

856.001

October 13, 2017

Ms. Danielle Miles
Division of Hazardous Waste Remediation
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414

Re: Supplemental Investigation - Surface Soil Sampling Investigation
Hornell Waste Site
Site #C851027
Hornell, New York

Dear Ms. Miles:

On September 18, 2017, Leader Professional Services, Inc. ("Leader") completed the Supplemental Surface Soil Sampling along the referenced Site's southernmost property line as requested by the New York State Department of Environmental Conservation ("NYSDEC"). The supplemental sampling addressed concerns by the NYSDEC and New York State Department of Health ("NYSDOH") identified in your letter dated June 9, 2017.

Scope of Work

The scope of work for the Supplemental Investigation Work Plan was to collect surface soil samples along the southernmost property line of the Site.

The scope of work was performed without deviation, with the exception of the field blank sample that was collected after conducting the soil sampling.

Task: 1 Sampling and Analysis

Surface soil samples were collected at an interval of approximately one sample per 100 feet of the property line and the locations were surveyed using hand-held global positioning system equipment with sub-meter accuracy. Figure 1 provides the mapped locations of each sample. Once the soil was disturbed, the soil was screened using a portable hand held organic vapor analyzer with a photoionization detector for volatile organic compounds. Field notes from each location are presented as Appendix 1.

All analytical data was reported as a Category B laboratory data package so it can be validated, however, this data package has not been received at this time.

Task: 2 Health and Safety

The Site's Health and Safety Plan for the project included in the November 2014 Work Plan was followed.

Task 3: Reporting

Following the receipt of the sampling data, Leader will begin to revise the Remedial Investigation Report and Remedial Alternatives Analysis Report, including addressing the comments received in the June 9, 2017 letter from the NYSDEC. Once the final data package is received the Data Usability Summary Report will be updated. The data will also be uploaded into the Equis database system.

Discussion of Results

Eight surface soil samples were collected in addition to one duplicate sample (of sample location 6), matrix spike and matrix spike duplicate (samples 9 and 9A, of sample 8), and a field blank sample. Descriptions of the collected soil, visual observations and PID measurements are provided in Appendix 1. All samples were analyzed as specified in the scope of work and the project's QA/QC plan.

Table 1 provides a copy of the laboratory data received to date. Table 2 summarizes the data (detected compounds only) and compares the results to applicable Title 6 of New York State's Code Rules and Regulations ("NYCRR") Part 375 Soil Cleanup Objectives ("SCO"). The results exceeding the restricted use - commercial SCO ("RUCSCO") are the applicable SCO for the former Hornell Waste site.

As Table 2 indicates compounds exceeding the RUCSCO are shown to be restricted to those soil samples collected from sample locations 2, 3, 5 and 6. The following compounds were found to exceed the RUCSCO:

- Arsenic was found at sample locations #2, #3, and #5 at concentrations ranging from 16.5 milligrams per kilogram ("mg/kg") to 41.5 mg/kg. The RUSCO for arsenic is 16.0 mg/kg.
- Copper was found at sample locations #2, #3, and #5 at concentrations ranging from 288 mg/kg to 492 mg/kg. The RUSCO for copper is 270 mg/kg.
- Benzo(b)fluoranthene was found at sample location #2 at a concentration of 18.0 mg/kg. The RUSCO for benzo(b)fluoranthene is 5.6 mg/kg.
- dibenz(a,h)anthracene was found at sample location #2 at a concentration of 2.2 mg/kg. The RUSCO for benzo(b)fluoranthene is 0.56 mg/kg.
- Indeno(1,2,3-cd)pyrene was found at sample location #2 at a concentration of 9.5 mg/kg. The RUSCO for indeno(1,2,3-cd)pyrene is 5.6 mg/kg.
- PCBs were found at sample locations #2, #3, #5, #6, and #8 ranging in concentrations from 1.3 to 7.91 mg/kg. The RUCSCO for PCBs (total) is 1.0 mg/kg.

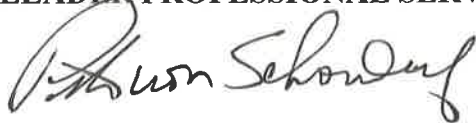
These samples results are also shown on Figure 2 along with other surface soil sample results from the remedial investigation.

A comparison between sample location 6 and its duplicate sample shows consistency between samples for the identification of the individual compounds, but the quantification of the concentration was no consistent. When a compound was identified at concentrations above the laboratory's reporting limit, the concentrations sometimes differed up to 95% of the co-located sample. PCBs for example were found at a total concentration of 4.05 mg/kg in sample 6, but the duplicate sample contained a total PCB concentration of 7.9 mg/kg. Although not an ideal situation, it is understandable given the soil matrix is not composed of uniform grains and particles.

The field blank and trip blank did not indicate any cross-contamination from the field sampling or the sampling handling; although 0.2 micrograms per liter of benzene was found in the trip blank sample. Since the samples were not analyzed for volatile organic compounds, this finding does not detract from the previous soil sampling. The results of the supplemental investigation are in keeping with the results from the completion of the Remedial Investigation field work in April 2015. This information will be added to the revised Remedial Investigation, Remedial Alternatives Analysis Report as needed, and Data Usability Summary Report, in addition to addressing the NYSDEC's comments on the Remedial Investigation Report.

If you have any questions regarding our findings, please give us at call (585) 248-2413.

Sincerely,
LEADER PROFESSIONAL SERVICES, INC.

A handwritten signature in black ink, appearing to read "Peter von Schondorf".

Peter von Schondorf
Project Manager

A handwritten signature in black ink, appearing to read "Michael P. Rumrill".

Michael P. Rumrill
President

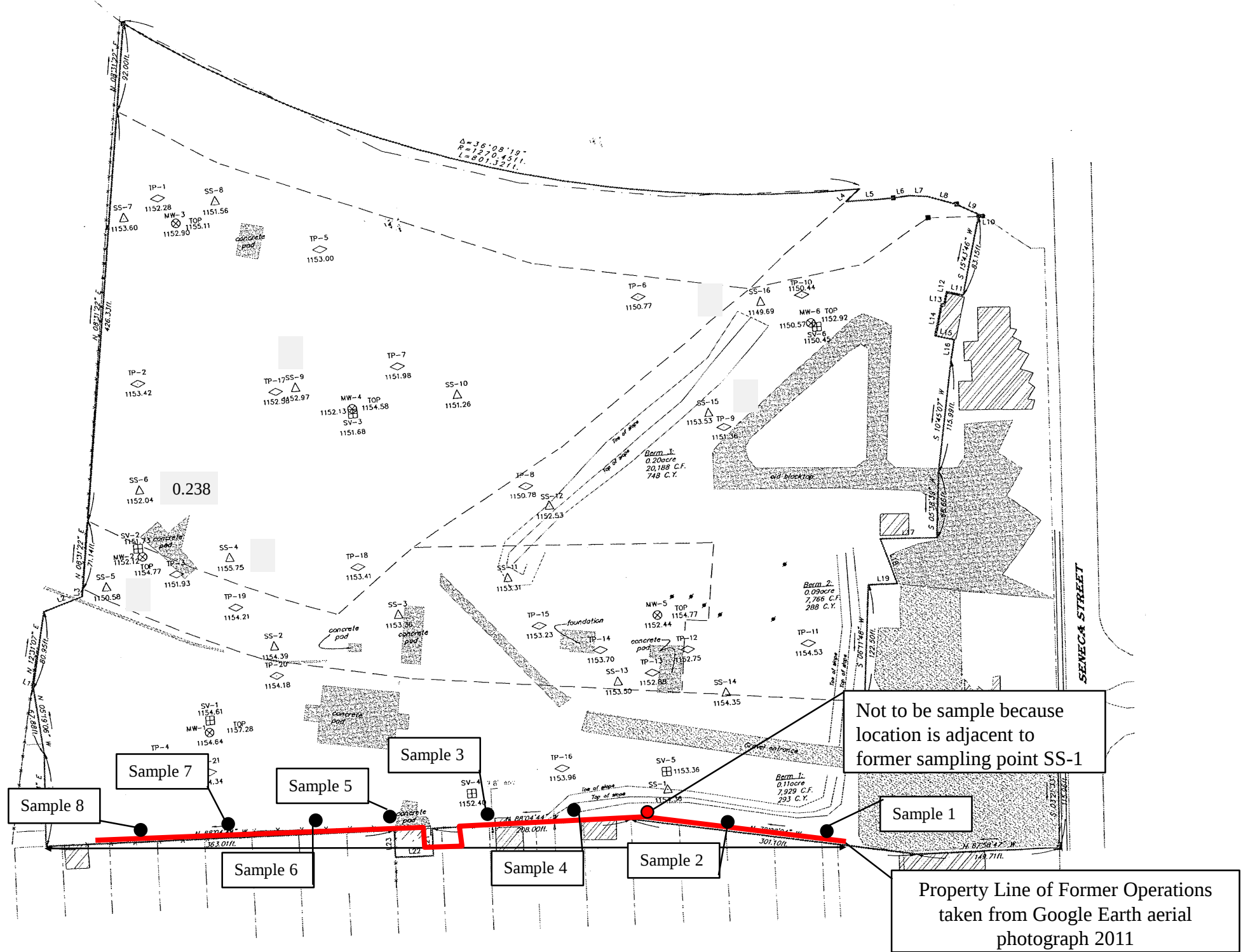
Attachment

ec: Frank Spitulnik, Hornell Site Development, LCC
Frank Sowers, PE – NYSDEC
Wendy Kueher – NYSDOH
Justin Deming – NYSDOH
Alan Knauf, Esq.

Appendix 1
Soil Observations and Portable Organic Vapor Analyzer Results

Sample Location	PID Measurement	Soil Observations
1	0	Sample collected from berm. Mixture of possible fill with fine gravel.
2	0	Sample collected south of berm. Mixture of possible fill and topsoil. Stone and brick visible.
3	0	Sample collected from a mixture of fill and topsoil near existing garage-like building.
4	0	Sample collected from berm containing fill soils and concrete.
5	0	Sample collected from soil adjacent to concrete pad. Scrap wood, plastic drums, and stone on ground in the vicinity of the sample location.
6	0	Sample collected from topsoil and possible fill next to chain linked fence.
7	0	Sample collected from topsoil and possible fill. Some windblown debris and abandoned building materials present.
8	0	Sample collected from topsoil and possible fill. Some brick and concrete on the ground surface.

● Surface soil sample locations



Title
Supplemental Surface Soil Sampling Locations
Former Hornell Waste Materials Company, Inc.
Site #C851027

Prepared For
Hornell Site Development
Arkport, New York


Leader Professional Services, Inc
271 Marsh Road-Suite 2
Pittsford, New York 14534
(585) 248-2413
FAX (585) 248-2834

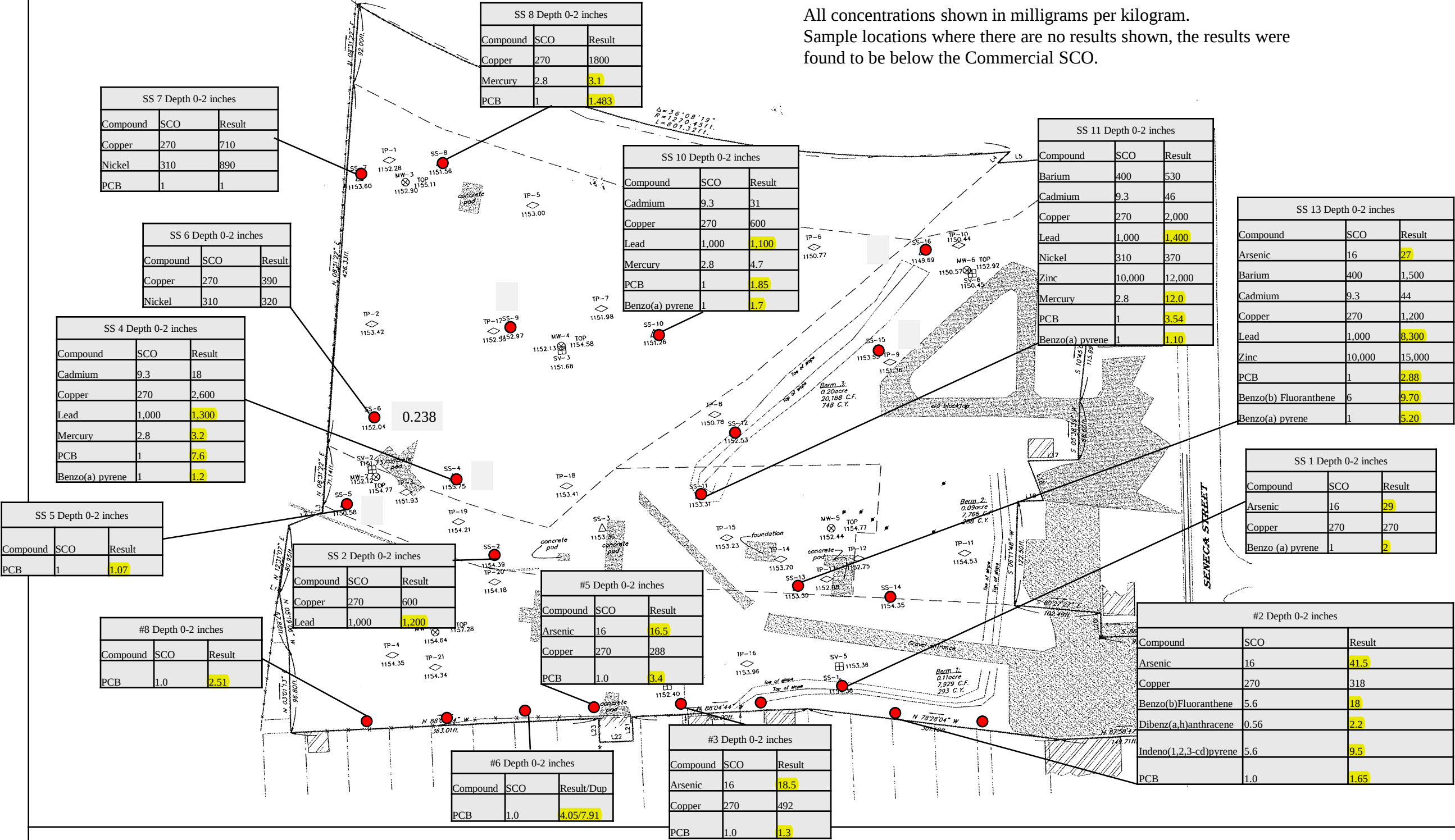
Project
856.001
Date
6/27/2017
Scale
1" = 140'

Drawn
PVS
Checked
MPR
File Name
856.001

Figure
1

● Surface soil sample locations

All concentrations shown in milligrams per kilogram.
Sample locations where there are no results shown, the results were found to be below the Commercial SCO.



Title Surface Soils Exceeding Commercial Soil Cleanup Objectives
Former Hornell Waste Materials Company, Inc.
Site #C851027

Prepared For Hornell Site Development
Arkport, New York



Leader Professional Services, Inc
271 Marsh Road-Suite 2
Pittsford, New York 14534
(585) 248-2413
FAX (585) 248-2834

Project 856.001

Date 10/10/2017

Scale 1" = 177.7'

Drawn PVS

Checked MPR

File Name 856.001

Figure

2

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-1/R1708777-001		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Silver, Total	1500	2	mg/Kg	0.09 U	0.09	1.3
Aluminum, Total	N/A	N/A	mg/Kg	7240	13	13
Arsenic, Total	16	13	mg/Kg	8.7	0.4	1.3
Barium, Total	400	350	mg/Kg	83.8	0.1	2.7
Beryllium, Total	590	7.2	mg/Kg	0.38 J	0.06	0.4
Calcium, Total	N/A	N/A	mg/Kg	25400	70	1300
Cadmium, Total	9.3	2.5	mg/Kg	0.90	0.03	0.67
Cobalt, Total	N/A	N/A	mg/Kg	6.3 J	0.5	6.7
Chromium, Total	N/A	N/A	mg/Kg	16.0	0.2	1.3
Copper, Total	270	50	mg/Kg	50.4	0.7	2.7
Iron, Total	N/A	N/A	mg/Kg	20700	150	160
Potassium, Total	N/A	N/A	mg/Kg	1230	30	270
Magnesium, Total	N/A	N/A	mg/Kg	5140	30	130
Manganese, Total	10000	1600	mg/Kg	532	1.4	2.7
Sodium, Total	N/A	N/A	mg/Kg	110 J	90	130
Nickel, Total	310	30	mg/Kg	24.2	0.98	5.4
Lead, Total	1000	63	mg/Kg	85.5	0.3	6.7
Antimony, Total	N/A	N/A	mg/Kg	1.4 U	1.4	8
Selenium, Total	1500	3.9	mg/Kg	0.6 U	0.6	1.3
Thallium, Total	N/A	N/A	mg/Kg	0.7 U	0.7	1.3
Vanadium, Total	N/A	N/A	mg/Kg	14.1	0.9	6.7

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-1/R1708777-001		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Zinc, Total	10000	110	mg/Kg	172	0.5	2.7
Mercury, Total	2.8	0.18	mg/Kg	0.239	0.013	0.044
4,4'-DDD	92	0.0033	mg/Kg	0.0076 U	0.0076	0.012
4,4'-DDE	62	0.0033	mg/Kg	0.010 J	0.0058	0.012
4,4'-DDT	47	0.0033	mg/Kg	0.020	0.0058	0.012
Aldrin	0.68	0.005	mg/Kg	0.0058 U	0.0058	0.012
Dieldrin	1.4	0.005	mg/Kg	0.0058 U	0.0058	0.012
Endosulfan I	200	2.4	mg/Kg	0.0062 U	0.0062	0.012
Endosulfan II	200	2.4	mg/Kg	0.0063 U	0.0063	0.012
Endosulfan Sulfate	200	2.4	mg/Kg	0.0066 U	0.0066	0.012
Endrin	89	0.014	mg/Kg	0.0070 U	0.007	0.012
Endrin Aldehyde	N/A	N/A	ug/Kg	5.9 U	5.9	12
Endrin Ketone	N/A	N/A	ug/Kg	9.2 U	9.2	12
Heptachlor	15	0.042	mg/Kg	0.0058 U	0.0058	0.012
Heptachlor Epoxide	N/A	N/A	ug/Kg	6.4 U	6.4	12
Methoxychlor	N/A	N/A	ug/Kg	7.2 U	7.2	12
Toxaphene	N/A	N/A	ug/Kg	57 U	57	120
alpha-BHC	3.4	0.02	mg/Kg	0.0058 U	0.0058	0.012
alpha-Chlordane	24	0.094	mg/Kg	0.0058 U	0.0058	0.012
beta-BHC	3	0.036	mg/Kg	0.0062 U	0.0062	0.012
delta-BHC	500	0.04	mg/Kg	0.0058 U	0.0058	0.012

Notes:

Concentrations as shown.

N/A Not applicable.

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Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-1/R1708777-001		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
gamma-BHC (Lindane)	9.2	0.1	mg/Kg	0.0065 U	0.0065	0.012
gamma-Chlordane	N/A	N/A	ug/Kg	5.8 U	5.8	12
Aroclor 1016	N/A	N/A	ug/Kg	24 U	24	45
Aroclor 1221	N/A	N/A	ug/Kg	45 U	45	91
Aroclor 1232	N/A	N/A	ug/Kg	26 U	26	45
Aroclor 1242	N/A	N/A	ug/Kg	24 U	24	45
Aroclor 1248	N/A	N/A	ug/Kg	35 U	35	45
Aroclor 1254	N/A	N/A	ug/Kg	25 U	25	45
Aroclor 1260	N/A	N/A	ug/Kg	60	24	45
Total PCB	1,000	1,000	ug/Kg	60		
1,2,4,5-Tetrachlorobenzene	N/A	N/A	ug/Kg	130 U	130	450
2,3,4,6-Tetrachlorophenol	N/A	N/A	ug/Kg	120 U	120	450
2,4,5-Trichlorophenol	N/A	N/A	ug/Kg	120 U	120	450
2,4,6-Trichlorophenol	N/A	N/A	ug/Kg	120 U	120	450
2,4-Dichlorophenol	N/A	N/A	ug/Kg	92 U	92	450
2,4-Dimethylphenol	N/A	N/A	ug/Kg	85 U	85	450
2,4-Dinitrophenol	N/A	N/A	ug/Kg	84 U	84	2300
2,4-Dinitrotoluene	N/A	N/A	ug/Kg	120 U	120	450
2,6-Dinitrotoluene	N/A	N/A	ug/Kg	160 U	160	450
2-Chloronaphthalene	N/A	N/A	ug/Kg	99 U	99	450
2-Chlorophenol	N/A	N/A	ug/Kg	110 U	110	450

Notes.

Concentrations as shown.

N/A Not applicable.

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Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-1/R1708777-001		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
2-Methylnaphthalene	N/A	N/A	ug/Kg	110 U	110	450
2-Methylphenol	500	0.33	mg/Kg	0.11 U	0.11	0.45
2-Nitroaniline	N/A	N/A	ug/Kg	130 U	130	2300
2-Nitrophenol	N/A	N/A	ug/Kg	110 U	110	450
3,3'-Dichlorobenzidine	N/A	N/A	ug/Kg	140 U	140	450
3- and 4-Methylphenol Coelution	N/A	N/A	ug/Kg	120 U	120	450
3-Nitroaniline	N/A	N/A	ug/Kg	97 U	97	2300
4,6-Dinitro-2-methylphenol	N/A	N/A	ug/Kg	97 U	97	2300
4-Bromophenyl Phenyl Ether	N/A	N/A	ug/Kg	130 U	130	450
4-Chloro-3-methylphenol	N/A	N/A	ug/Kg	110 U	110	450
4-Chloroaniline	N/A	N/A	ug/Kg	54 U	54	450
4-Chlorophenyl Phenyl Ether	N/A	N/A	ug/Kg	110 U	110	450
4-Nitroaniline	N/A	N/A	ug/Kg	99 U	99	2300
4-Nitrophenol	N/A	N/A	ug/Kg	260 U	260	2300
Acenaphthene	500	20	mg/Kg	0.099 U	0.099	0.45
Acenaphthylene	500	100	mg/Kg	0.091 U	0.091	0.45
Acetophenone	N/A	N/A	ug/Kg	160 J	110	450
Anthracene	500	100	mg/Kg	0.087 U	0.087	0.45
Atrazine	N/A	N/A	ug/Kg	130 U	130	450
Benz(a)anthracene	5.6	1	mg/Kg	0.081 J	0.078	0.45
Benzaldehyde	N/A	N/A	ug/Kg	110 U	110	2300

Notes:

Concentrations as shown.

N/A Not applicable.

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Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-1/R1708777-001		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Benzo(a)pyrene	1	1	mg/Kg	0.090 U	0.09	0.45
Benzo(b)fluoranthene	5.6	1	mg/Kg	0.13 J	0.082	0.45
Benzo(g,h,i)perylene	500	100	mg/Kg	0.11 U	0.11	0.45
Benzo(k)fluoranthene	56	0.8	mg/Kg	0.10 U	0.1	0.45
Biphenyl	N/A	N/A	ug/Kg	110 U	110	450
2,2'-Oxybis(1-chloropropane)	N/A	N/A	ug/Kg	110 U	110	450
Bis(2-chloroethoxy)methane	N/A	N/A	ug/Kg	110 U	110	450
Bis(2-chloroethyl) Ether	N/A	N/A	ug/Kg	82 U	82	450
Bis(2-ethylhexyl) Phthalate	N/A	N/A	ug/Kg	620 U	620	680
Butyl Benzyl Phthalate	N/A	N/A	ug/Kg	86 U	86	450
Caprolactam	N/A	N/A	ug/Kg	100 U	100	450
Carbazole	N/A	N/A	ug/Kg	120 U	120	450
Chrysene	56	1	mg/Kg	0.088 J	0.088	0.45
Di-n-butyl Phthalate	N/A	N/A	ug/Kg	150 U	150	450
Di-n-octyl Phthalate	N/A	N/A	ug/Kg	140 U	140	450
Dibenz(a,h)anthracene	0.56	0.33	mg/Kg	0.081 U	0.081	0.45
Dibenzofuran	350	7	mg/Kg	0.092 U	0.092	0.45
Diethyl Phthalate	N/A	N/A	ug/Kg	250 U	250	450
Dimethyl Phthalate	N/A	N/A	ug/Kg	130 U	130	450
Fluoranthene	500	100	mg/Kg	0.14 J	0.11	0.45
Fluorene	500	30	mg/Kg	0.12 U	0.12	0.45

Notes:

Concentrations as shown.

N/A Not applicable.

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TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-1/R1708777-001		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Hexachlorobenzene	6	0.33	mg/Kg	0.11 U	0.11	0.45
Hexachlorobutadiene	N/A	N/A	ug/Kg	76 U	76	450
Hexachlorocyclopentadiene	N/A	N/A	ug/Kg	74 U	74	450
Hexachloroethane	N/A	N/A	ug/Kg	78 U	78	450
Indeno(1,2,3-cd)pyrene	5.6	0.5	mg/Kg	0.099 U	0.099	0.45
Isophorone	N/A	N/A	ug/Kg	97 U	97	450
N-Nitrosodi-n-propylamine	N/A	N/A	ug/Kg	81 U	81	450
N-Nitrosodiphenylamine	N/A	N/A	ug/Kg	200 U	200	450
Naphthalene	500	12	mg/Kg	0.092 U	0.092	0.45
Nitrobenzene	N/A	N/A	ug/Kg	92 U	92	450
Pentachlorophenol (PCP)	6.7	0.8	mg/Kg	0.15 U	0.15	2.3
Phenanthrene	500	100	mg/Kg	0.093 U	0.093	0.45
Phenol	500	0.33	mg/Kg	0.098 U	0.098	0.45
Pyrene	500	100	mg/Kg	0.14 J	0.087	0.45
Cyanide, Total	27	27	mg/Kg	0.24 B	0.02	0.1
Total Solids	N/A	N/A	Percent	73.8		

Notes:

Concentrations as shown.

N/A Not applicable.

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TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-2/R1708777-002		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Silver, Total	1500	2	mg/Kg	1.3	0.09	1.3
Aluminum, Total	N/A	N/A	mg/Kg	5290	12	13
Arsenic, Total	16	13	mg/Kg	41.5	0.4	1.3
Barium, Total	400	350	mg/Kg	226	0.1	2.6
Beryllium, Total	590	7.2	mg/Kg	0.61	0.06	0.39
Calcium, Total	N/A	N/A	mg/Kg	16600	7	130
Cadmium, Total	9.3	2.5	mg/Kg	7.35	0.03	0.64
Cobalt, Total	N/A	N/A	mg/Kg	11.0	0.5	6.4
Chromium, Total	N/A	N/A	mg/Kg	117	0.2	1.3
Copper, Total	270	50	mg/Kg	318	0.7	2.6
Iron, Total	N/A	N/A	mg/Kg	111000	1500	1500
Potassium, Total	N/A	N/A	mg/Kg	830	30	260
Magnesium, Total	N/A	N/A	mg/Kg	3030	30	130
Manganese, Total	10000	1600	mg/Kg	889	1.3	2.6
Sodium, Total	N/A	N/A	mg/Kg	170	90	130
Nickel, Total	310	30	mg/Kg	278	0.9	5.2
Lead, Total	1000	63	mg/Kg	562	0.3	6.4
Antimony, Total	N/A	N/A	mg/Kg	7.1 J	1.3	7.7
Selenium, Total	1500	3.9	mg/Kg	3.1	0.5	1.3
Thallium, Total	N/A	N/A	mg/Kg	7 U	7	13
Vanadium, Total	N/A	N/A	mg/Kg	24.4	0.9	6.4

Notes:

Concentrations as shown.

N/A Not applicable.

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Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-2/R1708777-002		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Zinc, Total	10000	110	mg/Kg	819	4	26
Mercury, Total	2.8	0.18	mg/Kg	1.46	0.013	0.042
4,4'-DDD	92	0.0033	mg/Kg	0.0075 U	0.0075	0.011
4,4'-DDE	62	0.0033	mg/Kg	0.017	0.0057	0.011
4,4'-DDT	47	0.0033	mg/Kg	0.097	0.0057	0.011
Aldrin	0.68	0.005	mg/Kg	0.0057 U	0.0057	0.011
Dieldrin	1.4	0.005	mg/Kg	0.0057 U	0.0057	0.011
Endosulfan I	200	2.4	mg/Kg	0.0061 U	0.0061	0.011
Endosulfan II	200	2.4	mg/Kg	0.032	0.0062	0.011
Endosulfan Sulfate	200	2.4	mg/Kg	0.0065 U	0.0065	0.011
Endrin	89	0.014	mg/Kg	0.023 P	0.0069	0.011
Endrin Aldehyde	N/A	N/A	ug/Kg	5.8 U	5.8	11
Endrin Ketone	N/A	N/A	ug/Kg	9.1 U	9.1	11
Heptachlor	15	0.042	mg/Kg	0.0057 U	0.0057	0.011
Heptachlor Epoxide	N/A	N/A	ug/Kg	6.3 U	6.3	11
Methoxychlor	N/A	N/A	ug/Kg	7.1 U	7.1	11
Toxaphene	N/A	N/A	ug/Kg	56 U	56	110
alpha-BHC	3.4	0.02	mg/Kg	0.0057 U	0.0057	0.011
alpha-Chlordane	24	0.094	mg/Kg	0.0057 U	0.0057	0.011
beta-BHC	3	0.036	mg/Kg	0.0061 U	0.0061	0.011
delta-BHC	500	0.04	mg/Kg	0.0057 U	0.0057	0.011

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

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TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-2/R1708777-002		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
gamma-BHC (Lindane)	9.2	0.1	mg/Kg	0.0064 U	0.0064	0.011
gamma-Chlordane	N/A	N/A	ug/Kg	5.7 U	5.7	11
Aroclor 1016	N/A	N/A	ug/Kg	120 U	120	220
Aroclor 1221	N/A	N/A	ug/Kg	230 U	230	450
Aroclor 1232	N/A	N/A	ug/Kg	130 U	130	220
Aroclor 1242	N/A	N/A	ug/Kg	120 U	120	220
Aroclor 1248	N/A	N/A	ug/Kg	380	180	220
Aroclor 1254	N/A	N/A	ug/Kg	680 P	130	220
Aroclor 1260	N/A	N/A	ug/Kg	590	120	220
Total PCB	1,000	1,000	ug/Kg	1650		
1,2,4,5-Tetrachlorobenzene	N/A	N/A	ug/Kg	640 U	640	2200
2,3,4,6-Tetrachlorophenol	N/A	N/A	ug/Kg	550 U	550	2200
2,4,5-Trichlorophenol	N/A	N/A	ug/Kg	550 U	550	2200
2,4,6-Trichlorophenol	N/A	N/A	ug/Kg	570 U	570	2200
2,4-Dichlorophenol	N/A	N/A	ug/Kg	460 U	460	2200
2,4-Dimethylphenol	N/A	N/A	ug/Kg	420 U	420	2200
2,4-Dinitrophenol	N/A	N/A	ug/Kg	410 U	410	11000
2,4-Dinitrotoluene	N/A	N/A	ug/Kg	580 U	580	2200
2,6-Dinitrotoluene	N/A	N/A	ug/Kg	770 U	770	2200
2-Chloronaphthalene	N/A	N/A	ug/Kg	490 U	490	2200
2-Chlorophenol	N/A	N/A	ug/Kg	540 U	540	2200

Notes.

Concentrations as shown.

N/A Not applicable.

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TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-2/R1708777-002		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
2-Methylnaphthalene	N/A	N/A	ug/Kg	500 U	500	2200
2-Methylphenol	500	0.33	mg/Kg	0.54 U	0.54	2.2
2-Nitroaniline	N/A	N/A	ug/Kg	630 U	630	11000
2-Nitrophenol	N/A	N/A	ug/Kg	500 U	500	2200
3,3'-Dichlorobenzidine	N/A	N/A	ug/Kg	680 U	680	2200
3- and 4-Methylphenol Coelution	N/A	N/A	ug/Kg	560 U	560	2200
3-Nitroaniline	N/A	N/A	ug/Kg	480 U	480	11000
4,6-Dinitro-2-methylphenol	N/A	N/A	ug/Kg	480 U	480	11000
4-Bromophenyl Phenyl Ether	N/A	N/A	ug/Kg	630 U	630	2200
4-Chloro-3-methylphenol	N/A	N/A	ug/Kg	500 U	500	2200
4-Chloroaniline	N/A	N/A	ug/Kg	270 U	270	2200
4-Chlorophenyl Phenyl Ether	N/A	N/A	ug/Kg	530 U	530	2200
4-Nitroaniline	N/A	N/A	ug/Kg	490 U	490	11000
4-Nitrophenol	N/A	N/A	ug/Kg	1300 U	1300	11000
Acenaphthene	500	20	mg/Kg	0.49 U	0.49	2.2
Acenaphthylene	500	100	mg/Kg	4.2	0.45	2.2
Acetophenone	N/A	N/A	ug/Kg	520 U	520	2200
Anthracene	500	100	mg/Kg	4.8	0.43	2.2
Atrazine	N/A	N/A	ug/Kg	600 U	600	2200
Benz(a)anthracene	5.6	1	mg/Kg	14	0.39	2.2
Benzaldehyde	N/A	N/A	ug/Kg	530 U	530	11000

Notes:

Concentrations as shown.

N/A Not applicable.

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Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-2/R1708777-002		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Benzo(a)pyrene	1	1	mg/Kg	13	0.45	2.2
Benzo(b)fluoranthene	5.6	1	mg/Kg	18	0.4	2.2
Benzo(g,h,i)perylene	500	100	mg/Kg	7.6	0.5	2.2
Benzo(k)fluoranthene	56	0.8	mg/Kg	6.4	0.5	2.2
Biphenyl	N/A	N/A	ug/Kg	520 U	520	2200
2,2'-Oxybis(1-chloropropane)	N/A	N/A	ug/Kg	540 U	540	2200
Bis(2-chloroethoxy)methane	N/A	N/A	ug/Kg	510 U	510	2200
Bis(2-chloroethyl) Ether	N/A	N/A	ug/Kg	400 U	400	2200
Bis(2-ethylhexyl) Phthalate	N/A	N/A	ug/Kg	3100 U	3100	3300
Butyl Benzyl Phthalate	N/A	N/A	ug/Kg	420 U	420	2200
Caprolactam	N/A	N/A	ug/Kg	490 U	490	2200
Carbazole	N/A	N/A	ug/Kg	2100 J	550	2200
Chrysene	56	1	mg/Kg	14	0.44	2.2
Di-n-butyl Phthalate	N/A	N/A	ug/Kg	740 U	740	2200
Di-n-octyl Phthalate	N/A	N/A	ug/Kg	660 U	660	2200
Dibenz(a,h)anthracene	0.56	0.33	mg/Kg	2.2	0.4	2.2
Dibenzofuran	350	7	mg/Kg	1.2 J	0.45	2.2
Diethyl Phthalate	N/A	N/A	ug/Kg	1200 U	1200	2200
Dimethyl Phthalate	N/A	N/A	ug/Kg	610 U	610	2200
Fluoranthene	500	100	mg/Kg	30	0.52	2.2
Fluorene	500	30	mg/Kg	1.6 J	0.56	2.2

Notes:

Concentrations as shown.

N/A Not applicable.

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TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-2/R1708777-002		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Hexachlorobenzene	6	0.33	mg/Kg	0.52 U	0.52	2.2
Hexachlorobutadiene	N/A	N/A	ug/Kg	380 U	380	2200
Hexachlorocyclopentadiene	N/A	N/A	ug/Kg	370 U	370	2200
Hexachloroethane	N/A	N/A	ug/Kg	390 U	390	2200
Indeno(1,2,3-cd)pyrene	5.6	0.5	mg/Kg	9.5	0.49	2.2
Isophorone	N/A	N/A	ug/Kg	480 U	480	2200
N-Nitrosodi-n-propylamine	N/A	N/A	ug/Kg	400 U	400	2200
N-Nitrosodiphenylamine	N/A	N/A	ug/Kg	980 U	980	2200
Naphthalene	500	12	mg/Kg	0.45 U	0.45	2.2
Nitrobenzene	N/A	N/A	ug/Kg	450 U	450	2200
Pentachlorophenol (PCP)	6.7	0.8	mg/Kg	0.73 U	0.73	11
Phenanthrene	500	100	mg/Kg	18	0.46	2.2
Phenol	500	0.33	mg/Kg	0.48 U	0.48	2.2
Pyrene	500	100	mg/Kg	27	0.43	2.2
Cyanide, Total	27	27	mg/Kg	0.79	0.02	0.13
Total Solids	N/A	N/A	Percent	74.6		

Notes:

Concentrations as shown.

N/A Not applicable.

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TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-3/R1708777-003		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Silver, Total	1500	2	mg/Kg	0.8 J	0.1	1.4
Aluminum, Total	N/A	N/A	mg/Kg	12700	13	14
Arsenic, Total	16	13	mg/Kg	18.5	0.5	1.4
Barium, Total	400	350	mg/Kg	202	0.2	2.9
Beryllium, Total	590	7.2	mg/Kg	0.63	0.06	0.43
Calcium, Total	N/A	N/A	mg/Kg	27200	8	140
Cadmium, Total	9.3	2.5	mg/Kg	8.18	0.03	0.72
Cobalt, Total	N/A	N/A	mg/Kg	13.3	0.5	7.2
Chromium, Total	N/A	N/A	mg/Kg	98.3	0.2	1.4
Copper, Total	270	50	mg/Kg	492	0.7	2.9
Iron, Total	N/A	N/A	mg/Kg	69400	160	170
Potassium, Total	N/A	N/A	mg/Kg	1830	30	290
Magnesium, Total	N/A	N/A	mg/Kg	7560	30	140
Manganese, Total	10000	1600	mg/Kg	1000	1.5	2.9
Sodium, Total	N/A	N/A	mg/Kg	150	98	140
Nickel, Total	310	30	mg/Kg	100	1	5.7
Lead, Total	1000	63	mg/Kg	700	0.3	7.2
Antimony, Total	N/A	N/A	mg/Kg	18.8	1.5	8.6
Selenium, Total	1500	3.9	mg/Kg	1.2 J	0.6	1.4
Thallium, Total	N/A	N/A	mg/Kg	0.8 U	0.8	1.4
Vanadium, Total	N/A	N/A	mg/Kg	29.1	1	7.2

Notes:

Concentrations as shown.

N/A Not applicable.

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Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-3/R1708777-003		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Zinc, Total	10000	110	mg/Kg	1590	5	29
Mercury, Total	2.8	0.18	mg/Kg	2.55	0.07	0.22
4,4'-DDD	92	0.0033	mg/Kg	0.035	0.0082	0.013
4,4'-DDE	62	0.0033	mg/Kg	0.22	0.0062	0.013
4,4'-DDT	47	0.0033	mg/Kg	0.20	0.0062	0.013
Aldrin	0.68	0.005	mg/Kg	0.0062 U	0.0062	0.013
Dieldrin	1.4	0.005	mg/Kg	0.0062 U	0.0062	0.013
Endosulfan I	200	2.4	mg/Kg	0.013 J	0.0067	0.013
Endosulfan II	200	2.4	mg/Kg	0.023	0.0068	0.013
Endosulfan Sulfate	200	2.4	mg/Kg	0.0072 U	0.0072	0.013
Endrin	89	0.014	mg/Kg	0.051	0.0076	0.013
Endrin Aldehyde	N/A	N/A	ug/Kg	6.4 U	6.4	13
Endrin Ketone	N/A	N/A	ug/Kg	10 U	10	13
Heptachlor	15	0.042	mg/Kg	0.0063 U	0.0063	0.013
Heptachlor Epoxide	N/A	N/A	ug/Kg	27	6.9	13
Methoxychlor	N/A	N/A	ug/Kg	7.8 U	7.8	13
Toxaphene	N/A	N/A	ug/Kg	62 U	62	130
alpha-BHC	3.4	0.02	mg/Kg	0.0062 U	0.0062	0.013
alpha-Chlordane	24	0.094	mg/Kg	0.0083 J	0.0062	0.013
beta-BHC	3	0.036	mg/Kg	0.0068 U	0.0068	0.013
delta-BHC	500	0.04	mg/Kg	0.014	0.0062	0.013

Notes:

Concentrations as shown.

N/A Not applicable.

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Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-3/R1708777-003		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
gamma-BHC (Lindane)	9.2	0.1	mg/Kg	0.0071 U	0.0071	0.013
gamma-Chlordane	N/A	N/A	ug/Kg	11 J	6.2	13
Aroclor 1016	N/A	N/A	ug/Kg	130 U	130	240
Aroclor 1221	N/A	N/A	ug/Kg	250 U	250	490
Aroclor 1232	N/A	N/A	ug/Kg	150 U	150	240
Aroclor 1242	N/A	N/A	ug/Kg	130 U	130	240
Aroclor 1248	N/A	N/A	ug/Kg	510	190	240
Aroclor 1254	N/A	N/A	ug/Kg	140 U	140	240
Aroclor 1260	N/A	N/A	ug/Kg	790	130	240
Total PCB	1,000	1,000	ug/Kg	1,300		
1,2,4,5-Tetrachlorobenzene	N/A	N/A	ug/Kg	710 U	710	2400
2,3,4,6-Tetrachlorophenol	N/A	N/A	ug/Kg	600 U	600	2400
2,4,5-Trichlorophenol	N/A	N/A	ug/Kg	610 U	610	2400
2,4,6-Trichlorophenol	N/A	N/A	ug/Kg	630 U	630	2400
2,4-Dichlorophenol	N/A	N/A	ug/Kg	500 U	500	2400
2,4-Dimethylphenol	N/A	N/A	ug/Kg	470 U	470	2400
2,4-Dinitrophenol	N/A	N/A	ug/Kg	460 U	460	13000
2,4-Dinitrotoluene	N/A	N/A	ug/Kg	640 U	640	2400
2,6-Dinitrotoluene	N/A	N/A	ug/Kg	860 U	860	2400
2-Chloronaphthalene	N/A	N/A	ug/Kg	540 U	540	2400
2-Chlorophenol	N/A	N/A	ug/Kg	590 U	590	2400

Notes.

Concentrations as shown.

N/A Not applicable.

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Surface Soil Sample Results
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Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-3/R1708777-003		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
2-Methylnaphthalene	N/A	N/A	ug/Kg	550 U	550	2400
2-Methylphenol	500	0.33	mg/Kg	0.59 U	0.59	2.4
2-Nitroaniline	N/A	N/A	ug/Kg	700 U	700	13000
2-Nitrophenol	N/A	N/A	ug/Kg	560 U	560	2400
3,3'-Dichlorobenzidine	N/A	N/A	ug/Kg	750 U	750	2400
3- and 4-Methylphenol Coelution	N/A	N/A	ug/Kg	620 U	620	2400
3-Nitroaniline	N/A	N/A	ug/Kg	530 U	530	13000
4,6-Dinitro-2-methylphenol	N/A	N/A	ug/Kg	530 U	530	13000
4-Bromophenyl Phenyl Ether	N/A	N/A	ug/Kg	690 U	690	2400
4-Chloro-3-methylphenol	N/A	N/A	ug/Kg	560 U	560	2400
4-Chloroaniline	N/A	N/A	ug/Kg	290 U	290	2400
4-Chlorophenyl Phenyl Ether	N/A	N/A	ug/Kg	580 U	580	2400
4-Nitroaniline	N/A	N/A	ug/Kg	540 U	540	13000
4-Nitrophenol	N/A	N/A	ug/Kg	1500 U	1500	13000
Acenaphthene	500	20	mg/Kg	0.54 U	0.54	2.4
Acenaphthylene	500	100	mg/Kg	0.50 U	0.5	2.4
Acetophenone	N/A	N/A	ug/Kg	570 U	570	2400
Anthracene	500	100	mg/Kg	0.47 U	0.47	2.4
Atrazine	N/A	N/A	ug/Kg	660 U	660	2400
Benz(a)anthracene	5.6	1	mg/Kg	0.45 J	0.43	2.4
Benzaldehyde	N/A	N/A	ug/Kg	580 U	580	13000

Notes:

Concentrations as shown.

N/A Not applicable.

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		Sample ID./Laboratory ID	Units	S-3/R1708777-003		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Benzo(a)pyrene	1	1	mg/Kg	0.49 U	0.49	2.4
Benzo(b)fluoranthene	5.6	1	mg/Kg	0.82 J	0.45	2.4
Benzo(g,h,i)perylene	500	100	mg/Kg	0.65 J	0.56	2.4
Benzo(k)fluoranthene	56	0.8	mg/Kg	0.55 U	0.55	2.4
Biphenyl	N/A	N/A	ug/Kg	570 U	570	2400
2,2'-Oxybis(1-chloropropane)	N/A	N/A	ug/Kg	600 U	600	2400
Bis(2-chloroethoxy)methane	N/A	N/A	ug/Kg	560 U	560	2400
Bis(2-chloroethyl) Ether	N/A	N/A	ug/Kg	450 U	450	2400
Bis(2-ethylhexyl) Phthalate	N/A	N/A	ug/Kg	3400 U	3400	3700
Butyl Benzyl Phthalate	N/A	N/A	ug/Kg	470 U	470	2400
Caprolactam	N/A	N/A	ug/Kg	540 U	540	2400
Carbazole	N/A	N/A	ug/Kg	610 U	610	2400
Chrysene	56	1	mg/Kg	0.51 J	0.48	2.4
Di-n-butyl Phthalate	N/A	N/A	ug/Kg	820 U	820	2400
Di-n-octyl Phthalate	N/A	N/A	ug/Kg	730 U	730	2400
Dibenz(a,h)anthracene	0.56	0.33	mg/Kg	0.44 U	0.44	2.4
Dibenzofuran	350	7	mg/Kg	0.50 U	0.5	2.4
Diethyl Phthalate	N/A	N/A	ug/Kg	1400 U	1400	2400
Dimethyl Phthalate	N/A	N/A	ug/Kg	670 U	670	2400
Fluoranthene	500	100	mg/Kg	0.79 J	0.58	2.4
Fluorene	500	30	mg/Kg	0.61 U	0.61	2.4

Notes:

Concentrations as shown.

N/A Not applicable.

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Hornell, NY

		Sample ID./Laboratory ID	Units	S-3/R1708777-003		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Hexachlorobenzene	6	0.33	mg/Kg	0.57 U	0.57	2.4
Hexachlorobutadiene	N/A	N/A	ug/Kg	420 U	420	2400
Hexachlorocyclopentadiene	N/A	N/A	ug/Kg	410 U	410	2400
Hexachloroethane	N/A	N/A	ug/Kg	430 U	430	2400
Indeno(1,2,3-cd)pyrene	5.6	0.5	mg/Kg	0.56 J	0.54	2.4
Isophorone	N/A	N/A	ug/Kg	530 U	530	2400
N-Nitrosodi-n-propylamine	N/A	N/A	ug/Kg	450 U	450	2400
N-Nitrosodiphenylamine	N/A	N/A	ug/Kg	1100 U	1100	2400
Naphthalene	500	12	mg/Kg	0.50 U	0.5	2.4
Nitrobenzene	N/A	N/A	ug/Kg	500 U	500	2400
Pentachlorophenol (PCP)	6.7	0.8	mg/Kg	0.81 U	0.81	13
Phenanthrene	500	100	mg/Kg	0.56 J	0.51	2.4
Phenol	500	0.33	mg/Kg	4.8	0.54	2.4
Pyrene	500	100	mg/Kg	0.75 J	0.48	2.4
Cyanide, Total	27	27	mg/Kg	0.26 B	0.02	0.13
Total Solids	N/A	N/A	Percent	67.8		

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

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J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-4/R1708777-004		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Silver, Total	1500	2	mg/Kg	0.1 J	0.09	1.3
Aluminum, Total	N/A	N/A	mg/Kg	10400	12	13
Arsenic, Total	16	13	mg/Kg	11.3	0.4	1.3
Barium, Total	400	350	mg/Kg	130	0.1	2.6
Beryllium, Total	590	7.2	mg/Kg	0.62	0.06	0.39
Calcium, Total	N/A	N/A	mg/Kg	18200	7	130
Cadmium, Total	9.3	2.5	mg/Kg	4.28	0.03	0.65
Cobalt, Total	N/A	N/A	mg/Kg	8.8	0.5	6.5
Chromium, Total	N/A	N/A	mg/Kg	16.0	0.2	1.3
Copper, Total	270	50	mg/Kg	67.4	0.7	2.6
Iron, Total	N/A	N/A	mg/Kg	25400	150	160
Potassium, Total	N/A	N/A	mg/Kg	1500	30	260
Magnesium, Total	N/A	N/A	mg/Kg	4730	30	130
Manganese, Total	10000	1600	mg/Kg	751	1.4	2.6
Sodium, Total	N/A	N/A	mg/Kg	90 J	90	130
Nickel, Total	310	30	mg/Kg	21.8	0.9	5.2
Lead, Total	1000	63	mg/Kg	136	0.3	6.5
Antimony, Total	N/A	N/A	mg/Kg	1.4 U	1.4	7.8
Selenium, Total	1500	3.9	mg/Kg	0.5 U	0.5	1.3
Thallium, Total	N/A	N/A	mg/Kg	0.7 U	0.7	1.3
Vanadium, Total	N/A	N/A	mg/Kg	16.4	0.9	6.5

Notes:

Concentrations as shown.

N/A Not applicable.

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Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-4/R1708777-004		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Zinc, Total	10000	110	mg/Kg	1490	4	26
Mercury, Total	2.8	0.18	mg/Kg	0.541	0.012	0.041
4,4'-DDD	92	0.0033	mg/Kg	0.015 U	0.015	0.023
4,4'-DDE	62	0.0033	mg/Kg	0.56	0.012	0.023
4,4'-DDT	47	0.0033	mg/Kg	0.62	0.012	0.023
Aldrin	0.68	0.005	mg/Kg	0.012 U	0.012	0.023
Dieldrin	1.4	0.005	mg/Kg	0.012 U	0.012	0.023
Endosulfan I	200	2.4	mg/Kg	0.012 U	0.012	0.023
Endosulfan II	200	2.4	mg/Kg	0.013 U	0.013	0.023
Endosulfan Sulfate	200	2.4	mg/Kg	0.013 U	0.013	0.023
Endrin	89	0.014	mg/Kg	0.053	0.014	0.023
Endrin Aldehyde	N/A	N/A	ug/Kg	12 U	12	23
Endrin Ketone	N/A	N/A	ug/Kg	18 U	18	23
Heptachlor	15	0.042	mg/Kg	0.012 U	0.012	0.023
Heptachlor Epoxide	N/A	N/A	ug/Kg	13 U	13	23
Methoxychlor	N/A	N/A	ug/Kg	14 U	14	23
Toxaphene	N/A	N/A	ug/Kg	120 U	120	230
alpha-BHC	3.4	0.02	mg/Kg	0.012 U	0.012	0.023
alpha-Chlordane	24	0.094	mg/Kg	0.012 U	0.012	0.023
beta-BHC	3	0.036	mg/Kg	0.013 U	0.013	0.023
delta-BHC	500	0.04	mg/Kg	0.012 U	0.012	0.023

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

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Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-4/R1708777-004		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
gamma-BHC (Lindane)	9.2	0.1	mg/Kg	0.013 U	0.013	0.023
gamma-Chlordane	N/A	N/A	ug/Kg	12 U	12	23
Aroclor 1016	N/A	N/A	ug/Kg	23 U	23	44
Aroclor 1221	N/A	N/A	ug/Kg	44 U	44	89
Aroclor 1232	N/A	N/A	ug/Kg	26 U	26	44
Aroclor 1242	N/A	N/A	ug/Kg	23 U	23	44
Aroclor 1248	N/A	N/A	ug/Kg	34 U	34	44
Aroclor 1254	N/A	N/A	ug/Kg	24 U	24	44
Aroclor 1260	N/A	N/A	ug/Kg	150	23	44
Total PCB	1,000	1,000	ug/Kg	150		
1,2,4,5-Tetrachlorobenzene	N/A	N/A	ug/Kg	130 U	130	440
2,3,4,6-Tetrachlorophenol	N/A	N/A	ug/Kg	110 U	110	440
2,4,5-Trichlorophenol	N/A	N/A	ug/Kg	110 U	110	440
2,4,6-Trichlorophenol	N/A	N/A	ug/Kg	120 U	120	440
2,4-Dichlorophenol	N/A	N/A	ug/Kg	90 U	90	440
2,4-Dimethylphenol	N/A	N/A	ug/Kg	84 U	84	440
2,4-Dinitrophenol	N/A	N/A	ug/Kg	82 U	82	2300
2,4-Dinitrotoluene	N/A	N/A	ug/Kg	120 U	120	440
2,6-Dinitrotoluene	N/A	N/A	ug/Kg	160 U	160	440
2-Chloronaphthalene	N/A	N/A	ug/Kg	97 U	97	440
2-Chlorophenol	N/A	N/A	ug/Kg	110 U	110	440

Notes.

Concentrations as shown.

N/A Not applicable.

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Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-4/R1708777-004		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
2-Methylnaphthalene	N/A	N/A	ug/Kg	98 U	98	440
2-Methylphenol	500	0.33	mg/Kg	0.11 U	0.11	0.44
2-Nitroaniline	N/A	N/A	ug/Kg	130 U	130	2300
2-Nitrophenol	N/A	N/A	ug/Kg	100 U	100	440
3,3'-Dichlorobenzidine	N/A	N/A	ug/Kg	140 U	140	440
3- and 4-Methylphenol Coelution	N/A	N/A	ug/Kg	110 U	110	440
3-Nitroaniline	N/A	N/A	ug/Kg	95 U	95	2300
4,6-Dinitro-2-methylphenol	N/A	N/A	ug/Kg	95 U	95	2300
4-Bromophenyl Phenyl Ether	N/A	N/A	ug/Kg	130 U	130	440
4-Chloro-3-methylphenol	N/A	N/A	ug/Kg	100 U	100	440
4-Chloroaniline	N/A	N/A	ug/Kg	53 U	53	440
4-Chlorophenyl Phenyl Ether	N/A	N/A	ug/Kg	110 U	110	440
4-Nitroaniline	N/A	N/A	ug/Kg	97 U	97	2300
4-Nitrophenol	N/A	N/A	ug/Kg	260 U	260	2300
Acenaphthene	500	20	mg/Kg	0.097 U	0.097	0.44
Acenaphthylene	500	100	mg/Kg	0.24 J	0.089	0.44
Acetophenone	N/A	N/A	ug/Kg	110 U	110	440
Anthracene	500	100	mg/Kg	0.32 J	0.085	0.44
Atrazine	N/A	N/A	ug/Kg	120 U	120	440
Benz(a)anthracene	5.6	1	mg/Kg	2.0	0.077	0.44
Benzaldehyde	N/A	N/A	ug/Kg	110 U	110	2300

Notes:

Concentrations as shown.

N/A Not applicable.

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Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-4/R1708777-004		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Benzo(a)pyrene	1	1	mg/Kg	1.8	0.088	0.44
Benzo(b)fluoranthene	5.6	1	mg/Kg	3.6	0.08	0.44
Benzo(g,h,i)perylene	500	100	mg/Kg	1.0	0.1	0.44
Benzo(k)fluoranthene	56	0.8	mg/Kg	1.2	0.098	0.44
Biphenyl	N/A	N/A	ug/Kg	110 U	110	440
2,2'-Oxybis(1-chloropropane)	N/A	N/A	ug/Kg	110 U	110	440
Bis(2-chloroethoxy)methane	N/A	N/A	ug/Kg	100 U	100	440
Bis(2-chloroethyl) Ether	N/A	N/A	ug/Kg	80 U	80	440
Bis(2-ethylhexyl) Phthalate	N/A	N/A	ug/Kg	610 U	610	660
Butyl Benzyl Phthalate	N/A	N/A	ug/Kg	84 U	84	440
Caprolactam	N/A	N/A	ug/Kg	97 U	97	440
Carbazole	N/A	N/A	ug/Kg	110 U	110	440
Chrysene	56	1	mg/Kg	2.2	0.086	0.44
Di-n-butyl Phthalate	N/A	N/A	ug/Kg	150 U	150	440
Di-n-octyl Phthalate	N/A	N/A	ug/Kg	140 U	140	440
Dibenz(a,h)anthracene	0.56	0.33	mg/Kg	0.33 J	0.079	0.44
Dibenzofuran	350	7	mg/Kg	0.090 U	0.09	0.44
Diethyl Phthalate	N/A	N/A	ug/Kg	240 U	240	440
Dimethyl Phthalate	N/A	N/A	ug/Kg	120 U	120	440
Fluoranthene	500	100	mg/Kg	1.3	0.11	0.44
Fluorene	500	30	mg/Kg	0.11 U	0.11	0.44

Notes:

Concentrations as shown.

N/A Not applicable.

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Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-4/R1708777-004		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Hexachlorobenzene	6	0.33	mg/Kg	0.11 U	0.11	0.44
Hexachlorobutadiene	N/A	N/A	ug/Kg	74 U	74	440
Hexachlorocyclopentadiene	N/A	N/A	ug/Kg	73 U	73	440
Hexachloroethane	N/A	N/A	ug/Kg	77 U	77	440
Indeno(1,2,3-cd)pyrene	5.6	0.5	mg/Kg	1.3	0.097	0.44
Isophorone	N/A	N/A	ug/Kg	95 U	95	440
N-Nitrosodi-n-propylamine	N/A	N/A	ug/Kg	80 U	80	440
N-Nitrosodiphenylamine	N/A	N/A	ug/Kg	200 U	200	440
Naphthalene	500	12	mg/Kg	0.090 U	0.09	0.44
Nitrobenzene	N/A	N/A	ug/Kg	90 U	90	440
Pentachlorophenol (PCP)	6.7	0.8	mg/Kg	0.15 U	0.15	2.3
Phenanthrene	500	100	mg/Kg	0.091 U	0.091	0.44
Phenol	500	0.33	mg/Kg	0.096 U	0.096	0.44
Pyrene	500	100	mg/Kg	3.0	0.085	0.44
Cyanide, Total	27	27	mg/Kg	0.394 B	0.015	0.095
Total Solids	N/A	N/A	Percent	75.4		

Notes:

Concentrations as shown.

N/A Not applicable.

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TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-5/R1708777-005		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Silver, Total	1500	2	mg/Kg	0.4 J	0.098	1.4
Aluminum, Total	N/A	N/A	mg/Kg	12600	13	14
Arsenic, Total	16	13	mg/Kg	16.5	0.5	1.4
Barium, Total	400	350	mg/Kg	205	0.2	2.8
Beryllium, Total	590	7.2	mg/Kg	0.69	0.06	0.42
Calcium, Total	N/A	N/A	mg/Kg	12500	8	140
Cadmium, Total	9.3	2.5	mg/Kg	4.24	0.03	0.69
Cobalt, Total	N/A	N/A	mg/Kg	11.7	0.5	6.9
Chromium, Total	N/A	N/A	mg/Kg	38.1	0.2	1.4
Copper, Total	270	50	mg/Kg	288	0.7	2.8
Iron, Total	N/A	N/A	mg/Kg	39000	160	170
Potassium, Total	N/A	N/A	mg/Kg	1730	30	280
Magnesium, Total	N/A	N/A	mg/Kg	5370	30	140
Manganese, Total	10000	1600	mg/Kg	758	1.4	2.8
Sodium, Total	N/A	N/A	mg/Kg	120 J	90	140
Nickel, Total	310	30	mg/Kg	42.3	1	5.6
Lead, Total	1000	63	mg/Kg	514	0.3	6.9
Antimony, Total	N/A	N/A	mg/Kg	7.6 J	1.4	8.3
Selenium, Total	1500	3.9	mg/Kg	1.1 J	0.6	1.4
Thallium, Total	N/A	N/A	mg/Kg	0.8 U	0.8	1.4
Vanadium, Total	N/A	N/A	mg/Kg	22.2	0.99	6.9

Notes:

Concentrations as shown.

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Surface Soil Sample Results
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Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-5/R1708777-005		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Zinc, Total	10000	110	mg/Kg	886	5	28
Mercury, Total	2.8	0.18	mg/Kg	1.40	0.014	0.046
4,4'-DDD	92	0.0033	mg/Kg	0.052	0.0078	0.012
4,4'-DDE	62	0.0033	mg/Kg	0.14	0.0059	0.012
4,4'-DDT	47	0.0033	mg/Kg	0.25	0.0059	0.012
Aldrin	0.68	0.005	mg/Kg	0.015	0.0059	0.012
Dieldrin	1.4	0.005	mg/Kg	0.0059 U	0.0059	0.012
Endosulfan I	200	2.4	mg/Kg	0.0063 U	0.0063	0.012
Endosulfan II	200	2.4	mg/Kg	0.030	0.0065	0.012
Endosulfan Sulfate	200	2.4	mg/Kg	0.0068 U	0.0068	0.012
Endrin	89	0.014	mg/Kg	0.072	0.0073	0.012
Endrin Aldehyde	N/A	N/A	ug/Kg	6.1 U	6.1	12
Endrin Ketone	N/A	N/A	ug/Kg	9.5 U	9.5	12
Heptachlor	15	0.042	mg/Kg	0.0060 U	0.006	0.012
Heptachlor Epoxide	N/A	N/A	ug/Kg	26 P	6.6	12
Methoxychlor	N/A	N/A	ug/Kg	30	7.4	12
Toxaphene	N/A	N/A	ug/Kg	59 U	59	120
alpha-BHC	3.4	0.02	mg/Kg	0.0059 U	0.0059	0.012
alpha-Chlordane	24	0.094	mg/Kg	0.012 J	0.0059	0.012
beta-BHC	3	0.036	mg/Kg	0.0064 U	0.0064	0.012
delta-BHC	500	0.04	mg/Kg	0.0059 U	0.0059	0.012

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

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Former Hornell Waste Site
C#851027
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		Sample ID./Laboratory ID	Units	S-5/R1708777-005		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
gamma-BHC (Lindane)	9.2	0.1	mg/Kg	0.0067 U	0.0067	0.012
gamma-Chlordane	N/A	N/A	ug/Kg	5.9 U	5.9	12
Aroclor 1016	N/A	N/A	ug/Kg	120 U	120	230
Aroclor 1221	N/A	N/A	ug/Kg	240 U	240	470
Aroclor 1232	N/A	N/A	ug/Kg	140 U	140	230
Aroclor 1242	N/A	N/A	ug/Kg	120 U	120	230
Aroclor 1248	N/A	N/A	ug/Kg	860	180	230
Aroclor 1254	N/A	N/A	ug/Kg	1600	130	230
Aroclor 1260	N/A	N/A	ug/Kg	940	120	230
Total PCB	1,000	1,000	ug/Kg	3,400		
1,2,4,5-Tetrachlorobenzene	N/A	N/A	ug/Kg	140 U	140	460
2,3,4,6-Tetrachlorophenol	N/A	N/A	ug/Kg	120 U	120	460
2,4,5-Trichlorophenol	N/A	N/A	ug/Kg	120 U	120	460
2,4,6-Trichlorophenol	N/A	N/A	ug/Kg	120 U	120	460
2,4-Dichlorophenol	N/A	N/A	ug/Kg	95 U	95	460
2,4-Dimethylphenol	N/A	N/A	ug/Kg	88 U	88	460
2,4-Dinitrophenol	N/A	N/A	ug/Kg	87 U	87	2400
2,4-Dinitrotoluene	N/A	N/A	ug/Kg	130 U	130	460
2,6-Dinitrotoluene	N/A	N/A	ug/Kg	170 U	170	460
2-Chloronaphthalene	N/A	N/A	ug/Kg	110 U	110	460
2-Chlorophenol	N/A	N/A	ug/Kg	120 U	120	460

Notes.

Concentrations as shown.

N/A Not applicable.

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Hornell, NY

		Sample ID./Laboratory ID	Units	S-5/R1708777-005		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
2-Methylnaphthalene	N/A	N/A	ug/Kg	110 U	110	460
2-Methylphenol	500	0.33	mg/Kg	0.12 U	0.12	0.46
2-Nitroaniline	N/A	N/A	ug/Kg	140 U	140	2400
2-Nitrophenol	N/A	N/A	ug/Kg	110 U	110	460
3,3'-Dichlorobenzidine	N/A	N/A	ug/Kg	150 U	150	460
3- and 4-Methylphenol Coelution	N/A	N/A	ug/Kg	120 U	120	460
3-Nitroaniline	N/A	N/A	ug/Kg	100 U	100	2400
4,6-Dinitro-2-methylphenol	N/A	N/A	ug/Kg	100 U	100	2400
4-Bromophenyl Phenyl Ether	N/A	N/A	ug/Kg	140 U	140	460
4-Chloro-3-methylphenol	N/A	N/A	ug/Kg	110 U	110	460
4-Chloroaniline	N/A	N/A	ug/Kg	56 U	56	460
4-Chlorophenyl Phenyl Ether	N/A	N/A	ug/Kg	110 U	110	460
4-Nitroaniline	N/A	N/A	ug/Kg	110 U	110	2400
4-Nitrophenol	N/A	N/A	ug/Kg	270 U	270	2400
Acenaphthene	500	20	mg/Kg	0.11 U	0.11	0.46
Acenaphthylene	500	100	mg/Kg	0.095 U	0.095	0.46
Acetophenone	N/A	N/A	ug/Kg	110 U	110	460
Anthracene	500	100	mg/Kg	0.13 J	0.09	0.46
Atrazine	N/A	N/A	ug/Kg	130 U	130	460
Benz(a)anthracene	5.6	1	mg/Kg	0.28 J	0.081	0.46
Benzaldehyde	N/A	N/A	ug/Kg	110 U	110	2400

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

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Surface Soil Sample Results
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C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-5/R1708777-005		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Benzo(a)pyrene	1	1	mg/Kg	0.27 J	0.093	0.46
Benzo(b)fluoranthene	5.6	1	mg/Kg	0.43 J	0.085	0.46
Benzo(g,h,i)perylene	500	100	mg/Kg	0.25 J	0.11	0.46
Benzo(k)fluoranthene	56	0.8	mg/Kg	0.14 J	0.11	0.46
Biphenyl	N/A	N/A	ug/Kg	110 U	110	460
2,2'-Oxybis(1-chloropropane)	N/A	N/A	ug/Kg	120 U	120	460
Bis(2-chloroethoxy)methane	N/A	N/A	ug/Kg	110 U	110	460
Bis(2-chloroethyl) Ether	N/A	N/A	ug/Kg	84 U	84	460
Bis(2-ethylhexyl) Phthalate	N/A	N/A	ug/Kg	1200	650	700
Butyl Benzyl Phthalate	N/A	N/A	ug/Kg	88 U	88	460
Caprolactam	N/A	N/A	ug/Kg	110 U	110	460
Carbazole	N/A	N/A	ug/Kg	120 U	120	460
Chrysene	56	1	mg/Kg	0.32 J	0.091	0.46
Di-n-butyl Phthalate	N/A	N/A	ug/Kg	160 U	160	460
Di-n-octyl Phthalate	N/A	N/A	ug/Kg	140 U	140	460
Dibenz(a,h)anthracene	0.56	0.33	mg/Kg	0.084 U	0.084	0.46
Dibenzofuran	350	7	mg/Kg	0.095 U	0.095	0.46
Diethyl Phthalate	N/A	N/A	ug/Kg	260 U	260	460
Dimethyl Phthalate	N/A	N/A	ug/Kg	130 U	130	460
Fluoranthene	500	100	mg/Kg	0.56	0.11	0.46
Fluorene	500	30	mg/Kg	0.12 U	0.12	0.46

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-5/R1708777-005		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Hexachlorobenzene	6	0.33	mg/Kg	0.11 U	0.11	0.46
Hexachlorobutadiene	N/A	N/A	ug/Kg	78 U	78	460
Hexachlorocyclopentadiene	N/A	N/A	ug/Kg	77 U	77	460
Hexachloroethane	N/A	N/A	ug/Kg	81 U	81	460
Indeno(1,2,3-cd)pyrene	5.6	0.5	mg/Kg	0.25 J	0.11	0.46
Isophorone	N/A	N/A	ug/Kg	100 U	100	460
N-Nitrosodi-n-propylamine	N/A	N/A	ug/Kg	84 U	84	460
N-Nitrosodiphenylamine	N/A	N/A	ug/Kg	210 U	210	460
Naphthalene	500	12	mg/Kg	0.095 U	0.095	0.46
Nitrobenzene	N/A	N/A	ug/Kg	95 U	95	460
Pentachlorophenol (PCP)	6.7	0.8	mg/Kg	0.16 U	0.16	2.4
Phenanthrene	500	100	mg/Kg	0.51	0.096	0.46
Phenol	500	0.33	mg/Kg	0.11 U	0.11	0.46
Pyrene	500	100	mg/Kg	0.49	0.09	0.46
Cyanide, Total	27	27	mg/Kg	0.478 B	0.015	0.099
Total Solids	N/A	N/A	Percent	71.3		

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-6/R1708777-006		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Silver, Total	1500	2	mg/Kg	0.09 J	0.09	1.3
Aluminum, Total	N/A	N/A	mg/Kg	11100	12	13
Arsenic, Total	16	13	mg/Kg	10.3	0.4	1.3
Barium, Total	400	350	mg/Kg	119	0.1	2.6
Beryllium, Total	590	7.2	mg/Kg	0.55	0.06	0.39
Calcium, Total	N/A	N/A	mg/Kg	20700	7	130
Cadmium, Total	9.3	2.5	mg/Kg	1.18	0.03	0.65
Cobalt, Total	N/A	N/A	mg/Kg	9.0	0.5	6.5
Chromium, Total	N/A	N/A	mg/Kg	20.2	0.2	1.3
Copper, Total	270	50	mg/Kg	184	0.7	2.6
Iron, Total	N/A	N/A	mg/Kg	26300	150	160
Potassium, Total	N/A	N/A	mg/Kg	1840	30	260
Magnesium, Total	N/A	N/A	mg/Kg	9270	30	130
Manganese, Total	10000	1600	mg/Kg	553	1.4	2.6
Sodium, Total	N/A	N/A	mg/Kg	160	90	130
Nickel, Total	310	30	mg/Kg	24.5	0.9	5.2
Lead, Total	1000	63	mg/Kg	117	0.3	6.5
Antimony, Total	N/A	N/A	mg/Kg	1.4 U	1.4	7.9
Selenium, Total	1500	3.9	mg/Kg	0.5 J	0.5	1.3
Thallium, Total	N/A	N/A	mg/Kg	0.7 U	0.7	1.3
Vanadium, Total	N/A	N/A	mg/Kg	17.3	0.9	6.5

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

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TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-6/R1708777-006		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Zinc, Total	10000	110	mg/Kg	259	0.4	2.6
Mercury, Total	2.8	0.18	mg/Kg	0.377	0.013	0.042
4,4'-DDD	92	0.0033	mg/Kg	0.0073 U	0.0073	0.011
4,4'-DDE	62	0.0033	mg/Kg	0.033	0.0055	0.011
4,4'-DDT	47	0.0033	mg/Kg	0.071	0.0055	0.011
Aldrin	0.68	0.005	mg/Kg	0.050	0.0055	0.011
Dieldrin	1.4	0.005	mg/Kg	0.0055 U	0.0055	0.011
Endosulfan I	200	2.4	mg/Kg	0.0059 U	0.0059	0.011
Endosulfan II	200	2.4	mg/Kg	0.033	0.0061	0.011
Endosulfan Sulfate	200	2.4	mg/Kg	0.0064 U	0.0064	0.011
Endrin	89	0.014	mg/Kg	0.041	0.0068	0.011
Endrin Aldehyde	N/A	N/A	ug/Kg	5.7 U	5.7	11
Endrin Ketone	N/A	N/A	ug/Kg	8.9 U	8.9	11
Heptachlor	15	0.042	mg/Kg	0.0056 U	0.0056	0.011
Heptachlor Epoxide	N/A	N/A	ug/Kg	71	6.1	11
Methoxychlor	N/A	N/A	ug/Kg	6.9 U	6.9	11
Toxaphene	N/A	N/A	ug/Kg	55 U	55	110
alpha-BHC	3.4	0.02	mg/Kg	0.0055 U	0.0055	0.011
alpha-Chlordane	24	0.094	mg/Kg	0.0055 U	0.0055	0.011
beta-BHC	3	0.036	mg/Kg	0.0060 U	0.006	0.011
delta-BHC	500	0.04	mg/Kg	0.0055 U	0.0055	0.011

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-6/R1708777-006		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
gamma-BHC (Lindane)	9.2	0.1	mg/Kg	0.0063 U	0.0063	0.011
gamma-Chlordane	N/A	N/A	ug/Kg	5.5 U	5.5	11
Aroclor 1016	N/A	N/A	ug/Kg	230 U	230	430
Aroclor 1221	N/A	N/A	ug/Kg	440 U	440	880
Aroclor 1232	N/A	N/A	ug/Kg	250 U	250	430
Aroclor 1242	N/A	N/A	ug/Kg	230 U	230	430
Aroclor 1248	N/A	N/A	ug/Kg	1900 J	340	430
Aroclor 1254	N/A	N/A	ug/Kg	1300	240	430
Aroclor 1260	N/A	N/A	ug/Kg	850	230	430
Total PCB	1,000	1,000	ug/Kg	4,050		
1,2,4,5-Tetrachlorobenzene	N/A	N/A	ug/Kg	130 U	130	430
2,3,4,6-Tetrachlorophenol	N/A	N/A	ug/Kg	110 U	110	430
2,4,5-Trichlorophenol	N/A	N/A	ug/Kg	110 U	110	430
2,4,6-Trichlorophenol	N/A	N/A	ug/Kg	120 U	120	430
2,4-Dichlorophenol	N/A	N/A	ug/Kg	88 U	88	430
2,4-Dimethylphenol	N/A	N/A	ug/Kg	82 U	82	430
2,4-Dinitrophenol	N/A	N/A	ug/Kg	80 U	80	2200
2,4-Dinitrotoluene	N/A	N/A	ug/Kg	120 U	120	430
2,6-Dinitrotoluene	N/A	N/A	ug/Kg	150 U	150	430
2-Chloronaphthalene	N/A	N/A	ug/Kg	95 U	95	430
2-Chlorophenol	N/A	N/A	ug/Kg	110 U	110	430

Notes.

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-6/R1708777-006		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
2-Methylnaphthalene	N/A	N/A	ug/Kg	96 U	96	430
2-Methylphenol	500	0.33	mg/Kg	0.11 U	0.11	0.43
2-Nitroaniline	N/A	N/A	ug/Kg	130 U	130	2200
2-Nitrophenol	N/A	N/A	ug/Kg	98 U	98	430
3,3'-Dichlorobenzidine	N/A	N/A	ug/Kg	140 U	140	430
3- and 4-Methylphenol Coelution	N/A	N/A	ug/Kg	110 U	110	430
3-Nitroaniline	N/A	N/A	ug/Kg	93 U	93	2200
4,6-Dinitro-2-methylphenol	N/A	N/A	ug/Kg	93 U	93	2200
4-Bromophenyl Phenyl Ether	N/A	N/A	ug/Kg	130 U	130	430
4-Chloro-3-methylphenol	N/A	N/A	ug/Kg	98 U	98	430
4-Chloroaniline	N/A	N/A	ug/Kg	52 U	52	430
4-Chlorophenyl Phenyl Ether	N/A	N/A	ug/Kg	110 U	110	430
4-Nitroaniline	N/A	N/A	ug/Kg	95 U	95	2200
4-Nitrophenol	N/A	N/A	ug/Kg	250 U	250	2200
Acenaphthene	500	20	mg/Kg	0.095 U	0.095	0.43
Acenaphthylene	500	100	mg/Kg	0.088 U	0.088	0.43
Acetophenone	N/A	N/A	ug/Kg	100 U	100	430
Anthracene	500	100	mg/Kg	0.083 U	0.083	0.43
Atrazine	N/A	N/A	ug/Kg	120 U	120	430
Benz(a)anthracene	5.6	1	mg/Kg	0.16 J	0.075	0.43
Benzaldehyde	N/A	N/A	ug/Kg	110 U	110	2200

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

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TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-6/R1708777-006		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Benzo(a)pyrene	1	1	mg/Kg	0.18 J	0.086	0.43
Benzo(b)fluoranthene	5.6	1	mg/Kg	0.25 J	0.078	0.43
Benzo(g,h,i)perylene	500	100	mg/Kg	0.16 J	0.098	0.43
Benzo(k)fluoranthene	56	0.8	mg/Kg	0.096 U	0.096	0.43
Biphenyl	N/A	N/A	ug/Kg	100 U	100	430
2,2'-Oxybis(1-chloropropane)	N/A	N/A	ug/Kg	110 U	110	430
Bis(2-chloroethoxy)methane	N/A	N/A	ug/Kg	98 U	98	430
Bis(2-chloroethyl) Ether	N/A	N/A	ug/Kg	78 U	78	430
Bis(2-ethylhexyl) Phthalate	N/A	N/A	ug/Kg	5000	600	650
Butyl Benzyl Phthalate	N/A	N/A	ug/Kg	82 U	82	430
Caprolactam	N/A	N/A	ug/Kg	95 U	95	430
Carbazole	N/A	N/A	ug/Kg	110 U	110	430
Chrysene	56	1	mg/Kg	0.19 J	0.084	0.43
Di-n-butyl Phthalate	N/A	N/A	ug/Kg	310 J	150	430
Di-n-octyl Phthalate	N/A	N/A	ug/Kg	130 U	130	430
Dibenz(a,h)anthracene	0.56	0.33	mg/Kg	0.078 U	0.078	0.43
Dibenzofuran	350	7	mg/Kg	0.088 U	0.088	0.43
Diethyl Phthalate	N/A	N/A	ug/Kg	240 U	240	430
Dimethyl Phthalate	N/A	N/A	ug/Kg	790	120	430
Fluoranthene	500	100	mg/Kg	0.31 J	0.11	0.43
Fluorene	500	30	mg/Kg	0.11 U	0.11	0.43

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-6/R1708777-006		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Hexachlorobenzene	6	0.33	mg/Kg	0.10 U	0.1	0.43
Hexachlorobutadiene	N/A	N/A	ug/Kg	73 U	73	430
Hexachlorocyclopentadiene	N/A	N/A	ug/Kg	71 U	71	430
Hexachloroethane	N/A	N/A	ug/Kg	75 U	75	430
Indeno(1,2,3-cd)pyrene	5.6	0.5	mg/Kg	0.14 J	0.095	0.43
Isophorone	N/A	N/A	ug/Kg	93 U	93	430
N-Nitrosodi-n-propylamine	N/A	N/A	ug/Kg	78 U	78	430
N-Nitrosodiphenylamine	N/A	N/A	ug/Kg	200 U	200	430
Naphthalene	500	12	mg/Kg	0.088 U	0.088	0.43
Nitrobenzene	N/A	N/A	ug/Kg	88 U	88	430
Pentachlorophenol (PCP)	6.7	0.8	mg/Kg	0.15 U	0.15	2.2
Phenanthrene	500	100	mg/Kg	0.17 J	0.089	0.43
Phenol	500	0.33	mg/Kg	0.094 U	0.094	0.43
Pyrene	500	100	mg/Kg	0.29 J	0.084	0.43
Cyanide, Total	27	27	mg/Kg	0.201 B	0.015	0.096
Total Solids	N/A	N/A	Percent	76.4		

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-7/R1708777-007		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Silver, Total	1500	2	mg/Kg	0.08 U	0.08	1.2
Aluminum, Total	N/A	N/A	mg/Kg	6470	11	12
Arsenic, Total	16	13	mg/Kg	7.0	0.4	1.2
Barium, Total	400	350	mg/Kg	47.3	0.09	2.4
Beryllium, Total	590	7.2	mg/Kg	0.30 J	0.05	0.36
Calcium, Total	N/A	N/A	mg/Kg	27600	70	1200
Cadmium, Total	9.3	2.5	mg/Kg	0.40 BJ	0.03	0.6
Cobalt, Total	N/A	N/A	mg/Kg	5.0 J	0.4	6
Chromium, Total	N/A	N/A	mg/Kg	9.8	0.2	1.2
Copper, Total	270	50	mg/Kg	30.9	0.6	2.4
Iron, Total	N/A	N/A	mg/Kg	17000	140	140
Potassium, Total	N/A	N/A	mg/Kg	890	30	240
Magnesium, Total	N/A	N/A	mg/Kg	12800	30	120
Manganese, Total	10000	1600	mg/Kg	461	1.3	2.4
Sodium, Total	N/A	N/A	mg/Kg	120	80	120
Nickel, Total	310	30	mg/Kg	12.4	0.9	4.8
Lead, Total	1000	63	mg/Kg	36.7	0.3	6
Antimony, Total	N/A	N/A	mg/Kg	1.3 U	1.3	7.2
Selenium, Total	1500	3.9	mg/Kg	0.5 U	0.5	1.2
Thallium, Total	N/A	N/A	mg/Kg	0.7 U	0.7	1.2
Vanadium, Total	N/A	N/A	mg/Kg	11.5	0.9	6

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

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J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-7/R1708777-007		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Zinc, Total	10000	110	mg/Kg	78.0	0.4	2.4
Mercury, Total	2.8	0.18	mg/Kg	0.042	0.011	0.038
4,4'-DDD	92	0.0033	mg/Kg	0.0068 U	0.0068	0.01
4,4'-DDE	62	0.0033	mg/Kg	0.018	0.0052	0.01
4,4'-DDT	47	0.0033	mg/Kg	0.022	0.0052	0.01
Aldrin	0.68	0.005	mg/Kg	0.0052 U	0.0052	0.01
Dieldrin	1.4	0.005	mg/Kg	0.0052 U	0.0052	0.01
Endosulfan I	200	2.4	mg/Kg	0.0055 U	0.0055	0.01
Endosulfan II	200	2.4	mg/Kg	0.0057 U	0.0057	0.01
Endosulfan Sulfate	200	2.4	mg/Kg	0.0060 U	0.006	0.01
Endrin	89	0.014	mg/Kg	0.0063 U	0.0063	0.01
Endrin Aldehyde	N/A	N/A	ug/Kg	5.3 U	5.3	10
Endrin Ketone	N/A	N/A	ug/Kg	8.3 U	8.3	10
Heptachlor	15	0.042	mg/Kg	0.0052 U	0.0052	0.01
Heptachlor Epoxide	N/A	N/A	ug/Kg	5.7 U	5.7	10
Methoxychlor	N/A	N/A	ug/Kg	6.4 U	6.4	10
Toxaphene	N/A	N/A	ug/Kg	51 U	51	100
alpha-BHC	3.4	0.02	mg/Kg	0.0052 U	0.0052	0.01
alpha-Chlordane	24	0.094	mg/Kg	0.0052 U	0.0052	0.01
beta-BHC	3	0.036	mg/Kg	0.0056 U	0.0056	0.01
delta-BHC	500	0.04	mg/Kg	0.0052 U	0.0052	0.01

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

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J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-7/R1708777-007		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
gamma-BHC (Lindane)	9.2	0.1	mg/Kg	0.0058 U	0.0058	0.01
gamma-Chlordane	N/A	N/A	ug/Kg	5.2 U	5.2	10
Aroclor 1016	N/A	N/A	ug/Kg	21 U	21	40
Aroclor 1221	N/A	N/A	ug/Kg	41 U	41	82
Aroclor 1232	N/A	N/A	ug/Kg	24 U	24	40
Aroclor 1242	N/A	N/A	ug/Kg	21 U	21	40
Aroclor 1248	N/A	N/A	ug/Kg	32 U	32	40
Aroclor 1254	N/A	N/A	ug/Kg	22 U	22	40
Aroclor 1260	N/A	N/A	ug/Kg	21 U	21	40
Total PCB	1,000	1,000	ug/Kg	<182U		
1,2,4,5-Tetrachlorobenzene	N/A	N/A	ug/Kg	590 U	590	2000
2,3,4,6-Tetrachlorophenol	N/A	N/A	ug/Kg	500 U	500	2000
2,4,5-Trichlorophenol	N/A	N/A	ug/Kg	500 U	500	2000
2,4,6-Trichlorophenol	N/A	N/A	ug/Kg	520 U	520	2000
2,4-Dichlorophenol	N/A	N/A	ug/Kg	420 U	420	2000
2,4-Dimethylphenol	N/A	N/A	ug/Kg	380 U	380	2000
2,4-Dinitrophenol	N/A	N/A	ug/Kg	380 U	380	10000
2,4-Dinitrotoluene	N/A	N/A	ug/Kg	520 U	520	2000
2,6-Dinitrotoluene	N/A	N/A	ug/Kg	710 U	710	2000
2-Chloronaphthalene	N/A	N/A	ug/Kg	450 U	450	2000
2-Chlorophenol	N/A	N/A	ug/Kg	490 U	490	2000

Notes.

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-7/R1708777-007		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
2-Methylnaphthalene	N/A	N/A	ug/Kg	450 U	450	2000
2-Methylphenol	500	0.33	mg/Kg	0.49 U	0.49	2
2-Nitroaniline	N/A	N/A	ug/Kg	580 U	580	10000
2-Nitrophenol	N/A	N/A	ug/Kg	460 U	460	2000
3,3'-Dichlorobenzidine	N/A	N/A	ug/Kg	620 U	620	2000
3- and 4-Methylphenol Coelution	N/A	N/A	ug/Kg	510 U	510	2000
3-Nitroaniline	N/A	N/A	ug/Kg	440 U	440	10000
4,6-Dinitro-2-methylphenol	N/A	N/A	ug/Kg	440 U	440	10000
4-Bromophenyl Phenyl Ether	N/A	N/A	ug/Kg	570 U	570	2000
4-Chloro-3-methylphenol	N/A	N/A	ug/Kg	460 U	460	2000
4-Chloroaniline	N/A	N/A	ug/Kg	240 U	240	2000
4-Chlorophenyl Phenyl Ether	N/A	N/A	ug/Kg	480 U	480	2000
4-Nitroaniline	N/A	N/A	ug/Kg	440 U	440	10000
4-Nitrophenol	N/A	N/A	ug/Kg	1200 U	1200	10000
Acenaphthene	500	20	mg/Kg	0.44 U	0.44	2
Acenaphthylene	500	100	mg/Kg	0.41 U	0.41	2
Acetophenone	N/A	N/A	ug/Kg	470 U	470	2000
Anthracene	500	100	mg/Kg	0.39 U	0.39	2
Atrazine	N/A	N/A	ug/Kg	540 U	540	2000
Benz(a)anthracene	5.6	1	mg/Kg	0.35 U	0.35	2
Benzaldehyde	N/A	N/A	ug/Kg	480 U	480	10000

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-7/R1708777-007		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Benzo(a)pyrene	1	1	mg/Kg	0.41 U	0.41	2
Benzo(b)fluoranthene	5.6	1	mg/Kg	0.37 U	0.37	2
Benzo(g,h,i)perylene	500	100	mg/Kg	0.46 U	0.46	2
Benzo(k)fluoranthene	56	0.8	mg/Kg	0.45 U	0.45	2
Biphenyl	N/A	N/A	ug/Kg	470 U	470	2000
2,2'-Oxybis(1-chloropropane)	N/A	N/A	ug/Kg	490 U	490	2000
Bis(2-chloroethoxy)methane	N/A	N/A	ug/Kg	460 U	460	2000
Bis(2-chloroethyl) Ether	N/A	N/A	ug/Kg	370 U	370	2000
Bis(2-ethylhexyl) Phthalate	N/A	N/A	ug/Kg	2800 U	2800	3000
Butyl Benzyl Phthalate	N/A	N/A	ug/Kg	390 U	390	2000
Caprolactam	N/A	N/A	ug/Kg	450 U	450	2000
Carbazole	N/A	N/A	ug/Kg	500 U	500	2000
Chrysene	56	1	mg/Kg	0.40 U	0.4	2
Di-n-butyl Phthalate	N/A	N/A	ug/Kg	670 U	670	2000
Di-n-octyl Phthalate	N/A	N/A	ug/Kg	600 U	600	2000
Dibenz(a,h)anthracene	0.56	0.33	mg/Kg	0.37 U	0.37	2
Dibenzofuran	350	7	mg/Kg	0.41 U	0.41	2
Diethyl Phthalate	N/A	N/A	ug/Kg	1100 U	1100	2000
Dimethyl Phthalate	N/A	N/A	ug/Kg	550 U	550	2000
Fluoranthene	500	100	mg/Kg	0.47 U	0.47	2
Fluorene	500	30	mg/Kg	0.51 U	0.51	2

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-7/R1708777-007		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Hexachlorobenzene	6	0.33	mg/Kg	0.47 U	0.47	2
Hexachlorobutadiene	N/A	N/A	ug/Kg	340 U	340	2000
Hexachlorocyclopentadiene	N/A	N/A	ug/Kg	330 U	330	2000
Hexachloroethane	N/A	N/A	ug/Kg	350 U	350	2000
Indeno(1,2,3-cd)pyrene	5.6	0.5	mg/Kg	0.44 U	0.44	2
Isophorone	N/A	N/A	ug/Kg	440 U	440	2000
N-Nitrosodi-n-propylamine	N/A	N/A	ug/Kg	370 U	370	2000
N-Nitrosodiphenylamine	N/A	N/A	ug/Kg	890 U	890	2000
Naphthalene	500	12	mg/Kg	0.41 U	0.41	2
Nitrobenzene	N/A	N/A	ug/Kg	410 U	410	2000
Pentachlorophenol (PCP)	6.7	0.8	mg/Kg	0.67 U	0.67	10
Phenanthrene	500	100	mg/Kg	0.42 U	0.42	2
Phenol	500	0.33	mg/Kg	0.44 U	0.44	2
Pyrene	500	100	mg/Kg	0.39 U	0.39	2
Cyanide, Total	27	27	mg/Kg	0.178 B	0.015	0.091
Total Solids	N/A	N/A	Percent	82.0		

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-8/R1708777-008		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Silver, Total	1500	2	mg/Kg	0.09 U	0.09	1.3
Aluminum, Total	N/A	N/A	mg/Kg	10100	12	13
Arsenic, Total	16	13	mg/Kg	10.2	0.4	1.3
Barium, Total	400	350	mg/Kg	128	0.1	2.6
Beryllium, Total	590	7.2	mg/Kg	0.56	0.06	0.39
Calcium, Total	N/A	N/A	mg/Kg	8600	7	130
Cadmium, Total	9.3	2.5	mg/Kg	0.60 J	0.03	0.65
Cobalt, Total	N/A	N/A	mg/Kg	8.7	0.5	6.5
Chromium, Total	N/A	N/A	mg/Kg	15.2	0.2	1.3
Copper, Total	270	50	mg/Kg	167	0.7	2.6
Iron, Total	N/A	N/A	mg/Kg	23000	150	160
Potassium, Total	N/A	N/A	mg/Kg	1520	30	260
Magnesium, Total	N/A	N/A	mg/Kg	4000	30	130
Manganese, Total	10000	1600	mg/Kg	488	1.4	2.6
Sodium, Total	N/A	N/A	mg/Kg	100 J	90	130
Nickel, Total	310	30	mg/Kg	20.4	0.9	5.2
Lead, Total	1000	63	mg/Kg	489	0.3	6.5
Antimony, Total	N/A	N/A	mg/Kg	1.5 J	1.4	7.8
Selenium, Total	1500	3.9	mg/Kg	0.5 U	0.5	1.3
Thallium, Total	N/A	N/A	mg/Kg	0.7 U	0.7	1.3
Vanadium, Total	N/A	N/A	mg/Kg	15.8	0.9	6.5

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-8/R1708777-008		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Zinc, Total	10000	110	mg/Kg	173	0.4	2.6
Mercury, Total	2.8	0.18	mg/Kg	0.151	0.013	0.043
4,4'-DDD	92	0.0033	mg/Kg	0.0076 U	0.0076	0.011
4,4'-DDE	62	0.0033	mg/Kg	0.018	0.0057	0.011
4,4'-DDT	47	0.0033	mg/Kg	0.033	0.0057	0.011
Aldrin	0.68	0.005	mg/Kg	0.027	0.0057	0.011
Dieldrin	1.4	0.005	mg/Kg	0.0057 U	0.0057	0.011
Endosulfan I	200	2.4	mg/Kg	0.0061 U	0.0061	0.011
Endosulfan II	200	2.4	mg/Kg	0.020	0.0063	0.011
Endosulfan Sulfate	200	2.4	mg/Kg	0.012	0.0066	0.011
Endrin	89	0.014	mg/Kg	0.024	0.007	0.011
Endrin Aldehyde	N/A	N/A	ug/Kg	5.9 U	5.9	11
Endrin Ketone	N/A	N/A	ug/Kg	9.2 U	9.2	11
Heptachlor	15	0.042	mg/Kg	0.0058 U	0.0058	0.011
Heptachlor Epoxide	N/A	N/A	ug/Kg	40	6.3	11
Methoxychlor	N/A	N/A	ug/Kg	9.9 J	7.1	11
Toxaphene	N/A	N/A	ug/Kg	57 U	57	110
alpha-BHC	3.4	0.02	mg/Kg	0.0057 U	0.0057	0.011
alpha-Chlordane	24	0.094	mg/Kg	0.0057 U	0.0057	0.011
beta-BHC	3	0.036	mg/Kg	0.0062 U	0.0062	0.011
delta-BHC	500	0.04	mg/Kg	0.0057 U	0.0057	0.011

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-8/R1708777-008		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
gamma-BHC (Lindane)	9.2	0.1	mg/Kg	0.0065 U	0.0065	0.011
gamma-Chlordane	N/A	N/A	ug/Kg	5.7 U	5.7	11
Aroclor 1016	N/A	N/A	ug/Kg	120 U	120	220
Aroclor 1221	N/A	N/A	ug/Kg	230 U	230	450
Aroclor 1232	N/A	N/A	ug/Kg	130 U	130	220
Aroclor 1242	N/A	N/A	ug/Kg	120 U	120	220
Aroclor 1248	N/A	N/A	ug/Kg	1100 P	180	220
Aroclor 1254	N/A	N/A	ug/Kg	820	130	220
Aroclor 1260	N/A	N/A	ug/Kg	590	120	220
Total PCB	1,000	1,000	ug/Kg	2,510		
1,2,4,5-Tetrachlorobenzene	N/A	N/A	ug/Kg	130 U	130	450
2,3,4,6-Tetrachlorophenol	N/A	N/A	ug/Kg	110 U	110	450
2,4,5-Trichlorophenol	N/A	N/A	ug/Kg	120 U	120	450
2,4,6-Trichlorophenol	N/A	N/A	ug/Kg	120 U	120	450
2,4-Dichlorophenol	N/A	N/A	ug/Kg	92 U	92	450
2,4-Dimethylphenol	N/A	N/A	ug/Kg	85 U	85	450
2,4-Dinitrophenol	N/A	N/A	ug/Kg	84 U	84	2300
2,4-Dinitrotoluene	N/A	N/A	ug/Kg	120 U	120	450
2,6-Dinitrotoluene	N/A	N/A	ug/Kg	160 U	160	450
2-Chloronaphthalene	N/A	N/A	ug/Kg	99 U	99	450
2-Chlorophenol	N/A	N/A	ug/Kg	110 U	110	450

Notes.

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-8/R1708777-008		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
2-Methylnaphthalene	N/A	N/A	ug/Kg	100 U	100	450
2-Methylphenol	500	0.33	mg/Kg	0.11 U	0.11	0.45
2-Nitroaniline	N/A	N/A	ug/Kg	130 U	130	2300
2-Nitrophenol	N/A	N/A	ug/Kg	110 U	110	450
3,3'-Dichlorobenzidine	N/A	N/A	ug/Kg	140 U	140	450
3- and 4-Methylphenol Coelution	N/A	N/A	ug/Kg	120 U	120	450
3-Nitroaniline	N/A	N/A	ug/Kg	97 U	97	2300
4,6-Dinitro-2-methylphenol	N/A	N/A	ug/Kg	97 U	97	2300
4-Bromophenyl Phenyl Ether	N/A	N/A	ug/Kg	130 U	130	450
4-Chloro-3-methylphenol	N/A	N/A	ug/Kg	110 U	110	450
4-Chloroaniline	N/A	N/A	ug/Kg	54 U	54	450
4-Chlorophenyl Phenyl Ether	N/A	N/A	ug/Kg	110 U	110	450
4-Nitroaniline	N/A	N/A	ug/Kg	99 U	99	2300
4-Nitrophenol	N/A	N/A	ug/Kg	260 U	260	2300
Acenaphthene	500	20	mg/Kg	0.099 U	0.099	0.45
Acenaphthylene	500	100	mg/Kg	0.091 U	0.091	0.45
Acetophenone	N/A	N/A	ug/Kg	110 U	110	450
Anthracene	500	100	mg/Kg	0.086 U	0.086	0.45
Atrazine	N/A	N/A	ug/Kg	130 U	130	450
Benz(a)anthracene	5.6	1	mg/Kg	0.23 J	0.078	0.45
Benzaldehyde	N/A	N/A	ug/Kg	110 U	110	2300

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-8/R1708777-008		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Benzo(a)pyrene	1	1	mg/Kg	0.24 J	0.09	0.45
Benzo(b)fluoranthene	5.6	1	mg/Kg	0.29 J	0.082	0.45
Benzo(g,h,i)perylene	500	100	mg/Kg	0.19 J	0.11	0.45
Benzo(k)fluoranthene	56	0.8	mg/Kg	0.10 J	0.1	0.45
Biphenyl	N/A	N/A	ug/Kg	110 U	110	450
2,2'-Oxybis(1-chloropropane)	N/A	N/A	ug/Kg	110 U	110	450
Bis(2-chloroethoxy)methane	N/A	N/A	ug/Kg	110 U	110	450
Bis(2-chloroethyl) Ether	N/A	N/A	ug/Kg	81 U	81	450
Bis(2-ethylhexyl) Phthalate	N/A	N/A	ug/Kg	4000	620	680
Butyl Benzyl Phthalate	N/A	N/A	ug/Kg	85 U	85	450
Caprolactam	N/A	N/A	ug/Kg	99 U	99	450
Carbazole	N/A	N/A	ug/Kg	120 U	120	450
Chrysene	56	1	mg/Kg	0.23 J	0.088	0.45
Di-n-butyl Phthalate	N/A	N/A	ug/Kg	160 J	150	450
Di-n-octyl Phthalate	N/A	N/A	ug/Kg	140 U	140	450
Dibenz(a,h)anthracene	0.56	0.33	mg/Kg	0.081 U	0.081	0.45
Dibenzofuran	350	7	mg/Kg	0.092 U	0.092	0.45
Diethyl Phthalate	N/A	N/A	ug/Kg	250 U	250	450
Dimethyl Phthalate	N/A	N/A	ug/Kg	410 J	130	450
Fluoranthene	500	100	mg/Kg	0.49	0.11	0.45
Fluorene	500	30	mg/Kg	0.12 U	0.12	0.45

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-8/R1708777-008		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Hexachlorobenzene	6	0.33	mg/Kg	0.11 U	0.11	0.45
Hexachlorobutadiene	N/A	N/A	ug/Kg	76 U	76	450
Hexachlorocyclopentadiene	N/A	N/A	ug/Kg	74 U	74	450
Hexachloroethane	N/A	N/A	ug/Kg	78 U	78	450
Indeno(1,2,3-cd)pyrene	5.6	0.5	mg/Kg	0.18 J	0.099	0.45
Isophorone	N/A	N/A	ug/Kg	97 U	97	450
N-Nitrosodi-n-propylamine	N/A	N/A	ug/Kg	81 U	81	450
N-Nitrosodiphenylamine	N/A	N/A	ug/Kg	200 U	200	450
Naphthalene	500	12	mg/Kg	0.092 U	0.092	0.45
Nitrobenzene	N/A	N/A	ug/Kg	92 U	92	450
Pentachlorophenol (PCP)	6.7	0.8	mg/Kg	0.15 U	0.15	2.3
Phenanthrene	500	100	mg/Kg	0.29 J	0.093	0.45
Phenol	500	0.33	mg/Kg	0.098 U	0.098	0.45
Pyrene	500	100	mg/Kg	0.45 J	0.087	0.45
Cyanide, Total	27	27	mg/Kg	0.31 B	0.02	0.12
Total Solids	N/A	N/A	Percent	73.7		

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-6Duplicate/R1708777-009		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Silver, Total	1500	2	mg/Kg	0.1 J	0.09	1.2
Aluminum, Total	N/A	N/A	mg/Kg	10600	12	12
Arsenic, Total	16	13	mg/Kg	10.2	0.4	1.2
Barium, Total	400	350	mg/Kg	145	0.09	2.5
Beryllium, Total	590	7.2	mg/Kg	0.55	0.05	0.37
Calcium, Total	N/A	N/A	mg/Kg	13600	7	120
Cadmium, Total	9.3	2.5	mg/Kg	1.98	0.03	0.61
Cobalt, Total	N/A	N/A	mg/Kg	9.5	0.5	6.1
Chromium, Total	N/A	N/A	mg/Kg	27.6	0.2	1.2
Copper, Total	270	50	mg/Kg	201	0.6	2.5
Iron, Total	N/A	N/A	mg/Kg	40000	140	150
Potassium, Total	N/A	N/A	mg/Kg	1560	30	250
Magnesium, Total	N/A	N/A	mg/Kg	5530	30	120
Manganese, Total	10000	1600	mg/Kg	591	1.3	2.5
Sodium, Total	N/A	N/A	mg/Kg	120	80	120
Nickel, Total	310	30	mg/Kg	29.1	0.9	4.9
Lead, Total	1000	63	mg/Kg	163	0.3	6.1
Antimony, Total	N/A	N/A	mg/Kg	1.4 J	1.3	7.4
Selenium, Total	1500	3.9	mg/Kg	1.1 J	0.5	1.2
Thallium, Total	N/A	N/A	mg/Kg	0.7 U	0.7	1.2
Vanadium, Total	N/A	N/A	mg/Kg	17.5	0.9	6.1

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

RL = Laboratory reporting limit.

J = Detect above the MDL but below the RL.

J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-6Duplicate/R1708777-009		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Zinc, Total	10000	110	mg/Kg	383	0.4	2.5
Mercury, Total	2.8	0.18	mg/Kg	0.333	0.012	0.04
4,4'-DDD	92	0.0033	mg/Kg	0.0071 U	0.0071	0.011
4,4'-DDE	62	0.0033	mg/Kg	0.047	0.0053	0.011
4,4'-DDT	47	0.0033	mg/Kg	0.10 P	0.0053	0.011
Aldrin	0.68	0.005	mg/Kg	0.068	0.0053	0.011
Dieldrin	1.4	0.005	mg/Kg	0.0053 U	0.0053	0.011
Endosulfan I	200	2.4	mg/Kg	0.0057 U	0.0057	0.011
Endosulfan II	200	2.4	mg/Kg	0.046	0.0059	0.011
Endosulfan Sulfate	200	2.4	mg/Kg	0.0062 U	0.0062	0.011
Endrin	89	0.014	mg/Kg	0.060	0.0065	0.011
Endrin Aldehyde	N/A	N/A	ug/Kg	5.5 U	5.5	11
Endrin Ketone	N/A	N/A	ug/Kg	8.6 U	8.6	11
Heptachlor	15	0.042	mg/Kg	0.0054 U	0.0054	0.011
Heptachlor Epoxide	N/A	N/A	ug/Kg	94	5.9	11
Methoxychlor	N/A	N/A	ug/Kg	6.7 U	6.7	11
Toxaphene	N/A	N/A	ug/Kg	53 U	53	110
alpha-BHC	3.4	0.02	mg/Kg	0.0053 U	0.0053	0.011
alpha-Chlordane	24	0.094	mg/Kg	0.0053 U	0.0053	0.011
beta-BHC	3	0.036	mg/Kg	0.0058 U	0.0058	0.011
delta-BHC	500	0.04	mg/Kg	0.0053 U	0.0053	0.011

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

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TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-6Duplicate/R1708777-009		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
gamma-BHC (Lindane)	9.2	0.1	mg/Kg	0.0060 U	0.006	0.011
gamma-Chlordane	N/A	N/A	ug/Kg	5.3 U	5.3	11
Aroclor 1016	N/A	N/A	ug/Kg	220 U	220	420
Aroclor 1221	N/A	N/A	ug/Kg	420 U	420	850
Aroclor 1232	N/A	N/A	ug/Kg	250 U	250	420
Aroclor 1242	N/A	N/A	ug/Kg	220 U	220	420
Aroclor 1248	N/A	N/A	ug/Kg	2600	330	420
Aroclor 1254	N/A	N/A	ug/Kg	1700	230	420
Aroclor 1260	N/A	N/A	ug/Kg	1100	220	420
Total PCB	1,000	1,000	ug/Kg	5,400		
1,2,4,5-Tetrachlorobenzene	N/A	N/A	ug/Kg	130 U	130	410
2,3,4,6-Tetrachlorophenol	N/A	N/A	ug/Kg	110 U	110	410
2,4,5-Trichlorophenol	N/A	N/A	ug/Kg	110 U	110	410
2,4,6-Trichlorophenol	N/A	N/A	ug/Kg	110 U	110	410
2,4-Dichlorophenol	N/A	N/A	ug/Kg	86 U	86	410
2,4-Dimethylphenol	N/A	N/A	ug/Kg	79 U	79	410
2,4-Dinitrophenol	N/A	N/A	ug/Kg	78 U	78	2100
2,4-Dinitrotoluene	N/A	N/A	ug/Kg	110 U	110	410
2,6-Dinitrotoluene	N/A	N/A	ug/Kg	150 U	150	410
2-Chloronaphthalene	N/A	N/A	ug/Kg	92 U	92	410
2-Chlorophenol	N/A	N/A	ug/Kg	110 U	110	410

Notes.

Concentrations as shown.

N/A Not applicable.

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Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-6Duplicate/R1708777-009		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
2-Methylnaphthalene	N/A	N/A	ug/Kg	93 U	93	410
2-Methylphenol	500	0.33	mg/Kg	0.11 U	0.11	0.41
2-Nitroaniline	N/A	N/A	ug/Kg	120 U	120	2100
2-Nitrophenol	N/A	N/A	ug/Kg	94 U	94	410
3,3'-Dichlorobenzidine	N/A	N/A	ug/Kg	130 U	130	410
3- and 4-Methylphenol Coelution	N/A	N/A	ug/Kg	110 U	110	410
3-Nitroaniline	N/A	N/A	ug/Kg	90 U	90	2100
4,6-Dinitro-2-methylphenol	N/A	N/A	ug/Kg	90 U	90	2100
4-Bromophenyl Phenyl Ether	N/A	N/A	ug/Kg	120 U	120	410
4-Chloro-3-methylphenol	N/A	N/A	ug/Kg	95 U	95	410
4-Chloroaniline	N/A	N/A	ug/Kg	50 U	50	410
4-Chlorophenyl Phenyl Ether	N/A	N/A	ug/Kg	99 U	99	410
4-Nitroaniline	N/A	N/A	ug/Kg	92 U	92	2100
4-Nitrophenol	N/A	N/A	ug/Kg	250 U	250	2100
Acenaphthene	500	20	mg/Kg	0.092 U	0.092	0.41
Acenaphthylene	500	100	mg/Kg	0.085 U	0.085	0.41
Acetophenone	N/A	N/A	ug/Kg	97 U	97	410
Anthracene	500	100	mg/Kg	0.080 U	0.08	0.41
Atrazine	N/A	N/A	ug/Kg	120 U	120	410
Benz(a)anthracene	5.6	1	mg/Kg	0.26 J	0.073	0.41
Benzaldehyde	N/A	N/A	ug/Kg	99 U	99	2100

Notes:

Concentrations as shown.

N/A Not applicable.

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TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-6Duplicate/R1708777-009		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Benzo(a)pyrene	1	1	mg/Kg	0.22 J	0.084	0.41
Benzo(b)fluoranthene	5.6	1	mg/Kg	0.30 J	0.076	0.41
Benzo(g,h,i)perylene	500	100	mg/Kg	0.16 J	0.095	0.41
Benzo(k)fluoranthene	56	0.8	mg/Kg	0.10 J	0.093	0.41
Biphenyl	N/A	N/A	ug/Kg	97 U	97	410
2,2'-Oxybis(1-chloropropane)	N/A	N/A	ug/Kg	110 U	110	410
Bis(2-chloroethoxy)methane	N/A	N/A	ug/Kg	95 U	95	410
Bis(2-chloroethyl) Ether	N/A	N/A	ug/Kg	76 U	76	410
Bis(2-ethylhexyl) Phthalate	N/A	N/A	ug/Kg	3900	580	630
Butyl Benzyl Phthalate	N/A	N/A	ug/Kg	79 U	79	410
Caprolactam	N/A	N/A	ug/Kg	92 U	92	410
Carbazole	N/A	N/A	ug/Kg	110 U	110	410
Chrysene	56	1	mg/Kg	0.27 J	0.082	0.41
Di-n-butyl Phthalate	N/A	N/A	ug/Kg	220 J	140	410
Di-n-octyl Phthalate	N/A	N/A	ug/Kg	130 U	130	410
Dibenz(a,h)anthracene	0.56	0.33	mg/Kg	0.075 U	0.075	0.41
Dibenzofuran	350	7	mg/Kg	0.085 U	0.085	0.41
Diethyl Phthalate	N/A	N/A	ug/Kg	230 U	230	410
Dimethyl Phthalate	N/A	N/A	ug/Kg	880	120	410
Fluoranthene	500	100	mg/Kg	0.61	0.098	0.41
Fluorene	500	30	mg/Kg	0.11 U	0.11	0.41

Notes:

Concentrations as shown.

N/A Not applicable.

U= Compound not detected above method detection limit (MDL).

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J= Value shown is above the MDL but lower than the RL.

TABLE 1
Surface Soil Sample Results
Hornell Land Development
Former Hornell Waste Site
C#851027
Hornell, NY

		Sample ID./Laboratory ID	Units	S-6Duplicate/R1708777-009		
ANALYTE	375-6.8 SCO-Restricted Use-Commercial	375-6.8 SCO-Unrestricted Use	Units	RESULT	MDL	RL
Hexachlorobenzene	6	0.33	mg/Kg	0.097 U	0.097	0.41
Hexachlorobutadiene	N/A	N/A	ug/Kg	70 U	70	410
Hexachlorocyclopentadiene	N/A	N/A	ug/Kg	69 U	69	410
Hexachloroethane	N/A	N/A	ug/Kg	73 U	73	410
Indeno(1,2,3-cd)pyrene	5.6	0.5	mg/Kg	0.15 J	0.092	0.41
Isophorone	N/A	N/A	ug/Kg	90 U	90	410
N-Nitrosodi-n-propylamine	N/A	N/A	ug/Kg	76 U	76	410
N-Nitrosodiphenylamine	N/A	N/A	ug/Kg	190 U	190	410
Naphthalene	500	12	mg/Kg	0.085 U	0.085	0.41
Nitrobenzene	N/A	N/A	ug/Kg	85 U	85	410
Pentachlorophenol (PCP)	6.7	0.8	mg/Kg	0.14 U	0.14	2.1
Phenanthrene	500	100	mg/Kg	0.25 J	0.086	0.41
Phenol	500	0.33	mg/Kg	0.091 U	0.091	0.41
Pyrene	500	100	mg/Kg	0.55	0.081	0.41
Cyanide, Total	27	27	mg/Kg	0.29 B	0.02	0.1
Total Solids	N/A	N/A	Percent	79.1		

Notes:

Concentrations as shown.

N/A Not applicable.

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J= Value shown is above the MDL but lower than the RL.

TABLE 2
Surface Soil Results Exceeding Restricted Use - Commercial Soil Cleanup Objectives Hornell Site Development
Former Hornell Waste Site
Site #C851027
Hornell, NY

ANALYTE	375-6.8 RestrictedUse- Commercial	Sample: #1/ R1708777-001	Sample: #2/ R1708777-002	Sample: #3/ R1708777-003	Sample: #4/ R1708777-004	Sample: #5/ R1708777-005	Sample: #6/ R1708777-006	Sample: #8/ R1708777-008
Arsenic, Total	16	8.7	41.5	18.5	11.3	16.5	16.5	16.5
Copper, Total	270	50.4	318	492	67.4	288	288	288
Benz(a)anthracene	5.6	0.081J	14	0.45J	2	0.28J	0.16J	0.23J
Benzo(a)pyrene	1	0.09U	13	0.49U	1.8	0.27J	0.18J	0.24J
Benzo(b)fluoranthene	5.6	0.13J	18	0.82J	3.6	0.43J	0.25J	0.29J
Dibenz(a,h)anthracene	0.56	0.081U	2.2	0.44U	0.33J	0.084U	0.078U	0.081U
Indeno(1,2,3-cd)pyrene	5.6	0.099U	9.5	0.56J	1.3	0.25J	0.14J	0.18J
PCBs	1	0.06	1.65	1.3	0.15	3.4	4.05	2.51

Notes:

All values shown in units of milligrams per kilogram.

U =Compound not detected above the method detection limit (MDL).

J= Value shown is above the MDL but lower than the laboratory reporting limit.