.

Ministère
de l'Environnement
Québec

Montréal, July 14, 1995

CERTIFICATE OF AUTHORIZATION

Solution Eau Air Sol (EAS) inc.
12 698, boulevard Industriel
Montréal (Québec) H1A 3V2

N/Réf. : 7610-06-01-0158412
1095874

Subject: Addition of the used oils to the list of the contaminants which can be present in the acceptable soils at the treatment center of contaminated soils

Dear Sirs,

Following your request for certificate of authorization dated on October 25, 1994, received on October 27, 1994 and completed on Novembre 17, 1994, I hereby authorize, in accordance with section 22 of the Environment Quality Act, the holder above mentioned to carry out the project describes below :

Traitement of contaminated soils by used oils on the lot 244 of the official land register of the parish of Pointe-aux-Trembles at Montréal-Est on the territory of the Communauté urbaine de Montréal.

N/Réf. : 7610-06-01-0158412
1095874

July 14, 1995

The request for certificate of authorization and the documents following form integral part of this certificate of authorization:

- Letter to Robert Brisebois, dated on October 25, 1994 and signed by Luc Dussault;
- Letter to Pierre Robert, dated on November 17, 1994 and signed by Benoit Cyr;
- Report entitled « Agrandissement de la station et biotraitement de sols contenant des huiles usées » prepared by the firm Solution Eau Air Sol (EAS) Inc, dated on January 1994.

In the event of divergence between these documents, the information contained with the most recent document will prevail.

The project must be carried out and operated in accordance with these documents.

Furthermore, this certificate of authorization does not relieve the holder of the obligation to obtain any other authorization required by law or regulation, where applicable.

For the Minister,

Robert Tétreault, ing.
Directeur régional
de Montréal et de Lanaudière

If there is a difference between the French original version and the English translation, the French version has precedence.

Ministère
de l'Environnement
Québec

Montréal, April 29, 1996

CERTIFICATE OF AUTHORIZATION

Solution Eau Air Sol (EAS) inc.
12 698, boulevard Industriel
Montréal (Québec) H1A 3V2

N/Réf. : 7610-06-01-0158416
1094571

Subject: Biotreatment of contaminated soils by polycyclic aromatic hydrocarbons (HAP)

Dear Sirs,

Following your request for certificate of authorization dated on March 18, 1996, received on March 22, 1996 and completed on April 16, 1996, I hereby authorize, in accordance with section 22 of the Environment Quality Act, the holder above mentioned to carry out the project describes below :

> Biotreatment of contaminated soils by polycyclic aromatic hydrocarbons (HAP) on the lot 244 of the official land register of the parish of Pointe-aux-Trembles at Montréal-Est on the territory of the Communauté urbaine de Montréal.

N/Réf. : 7610-06-01-0158416
1094571

April 29, 1996

The following documents form integral part of this modification:

- Letter to Robert Brisebois, dated on October 20, 1995 and signed by Luc Dussault;
- Letter to Guylaine Pépin, dated on March 18, 1996 and signed by Luc Dussault;
- Letter to Guylaine Pépin, dated on April 15, 1996 and signed by Luc Dussault;
- Report entitled « Biotraitement de sols contaminés par des agents organiques servant à la préservation du bois » prepared by the firm Solution Eau Air Sol (EAS) Inc, dated on May 1995.

In the event of divergence between these documents, the information contained with the most recent document will prevail.

The project must be carried out and operated in accordance with these documents.

Furthermore, this certificate of authorization does not relieve the holder of the obligation to obtain any other authorization required by law or regulation, where applicable..

For the Minister,

Robert Tétreault, ing.
Directeur régional
de Montréal

If there is a difference between the French original version and the English translation, the French version has precedence.

Québec

Ministère
de l'Environnement

Montréal, June 13, 2003

MODIFICATION

Solution Eau Air Sol (EAS) inc.
350, rue Franquet
Sainte-Foy (Québec) G1P 4P3

N/Réf. : 7610-06-01-0158422
400084361

Subject : Biological treatment of the « Chlorinated aliphatic volatile, organic compounds »

Dear Sirs,

The present modification relates to the certificate of authorization delivered on January 31, 2002 (7610-06-01-0158422 060006933) under the terms of section 22 of the Environment Quality Act, with regard to the project describes below:

> To treat biologically the 29 substances mentioned under the section « Chlorinated aliphatic volatile, organic compounds » of Schedule I of the Regulation respecting the burial of contaminated soils in the biological treatment center located on a part of the lots 1 250 930 and 2 209 893 of the official cadastral designation of Quebec of the Town of Montréal (district Rivière-des-Prairies/Pointe-aux-Trembles/Montréal-Est) on the territory of the Communauté Métropolitaine de Montréal

Following your request dated on May 15, on 2003 and received on May 16, 2003, I authorize, in accordance with section 122.2 of the aforementioned law, the following modifications:

> To add chlorobenzenes to the list of the substances being able to be treated at the biological treatment center of the contaminated soils of the holder.

N/Réf. : 7610-06-01-0158422
400084361

June 13, 2003

The following documents form integral part of this modification :

- Letter to ministère de l'Environnement, dated on May 15, 2003, signed by Jean-Luc Sansregret, constituting the request for modification of the certificate of authorization delivered on January 31, 2002, 2 pages;

- Report entitled « Traitement biologique des sols contaminés par des chlorobenzènes au Centre Solution Eau Air Sol (EAS) inc. de Montréal » prepared by the firm Biogénie, March 2003, 15 pages and appendix.

In the event of discrepancy between these documents, the information contained in the most recent document shall prevail.

The project must be carried out and operated in accordance with these documents.

Furthermore, this modification does not relieve the holder of the obligation to obtain any other authorization required by law or regulation, where applicable.

For the minister,

Jean Rivet
Directeur régional
de Montréal

If there is a difference between the French original version and the English translation, the French version has precedence.

Québec

Ministère
de l'Environnement

Montréal, January 31, 2002

CERTIFICATE OF AUTHORIZATION

Solution Eau Air Sol (EAS) inc.
350, rue Franquet
Sainte-Foy (Québec) G1P 4P3

N/Réf. : 7610-06-01-0158422
060006933

Subject : Biological treatment of the « Chlorinated aliphatic volatile, organic compounds »

Dear Sirs,

Following your request for certificate of authorization dated on May 24, 2001, received on May 29, 2001 and completed on January 18, 2002, I hereby authorize, in accordance with section 22 of the Environment Quality Act, the holder above mentioned to carry out the project describes below :

> To treat biologically the 29 substances mentioned under the section « Chlorinated aliphatic volatile, organic compounds » of Schedule I of the Regulation respecting the burial of contaminated soils in the biological treatment center located on a part of the lots 1 250 930 and 2 209 893 of the official cadastral designation of Quebec of the Town of Montréal (district Rivière-des-Prairies/Pointe-aux-Trembles/Montréal-Est) on the territory of the Communauté Métropolitaine de Montréal.

The following documents form integral part of this certificate of authorization:

- Letter to ministère de l'Environnement dated on May 24, 2001, signed by Norman Légaré, constituting the request for certificate of authorization;

- Report entitled « Demande de certificat d'autorisation – Biotraitement des sols contaminés par les hydrocarbures aliphatiques chlorés (HHT) » prepared by the firm Solution Eau Air Sol (EAS) Inc, May 2001, 8 pages and appendices;

- Letter to ministère de l'Environnement, dated on September 19, 2001, signed by Norman Légaré, concerning a modification with the original request, 1 page;

- Letter to ministère de l'Environnement, dated on November 1, 2001, signed by Norman Légaré, concerning a modification with the original request, 1 page.

- Letter to ministère de l'Environnement, dated on January 17, 2002, signed by Norman Légaré, concerning a modification with the original request, 1 page.

In the event of divergence between these documents, the information contained with the most recent document will prevail.

In the event of discrepancy between these documents, the information contained in the most recent document shall prevail.

The project must be carried out and operated in accordance with these documents.

Furthermore, this certificate of authorization does not relieve the holder of the obligation to obtain any other authorization required by law or regulation, where applicable.

For the Minister,

Gérard Cusson
Directeur régional
de Montréal par intérim

If there is a difference between the French original version and the English translation, the French version has precedence.

Montreal, March 15, 2006

Ref.: 7610-06-01-0158422
400293712

AMENDMENT

Solution Eau Air Sol (EAS) inc.
350 rue Franquet
Sainte-Foy, Quebec
GIP 4P3

Dear Sir/Madam:

Subject: Biological treatment of chlorinated aliphatic volatile organic compounds

This amendment applies to the certificate of authorization issued on January 31, 2002, as amended on June 13, 2003 and May 20, 2005, pursuant to Sections 22 and 122.2 of the *Environment Quality Act* (R.S.Q., ch. Q-2), regarding the following project:

> Biological treatment of the 29 substances identified under "Chlorinated aliphatic volatile organic compounds" in Schedule I of the *Regulation Respecting the Burial of Contaminated Soils*, at the biological treatment facility located on parts of Lots 1 250 930 and 2 209 893 of the Quebec official cadastre of the City of Montreal (Rivière-des-Prairies/Pointe-aux-Trembles registration division), within the territory of the Montreal Metropolitan Community.

Further to your application dated November 10, 2005, and received on November 11, 2005, and duly completed on March 9, 2006, I hereby authorize the following amendment, pursuant to Section 122.2 of the Act:

> Addition of ethylene glycol to the list of substances that may be treated at the holder's biological treatment facility for contaminated soils, located on parts of Lots 1 250 930, 1 508 791, 2 209 893 and 2 209 894 of the Quebec cadastre of Montréal-Est.

.../2

The following documents form an integral part of this amendment:

- Letter to the Ministère *du Développement durable, de l'Environnement et des Parcs,* dated November 10, 2005, and signed by Olivier Sylvestre, containing the amendment application (2 pages);
- Letter to the *Ministère du Développement durable, de l'Environnement et des Parcs*, dated March 8, 2006, and signed by Olivier Sylvestre, regarding the amendment application (1 page);
- Report entitled *Traitement biologique des sols contaminés par de l'éthylène glycol*, prepared by Olivier Sylvestre in September 2005 (10 pages and appendices).

In the event of any discrepancies between the original French version and the English translation, the information contained in the French version will prevail.

The amendment shall be carried out in accordance with these documents.

In addition, this amendment to the certificate of authorization does not relieve you of your responsibility to obtain any additional authorization that may be required by law or regulation.

Yours truly,

Hélène Tremblay
Acting Regional Director of Analysis and Expertise
for the Montreal, Laval, Lanaudière and Laurentides Regions,
on behalf of the Minister

Hazardous Waste Treatment Services
Summary of Certificates of Authorization for
SOLUTION Eau Air Sol (EAS) Inc. - Montreal, Quebec Facility

Date	C of A Modification	C of A Number	QMENV Contaminant Class [1]	Specific Contaminants [1]
1993	Construction and operation of a soil recycling center (biological treatment and volatilization) for soils contaminated light hydrocarbons.	7610-06-01-0158410	Integrating Parameters (TPH)	Gasoline, Fuel Oil, Diesel, Crude Oil, etc. C10 to C20
1994	Inclusion of soil contaminated with transformers oils to the authorized list of contaminants.	7610-06-01-0158411	Integrating Parameters (TPH)	Transformer Oils C10 to C50
1995	Inclusion of soil contaminated with used oils to the authorized list of contaminants.	7510-06-01-0158412	Integrating Parameters (TPH)	Used Oils C10 – C30
1996	Inclusion of soil contaminated with all regulated PAH class compounds to the authorized list of contaminants.	7610-06-01-0158416	Polycyclic Aromatic Hydrocarbons	All 28 regulated PAH compounds
1997	Inclusion of soil contaminated with pentachlorophenol (PCP) to the authorized list of contaminants.	7610-06-01-0158418	Phenolic Compounds *Non-chlorinated* *Chlorinated*	Pentachlorophenol (PCP) Chlorinated phenolics compounds Cresols and phenol
2002	Inclusion of soil contaminated with all regulated VOC class compounds to the authorized list of contaminants.	7610-06-01-0158422	Volatile Organic Compounds *Aromatic Monocyclic Hydrocarbons* *Aliphatic Hydrochlorocarbons*	All 9 regulated AMH compounds All 15 regulated AH compounds.
2003	Inclusion of soil contaminated with all regulated chlorobenzene class compounds to the authorized list of contaminants.	7610-06-01-0158422	Chlorobenzenes	All 12 regulated chlorobenzene compounds
2006	Inclusion of soil contaminated with all regulated VOC class compounds to the authorized list of contaminants.	7610-06-01-0158422	Volatile Organic Compounds	Ethylene Glycol
2007	Inclusion of soil contaminated with all chlorinated phenolic compounds, cresol family(ortho,meta,para) and phenol	7610-06-01-0158418	Chlorinated Phenolic Compounds Cresol (ortho, meta, para) Phenol	All 17 regulated chlororinated phenolic compounds, Cresol (Ortho, meta, para) , Phenol

1. List of QMEV Regulated Compounds – QMEV Soil Protection and Contaminated Sites Rehabilitation Policy – Appendix 2/Generic Criteria for Soils and Groundwater; Table 1: Grid of Generic Criteria for Soils