Chromium was found exceeding only unrestricted SCOs (30 ppm) in B-03, B-06, B-07, and B-09 ranging from 53.0 ppm to 490 ppm. Copper was found exceeding unrestricted SCOs (50 ppm) in B-08 and B-09 with concentrations of 310 ppm and 58.0 ppm, respectively. Lead was found exceeding unrestricted SCOs (63 ppm) in B-03, B-06, B-08, and B-09 ranging from 90 ppm to 680 ppm. Mercury was found exceeding unrestricted SCOs (0.18 ppm) in B-02, B-03, B-07, B-08, B-09, and B-10 ranging from 0.180 ppm to 3.60 ppm. Nickel was found exceeding unrestricted SCOs (30 ppm) in B-01 and B-08 with concentrations of 32.0 ppm and 68.0 ppm, respectively. Zinc was found exceeding unrestricted SCOs (109 ppm) in B-03, B-06, B-07, B-08, B-09, and B-10 ranging from 110 ppm to 1100 ppm. Table 3A summarizes the metals analytical results for subsurface soil samples.

3.2.4 Polychlorinated Biphenyls

Subsurface soil samples contained concentrations of Aroclor 1254 and Aroclor 1260. Total PCBs were found exceeding unrestricted SCOs (0.1 ppm) in B-06 and B-09 with concentrations of 0.3570 ppm and 1.480 ppm, respectively. No samples contained total PCBs exceeding industrial SCOs. Table 4A summarizes the PCBs analytical results for subsurface soil samples.

3.2.5 Pesticides

Subsurface soil samples contained concentrations of aldrin, alpha-BHC, beta-BHC, delta-BHC, 4,4-DDT, 4,4-DDD, Dieldrin, Endosulfan II, and Methoxyclor. Dieldrin was found exceeding unrestricted ~~and industrial~~ SCOs (0.005 ppm ~~and 0.006 ppm, respectively~~) in B-03, B-06, and B-07 ranging from 0.00550 ppm to 0.0270 ppm. Aldrin was found exceeding only unrestricted SCOs (0.005 ppm) in B-03 with a concentration of 0.013 ppm. Alpha-BHC was found exceeding unrestricted SCOs (0.02 ppm) in B-06 with a concentration of 0.030 ppm. Table 5A summarizes the pesticides analytical data for subsurface soil samples.

3.3 SURFACE SOIL SAMPLE RESULTS

The surface soil analytical results reported are organized by parameters tested: VOCs, SVOCs, PCBs, metals, and pesticides.

3.3.1 Volatile Organic Compounds

Surface soil samples contained concentrations of acetone, carbon disulfide, and methylene chloride. Acetone was found exceeding unrestricted SCOs in S-03 with a concentration of 0.080 ppm. No samples contained VOCs exceeding industrial SCOs. Analytical results for VOCs in surface soil samples are summarized in Table 1.

3.3.2 Semivolatile Organic Compounds

Surface soil samples contained concentrations of many SVOC compounds. Benzo[a]pyrene was found exceeding unrestricted and industrial SCOs (1 ppm and 1.1 ppm, respectively) in S-05, S-06, S-07, S-08, and S-09 ranging from 1.80 ppm to 5.30 ppm. Acenaphthylene was found

exceeding unrestricted SCOs (100 ppm) in S-09 with a concentration of 590 ppm. Benzo[a]anthracene was found exceeding unrestricted SCOs (1 ppm) in S-05, S-06, S-07, S-08, and S-09 ranging from 1.60 ppm to 5.50 ppm. Benzo[b]fluoranthene was found exceeding unrestricted SCOs (1 ppm) in S-05, S-06, S-07, S-08, S-09, S-10, and S-12 ranging from 1.20 ppm to 9.40 ppm. Benzo[k]fluoranthene was found exceeding unrestricted SCOs (0.8 ppm) in S-05, S-06, S-07, S-08, and S-09 ranging from 1.0 ppm to 3.50 ppm. Chrysene was found exceeding unrestricted SCOs (1 ppm) in S-05, S-06, S-07, S-08, and S-09 ranging from 1.70 ppm to 5.20 ppm. Dibenz[a,h]anthracene was found exceeding unrestricted SCOs (0.33 ppm) in S-07 and S-09 with concentrations of 0.480 ppm and 0.570 ppm, respectively. Analytical results for SVOCs in surface soil samples are summarized in Table 2.

3.3.3 Metals

Surface soil samples contained concentrations of aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, vanadium, and zinc. Mercury was found exceeding unrestricted and industrial SCOs (0.18 ppm and 5.7 ppm, respectively) in S-05 with a concentration of 8.60 ppm. Chromium was found exceeding only unrestricted SCOs (30 ppm) in S-07 and S-12 with concentrations of 30.0 ppm and 40 ppm, respectively. Copper was found exceeding unrestricted SCOs (50 ppm) in S-12 with a concentration of 59 ppm. Lead was found exceeding unrestricted SCOs (63 ppm) in S-01, S-02, S-03, S-07, S-10, and S-12 ranging from 80 ppm to 190 ppm. Mercury was found exceeding unrestricted SCOs (0.18 ppm) in S-07, S-08, S-09, S-10, S-11, and S-12 ranging from 0.210 ppm to 1.30 ppm. Zinc was found exceeding unrestricted SCOs (109 ppm) in S-01, S-02, S-03, S-04, S-05, S-06, S-07, S-09, S-10, and S-12 ranging from 140 ppm to 420 ppm. The analytical results for metals in surface soil samples are summarized in Table 3.

3.3.4 Polychlorinated Biphenyls

Surface soil samples contained concentrations of Aroclor 1254. Total PCBs were found exceeding unrestricted SCOs (0.1 ppm) in S-05, S-06, S-09, and S-12 ranging from 0.1120 ppm to 0.2950 ppm. No samples contained total PCBs exceeding industrial SCOs. The analytical results for PCBs in surface soil samples are summarized in Table 4.

3.3.5 Pesticides

Surface soil samples contained concentrations of alpha-BHC, beta-BHC, delta-BHC, 4,4-DDT, dieldrin, Endosulfan I, and Endosulfan II. Alpha-BHC was found exceeding unrestricted ~~and industrial~~ SCOs (0.02 ppm ~~and 0.04 ppm, respectively~~) in S-09 with a concentration of 0.0770 ppm. 4,4-DDT was found exceeding unrestricted ~~and industrial SCOs~~ (0.0033 ppm ~~and 0.0033 ppm, respectively~~) in S-01, S-02, S-03, S-04, S-06, S-07, S-08, and S-12 ranging from 0.00540 ppm to 0.0280 ppm. Dieldrin was found exceeding unrestricted ~~and industrial~~ SCOs (0.005 ppm and 0.006 ppm, respectively) in S-03, S-05, S-06, and S-12 ranging from 0.00830 ppm to 0.0510 ppm. The analytical results for pesticides in surface soil samples are summarized in Table 5.

Many of the SVOCs detected on the site, including benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h]anthracene, indeno[1,2,3-cd]pyrene, and phenanthrene are classified as polycyclic aromatic hydrocarbons (PAHs). PAHs are found in fossil fuels and fossil fuel constituents, such as coal tar.

4.4 METALS IN SURFACE AND SUBSURFACE SOIL

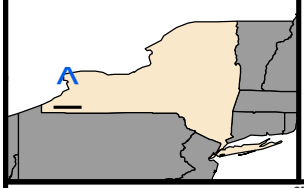
Metals concentrations in both surface and subsurface soils that were above unrestricted cleanup objectives on-site included mercury, chromium, lead, nickel, and manganese. The distribution of metals concentrations in soil appear to lack specific patterns and are found to be spread across the site. Figure 7 illustrates distribution of metals above SCOs on-site.

4.5 POLYCHLORINATED BIPHENYLS IN SURFACE AND SUBSURFACE SOIL

Total PCBs were detected is surface and subsurface soil on-site above both unrestricted and industrial cleanup guidance values. Based on the data collected during the investigation, distributions of total PCBs are concentrated in surface soils, but some concentrations were found at shallow depths on the subject site and the lot to the north (Figure 8).

4.6 PESTICIDES IN SURFACE AND SUBSURFACE SOIL

Four pesticide compounds were detected at concentrations above restricted ~~and industrial~~ cleanup guidance values in surface soils at the subject and the adjacent site located to the north. Subsurface soils contained concentrations above unrestricted ~~and industrial~~ use cleanup objectives in B-03 and B-06 only. Figure 9 illustrates pesticide distributions across the site.



Legend

Pesticides

! Sample Result Above Threshold

ND

Estimated Parcels

Concentrations in mg/kg
Concentrations Exceed Part 375 Unrestricted Use Soil Cleanup Objectives.
Concentrations that exceed Part 375 ~~Industrial Use soil cleanup objectives are in red.~~

0 50 100 200 Feet

Source: NYS Office of Cyber Security and Critical Infrastructure Coordination (CSCIC)

BASIC CARBON
SITE CHARACTERIZATION REPORT
NIAGARA FALLS, NEW YORK

FIGURE 9
PESTICIDE CONCENTRATIONS IN SOILS

PROJECT MGR:	DESIGNED BY:	CREATED BY:	CHECKED BY:	SCALE:	DATE:	PROJECT NO:	FILE NO:
JAG	MJS	MJS	JAG	AS SHOWN	MARCH 2009	14368.31	GIS/PROJECTS/ FIGURE9.MXD

TABLE 5 SUMMARY OF PESTICIDES FOUND IN SURFACE SOIL SAMPLES COLLECTED AUGUST 2008

Test Parameters USEPA Method 8081	Client ID:	9-32-004-S-1		9-32-004-S-2		9-32-004-S-3		9-32-004-S-4		9-32-004-S-5		NYSDEC Part 375 Industrial Use Cleanup Objectives (mg/kg)	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (mg/kg)
	Lab ID:	0808070-021B		0808070-022B		0808070-023B		0808070-24B		0808070-25B			
	Sample Type:	Surface Soil		Surface Soil		Surface Soil		Surface Soil		Surface Soil			
	Collect Date:	8/12/2008		8/12/2008		8/12/2008		8/12/2008		8/12/2008			
alpha- BHC	(mg/kg)	(<0.00180)	U	(<0.00180)	U	(<0.00180)	U	(<0.00190)	U	0.00340	J	~~0.04~~ 6.8	0.02
beta- BHC	(mg/kg)	(<0.00450)	U	0.00820	J	0.0110		(<0.00490)	U	(<0.00510)	U	~~0.6~~ 14	0.036
delta- BHC	(mg/kg)	(<0.00250)	U	(<0.00250)	U	(<0.00250)	U	(<0.00270)	U	(<0.00280)	U	~~0.04~~ 1000	0.04
4,4- DDT	(mg/kg)	**0.00540**	U*	**0.00640**	J	**0.00770**	JP	**0.00850**	J	(<0.00260)	U	~~0.0033~~ 94	0.0033
Dieldrin	(mg/kg)	(<0.00230)	U	(<0.00230)	U	**0.00830**	JP	(<0.00240)	U	**0.0230**	P	~~0.006~~ 180	0.005
Endosulfan I	(mg/kg)	(<0.00170)	U	(<0.00170)	U	(<0.00170)	U	0.00210	J	(<0.00190)	U	NS	2.4
Endosulfan II	(mg/kg)	0.00630	JP	(<0.0020)	U	(<0.0020)	U	0.00930	JP	(<0.00220)	U	NS	2.4

Test Parameters USEPA Method 8081	Client ID:	9-32-004-S-6		9-32-004-S-7		9-32-004-S-8		9-32-004-S-9		9-32-004-S-10		NYSDEC Part 375 Industrial Use Soil Cleanup Objectives (mg/kg)	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (mg/kg)
	Lab ID:	0808070-026B		0808070-027B		0808070-028B		0808070-029B		0808070-030B			
	Sample Type:	Surface Soil		Surface Soil		Surface Soil		Surface Soil		Surface Soil			
	Collect Date:	8/12/2008		8/12/2008		8/12/2008		8/12/2008		8/12/2008			
alpha- BHC	(mg/kg)	(<0.00190)	U	0.00540	JP	(<0.0020)	U	**0.0770**	U	(<0.00380)	U	~~0.04~~ 6.8	0.02
beta- BHC	(mg/kg)	(<0.00490)	U	(<0.00570)	U	(<0.0050)	U	(<0.0230)	U	0.0160	JP	~~0.6~~ 14	0.036
delta- BHC	(mg/kg)	0.00540	J	(<0.00310)	U	(<0.00280)	U	(<0.0130)	U	(<0.00520)	U	~~0.04~~ 1000	0.04
4,4- DDT	(mg/kg)	**0.0250**	P	**0.0130**	J	**0.0130**	JP	(<0.0120)	U	(<0.00490)	U	~~0.0033~~ 94	0.0033
Dieldrin	(mg/kg)	**0.050**	R	(<0.00280)	U	(<0.00250)	U	(<0.0110)	U	(<0.00480)	U	~~0.006~~ 180	0.005
Endosulfan I	(mg/kg)	(<0.00180)	U	(<0.00210)	U	(<0.00190)	U	(<0.00850)	U	(<0.00350)	U	NS	2.4
Endosulfan II	(mg/kg)	0.0180	JP	(<0.00250)	U	(<0.00220)	U	0.310	P	(<0.00420)	U	NS	2.4

Test Parameters USEPA Method 8081	Client ID:	9-32-004-S-11		9-32-004-S-12		NYSDEC Part 375 Industrial Use Soil Cleanup Objectives (mg/kg)	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (mg/kg)
	Lab ID:	0808070-031B		0808070-032B			
	Sample Type:	Surface Soil		Surface Soil			
	Collect Date:	8/12/2008		8/12/2008			
alpha- BHC	(mg/kg)	(<0.0020)	U	0.00690	JP	~~0.04~~ 6.8	0.02
beta- BHC	(mg/kg)	0.00760	U*	0.0170	JPN	~~0.6~~ 14	0.036
delta- BHC	(mg/kg)	(<0.00280)	U	(<0.00560)	U	~~0.04~~ 1000	0.04
4,4- DDT	(mg/kg)	(<0.00260)	U	**0.028**	JP	~~0.0033~~ 94	0.0033
Dieldrin	(mg/kg)	(<0.00250)	U	**0.019**	JP	~~0.006~~ 180	0.005
Endosulfan I	(mg/kg)	(<0.00190)	U	(<0.00380)	U	NS	2.4
Endosulfan II	(mg/kg)	(<0.00220)	U	(<0.00450)	U	NS	2.4

NOTE: USEPA = U.S. Environmental Protection Agency
NYSDEC = New State Department of Environmental Conservation
J = Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
R = Rejected
P = Analyte detected >40% difference between primary and confirmation analyses.
NS = No Standard
U = The analyte was analyzed for, but was not detected above the sample reporting limit.
N = Analyte has passed identification criteria, and is considered to be positively identified.
* = During the data validation, positives were reported to the practical quantification limit (PQL) of half of the quantification limit for all analytes.
mg/kg = milligrams per kilogram (ppm)
All analytical data results provided by Life Science Laboratories, Inc.
~~Bold values indicate that the analyte was detected above 6 NYCRR Part 375 Soil Cleanup Objectives for Restricted Use - Industrial~~
Shaded values indicate exceedence of NYSDEC Unrestricted Use Guidance Value
9-32-004-Dup-01 was collected at 9-32-004-B-04-1-5' and 9-32-004-DUP-02 was collected at 9-32-004-B-06-3-5'

TABLE 5A SUMMARY OF PESTICIDES FOUND IN SUBSURFACE SOIL SAMPLES COLLECTED AUGUST 2008

Test Parameters USEPA Method 8081	Client ID:	9-32-004-B-01-3-4'		9-32-004-B-01-7-8'		9-32-004-B-02-2-4'		9-32-004-B-02-5-7'		9-32-004-B-03-2-4'		NYSDEC Part 375 Industrial Use Soil Cleanup Objectives (mg/kg)	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (mg/kg)
	Lab ID:	0808070-001B		0808070-002B		0808070-003B		0808070-004B		0808070-005B			
	Sample Type:	Subsurface Soil		Subsurface Soil		Subsurface Soil		Subsurface Soil		Subsurface Soil			
	Collect Date:	8/12/2008		8/12/2008		8/12/2008		8/12/2008		8/12/2008			
Aldrin	(mg/kg)	(<0.00480)	U	(<0.000480)	U	(<0.00240)	U	(<0.00050)	U	0.013	U*	1.4	0.005
alpha- BHC	(mg/kg)	0.0092	R	(<0.00040)	U	(<0.0020)	U	(<0.000410)	U	(<0.00760)	U	~~0.04~~ 6.8	0.02
beta- BHC	(mg/kg)	(<0.010)	U	(<0.0010)	U	(<0.005)	U	(<0.0010)	U	(<0.0190)	U	~~0.6~~ 14	0.036
delta- BHC	(mg/kg)	(<0.00550)	U	(<0.000550)	U	(<0.00280)	U	(<0.000570)	U	(<0.0110)	U	~~0.04~~ 1000	0.04
4,4- DDT	(mg/kg)	(<0.00520)	U	(<0.00520)	U	(<0.00260)	U	(<0.000540)	U	(<0.010)	U	~~0.0033~~ 94	0.0033
4,4- DDD	(mg/kg)	(<0.00420)	U	(<0.00420)	U	(<0.00210)	U	(<0.000440)	U	(<0.00810)	U	~~0.0033~~ 180	0.0033
Dieldrin	(mg/kg)	(<0.0050)	U	(<0.00050)	U	(<0.00250)	U	(<0.000520)	U	0.022	U*	2.8	0.005
Endosulfan II	(mg/kg)	0.023	J	(<0.000440)	U	(<0.00220)	U	(<0.000460)	U	0.017	U*	NS	2.4
Methoxychlor	(mg/kg)	(<0.00530)	U	(<0.000530)	U	(<0.00260)	U	(<0.000550)	U	(<0.010)	U	---	---

Test Parameters USEPA Method 8081	Client ID:	9-32-004-B-03-6-8'		9-32-004-B-04-1-5'		9-32-004-B-04-8-10'		9-32-004-B-05-2-4'		9-32-004-B-05-5-7'		NYSDEC Part 375 Industrial Use Soil Cleanup Objectives (mg/kg)	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (mg/kg)
	Lab ID:	0808070-006B		0808070-007B		0808070-008B		0808070-009B		0808070-010B			
	Sample Type:	Subsurface Soil		Subsurface Soil		Subsurface Soil		Subsurface Soil		Subsurface Soil			
	Collect Date:	8/12/2008		8/12/2008		8/12/2008		8/12/2008		8/12/2008			
Aldrin	(mg/kg)	(<0.00050)	U	0.0018	U*	(<0.000480)	U	(<0.000480)	U	(<0.000470)	U	1.4	0.005
alpha- BHC	(mg/kg)	(<0.000410)	U	(<0.00080)	U	(<0.000390)	U	0.00048	U*	(<0.000390)	U	~~0.04~~ 6.8	0.02
beta- BHC	(mg/kg)	(<0.0010)	U	(<0.0020)	U	(<0.0010)	U	(<0.0010)	U	(<0.000990)	U	~~0.6~~ 14	0.036
delta- BHC	(mg/kg)	(<0.000570)	U	(<0.00110)	U	(<0.000550)	U	(<0.000550)	U	(<0.000540)	U	~~0.04~~ 1000	0.04
4,4- DDT	(mg/kg)	(<0.000540)	U	(<0.0010)	U	(<0.000510)	U	(<0.000520)	U	(<0.000510)	U	~~0.0033~~ 94	0.0033
4,4- DDD	(mg/kg)	(<0.000440)	U	(<0.000840)	U	(<0.000420)	U	(<0.000420)	U	(<0.000410)	U	~~0.0033~~ 180	0.0033
Dieldrin	(mg/kg)	(<0.000520)	U	(<0.0010)	U	(<0.00050)	U	(<0.00050)	U	(<0.00050)	U	2.8	0.005
Endosulfan II	(mg/kg)	0.0005	U*	0.0046	JP	(<0.000440)	U	(<0.000440)	U	(<0.000440)	U	NS	2.4
Methoxychlor	(mg/kg)	(<0.000550)	U	(<0.00110)	U	(<0.000530)	U	(<0.000530)	U	(<0.000520)	U	---	---

Test Parameters USEPA Method 8081	Client ID:	9-32-004-B-06-3-5'		9-32-004-B-06-7-8'		9-32-004-B-07-1-4'		9-32-004-B-07-5-6'		9-32-004-B-08-2-4'		NYSDEC Part 375 Industrial Use Soil Cleanup Objectives (mg/kg)	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (mg/kg)
	Lab ID:	0808070-011B		0808070-012B		0808070-013B		0808070-014B		0808070-015B			
	Sample Type:	Subsurface Soil		Subsurface Soil		Subsurface Soil		Subsurface Soil		Subsurface Soil			
	Collect Date:	8/12/2008		8/12/2008		8/12/2008		8/12/2008		8/12/2008			
Aldrin	(mg/kg)	(<0.00970)	U	(<0.000490)	U	(<0.0230)	U	(<0.000670)	U	(<0.00440)	U	1.4	0.005
alpha- BHC	(mg/kg)	0.03	J	(<0.00040)	U	(<0.0190)	U	0.00880		(<0.00360)	U	~~0.04~~ 6.8	0.02
beta- BHC	(mg/kg)	(<0.020)	U	(<0.0010)	U	(<0.0480)	U	0.00980		(<0.00920)	U	~~0.6~~ 14	0.036
delta- BHC	(mg/kg)	0.024	J	(<0.000560)	U	(<0.0260)	U	(<0.000770)	U	(<0.00510)	U	~~0.04~~ 1000	0.04
4,4- DDT	(mg/kg)	(<0.010)	U	(<0.000530)	U	(<0.0240)	U	(<0.000720)	U	(<0.00470)	U	~~0.0033~~ 94	0.0033
4,4- DDD	(mg/kg)	(<0.00850)	U	(<0.000430)	U	(<0.020)	U	(<0.000590)	U	(<0.00380)	U	~~0.0033~~ 180	0.0033
Dieldrin	(mg/kg)	0.0270	JP	(<0.000510)	U	(<0.0240)	U	0.00550	JP	(<0.00460)	U	2.8	0.005
Endosulfan II	(mg/kg)	(<0.00890)	U	(<0.000450)	U	(<0.0210)	U	(<0.000620)	U	(<0.000410)	U	NS	2.4
Methoxychlor	(mg/kg)	(<0.0110)	U	0.0026	U*	(<0.0250)	U	(<0.000740)	U	(<0.00480)	U	---	---

Test Parameters USEPA Method 8081	Client ID:	9-32-004-B-08-5-7'		9-32-004-B-09-3-4'		9-32-004-B-09-4-5'		9-32-004-B-10-1-3'		9-32-004-B-10-3-5'		NYSDEC Part 375 Industrial Use Soil Cleanup Objectives (mg/kg)	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (mg/kg)
	Lab ID:	0808070-016B		0808070-017B		0808070-018B		080807-019B		0808070-020B			
	Sample Type:	Subsurface Soil		Subsurface Soil		Subsurface Soil		Subsurface Soil		Subsurface Soil			
	Collect Date:	8/12/2008		8/12/2008		8/12/2008		8/12/2008		8/12/2008			
Aldrin	(mg/kg)	(<0.490)	U	(<0.00490)	U	(<0.000530)	U	(<0.000480)	U	(<0.000480)	U	1.4	0.005
alpha- BHC	(mg/kg)	(<0.40)	U	(<0.0040)	U	0.0040	JP	0.00240	P	0.0110		~~0.04~~ 6.8	0.02
beta- BHC	(mg/kg)	(<1.0)	U	(<0.010)	U	0.00390	JP	0.00880		0.0240		~~0.6~~ 14	0.036
delta- BHC	(mg/kg)	(<0.560)	U	(<0.00560)	U	(<0.000610)	U	(<0.000550)	U	0.00150	JP	~~0.04~~ 1000	0.04
4,4- DDT	(mg/kg)	(<0.520)	U	(<0.00520)	U	0.00240	JP	0.00120	U*	0.00180	U*	~~0.0033~~ 94	0.0033
4,4- DDD	(mg/kg)	(<0.430)	U	(<0.00430)	U	(<0.000460)	U	(<0.000420)	U	0.0040	P	~~0.0033~~ 180	0.0033
Dieldrin	(mg/kg)	(<0.510)	U	(<0.00510)	U	(<0.000560)	U	0.00140	JP	(<0.000510)	U	2.8	0.005
Endosulfan II	(mg/kg)	(<0.450)	U	0.10	P	(<0.000490)	U	(<0.000450)	U	0.00240	JP	NS	2.4
Methoxychlor	(mg/kg)	(<0.540)	U	(<0.00540)	U	(<0.000580)	U	(<0.000530)	U	(<0.000530)	U	---	---

Test Parameters USEPA Method 8081	Client ID:	9-32-004-DUP-01		9-32-004-DUP-02		NYSDEC Part 375 Industrial Use Soil Cleanup Objectives (mg/kg)	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (mg/kg)
	Lab ID:	0808070-034B		0808070-033B			
	Sample Type:	Subsurface Soil		Subsurface Soil			
	Collect Date:	8/12/2008		8/12/2008			
Aldrin	(mg/kg)	0.110	P	(<0.0240)	U	0.14	0.005
alpha- BHC	(mg/kg)	0.00810	JP	**0.160**		~~0.04~~ 6.8	0.02
beta- BHC	(mg/kg)	(<0.00970)	U	0.30	R	~~0.6~~ 14	0.036
delta- BHC	(mg/kg)	(<0.00530)	U	(<0.0250)	U	~~0.04~~ 1000	0.04
4,4- DDT	(mg/kg)	(<0.00490)	U	(<0.0250)	U	~~0.0033~~ 94	0.0033
4,4- DDD	(mg/kg)	(<0.0040)	U	(<0.0210)	U	~~0.0033~~ 180	0.0033
Dieldrin	(mg/kg)	(<0.00480)	U	0.110	JP	2.8	0.005
Endosulfan II	(mg/kg)	0.00920	U*	0.210	P	NS	2.4
Methoxychlor	(mg/kg)	(<0.00510)	U	(<0.40)	U	---	---

NOTE: USEPA = U.S. Environmental Protection Agency
NYSDEC = New State Department of Environmental Conservation
U = The analyte was analyzed for, but was not detected above the sample reporting limit
P = Analyte detected >40% difference between primary and confirmation analyses.
J = Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
NS = No Standard
* = During the data validation, positives were reported to the practical quantification limit (PQL) of half of the quantification limit for all analytes.
mg/kg = milligrams per kilogram (ppm)
All analytical data results provided by Life Science Laboratories, Inc.
~~Bold values indicate that the analyte was detected above 6 NYCRR Part 375 Soil Cleanup Objectives for Restricted Use - Industrial~~
Shaded values indicate exceedence of NYSDEC Unrestricted Use Guidance Value
9-32-004-Dup-01 was collected at 9-32-004-B-04-1-5' and 9-32-004-DUP-02 was collected at 9-32-004-B-06-3-5'