LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 1A
SUMMARY OF FIELD OBSERVATIONS

SOIL BORING ID	SAMPLE INTERVAL (FEET)	PID LEVEL (PPM)	TOTAL DEPTH (FEET)	OBSERVATIONS
AE01D	2-2.5	<1	47 - MW installed	Fill- Wood and brick
	20-22	<1		
	35-37	<1		
AEG02D	2-2.5	<1	37	Fill
	15-17	<1		Fill - Wood and brick
	35-37	<1		
AEG03D	2-2.5	<1	37	Fill
	15-17	<1		Fill-Wood and brick
	35-35	<1		
AEG04D	2-2.5	<1	47 - MW installed	Fill
	15-17	2.5		Fill
	35-37	1.9		
AE05D	2-2.5	<1	32	Fill
	15-17	<1		
	30-32	<1		
AE06S	2-2.5	<1	17	Fill
	8-10	2.4		Fill
	15-17	<1		Fill
AE07S	2-2.5	<1	12	Fill
	5-7	1.6		Fill
	10-12	1.7		Fill
AE08S	2-2.5	ND	12	Fill
	6-8	<1		Fill
	10-12	<1		
AEG09D	2-2.5	ND	37	Fill
	15-17	ND		Fill
	35-37	ND		
AEG10D	2-2.5	ND	37	Fill
	15-17	<1		
	35-37	<1		
AE11S	2-2.5	<1	17	Fill
	6-8	6		Fill
	10-12	<1		
AE12D	2-2.5	1.0	32	Fill
	15-17	2		Fill
	30-32	1.7		
AE13S	2-2.5	1.0	12	Fill-Wood and brick
	8-10	1.3		Fill
	10-12	<1		
AEG14D	2-2.5	ND	37	Fill
	15-17	<1		
	35-37	<1		
AEG15D	2-2.5	ND	37	Fill
	15-17	<1		Fill
	30-32	1.0		
AEG16D	2-2.5	ND	45 - MW installed	Fill
	16-18	1.5		Fill
	35-37	1.2		
	40-42	1.2		
AE17D	2-2.5	ND	32	Fill
	15-17	<1		Fill
	30-32	<1		
AE18S	2-2.5	<1	17	Fill
	8-10	<1		Fill
	15-17	<1		
AE19S	2-.2.5	<1	12	Fill
	6-8	2.3		Fill
	10-12	<1		
AE20S	2-2.5	<1	17	Fill
	8-10	<1		Fill
	15-17	<1		
AE21S	2-2.5	1.1	12	Fill-Wood and brick
	6-8	3.3		Fill
	10-12	1.4		
SAE22S	1-1.5	ND	10	Fill
	6-8	<1		Fill
SAE23S	1-1.5	ND	10	Fill
	6-8	<1		Fill-Wood and brick
	8-10	<1		

Table 2.1A
Soil Analytical Results for
Target Compound List (TCL) Volatile Organic Compound (VOCs)

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AEG 02D02S	AEG 02D15S	AEG 02D35S	AEG 03D02S	AEG 03D15S	AEG 03D35S	AEG 04D02S	AEG 04D15S	AEG 04D35S
Lab ID			AC43799-005	AC43830-005	AC43830-004	AC43799-006	AC43830-006	AC43830-007	AC43830-008	AC43914-005	AC43914-006
Sample Depth (feet)			2	15	35	2	15	35	02	15	35
Collection Date			4/3/2009	4/6/2009	4/6/2009	4/3/2009	4/6/2009	4/6/2009	4/7/2009	4/7/2009	4/7/2009
Compound(ppm)											
1,1,1-Trichloroethane	0.8	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.2	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.4	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	--	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7.9	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	--	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.6	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.3	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.2	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.6	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.7	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.3	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylenes	1.2	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.1	0.05	ND	ND	ND	ND	ND	ND	0.0099	ND	ND
Methyl-t-butyl ether	--	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	--	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	--	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1.2	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	--	11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.4	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.5	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.3	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.7	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.2	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organic Compounds	10	--	ND	ND	ND	ND	ND	ND	0.0099	ND	ND

Notes and Abbreviations:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard available
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

Table 2.1A
Soil Analytical Results for
Target Compound List (TCL) Volatile Organic Compound (VOCs)

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AEG 09D02S	AEG 09D15S	AEG 09D35S	AEG 10D02S	AEG10D02S	AEG 10D15S	AEG 10D35S	AEG 14D02S	AEG14D02S
Lab ID			AC43799-004	AC43830-003	AC43830-002	AC43914-007	AC43757-004	AC43914-009	AC43914-008	AC43914-010	AC43757-003
Sample Depth (feet)			02	15	35	02	02	15	35	02	02
Collection Date			4/3/2009	4/6/2009	4/6/2009	4/7/2009	4/1/2009	4/8/2009	4/8/2009	4/8/2009	4/1/2009
Compound(ppm)											
1,1,1-Trichloroethane	0.8	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.2	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.4	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	--	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7.9	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	--	8.4	ND	0.031	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.6	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.3	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	ND	0.010	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.2	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.6	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.7	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.3	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	ND	0.032	ND	ND	ND	ND	ND	ND	ND
m&p-Xylenes	1.2	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.1	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-t-butyl ether	--	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	--	12	ND	0.061	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	--	3.9	ND	0.053	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1.2	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	--	11	ND	0.062	ND	ND	ND	ND	ND	ND	ND
Styrene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.4	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.5	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.3	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-dichloropropene	--	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.7	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.2	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organic Compounds	10	--	ND	0.249	ND	ND	ND	ND	ND	ND	ND

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--: No standard available
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
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Table 2.1A
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Target Compound List (TCL) Volatile Organic Compound (VOCs)

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AEG 14D15S	AEG 14D35S	AEG15D02S	AEG 15D15S	AEG 15D30S	AEG16D02S	AEG16D16S	AEG16D35S	AEG16D40S
Lab ID			AC43914-012	AC43914-013	AC43757-002	AC43799-002	AC43799-003	AC43757-001	AC43757-005	AC43757-006	AC43757-007
Sample Depth (feet)			15	35	02	15	30	02	16	35	04
Collection Date			4/8/2009	4/8/2009	4/1/2009	4/2/2009	4/2/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009
Compound(ppm)											
1,1,1-Trichloroethane	0.8	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.2	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.4	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	--	3.6	ND	ND	0.0041	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7.9	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	--	8.4	ND	ND	0.0013	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.6	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.3	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.2	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.6	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.7	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.3	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylenes	1.2	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.1	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-t-butyl ether	--	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	--	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	--	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1.2	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	--	11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.4	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.5	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.3	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.7	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.2	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organic Compounds	10	--	ND	ND	0.0054	ND	ND	ND	ND	ND	ND

Notes and Abbreviations:
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--: No standard available
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

Table 2.1A
Soil Analytical Results for
Target Compound List (TCL) Volatile Organic Compound (VOCs)

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AE01D02S	AE01D20S	AE01D35S	AE 05D02S	AE05DS15S	AE05DS30S	AE 06S02S	AE06S08S	AE06S15S
Lab ID			AC43914-016	AC44023-025	AC44023-026	AC43830-001	AC44023-023	AC44023-024	AC43940-001	AC44023-015	AC44023-016
Sample Depth (feet)			02	20	35	02	15	30	02	08	15
Collection Date			4/9/2009	4/15/2009	4/15/2009	4/6/2009	4/15/2009	4/15/2009	4/9/2009	4/14/2009	4/14/2009
Compound(ppm)											
1,1,1-Trichloroethane	0.8	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.2	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.4	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	--	3.6	0.0017	ND	ND	ND	ND	ND	0.0019	ND	ND
1,2-Dichlorobenzene	7.9	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	--	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.6	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.3	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.2	0.05	ND	ND	0.029	ND	ND	ND	ND	ND	ND
Acrolein	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.6	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.7	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.3	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylenes	1.2	0.26	ND	ND	ND	ND	ND	ND	0.0018	ND	ND
Methylene chloride	0.1	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-t-butyl ether	--	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	--	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	--	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1.2	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	--	11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.4	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.5	0.7	ND	ND	ND	ND	ND	ND	0.0087	ND	ND
trans-1,2-Dichloroethene	0.3	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.7	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.2	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	--	--	ND	ND	ND	ND	ND	ND	0.0018	ND	ND
Total Volatile Organic Compounds	10	--	0.0017	ND	0.029	ND	ND	ND	0.0142	ND	ND

Notes and Abbreviations:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard available
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

Table 2.1A
Soil Analytical Results for
Target Compound List (TCL) Volatile Organic Compound (VOCs)

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AE07S02S	AE07S05S	AE 07S10S	AE 08S02S	AE08S06S	AE08S10S	AE 11S02S	AE11S06S	AE11S10S
Lab ID			AC43757-009	AC43799-001	AC43914-003	AC43914-002	AC44023-013	AC44023-014	AC43940-007	AC44026-001	AC44026-002
Sample Depth (feet)			02	05	10	02	06	10	02	06	10
Collection Date			4/1/2009	4/2/2009	4/7/2009	4/7/2009	4/14/2009	4/14/2009	4/10/2009	4/15/2009	4/15/2009
Compound(ppm)											
1,1,1-Trichloroethane	0.8	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.2	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.4	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	--	3.6	ND	ND	ND	ND	ND	ND	0.0016	0.15	ND
1,2-Dichlorobenzene	7.9	1.1	ND	ND	ND	ND	ND	ND	ND	0.38	ND
1,2-Dichloroethane	0.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	--	8.4	ND	ND	ND	ND	ND	ND	ND	0.073	ND
1,3-Dichlorobenzene	1.6	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.3	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	ND	ND	ND	ND	ND	ND	ND	0.020	ND
4-Methyl-2-pentanone	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.2	0.05	ND	ND	ND	ND	0.067	ND	ND	ND	ND
Acrolein	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.6	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.7	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.3	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylenes	1.2	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.1	0.05	ND	ND	ND	ND	ND	ND	0.0067	ND	ND
Methyl-t-butyl ether	--	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	--	12	ND	ND	ND	ND	ND	ND	ND	0.015	ND
n-Propylbenzene	--	3.9	ND	ND	ND	ND	ND	ND	ND	0.0067	ND
o-Xylene	1.2	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	--	11	ND	ND	ND	ND	ND	ND	ND	0.025	ND
Styrene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.4	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.5	0.7	ND	0.0025	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.3	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.7	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.2	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organic Compounds	10	--	ND	0.0025	ND	ND	0.067	ND	0.0083	0.6697	ND

Notes and Abbreviations:
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--: No standard available
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

Table 2.1A
Soil Analytical Results for
Target Compound List (TCL) Volatile Organic Compound (VOCs)

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AE12D02S	AE 12D15S	AE 12D30S	AE 13S02S	AE13S08S	AE13S10S	AE17D02S	AE17D15S	AE17D30S
Lab ID			AC43757-008	AC43914-004	AC43914-001	AC43914-011	AC44023-012	AC44023-011	AC44023-003	AC44023-019	AC44023-020
Sample Depth (feet)			02	15	30	02	08	10	02	15	30
Collection Date			4/1/2009	4/7/2009	4/7/2009	4/8/2009	4/14/2009	4/14/2009	4/13/2009	4/15/2009	4/15/2009
Compound(ppm)											
1,1,1-Trichloroethane	0.8	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.2	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.4	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	--	3.6	ND	ND	ND	ND	ND	0.0018	ND	ND	ND
1,2-Dichlorobenzene	7.9	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	--	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.6	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.3	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.2	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.6	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.7	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.3	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylenes	1.2	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.1	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-t-butyl ether	--	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	--	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	--	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1.2	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	--	11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.4	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.5	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.3	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.7	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.2	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organic Compounds	10	--	ND	ND	ND	ND	D	0.0018	ND	ND	ND

Notes and Abbreviations:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard available
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

Table 2.1A
Soil Analytical Results for
Target Compound List (TCL) Volatile Organic Compound (VOCs)

Sample ID	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	AE18S02S	AE18S08S	AE18S15S	AE19S02S	AE19S06S	AE19S10S	AE20S02S	AE20S08S	AE20S15S
Lab ID			AC43940-009	AC44023-009	AC44023-010	AC44023-001	AC44023-007	AC44023-008	AC44023-002	AC44023-021	AC44023-022
Sample Depth (feet)			02	08	15	02	06	10	02	08	15
Collection Date			4/10/2009	4/14/2009	4/14/2009	4/13/2009	4/14/2009	4/14/2009	4/13/2009	4/15/2009	4/15/2009
Compound(ppm)											
1,1,1-Trichloroethane	0.8	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.2	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.4	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	--	3.6	ND	0.0064	0.0013	ND	0.020	ND	ND	ND	ND
1,2-Dichlorobenzene	7.9	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	--	8.4	ND	0.0014	ND	ND	0.0064	ND	ND	ND	ND
1,3-Dichlorobenzene	1.6	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.3	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	ND	ND	ND	ND	0.0024	ND	ND	ND	ND
4-Methyl-2-pentanone	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.2	0.05	ND	ND	ND	ND	0.030	ND	ND	ND	ND
Acrolein	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.6	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.7	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.3	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.5	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylenes	1.2	0.26	ND	ND	ND	ND	0.0012	ND	ND	ND	ND
Methylene chloride	0.1	0.05	ND	ND	ND	ND	0.022	ND	ND	ND	ND
Methyl-t-butyl ether	--	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	--	12	ND	ND	ND	ND	0.0012	ND	ND	ND	ND
n-Propylbenzene	--	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1.2	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	--	11	ND	ND	ND	ND	0.0014	ND	ND	ND	ND
Styrene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.4	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.5	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.3	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.7	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.2	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	--	--	ND	ND	ND	ND	0.0012	ND	ND	ND	ND
Total Volatile Organic Compounds	10	--	ND	0.0078	0.0013	ND	0.0858	ND	ND	ND	ND

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--: No standard available
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

Table 2.1A
Soil Analytical Results for
Target Compound List (TCL) Volatile Organic Compound (VOCs)

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AE 2102S	AE21S06S	AE21S10S	SAE 23S01S	SAE 23S08S	FB 0409	FB 041509	TRIP BLANK	TRIP BLANK
Lab ID			AC43940-008	AC44023-017	AC44023-018	AC44739-002	AC44739-005	AC43914-015	AC44026-005	AC43799-007	AC43757-010
Sample Depth (feet)			02	06	10	01	08	-	-	-	-
Collection Date			4/10/2009	4/14/2009	4/14/2009	5/19/2009	5/19/2009	4/8/2009	4/15/2009	3/31/2009	3/31/2009
Compound(ppm)											
1,1,1-Trichloroethane	0.8	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	0.018	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.2	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.4	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	--	3.6	0.0033	0.012	0.0012	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7.9	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	--	8.4	0.0012	0.0065	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.6	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	0.3	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	--	--	ND	0.0018	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.2	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.6	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.7	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.3	0.37	ND	ND	ND	ND	ND	**2.6**	**1.1**	ND	ND
Chloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.5	1	0.0013	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylenes	1.2	0.26	0.0059	0.0025	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.1	0.05	0.0059	ND	ND	ND	ND	**10**	**7.9**	ND	ND
Methyl-t-butyl ether	--	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	--	12	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	--	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1.2	0.26	0.0018	0.0019	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	--	11	ND	0.0019	ND	ND	ND	ND	ND	ND	ND
Styrene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.4	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.5	0.7	0.0022	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.3	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.7	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.2	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	--	--	0.0077	0.0044	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organic Compounds	10	--	0.0293	0.049	0.0012	ND	ND	**12.6**	9	ND	ND

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Table 2.1A
Soil Analytical Results for
Target Compound List (TCL) Volatile Organic Compound (VOCs)

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
Lab ID			AC43830-009	AC43940-010	AC43914-014	AC44739-006
Sample Depth (feet)			-	-	-	-
Collection Date			4/2/2009	4/6/2009	4/7/2009	5/13/2009
Compound(ppm)						
1,1,1-Trichloroethane	0.8	0.68	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	ND	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND
1,1-Dichloroethane	0.2	0.27	ND	ND	ND	ND
1,1-Dichloroethene	0.4	0.33	ND	ND	ND	ND
1,2,3-Trichloropropane	--	--	ND	ND	ND	ND
1,2,4-Trimethylbenzene	--	3.6	ND	ND	ND	ND
1,2-Dichlorobenzene	7.9	1.1	ND	ND	ND	ND
1,2-Dichloroethane	0.1	0.02	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND
1,3,5-Trimethylbenzene	--	8.4	ND	ND	ND	ND
1,3-Dichlorobenzene	1.6	2.4	ND	ND	ND	ND
1,3-Dichloropropane	--	--	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	1.8	ND	ND	ND	ND
1,4-Dioxane	--	0.1	ND	ND	ND	ND
2-Butanone	0.3	0.12	ND	ND	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND
4-Isopropyltoluene	--	--	ND	ND	ND	ND
4-Methyl-2-pentanone	1	--	ND	ND	ND	ND
Acetone	0.2	0.05	ND	ND	ND	ND
Acrolein	--	--	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND
Benzene	0.06	0.06	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND
Carbon disulfide	2.7	--	ND	ND	ND	ND
Carbon tetrachloride	0.6	0.76	ND	ND	ND	ND
Chlorobenzene	1.7	1.1	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND
Chloroform	0.3	0.37	ND	ND	ND	ND
Chloromethane	--	--	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	0.25	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND
Ethylbenzene	5.5	1	ND	ND	ND	ND
Isopropylbenzene	--	--	ND	ND	ND	ND
m&p-Xylenes	1.2	0.26	ND	ND	ND	ND
Methylene chloride	0.1	0.05	ND	ND	ND	ND
Methyl-t-butyl ether	--	0.93	ND	ND	ND	ND
n-Butylbenzene	--	12	ND	ND	ND	ND
n-Propylbenzene	--	3.9	ND	ND	ND	ND
o-Xylene	1.2	0.26	ND	ND	ND	ND
sec-Butylbenzene	--	11	ND	ND	ND	ND
Styrene	--	--	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND
t-Butylbenzene	--	--	ND	ND	ND	ND
Tetrachloroethene	1.4	1.3	ND	ND	ND	ND
Toluene	1.5	0.7	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.3	0.19	ND	ND	ND	ND
Trans-1,3-dichloropropene	--	--	ND	ND	ND	ND
Trichloroethene	0.7	0.47	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND
Vinyl chloride	0.2	0.02	ND	ND	ND	ND
Xylenes (Total)	--	--	ND	ND	ND	ND
Total Volatile Organic Compounds	10	--	ND	ND	ND	ND

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LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.2A

SOIL ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AE01D02S	AE01D20S	AE01D35S	AE 05D02S	AE05DS15S	AE05DS30S	AE 06S02S	AE06S08S	AE06S15S
Lab ID			AC43914-016	AC44023-025	AC44023-026	AC43830-001	AC44023-023	AC44023-024	AC43940-001	AC44023-015	AC44023-016
Sample Depth (feet)			2	20	35	2	15	30	2	8	15
Collection Date			4/9/2009	4/15/2009	4/15/2009	4/6/2009	4/15/2009	4/15/2009	4/9/2009	4/14/2009	4/14/2009
Compound (ppm)											
1,2,4-Trichlorobenzene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	--	ND	ND	ND	ND	ND	ND	0.20	0.22	ND
2-Methylphenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	.043 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	.33 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	0.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	.5 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	.24 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	.22 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41	1,000	ND	ND	ND	1.6	ND	ND	0.11	0.074	ND
Aniline	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	1,000	ND	ND	ND	3.2	ND	ND	0.12	0.080	ND
Benzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	.224 or MDL	11	ND	ND	ND	**9.8**	ND	ND	**0.28**	**0.33**	ND
Benzo(a)pyrene	.061 or MDL	1.1	ND	ND	ND	**6.7**	ND	ND	**0.29**	**0.30**	ND
Benzo(b)fluoranthene	1.1	11	ND	ND	ND	**8.5**	ND	ND	0.58	0.57	ND
Benzo(g,h,i)perylene	50	1,000	ND	ND	ND	3.6	ND	ND	0.30	0.28	ND
Benzo(k)fluoranthene	1.1	110	ND	ND	ND	**3.6**	ND	ND	0.14	0.16	ND
Benzoic acid	50.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	--	ND	ND	ND	ND	0.15	ND	0.27	0.35	0.21
Butylbenzylphthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	50	--	ND	ND	ND	0.96	ND	ND	ND	ND	ND
Chrysene	0.4	110	ND	ND	ND	**7.3**	ND	ND	0.38	**0.41**	ND
Dibenz(a,h)anthracene	.014 or MDL	1.1	ND	ND	ND	**1.4**	ND	ND	**0.079**	**0.080**	ND
Dibenzofuran	6.2	--	ND	ND	ND	0.53	ND	ND	ND	ND	ND
Diethylphthalate	7.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	1,000	ND	ND	ND	17	ND	ND	0.54	0.71	ND
Fluorene	50	1,000	ND	ND	ND	0.72	ND	ND	ND	ND	ND
Hexachlorobenzene	0.41	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3.2	11	ND	ND	ND	**3.7**	ND	ND	0.26	0.26	ND
Isophorone	4.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13	1,000	ND	ND	ND	ND	ND	ND	0.13	0.12	ND
Nitrobenzene	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1 or MDL	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	1,000	ND	ND	ND	12	ND	ND	0.30	0.26	ND
Phenol	.03 or MDL	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	1,000	ND	ND	ND	16	ND	ND	0.60	0.62	ND
Total Semi-volatile Organic Compounds	500	--	ND	ND	ND	96.61	0.15	ND	4.579	4.824	0.21

Notes and Abbreviations:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) # 4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard Available
MDL: Method Detection Limit
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.2A

SOIL ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AE07S02S	AE07S05S	AE 07S10S	AE 08S02S	AE08S06S	AE08S10S	AE 11S02S	AE11S06S	AE11S10S
Lab ID			AC43757-009	AC43799-001	AC43914-003	AC43914-002	AC44023-013	AC44023-014	AC43940-007	AC44026-001	AC44026-002
Sample Depth (feet)			2	5	10	2	6	10	2	6	10
Collection Date			4/1/2009	4/2/2009	4/7/2009	4/7/2009	4/14/2009	4/14/2009	4/10/2009	4/15/2009	4/15/2009
Compound (ppm)											
1,2,4-Trichlorobenzene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	--	0.095	ND	ND	ND	ND	ND	0.33	0.77	ND
2-Methylphenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	.043 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	.33 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	0.9	--	ND	ND	ND	ND	ND	ND	ND	0.16	ND
3,3-Dichlorobenzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	.5 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	.24 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	.22 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50	1,000	ND	ND	ND	ND	ND	0.24	ND	0.11	ND
Acenaphthylene	41	1,000	ND	ND	ND	ND	0.7	0.39	ND	ND	ND
Aniline	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	1,000	ND	ND	ND	1.7	1.2	0.84	ND	ND	ND
Benzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	.224 or MDL	11	ND	ND	ND	**9.1**	**5.6**	**2.8**	ND	ND	ND
Benzo(a)pyrene	.061 or MDL	1.1	ND	ND	ND	**8.5**	**4.8**	**2.5**	ND	ND	ND
Benzo(b)fluoranthene	1.1	11	ND	ND	ND	**10**	**5.9**	**3**	ND	0.11	ND
Benzo(g,h,i)perylene	50	1,000	ND	ND	ND	5.2	3.4	1.8	ND	ND	ND
Benzo(k)fluoranthene	1.1	110	ND	ND	ND	**4.2**	**2.1**	1.1	ND	ND	ND
Benzoic acid	50.0	--	0.28	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	--	ND	ND	0.13	ND	0.42	1.2	ND	0.72	ND
Butylbenzylphthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	50	--	ND	ND	ND	ND	0.29	0.22	ND	ND	ND
Chrysene	0.4	110	ND	ND	ND	**7.9**	**4.6**	**2.6**	0.33	0.13	ND
Dibenz(a,h)anthracene	.014 or MDL	1.1	ND	ND	ND	**1.5**	**0.92**	**0.43**	ND	ND	ND
Dibenzofuran	6.2	--	ND	ND	ND	ND	ND	ND	ND	0.096	ND
Diethylphthalate	7.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	1,000	ND	ND	ND	16	10	6.2	0.25	0.2	ND
Fluorene	50	1,000	ND	ND	ND	ND	ND	0.28	ND	ND	ND
Hexachlorobenzene	0.41	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3.2	11	ND	ND	ND	**4.9**	3	1.5	ND	ND	ND
Isophorone	4.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13	1,000	ND	ND	ND	ND	ND	ND	ND	0.21	ND
Nitrobenzene	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1 or MDL	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	1,000	0.18	ND	ND	3.4	4	3.3	0.71	0.63	ND
Phenol	.03 or MDL	1,000	ND	ND	ND	ND	ND	ND	ND	**0.37**	ND
Pyrene	50	1,000	ND	ND	ND	16	10	5.8	0.26	0.22	ND
Total Semi-volatile Organic Compounds	500	--	0.555	ND	0.13	88.4	56.93	34.2	1.88	3.726	ND

Notes and Abbreviations:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) # 4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard Available
MDL: Method Detection Limit
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
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TABLE 2.2A
SOIL ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	AE 12D02S	AE 12D15S	AE 12D30S	AE 13S02S	AE13S08S	AE13S10S	AE17D02S	AE17D15S	AE17D30S
Lab ID			AC43757-008	AC43914-004	AC43914-001	AC43914-011	AC44023-012	AC44023-011	AC44023-003	AC44023-019	AC44023-020
Sample Depth (feet)			2	15	30	2	8	10	2	15	30
Collection Date			4/1/2009	4/7/2009	4/7/2009	4/8/2009	4/14/2009	4/14/2009	4/13/2009	4/15/2009	4/15/2009
Compound (ppm)											
1,2,4-Trichlorobenzene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	--	0.24	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	.043 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	.33 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	0.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	.5 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	.24 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	.22 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50	1,000	0.32	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41	1,000	1.2	ND	ND	0.25	ND	ND	ND	ND	ND
Aniline	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	1,000	1.2	ND	ND	0.37	ND	ND	ND	ND	ND
Benzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	.224 or MDL	11	**5.3**	ND	ND	**1.9**	ND	ND	ND	ND	ND
Benzo(a)pyrene	.061 or MDL	1.1	**7.3**	ND	ND	**1.4**	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.1	11	**9.9**	ND	ND	**1.8**	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	50	1,000	10	ND	ND	0.64	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	1.1	110	**2.5**	ND	ND	0.65	ND	ND	ND	ND	ND
Benzoic acid	50.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	--	ND	ND	ND	ND	0.16	ND	ND	0.66	ND
Butylbenzylphthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	50	--	0.32	ND	ND	0.096	ND	ND	ND	ND	ND
Chrysene	0.4	110	**6.3**	ND	ND	**1.6**	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	.014 or MDL	1.1	**1.9**	ND	ND	**0.26**	ND	ND	ND	ND	ND
Dibenzofuran	6.2	--	0.18	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	7.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	1,000	8.2	ND	ND	2.7	ND	ND	ND	ND	ND
Fluorene	50	1,000	0.33	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.41	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3.2	11	**6.4**	ND	ND	0.67	ND	ND	ND	ND	ND
Isophorone	4.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13	1,000	0.53	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1 or MDL	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	1,000	4.9	ND	ND	1.2	ND	ND	ND	ND	ND
Phenol	.03 or MDL	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	1,000	12	ND	ND	2.9	ND	ND	ND	ND	ND
Total Semi-volatile Organic Compounds	500	--	73.72	ND	ND	16.436	0.16	ND	ND	0.66	ND

Notes and Abbreviations:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) # 4046
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--: No standard Available
MDL: Method Detection Limit
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

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TABLE 2.2A

SOIL ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AE18S02S	AE18S08S	AE18S15S	AE19S02S	AE19S06S	AE19S10S	AE20S02S	AE20S08S	AE20S15S
Lab ID			AC43940-009	AC44023-009	AC44023-010	AC44023-001	AC44023-007	AC44023-008	AC44023-002	AC44023-021	AC44023-022
Sample Depth (feet)			2	8	15	2	6	10	2	8	15
Collection Date			4/10/2009	4/14/2009	4/14/2009	4/13/2009	4/14/2009	4/14/2009	4/13/2009	4/15/2009	4/15/2009
Compound (ppm)											
1,2,4-Trichlorobenzene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	--	ND	ND	ND	ND	0.097	ND	ND	ND	ND
2-Methylphenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	.043 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	.33 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	0.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	.5 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	.24 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	.22 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41	1,000	ND	ND	ND	ND	ND	ND	0.082	ND	ND
Aniline	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	1,000	ND	ND	0.16	ND	0.13	ND	0.13	0.073	ND
Benzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	.224 or MDL	11	0.11	ND	**0.39**	0.087	**0.52**	ND	**0.57**	0.2	ND
Benzo(a)pyrene	.061 or MDL	1.1	**0.15**	ND	**0.33**	**0.092**	**0.78**	ND	**0.49**	**0.17**	ND
Benzo(b)fluoranthene	1.1	11	0.18	ND	0.35	0.12	0.94	ND	0.66	0.2	ND
Benzo(g,h,i)perylene	50	1,000	0.2	ND	0.24	0.11	0.96	ND	0.35	0.12	ND
Benzo(k)fluoranthene	1.1	110	ND	ND	0.11	ND	0.29	ND	0.18	0.085	ND
Benzoic acid	50.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	--	ND	0.11	0.14	ND	0.38	ND	ND	0.23	0.071
Butylbenzylphthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.4	110	0.1	ND	0.37	0.098	**0.55**	ND	**0.48**	0.18	ND
Dibenz(a,h)anthracene	.014 or MDL	1.1	ND	ND	ND	ND	**0.13**	ND	**0.078**	ND	ND
Dibenzofuran	6.2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	7.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	--	ND	ND	ND	ND	0.28	ND	ND	ND	ND
Fluoranthene	50	1,000	0.19	ND	0.71	0.16	1.1	ND	1.3	0.52	ND
Fluorene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.41	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3.2	11	0.14	ND	0.16	ND	0.71	ND	0.3	0.1	ND
Isophorone	4.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13	1,000	ND	ND	ND	ND	0.088	ND	ND	ND	ND
Nitrobenzene	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1 or MDL	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	1,000	0.088	ND	0.33	0.1	0.56	ND	0.85	0.41	ND
Phenol	.03 or MDL	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	1,000	0.22	ND	0.99	0.18	1.4	ND	1.2	0.44	ND
Total Semi-volatile Organic Compounds	500	--	1.378	0.11	4.28	0.947	8.915	ND	6.67	2.728	0.071

Notes and Abbreviations:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) # 4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard Available
MDL: Method Detection Limit
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.2A

SOIL ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AE 2102S	AE21S06S	AE21S10S	AEG 02D02S	AEG 02D15S	AEG 02D35S	AEG 03D02S	AEG 03D15S	AEG 03D35S
Lab ID			AC43940-008	AC44023-017	AC44023-018	AC43799-005	AC43830-005	AC43830-004	AC43799-006	AC43830-006	AC43830-007
Sample Depth (feet)			2	6	10	2	15	35	2	15	35
Collection Date			4/10/2009	4/14/2009	4/14/2009	4/3/2009	4/6/2009	4/6/2009	4/3/2009	4/6/2009	4/6/2009
Compound (ppm)											
1,2,4-Trichlorobenzene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	--	1.4	7.4	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	.043 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	.33 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	0.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	.5 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	.24 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	.22 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50	1,000	0.67	11	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41	1,000	0.39	ND	ND	0.37	ND	ND	ND	ND	ND
Aniline	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	1,000	1.7	13	ND	0.73	ND	ND	ND	ND	ND
Benzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	.224 or MDL	11	**3.7**	**16**	ND	**2.7**	ND	ND	ND	ND	ND
Benzo(a)pyrene	.061 or MDL	1.1	**3.5**	**14**	ND	**1.9**	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.1	11	**5**	**18**	0.076	**2.6**	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	50	1,000	3.4	9.4	ND	0.91	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	1.1	110	**1.3**	**7.5**	ND	0.73	ND	ND	ND	ND	ND
Benzoic acid	50.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	--	ND	ND	0.15	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	50	--	0.55	6	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.4	110	**3.8**	**15**	0.068	**2.1**	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	.014 or MDL	1.1	**0.91**	**3.1**	ND	**0.34**	ND	ND	ND	ND	ND
Dibenzofuran	6.2	--	0.4	**8.1**	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	7.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	1,000	6.9	36	0.091	3.7	ND	ND	0.083	ND	ND
Fluorene	50	1,000	0.66	12	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.41	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3.2	11	2.8	**7.9**	ND	0.83	ND	ND	ND	ND	ND
Isophorone	4.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13	1,000	0.98	**24**	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1 or MDL	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	1,000	6.8	46	0.069	2.3	ND	ND	ND	ND	ND
Phenol	.03 or MDL	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	1,000	7.9	28	0.096	3.7	ND	ND	ND	ND	ND
Total Semi-volatile Organic Compounds	500	--	52.76	282.4	0.55	22.91	ND	ND	0.083	ND	ND

Notes and Abbreviations:
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Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.2A

SOIL ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AEG 04D02S	AEG 04D15S	AEG 04D35S	AEG 09D02S	AEG 09D15S	AEG 09D35S	AEG10D02S	AEG 10D02S	AEG 10D15S
Lab ID			AC43830-008	AC43914-005	AC43914-006	AC43799-004	AC43830-003	AC43830-002	AC43757-004	AC43914-007	AC43914-009
Sample Depth (feet)			2	15	35	2	15	35	2	2	15
Collection Date			4/7/2009	4/7/2009	4/7/2009	4/3/2009	4/6/2009	4/6/2009	4/1/2009	4/7/2009	4/8/2009
Compound (ppm)											
1,2,4-Trichlorobenzene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	--	ND	ND	ND	ND	ND	ND	1.6	ND	ND
2-Methylphenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	.043 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	.33 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	0.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	.5 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	.24 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	.22 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50	1,000	ND	ND	ND	ND	0.1	ND	0.5	ND	ND
Acenaphthylene	41	1,000	0.072	ND	ND	ND	ND	ND	3.1	ND	ND
Aniline	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	1,000	0.082	ND	ND	ND	0.14	ND	4.3	ND	ND
Benzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	.224 or MDL	11	**0.27**	ND	ND	0.11	**0.67**	ND	**5.8**	**0.25**	ND
Benzo(a)pyrene	.061 or MDL	1.1	**0.27**	ND	ND	**0.096**	**0.45**	ND	**11**	**0.23**	ND
Benzo(b)fluoranthene	1.1	11	0.52	ND	ND	0.22	0.41	ND	**15**	0.33	ND
Benzo(g,h,i)perylene	50	1,000	0.25	ND	ND	0.095	0.21	ND	15	0.19	ND
Benzo(k)fluoranthene	1.1	110	0.17	ND	ND	0.084	0.12	ND	**3**	0.15	ND
Benzoic acid	50.0	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	--	ND	0.092	ND	ND	2	ND	ND	ND	0.15
Butylbenzylphthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	50	--	ND	ND	ND	ND	ND	ND	1.2	ND	ND
Chrysene	0.4	110	0.34	ND	ND	0.15	**0.89**	ND	**7.9**	0.25	ND
Dibenz(a,h)anthracene	.014 or MDL	1.1	ND	ND	ND	ND	**0.17**	ND	**3**	ND	ND
Dibenzofuran	6.2	--	ND	ND	ND	ND	0.11	ND	0.54	ND	ND
Diethylphthalate	7.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	1,000	0.51	ND	ND	0.2	0.31	ND	8.5	0.21	ND
Fluorene	50	1,000	ND	ND	ND	ND	0.17	ND	0.68	ND	ND
Hexachlorobenzene	0.41	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3.2	11	0.22	ND	ND	0.079	0.14	ND	**12**	0.16	ND
Isophorone	4.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13	1,000	ND	ND	ND	ND	ND	ND	1.1	ND	ND
Nitrobenzene	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1 or MDL	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	1,000	0.24	ND	ND	ND	0.44	ND	6.5	0.093	ND
Phenol	.03 or MDL	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	1,000	0.50	ND	ND	0.17	0.48	ND	10	0.30	ND
Total Semi-volatile Organic Compounds	500	--	3.444	0.092	ND	1.204	6.81	ND	110.72	2.163	0.15

Notes and Abbreviations:
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--: No standard Available
MDL: Method Detection Limit
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
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TABLE 2.2A

SOIL ANALYTICAL RESULTS FOR TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AEG 10D35S	AEG14D02S	AEG 14D02S	AEG 14D15S	AEG 14D35S	AEG15D02S	AEG 15D15S	AEG 15D30S	AEG16D02S
Lab ID			AC43914-008	AC43757-003	AC43914-010	AC43914-012	AC43914-013	AC43757-002	AC43799-002	AC43799-003	AC43757-001
Sample Depth (feet)			35	2	2	15	35	2	15	30	2
Collection Date			4/8/2009	4/1/2009	4/8/2009	4/8/2009	4/8/2009	4/1/2009	4/2/2009	4/2/2009	4/1/2009
Compound (ppm)											
1,2,4-Trichlorobenzene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	--	ND	ND	ND	ND	ND	0.72	ND	ND	ND
2-Methylphenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	.043 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	.33 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	0.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	.5 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	.24 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	.22 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41	1,000	ND	0.082	ND	ND	ND	2.3	ND	ND	2.1
Aniline	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	1,000	ND	0.29	ND	ND	ND	3.8	ND	ND	2.2
Benzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	.224 or MDL	11	ND	**0.99**	ND	ND	ND	**11**	ND	ND	**13**
Benzo(a)pyrene	.061 or MDL	1.1	ND	**0.90**	ND	ND	ND	**7.3**	ND	ND	**13**
Benzo(b)fluoranthene	1.1	11	ND	**1.2**	ND	ND	ND	**11**	ND	ND	**15**
Benzo(g,h,i)perylene	50	1,000	ND	0.55	ND	ND	ND	4.6	ND	ND	8.7
Benzo(k)fluoranthene	1.1	110	ND	0.36	ND	ND	ND	**4.0**	ND	ND	**5.9**
Benzoic acid	50.0	--	ND	ND	ND	ND	ND	ND	0.35	ND	ND
bis(2-Chloroethoxy)methane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	50	--	ND	ND	ND	ND	ND	2.3	ND	ND	ND
Chrysene	0.4	110	ND	**0.85**	ND	ND	ND	**9.6**	ND	ND	**11**
Dibenz(a,h)anthracene	.014 or MDL	1.1	ND	**0.13**	ND	ND	ND	**1.8**	ND	ND	**2.2**
Dibenzofuran	6.2	--	ND	ND	ND	ND	ND	0.98	ND	ND	ND
Diethylphthalate	7.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	1,000	ND	2.0	0.086	ND	ND	20	ND	ND	23
Fluorene	50	1,000	ND	ND	ND	ND	ND	**0.55**	ND	ND	ND
Hexachlorobenzene	0.41	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3.2	11	ND	0.49	ND	ND	ND	**4.5**	ND	ND	**7.6**
Isophorone	4.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13	1,000	ND	ND	ND	ND	ND	0.46	ND	ND	ND
Nitrobenzene	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1 or MDL	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	1,000	ND	0.77	ND	ND	ND	14	ND	ND	11
Phenol	.03 or MDL	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	1,000	ND	2.3	0.093	ND	ND	18	ND	ND	26
Total Semi-volatile Organic Compounds	500	--	ND	10.912	0.179	ND	ND	116.91	0.35	ND	140.7

Notes and Abbreviations:
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--: No standard Available
MDL: Method Detection Limit
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.2A

SOIL ANALYTICAL RESULTS FOR TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AEG16D16S	AEG16D35S	AEG16D40S	SAE22S01S	SAE22S06S	SAE23S01S	SAE23S06S	SAE23S08S	FB 041509
Lab ID			AC43757-005	AC43757-006	AC43757-007	AC44739-001	AC44739-003	AC44739-002	AC44739-004	AC44739-005	AC44026-005
Sample Depth (feet)			16	35	40	01	06	01	06	08	-
Collection Date			4/1/2009	4/1/2009	4/1/2009	5/19/2009	5/19/2009	5/19/2009	5/19/2009	5/19/2009	4/15/2009
Compound (ppm)											
1,2,4-Trichlorobenzene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	.043 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	.33 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	0.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	.5 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	.24 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	.22 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41	1,000	ND	ND	ND	0.084	ND	ND	ND	ND	ND
Aniline	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	1,000	ND	ND	ND	0.11	ND	0.086	ND	ND	ND
Benzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	.224 or MDL	11	ND	ND	ND	0.40	ND	0.29	0.075	ND	ND
Benzo(a)pyrene	.061 or MDL	1.1	ND	ND	ND	0.39	ND	0.27	0.092	ND	ND
Benzo(b)fluoranthene	1.1	11	ND	ND	ND	0.69	ND	0.45	0.13	ND	ND
Benzo(g,h,i)perylene	50	1,000	ND	ND	ND	0.30	ND	0.18	0.093	ND	ND
Benzo(k)fluoranthene	1.1	110	ND	ND	ND	0.20	ND	0.12	ND	ND	ND
Benzoic acid	50.0	--	ND	ND	0.24	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	--	0.18	ND	ND	0.17	0.14	0.17	0.079	ND	ND
Butylbenzylphthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.4	110	ND	ND	ND	0.50	ND	0.31	0.081	ND	ND
Dibenz(a,h)anthracene	.014 or MDL	1.1	ND	ND	ND	0.089	ND	ND	ND	ND	ND
Dibenzofuran	6.2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	7.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	1,000	ND	ND	ND	0.68	0.10	0.46	0.13	ND	ND
Fluorene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.41	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3.2	11	ND	ND	ND	0.25	ND	0.16	0.074	ND	ND
Isophorone	4.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiethylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1 or MDL	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	1,000	ND	ND	ND	0.28	0.092	0.29	0.071	ND	ND
Phenol	.03 or MDL	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	1,000	ND	ND	ND	0.92	0.081	0.55	0.13	ND	ND
Total Semi-volatile Organic Compounds	500	--	0.18	ND	0.24	5.063	0.653	3.330	0.955	ND	ND

Notes and Abbreviations:
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All values are in ppm: parts per million (mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	**NYSDEC TAGM RSCOs (1)**	**EASTERN USA BACKGROUND (2)**	**Part 375 Industrial SCOs (3)**	AE01D02S		AE01D20S		AE01D35S		AE 05D02S		AE05DS15S
Lab ID				AC43914-016		AC44023-025		AC44023-026		AC43830-001		AC44023-023
Sample Depth (feet)				2		20		35		2		15
Collection Date				4/9/2009		4/15/2009		4/15/2009		4/6/2009		4/15/2009
Compound (ppm)												
Aluminum	SB	33,000	--	17,000		2,000		3,300		12,000		4,800
Antimony	SB	--	--	ND		ND		ND		ND		ND
Arsenic	7.5 or SB	3-12	16	5.9		3.2		ND		2.9		ND
Barium	300 or SB	15-600	10,000	52		12		26		34		40
Beryllium	0.16 or SB	0-1.75	2,700	ND		ND		ND		ND		ND
Cadmium	10*	0.1-1	60	ND		ND		ND		ND		ND
Calcium	SB	130-35,000	--	1,400		ND		ND		4,900		ND
Chromium III	50*	1.5-40	800	22		ND		11		20		11
Cobalt	30 or SB	2.5-60	--	8.9		3.0		4.6		9.5		6.0
Copper	25 or SB	1-50	10,000	14		10		10		17		19
Iron	2,000 or SB	2,000-550,000	--	**24,000**		**13,000**		**15,000**		**21,000**		**19,000**
Lead	SB	200-500	3,900	16		ND		ND		11		ND
Magnesium	SB	100-5,000	--	2,600		1,400		1,000		2,900		2,100
Manganese	SB	50-5,000	10,000	530		200		220		330		310
Mercury	0.1	0.001-0.2	6	ND		ND		ND		ND		ND
Nickel	13 or SB	.5-25	10,000	**14**		9.6		9.0		**19**		**15**
Potassium	SB	8,500-43,000	--	800		ND		ND		690		560
Selenium	2 or SB	0.1-3.9	6,800	**4.0**		ND		ND		**3.3**		**3.2**
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	ND		ND		ND		ND		ND
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	33		ND		17		30		19
Zinc	20 or SB	9-50	10,000	**29**		ND		17		**57**		**24**

Notes and abbreviations:

1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical and Administrative Guidance Memo (TAGM) #4046

2 - Average Eastern USA or NYS Background Concentration, as listed in NYSDEC TAGM #4046

3- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)

All values are in ppm: parts per million (mg/kg)

SB - Site Background

* From NYSDEC proposed revisions to TAGM RSCOs

--: No Standard available

Bold - denotes RSCOs exceedance. **Bold** denotes both RSCOs and SB exceedence Exceeds Part 375 Restricted Use Industrial SCOs

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

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Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	**NYSDEC TAGM RSCOs (1)**	**EASTERN USA BACKGROUND (2)**	**Part 375 Industrial SCOs (3)**	AE05DS30S		AE 06S02S		AE06S08S		AE06S15S		AE07S02S
Lab ID				AC44023-024		AC43940-001		AC44023-015		AC44023-016		AC43757-009
Sample Depth (feet)				30		2		8		15		2
Collection Date				4/15/2009		4/9/2009		4/14/2009		4/14/2009		4/1/2009
Compound (ppm)												
Aluminum	SB	33,000	--	1,600		5,600		3,000		2,500		4,000
Antimony	SB	--	--	ND		ND		ND		ND		ND
Arsenic	7.5 or SB	3-12	16	ND		6.4		2.7		ND		**9.1**
Barium	300 or SB	15-600	10,000	14		230		33		29		160
Beryllium	0.16 or SB	0-1.75	2,700	ND		ND		ND		ND		**1.4**
Cadmium	10*	0.1-1	60	ND		0.90		ND		ND		ND
Calcium	SB	130-35,000	--	ND		3,100		ND		ND		7,500
Chromium III	50*	1.5-40	800	5.4		24		14		27		26
Cobalt	30 or SB	2.5-60	--	ND		6.5		3.7		5.2		5.5
Copper	25 or SB	1-50	10,000	5.9		**46**		17		**26**		**28**
Iron	2,000 or SB	2,000-550,000	--	**8,200**		**16,000**		**9,500**		**47,000**		**16,000**
Lead	SB	200-500	3,900	ND		**530**		27		71		12
Magnesium	SB	100-5,000	--	710		1,800		1,200		820		1,300
Manganese	SB	50-5,000	10,000	180		260		220		510		26
Mercury	0.1	0.001-0.2	6	ND		ND		ND		ND		ND
Nickel	13 or SB	.5-25	10,000	5.7		11		11		**17**		13
Potassium	SB	8,500-43,000	--	ND		680		ND		ND		1,200
Selenium	2 or SB	0.1-3.9	6,800	ND		**3.4**		ND		**3.5**		ND
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	ND		ND		ND		ND		1,400
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	ND		17		ND		20		ND
Zinc	20 or SB	9-50	10,000	11		**120**		**28**		**22**		14

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Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	AE07S05S		AE 07S10S		AE 08S02S		AE08S06S		AE08S10S
Lab ID				AC43799-001		AC43914-003		AC43914-002		AC44023-013		AC44023-014
Sample Depth (feet)				5		10		2		6		10
Collection Date				4/2/2009		4/7/2009		4/7/2009		4/14/2009		4/14/2009
Compound (ppm)												
Aluminum	SB	33,000	--	4,700		2,600		10,000		7,400		6,900
Antimony	SB	--	--	ND		ND		ND		ND		ND
Arsenic	7.5 or SB	3-12	16	2.7		ND		4.4		4.0		ND
Barium	300 or SB	15-600	10,000	32		33		61		59		37
Beryllium	0.16 or SB	0-1.75	2,700	**1.4**		ND		ND		ND		ND
Cadmium	10*	0.1-1	60	ND		ND		ND		ND		ND
Calcium	SB	130-35,000	--	1,200		1,200		4,400		**50,000**		20,000
Chromium III	50*	1.5-40	800	24		13		21		19		21
Cobalt	30 or SB	2.5-60	--	8.7		2.8		6.2		7.0		5.8
Copper	25 or SB	1-50	10,000	**35**		9.4		20		**36**		**33**
Iron	2,000 or SB	2,000-550,000	--	**37,000**		**12,000**		**18,000**		**25,000**		**14,000**
Lead	SB	200-500	3,900	29		6.7		26		31		9.8
Magnesium	SB	100-5,000	--	1,800		1,300		2,100		**5,500**		**5,700**
Manganese	SB	50-5,000	10,000	730		440		460		490		380
Mercury	0.1	0.001-0.2	6	ND		ND		ND		ND		ND
Nickel	13 or SB	.5-25	10,000	**19**		11		11		**14**		**20**
Potassium	SB	8,500-43,000	--	530		ND		710		1,000		620
Selenium	2 or SB	0.1-3.9	6,800	ND		ND		ND		ND		ND
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	ND		ND		ND		430		600
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	24		11		26		32		28
Zinc	20 or SB	9-50	10,000	**31**		12		**26**		**33**		**21**

Notes and abbreviations:
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2 - Average Eastern USA or NYS Background Concentration, as listed in NYSDEC TAGM #4046
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All values are in ppm: parts per million (mg/kg)
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* From NYSDEC proposed revisions to TAGM RSCOs
--: No Standard available
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NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	**NYSDEC TAGM RSCOs (1)**	**EASTERN USA BACKGROUND (2)**	**Part 375 Industrial SCOs (3)**	AE 11S02S		AE11S06S		AE11S10S		AE12D02S		AE 12D15S
Lab ID				AC43940-007		AC44026-001		AC44026-002		AC43757-008		AC43914-004
Sample Depth (feet)				2		6		10		2		15
Collection Date				4/10/2009		4/15/2009		4/15/2009		4/1/2009		4/7/2009
Compound (ppm)												
Aluminum	SB	33,000	--	1,500		6,300		6,600		5,300		3,600
Antimony	SB	--	--	17		ND		ND		13		ND
Arsenic	7.5 or SB	3-12	16	**34**		5.1		ND		**12**		2.1
Barium	300 or SB	15-600	10,000	97		41		42		91		26
Beryllium	0.16 or SB	0-1.75	2,700	ND		ND		ND		**1.6**		ND
Cadmium	10*	0.1-1	60	1.5		ND		ND		ND		ND
Calcium	SB	130-35,000	--	3,100		33,000		1,500		9,200		ND
Chromium III	50*	1.5-40	800	29		16		13		17		11
Cobalt	30 or SB	2.5-60	--	15		8.4		6.0		7.8		5.1
Copper	25 or SB	1-50	10,000	**290**		**79**		21		**470**		19
Iron	2,000 or SB	2,000-550,000	--	**170,000**		**29,000**		**40,000**		**40,000**		**21,000**
Lead	SB	200-500	3,900	**1,300**		160		ND		**730**		ND
Magnesium	SB	100-5,000	--	ND		3,000		2,400		2,500		1,900
Manganese	SB	50-5,000	10,000	410		300		430		550		260
Mercury	0.1	0.001-0.2	6	**0.17**		ND		ND		**0.51**		ND
Nickel	13 or SB	.5-25	10,000	**43**		**15**		**16**		**17**		11
Potassium	SB	8,500-43,000	--	730		ND		570		960		740
Selenium	2 or SB	0.1-3.9	6,800	ND		**6.5**		**7.9**		ND		**3.7**
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	470		ND		ND		310		ND
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	25		23		24		24		22
Zinc	20 or SB	9-50	10,000	**370**		**270**		**24**		**170**		**22**

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J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
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Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	**NYSDEC TAGM RSCOs (1)**	**EASTERN USA BACKGROUND (2)**	**Part 375 Industrial SCOs (3)**	AE 12D30S		AE 13S02S		AE13S08S		AE13S10S		AE17D02S
Lab ID				AC43914-001		AC43914-011		AC44023-012		AC44023-011		AC44023-003
Sample Depth (feet)				30		2		8		10		2
Collection Date				4/7/2009		4/8/2009		4/14/2009		4/14/2009		4/13/2009
Compound (ppm)												
Aluminum	SB	33,000	--	2,200		16,000		3,900		3,100		17,000
Antimony	SB	--	--	ND		ND		ND		ND		ND
Arsenic	7.5 or SB	3-12	16	ND		6.1		ND		ND		6.8
Barium	300 or SB	15-600	10,000	ND		82		24		25		47
Beryllium	0.16 or SB	0-1.75	2,700	ND		ND		ND		ND		ND
Cadmium	10*	0.1-1	60	ND		ND		ND		ND		ND
Calcium	SB	130-35,000	--	ND		4,100		ND		ND		1,300
Chromium III	50*	1.5-40	800	8.2		22		17		16		25
Cobalt	30 or SB	2.5-60	--	ND		7.4		6.7		4.4		9.8
Copper	25 or SB	1-50	10,000	13		24		13		10		20
Iron	2,000 or SB	2,000-550,000	--	**8,300**		**24,000**		**17,000**		**15,000**		**29,000**
Lead	SB	200-500	3,900	ND		47		ND		ND		17
Magnesium	SB	100-5,000	--	720		2,500		1,100		930		3,600
Manganese	SB	50-5,000	10,000	86		680		410		480		280
Mercury	0.1	0.001-0.2	6	ND		ND		ND		ND		ND
Nickel	13 or SB	.5-25	10,000	6.8		12		**18**		**15**		**17**
Potassium	SB	8,500-43,000	--	ND		780		ND		ND		1,300
Selenium	2 or SB	0.1-3.9	6,800	ND		**3.8**		ND		ND		ND
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	ND		ND		ND		ND		ND
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	10		32		18		15		39
Zinc	20 or SB	9-50	10,000	14		**31**		18		14		**46**

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Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	AE17D15S		AE17D30S		AE18S02S		AE18S08S		AE18S15S
Lab ID				AC44023-019		AC44023-020		AC43940-009		AC44023-009		AC44023-010
Sample Depth (feet)				15		30		2		8		15
Collection Date				4/15/2009		4/15/2009		4/10/2009		4/14/2009		4/14/2009
Compound (ppm)												
Aluminum	SB	33,000	--	2,600		3,600		11,000		3,800		2,400
Antimony	SB	--	--	ND		ND		ND		28		ND
Arsenic	7.5 or SB	3-12	16	ND		ND		5.8		ND		ND
Barium	300 or SB	15-600	10,000	26		30		52		32		28
Beryllium	0.16 or SB	0-1.75	2,700	ND		ND		ND		ND		ND
Cadmium	10*	0.1-1	60	ND		ND		ND		4.2		ND
Calcium	SB	130-35,000	--	ND		1,100		ND		ND		ND
Chromium III	50*	1.5-40	800	13		18		23		**1,600**		11
Cobalt	30 or SB	2.5-60	--	5.3		4.4		9.1		14		4.0
Copper	25 or SB	1-50	10,000	16		12		**39**		**96**		11
Iron	2,000 or SB	2,000-550,000	--	**25,000**		**16,000**		**30,000**		**180,000**		**14,000**
Lead	SB	200-500	3,900	6.3		ND		23		ND		ND
Magnesium	SB	100-5,000	--	920		1,300		2,400		1,100		1,000
Manganese	SB	50-5,000	10,000	380		280		390		1,000		400
Mercury	0.1	0.001-0.2	6	ND		ND		ND		ND		ND
Nickel	13 or SB	.5-25	10,000	11		**17**		**17**		**92**		10
Potassium	SB	8,500-43,000	--	ND		ND		810		620		ND
Selenium	2 or SB	0.1-3.9	6,800	**3.9**		**2.6**		**5.3**		ND		ND
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	ND		ND		ND		ND		ND
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	20		23		33		37		12
Zinc	20 or SB	9-50	10,000	20		**22**		**120**		**23**		13

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Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	AE19S02S		AE19S06S		AE19S10S		AE20S02S		AE20S08S
Lab ID				AC44023-001		AC44023-007		AC44023-008		AC44023-002		AC44023-021
Sample Depth (feet)				2		6		10		2		8
Collection Date				4/13/2009		4/14/2009		4/14/2009		4/13/2009		4/15/2009
Compound (ppm)												
Aluminum	SB	33,000	--	17,000		11,000		4,500		13,000		3,900
Antimony	SB	--	--	ND		ND		ND		ND		ND
Arsenic	7.5 or SB	3-12	16	5.8		**8.8**		ND		**11**		ND
Barium	300 or SB	15-600	10,000	120		62		24		40		22
Beryllium	0.16 or SB	0-1.75	2,700	ND		ND		ND		ND		ND
Cadmium	10*	0.1-1	60	ND		ND		ND		ND		ND
Calcium	SB	130-35,000	--	3,100		12,000		2,500		ND		ND
Chromium III	50*	1.5-40	800	33		26		25		40		17
Cobalt	30 or SB	2.5-60	--	11		6.4		11		10		3.7
Copper	25 or SB	1-50	10,000	**47**		**89**		22		19		12
Iron	2,000 or SB	2,000-550,000	--	**30,000**		**21,000**		**23,000**		**28,000**		**12,000**
Lead	SB	200-500	3,900	63		160		ND		8.4		ND
Magnesium	SB	100-5,000	--	4,400		**7,800**		2,900		2,600		1,400
Manganese	SB	50-5,000	10,000	820		310		340		380		230
Mercury	0.1	0.001-0.2	6	ND		ND		ND		ND		ND
Nickel	13 or SB	.5-25	10,000	**21**		**18**		**21**		**19**		12
Potassium	SB	8,500-43,000	--	1,200		1,000		ND		950		ND
Selenium	2 or SB	0.1-3.9	6,800	ND		**2.3**		ND		ND		ND
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	ND		ND		ND		ND		ND
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	47		52		20		39		14
Zinc	20 or SB	9-50	10,000	**120**		**140**		**30**		**32**		14

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Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	AE20S15S		AE 2102S		AE21S06S		AE21S10S		AE 02D02S
Lab ID				AC44023-022		AC43940-008		AC44023-017		AC44023-018		AC43799-005
Sample Depth (feet)				15		2		6		10		2
Collection Date				4/15/2009		4/10/2009		4/14/2009		4/14/2009		4/3/2009
Compound (ppm)												
Aluminum	SB	33,000	--	2,200		4,100		3,500		2,900		16,000
Antimony	SB	--	--	ND		5.9		4.4		ND		ND
Arsenic	7.5 or SB	3-12	16	ND		**22**		**17**		ND		5.1
Barium	300 or SB	15-600	10,000	24		120		120		29		110
Beryllium	0.16 or SB	0-1.75	2,700	ND		ND		ND		ND		**1.4**
Cadmium	10*	0.1-1	60	ND		0.98		3.2		ND		ND
Calcium	SB	130-35,000	--	ND		1,200		10,000		ND		4,300
Chromium III	50*	1.5-40	800	15		**63**		21		7.3		24
Cobalt	30 or SB	2.5-60	--	5.3		9.4		6.5		5.1		5.6
Copper	25 or SB	1-50	10,000	18		**150**		**95**		16		13
Iron	2,000 or SB	2,000-550,000	--	**37,000**		**47,000**		**32,000**		**16,000**		**19,000**
Lead	SB	200-500	3,900	ND		230		230		ND		45
Magnesium	SB	100-5,000	--	900		1,300		1,500		1,000		2,100
Manganese	SB	50-5,000	10,000	540		410		250		390		560
Mercury	0.1	0.001-0.2	6	ND		**0.20**		**0.16**		ND		ND
Nickel	13 or SB	.5-25	10,000	13		**67**		**22**		11		**14**
Potassium	SB	8,500-43,000	--	ND		ND		ND		550		1,000
Selenium	2 or SB	0.1-3.9	6,800	**5.3**		**8.7**		**3.3**		**2.4**		ND
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	ND		310		400		ND		ND
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	26		24		30		11		32
Zinc	20 or SB	9-50	10,000	**21**		**110**		**130**		**31**		**34**

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Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	AEG 02D15S		AEG 02D35S		AEG 03D02S		AEG 03D15S		AEG 03D35S
Lab ID				AC43830-005		AC43830-004		AC43799-006		AC43830-006		AC43830-007
Sample Depth (feet)				15		35		2		15		35
Collection Date				4/6/2009		4/6/2009		4/3/2009		4/6/2009		4/6/2009
Compound (ppm)												
Aluminum	SB	33,000	--	3,900		1,700		16,000		3,500		1,900
Antimony	SB	--	--	ND		ND		ND		ND		ND
Arsenic	7.5 or SB	3-12	16	ND		ND		4.0		ND		ND
Barium	300 or SB	15-600	10,000	34		12		88		41		12
Beryllium	0.16 or SB	0-1.75	2,700	ND		ND		**1.3**		ND		ND
Cadmium	10*	0.1-1	60	ND		ND		ND		ND		ND
Calcium	SB	130-35,000	--	ND		ND		1,500		ND		ND
Chromium III	50*	1.5-40	800	9.8		6.8		23		10		ND
Cobalt	30 or SB	2.5-60	--	5.2		ND		5.2		4.3		ND
Copper	25 or SB	1-50	10,000	15		6.1		21		17		5.6
Iron	2,000 or SB	2,000-550,000	--	**19,000**		**11,000**		**17,000**		**20,000**		**7,900**
Lead	SB	200-500	3,900	ND		ND		38		ND		ND
Magnesium	SB	100-5,000	--	2,000		670		1,800		1,500		760
Manganese	SB	50-5,000	10,000	350		140		430		350		120
Mercury	0.1	0.001-0.2	6	ND		ND		ND		ND		ND
Nickel	13 or SB	.5-25	10,000	11		6.6		11		11		5.8
Potassium	SB	8,500-43,000	--	800		ND		850		780		ND
Selenium	2 or SB	0.1-3.9	6,800	**3.2**		**2.1**		ND		**2.5**		ND
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	ND		ND		ND		ND		ND
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	15		11		30		14		ND
Zinc	20 or SB	9-50	10,000	**22**		11		**180**		17		ND

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Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	AEG 04D02S		AEG 04D15S		AEG 04D35S		AEG 09D02S		AEG 09D15S
Lab ID				AC43830-008		AC43914-005		AC43914-006		AC43799-004		AC43830-003
Sample Depth (feet)				2		15		35		2		15
Collection Date				4/7/2009		4/7/2009		4/7/2009		4/3/2009		4/6/2009
Compound (ppm)												
Aluminum	SB	33,000	--	5,400		2,200		1,700		5,900		6,100
Antimony	SB	--	--	ND		ND		ND		ND		ND
Arsenic	7.5 or SB	3-12	16	3.8		4.4		ND		3.5		ND
Barium	300 or SB	15-600	10,000	37		17		12		35		60
Beryllium	0.16 or SB	0-1.75	2,700	ND		ND		ND		**0.72**		ND
Cadmium	10*	0.1-1	60	ND		ND		ND		ND		ND
Calcium	SB	130-35,000	--	4,200		ND		ND		ND		1,500
Chromium III	50*	1.5-40	800	10		10		6.6		10		29
Cobalt	30 or SB	2.5-60	--	3.9		3.5		ND		4.7		7.8
Copper	25 or SB	1-50	10,000	**37**		8.9		6.0		17		**38**
Iron	2,000 or SB	2,000-550,000	--	**12,000**		**14,000**		**10,000**		**10,000**		**28,000**
Lead	SB	200-500	3,900	34		ND		ND		20		21
Magnesium	SB	100-5,000	--	1,700		990		680		1,500		2,700
Manganese	SB	50-5,000	10,000	170		200		190		240		660
Mercury	0.1	0.001-0.2	6	ND		ND		ND		ND		ND
Nickel	13 or SB	.5-25	10,000	9.3		7.7		5.4		8.9		**17**
Potassium	SB	8,500-43,000	--	580		660		ND		730		1,700
Selenium	2 or SB	0.1-3.9	6,800	ND		ND		ND		ND		**3.6**
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	ND		ND		ND		ND		ND
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	19		11		ND		14		25
Zinc	20 or SB	9-50	10,000	**55**		11		ND		**41**		**66**

Notes and abbreviations:
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All values are in ppm: parts per million (mg/kg)
SB - Site Background
* From NYSDEC proposed revisions to TAGM RSCOs
--: No Standard available
Bold - denotes RSCOs exceedance. **Bold** denotes both RSCOs and SB exceedence Exceeds Part 375 Restricted Use Industrial SCOs
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	**NYSDEC TAGM RSCOs (1)**	**EASTERN USA BACKGROUND (2)**	**Part 375 Industrial SCOs (3)**	AEG 09D35S		AEG10D02S		AEG 10D02S		AEG 10D15S		AEG 10D35S
Lab ID				AC43830-002		AC43757-004		AC43914-007		AC43914-009		AC43914-008
Sample Depth (feet)				35		2		2		15		35
Collection Date				4/6/2009		4/1/2009		4/7/2009		4/8/2009		4/8/2009
Compound (ppm)												
Aluminum	SB	33,000	--	1,800		4,600		15,000		4,100		2,300
Antimony	SB	--	--	ND		15		ND		ND		ND
Arsenic	7.5 or SB	3-12	16	ND		**27**		5.2		3.9		ND
Barium	300 or SB	15-600	10,000	16		**720**		40		34		12
Beryllium	0.16 or SB	0-1.75	2,700	ND		**1.6**		ND		ND		ND
Cadmium	10*	0.1-1	60	ND		6.0		ND		ND		ND
Calcium	SB	130-35,000	--	ND		12,000		4,700		ND		ND
Chromium III	50*	1.5-40	800	7.0		**170**		20		18		6.3
Cobalt	30 or SB	2.5-60	--	ND		**51**		5.2		6.1		ND
Copper	25 or SB	1-50	10,000	7.3		**540**		19		17		6.3
Iron	2,000 or SB	2,000-550,000	--	**12,000**		**81,000**		**19,000**		**31,000**		**12,000**
Lead	SB	200-500	3,900	ND		**1,500**		14		ND		ND
Magnesium	SB	100-5,000	--	640		3,400		2,900		1,700		850
Manganese	SB	50-5,000	10,000	230		560		150		440		150
Mercury	0.1	0.001-0.2	6	ND		**0.99**		**0.12**		ND		ND
Nickel	13 or SB	.5-25	10,000	6.2		**43**		11		**15**		ND
Potassium	SB	8,500-43,000	--	ND		950		1,200		970		ND
Selenium	2 or SB	0.1-3.9	6,800	**2.5**		ND		**2.7**		**3.5**		2.0
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	ND		500		920		280		ND
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	11		39		28		21		11
Zinc	20 or SB	9-50	10,000	17		**590**		**28**		**26**		ND

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All values are in ppm: parts per million (mg/kg)
SB - Site Background
* From NYSDEC proposed revisions to TAGM RSCOs
--: No Standard available
Bold - denotes RSCOs exceedance. **Bold** denotes both RSCOs and SB exceedence Exceeds Part 375 Restricted Use Industrial SCOs
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	AEG14D02S		AEG 14D02S		AEG 14D15S		AEG 14D35S		AEG15D02S
Lab ID				AC43757-003		AC43914-010		AC43914-012		AC43914-013		AC43757-002
Sample Depth (feet)				2		2		15		35		2
Collection Date				4/1/2009		4/8/2009		4/8/2009		4/8/2009		4/1/2009
Compound (ppm)												
Aluminum	SB	33,000	--	12,000		18,000		2,300		1,800		12,000
Antimony	SB	--	--	ND		ND		ND		ND		71
Arsenic	7.5 or SB	3-12	16	3.9		5.8		ND		3.6		**14**
Barium	300 or SB	15-600	10,000	62		80		29		13		130
Beryllium	0.16 or SB	0-1.75	2,700	**1.0**		ND		ND		ND		**1.2**
Cadmium	10*	0.1-1	60	ND		ND		ND		ND		0.73
Calcium	SB	130-35,000	--	ND		ND		ND		ND		23,000
Chromium III	50*	1.5-40	800	25		23		7.6		10		35
Cobalt	30 or SB	2.5-60	--	6.3		7.1		2.6		4.1		11
Copper	25 or SB	1-50	10,000	19		13		5.4		8.9		**1,300**
Iron	2,000 or SB	2,000-550,000	--	**20,000**		**23,000**		**8,300**		**18,000**		**45,000**
Lead	SB	200-500	3,900	11		39		ND		ND		**1,500**
Magnesium	SB	100-5,000	--	1,900		2,100		900		670		**5,100**
Manganese	SB	50-5,000	10,000	270		790		130		250		530
Mercury	0.1	0.001-0.2	6	ND		ND		ND		ND		**0.17**
Nickel	13 or SB	.5-25	10,000	13		12		6.6		6.9		**22**
Potassium	SB	8,500-43,000	--	650		730		590		ND		1,200
Selenium	2 or SB	0.1-3.9	6,800	ND		**3.3**		ND		**3.3**		ND
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	ND		ND		ND		ND		410
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	27		32		ND		15		32
Zinc	20 or SB	9-50	10,000	**45**		**30**		ND		16		**260**

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All values are in ppm: parts per million (mg/kg)
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--: No Standard available
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NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	AEG 15D15S		AEG 15D30S		AEG16D02S		AEG16D16S		AEG16D35S
Lab ID				AC43799-002		AC43799-003		AC43757-001		AC43757-005		AC43757-006
Sample Depth (feet)				15		30		2		16		35
Collection Date				4/2/2009		4/2/2009		4/1/2009		4/1/2009		4/1/2009
Compound (ppm)												
Aluminum	SB	33,000	--	2,700		1,800		6,900		2,600		1,800
Antimony	SB	--	--	ND		ND		ND		ND		ND
Arsenic	7.5 or SB	3-12	16	ND		ND		2.6		ND		ND
Barium	300 or SB	15-600	10,000	29		12		29		30		12
Beryllium	0.16 or SB	0-1.75	2,700	**0.89**		ND		**0.78**		ND		ND
Cadmium	10*	0.1-1	60	ND		ND		ND		ND		ND
Calcium	SB	130-35,000	--	ND		ND		1,700		ND		ND
Chromium III	50*	1.5-40	800	17		6.8		14		11		6.8
Cobalt	30 or SB	2.5-60	--	3.9		ND		4.9		3.9		ND
Copper	25 or SB	1-50	10,000	9.2		5.8		**26**		12		7.7
Iron	2,000 or SB	2,000-550,000	--	**19,000**		**8,700**		**16,000**		**17,000**		**8,100**
Lead	SB	200-500	3,900	ND		ND		26		ND		ND
Magnesium	SB	100-5,000	--	1,600		620		1,900		1,200		650
Manganese	SB	50-5,000	10,000	300		140		270		400		130
Mercury	0.1	0.001-0.2	6	ND		ND		ND		ND		ND
Nickel	13 or SB	.5-25	10,000	11		ND		9.3		8.1		ND
Potassium	SB	8,500-43,000	--	720		ND		580		550		ND
Selenium	2 or SB	0.1-3.9	6,800	ND		ND		ND		ND		ND
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	ND		ND		ND		ND		ND
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	18		ND		18		13		ND
Zinc	20 or SB	9-50	10,000	16		ND		**21**		17		11

Notes and abbreviations:
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Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	AEG16D40S		SAE22S01S		SAE22S06S		SAE23S01S		SAE23S06S
Lab ID				AC43757-007		AC44739-001		AC44739-003		AC44739-002		AC44739-004
Sample Depth (feet)				40		1		6		1		6
Collection Date				4/1/2009		5/19/2009		5/19/2009		5/19/2009		5/19/2009
Compound (ppm)												
Aluminum	SB	33,000	--	2,000		4,700		4,200		5,400		6,200
Antimony	SB	--	--	ND		ND		ND		ND		ND
Arsenic	7.5 or SB	3-12	16	ND		5.3		ND		3.1		4.3
Barium	300 or SB	15-600	10,000	13		39		54		46		61
Beryllium	0.16 or SB	0-1.75	2,700	ND		ND		ND		ND		ND
Cadmium	10*	0.1-1	60	ND		ND		ND		ND		ND
Calcium	SB	130-35,000	--	ND		4,900		1,500		5,200		4,400
Chromium III	50*	1.5-40	800	6.4		12		24		14		19
Cobalt	30 or SB	2.5-60	--	ND		4.0		8.5		4.9		16
Copper	25 or SB	1-50	10,000	7.5		28		48		24		57
Iron	2,000 or SB	2,000-550,000	--	**7,900**		12,000		27,000		12,000		21,000
Lead	SB	200-500	3,900	ND		51		30		39		30
Magnesium	SB	100-5,000	--	840		1,500		1,900		2,100		2,400
Manganese	SB	50-5,000	10,000	150		160		570		230		790
Mercury	0.1	0.001-0.2	6	ND		ND		ND		0.33		ND
Nickel	13 or SB	.5-25	10,000	ND		7.3		19		11		26
Potassium	SB	8,500-43,000	--	ND		550		790		730		950
Selenium	2 or SB	0.1-3.9	6,800	ND		ND		ND		ND		ND
Silver	SB	--	6,800	ND		ND		ND		ND		ND
Sodium	SB	6,000-8,000	--	ND		340		ND		ND		420
Thallium	SB	--	--	ND		ND		ND		ND		ND
Vanadium	150 or SB	1-300	--	12		15		19		17		22
Zinc	20 or SB	9-50	10,000	14		56		31		57		27

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Table 2.3A
Soil Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	SAE23S08S		FB 041509
Lab ID				AC44739-005		AC44026-005
Sample Depth (feet)				8		-
Collection Date				5/19/2009		4/15/2009
Compound (ppm)						
Aluminum	SB	33,000	--	2,700		ND
Antimony	SB	--	--	ND		ND
Arsenic	7.5 or SB	3-12	16	ND		ND
Barium	300 or SB	15-600	10,000	34		ND
Beryllium	0.16 or SB	0-1.75	2,700	ND		ND
Cadmium	10*	0.1-1	60	ND		ND
Calcium	SB	130-35,000	--	ND		ND
Chromium III	50*	1.5-40	800	18		ND
Cobalt	30 or SB	2.5-60	--	5.9		ND
Copper	25 or SB	1-50	10,000	33		ND
Iron	2,000 or SB	2,000-550,000	--	36,000		ND
Lead	SB	200-500	3,900	5.2		ND
Magnesium	SB	100-5,000	--	1,100		ND
Manganese	SB	50-5,000	10,000	730		ND
Mercury	0.1	0.001-0.2	6	ND		ND
Nickel	13 or SB	.5-25	10,000	12		ND
Potassium	SB	8,500-43,000	--	ND		ND
Selenium	2 or SB	0.1-3.9	6,800	ND		ND
Silver	SB	--	6,800	ND		ND
Sodium	SB	6,000-8,000	--	ND		ND
Thallium	SB	--	--	ND		ND
Vanadium	150 or SB	1-300	--	21		ND
Zinc	20 or SB	9-50	10,000	22		ND

Notes and abbreviations:
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All values are in ppm: parts per million (mg/kg)
SB - Site Background
* From NYSDEC proposed revisions to TAGM RSCOs
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LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.4A

SOIL ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & POLYCHLORINATED BIPHENYLS (PCBs)

Sample ID **Lab ID** **Sample Depth (feet)** **Collection Date**	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AE01D02S AC43914-016 2 4/9/2009	AE01D20S AC44023-025 20 4/15/2009	AE01D35S AC44023-026 35 4/15/2009	AE 05D02S AC43830-001 2 4/6/2009	AE05DS15S AC44023-023 15 4/15/2009	AE05DS30S AC44023-024 30 4/15/2009	AE 06S02S AC43940-001 2 4/9/2009	AE06S08S AC44023-015 8 4/14/2009	AE06S15S AC44023-016 15 4/14/2009
Pesticides (ppm)											
Aldrin	0.041	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.11	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.2	14	ND	ND	ND	ND	ND	ND	0.0097	ND	ND
Chlordane, Total	0.54	47	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.3	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.044	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.1	410	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.06	23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.1	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.02	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2.9	180	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	2.1	120	0.005	ND	ND	ND	ND	ND	ND	0.0036	ND
4,4'-DDT	2.1	94	ND	ND	ND	ND	ND	ND	0.0055	ND	ND
Toxaphene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ppm)											
2,3,5-T	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	0.5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	0.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (ppm)											
Aroclor 1016	1/10**	25	ND	ND	ND	ND	ND	ND	0.35	ND	ND
Aroclor 1221	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1/10**	25	ND	ND	ND	ND	ND	ND	0.35	0.25	ND
Aroclor 1260	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1/10**	25	ND	ND	ND	ND	ND	ND	ND	0.25	ND

Notes and abbreviations:

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2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)

All values are in ppm- parts per million (mg/kg).

--: No Standard available

*: Standard applies to sum of these compounds.

**The RSCO for PCBs is one ppm for surface soils (<2 feet bgs) and ten ppm for sub-surface soils (>2 feet bgs).

Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

TABLE 2.4A

SOIL ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & POLYCHLORINATED BIPHENYLS (PCBs)

Sample ID **Lab ID** **Sample Depth (feet)** **Collection Date**	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AE07S02S AC43757-009 2 4/1/2009	AE07S05S AC43799-001 5 4/2/2009	AE 07S10S AC43914-003 10 4/7/2009	AE 08S02S AC43914-002 2 4/7/2009	AE08S06S AC44023-013 6 4/14/2009	AE08S10S AC44023-014 10 4/14/2009	AE 11S02S AC43940-007 2 4/10/2009	AE11S06S AC44026-001 6 4/15/2009	AE11S10S AC44026-002 10 4/15/2009
Pesticides (ppm)											
Aldrin	0.041	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.11	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.2	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane, Total	0.54	47	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.3	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.044	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.1	410	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.06	23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.1	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.02	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2.9	180	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	2.1	120	ND	ND	ND	ND	ND	ND	ND	0.0052	ND
4,4'-DDT	2.1	94	ND	ND	ND	ND	ND	ND	0.0390	ND	ND
Toxaphene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ppm)											
2,4,5-T	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	0.5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	0.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (ppm)											
Aroclor 1016	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes and abbreviations:

1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) #4046

2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)

All values are in ppm- parts per million (mg/kg).

--: No Standard available

*: Standard applies to sum of these compounds.

*The RSCO for PCBs is one ppm for surface soils (<2 feet bgs) and ten ppm for sub-surface soils (>2 feet bgs).

Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.4A

SOIL ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & POLYCHLORINATED BIPHENYLS (PCBs)

Sample ID **Lab ID** **Sample Depth (feet)** **Collection Date**	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AE12D02S AC43757-008 2 4/1/2009	AE 12D15S AC43914-004 15 4/7/2009	AE 12D30S AC43914-001 30 4/7/2009	AE 13S02S AC43914-011 2 4/8/2009	AE13S08S AC44023-012 8 4/14/2009	AE13S10S AC44023-011 10 4/14/2009	AE17D02S AC44023-003 2 4/13/2009	AE17D15S AC44023-019 15 4/15/2009	AE17D30S AC44023-020 30 4/15/2009
Pesticides (ppm)											
Aldrin	0.041	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.11	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.2	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane, Total	0.54	47	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.3	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.044	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.1	410	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.06	23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.1	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.02	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2.9	180	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	2.1	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	2.1	94	0.0180	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ppm)											
2,4,5-T	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	0.5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	0.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (ppm)											
Aroclor 1016	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes and abbreviations:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
All values are in ppm- parts per million (mg/kg).
--: No Standard available
*: Standard applies to sum of these compounds.
**The RSCO for PCBs is one ppm for surface soils (<2 feet bgs) and ten ppm for sub-surface soils (>2 feet bgs).

Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.4A

SOIL ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & POLYCHLORINATED BIPHENYLS (PCBs)

Sample ID **Lab ID** **Sample Depth (feet)** **Collection Date**	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AE18S02S AC43940-009 2 4/10/2009	AE18S08S AC44023-009 8 4/14/2009	AE18S15S AC44023-010 15 4/14/2009	AE19S02S AC44023-001 2 4/13/2009	AE19S06S AC44023-007 6 4/14/2009	AE19S10S AC44023-008 10 4/14/2009	AE20S02S AC44023-002 2 4/13/2009	AE20S08S AC44023-021 8 4/15/2009	AE20S15S AC44023-022 15 4/15/2009
Pesticides (ppm)											
Aldrin	0.041	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.11	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.2	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane, Total	0.54	47	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.3	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.044	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.1	410	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.06	23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.1	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.02	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2.9	180	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	2.1	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	2.1	94	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ppm)											
2,3,5-T	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	0.5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	0.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (ppm)											
Aroclor 1016	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes and abbreviations:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
All values are in ppm- parts per million (mg/kg).
--: No Standard available
*: Standard applies to sum of these compounds.
**The RSCO for PCBs is one ppm for surface soils (<2 feet bgs) and ten ppm for sub-surface soils (>2 feet bgs).

Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

TABLE 2.4A

SOIL ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & POLYCHLORINATED BIPHENYLS (PCBs)

Sample ID **Lab ID** **Sample Depth (feet)** **Collection Date**	**NYSDEC TAGM RSCOs (1)**	**Part 375 Industrial SCOs (2)**	AE 21S02S AC43940-008 2 4/10/2009	AE21S06S AC44023-017 6 4/14/2009	AE21S10S AC44023-018 10 4/14/2009	AEG 02D02S AC43799-005 2 4/3/2009	AEG 02D15S AC43830-005 15 4/6/2009	AEG 02D35S AC43830-004 35 4/6/2009	AEG 03D02S AC43799-006 2 4/3/2009	AEG 03D15S AC43830-006 15 4/6/2009	AEG 03D35S AC43830-007 35 4/6/2009
Pesticides (ppm)											
Aldrin	0.041	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.11	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.2	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane, Total	0.54	47	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.3	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.044	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.1	410	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.06	23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.1	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.02	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2.9	180	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	2.1	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	2.1	94	0.0250	0.002	ND	0.013	ND	ND	ND	ND	ND
Toxaphene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ppm)											
2,3,5-T	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	0.5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	0.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (ppm)											
Aroclor 1016	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1/10**	25	0.45	0.35	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1/10**	25	0.45	0.35	ND	ND	ND	ND	ND	ND	ND

Notes and abbreviations:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
All values are in ppm- parts per million (mg/kg).
--: No Standard available
*: Standard applies to sum of these compounds.
**The RSCO for PCBs is one ppm for surface soils (<2 feet bgs) and ten ppm for sub-surface soils (>2 feet bgs).

Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

TABLE 2.4A

SOIL ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & POLYCHLORINATED BIPHENYLS (PCBs)

Sample ID	NYSDEC	Part 375	AEG 04D02S	AEG 04D15S	AEG 04D35S	AEG 09D02S	AEG 09D15S	AEG 09D35S	AEG10D02S	AEG 10D02S	AEG 10D15S
Lab ID	TAGM	Industrial SCOs (2)	AC43830-008	AC43914-005	AC43914-006	AC43799-004	AC43830-003	AC43830-002	AC43757-004	AC43914-007	AC43914-009
Sample Depth (feet)	RSCOs (1)		2	15	35	2	15	35	2	2	15
Collection Date			4/7/2009	4/7/2009	4/7/2009	4/3/2009	4/6/2009	4/6/2009	4/1/2009	4/7/2009	4/8/2009
Pesticides (ppm)											
Aldrin	0.041	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.11	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.2	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane, Total	0.54	47	0.028	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.3	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.044	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.1	410	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.06	23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.1	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.02	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2.9	180	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	2.1	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	2.1	94	0.0054	ND	ND	ND	ND	ND	ND	0.041	ND
Toxaphene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ppm)											
2,3,5-T	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	0.5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	0.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (ppm)											
Aroclor 1016	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1/10**	25	ND	ND	ND	ND	ND	ND	ND	0.2	ND
Aroclor 1254	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1/10**	25	ND	ND	ND	ND	ND	ND	ND	0.081	ND
Aroclor 1262	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1/10**	25	ND	ND	ND	ND	ND	ND	ND	0.281	ND

Notes and abbreviations:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
All values are in ppm- parts per million (mg/kg).
--: No Standard available
*: Standard applies to sum of these compounds.
**The RSCO for PCBs is one ppm for surface soils (<2 feet bgs) and ten ppm for sub-surface soils (>2 feet bgs).
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

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DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.4A

SOIL ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & POLYCHLORINATED BIPHENYLS (PCBs)

Sample ID	NYSDEC	Part 375	AEG 10D35S	AEG14D02S	AEG 14D02S	AEG 14D15S	AEG 14D35S	AEG15D02S	AEG 15D15S	AEG 15D30S	AEG16D02S
Lab ID	TAGM	Industrial SCOs (2)	AC43914-008	AC43757-003	AC43914-010	AC43914-012	AC43914-013	AC43757-002	AC43799-002	AC43799-003	AC43757-001
Sample Depth (feet)	RSCOs (1)		35	2	2	15	35	2	15	30	2
Collection Date			4/8/2009	4/1/2009	4/8/2009	4/8/2009	4/8/2009	4/1/2009	4/2/2009	4/2/2009	4/1/2009
Pesticides (ppm)											
Aldrin	0.041	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.11	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.2	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane, Total	0.54	47	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.3	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.044	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.1	410	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.06	23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.1	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.02	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2.9	180	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	2.1	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	2.1	94	ND	ND	ND	ND	ND	0.063	ND	ND	0.026
Toxaphene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ppm)											
2,3,5-T	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	0.5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	0.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (ppm)											
Aroclor 1016	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes and abbreviations:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
All values are in ppm- parts per million (mg/kg).
--: No Standard available
*: Standard applies to sum of these compounds.
**The RSCO for PCBs is one ppm for surface soils (<2 feet bgs) and ten ppm for sub-surface soils (>2 feet bgs).
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
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TABLE 2.4A
SOIL ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & POLYCHLORINATED BIPHENYLS (PCBs)

Sample ID	NYSDEC	Part 375	AEG16D16S	AEG16D35S	AEG16D40S	FB 041509
Lab ID	TAGM	Industrial SCOs (2)	AC43757-005	AC43757-006	AC43757-007	AC44026-005
Sample Depth (feet)	RSCOs (1)		16	35	40	-
Collection Date			4/1/2009	4/1/2009	4/1/2009	4/15/2009
Pesticides (ppm)						
Aldrin	0.041	1.4	ND	ND	ND	ND
alpha-BHC	0.11	6.8	ND	ND	ND	ND
beta-BHC	0.2	14	ND	ND	ND	ND
Chlordane, Total	0.54	47	ND	ND	ND	ND
delta-BHC	0.3	1000	ND	ND	ND	ND
Dieldrin	0.044	2.8	ND	ND	ND	ND
Endosulfan I	0.9	920*	ND	ND	ND	ND
Endosulfan II	0.9	920*	ND	ND	ND	ND
Endosulfan sulfate	1	920*	ND	ND	ND	ND
Endrin	0.1	410	ND	ND	ND	ND
Endrin aldehyde	--	--	ND	ND	ND	ND
Endrin ketone	--	--	ND	ND	ND	ND
gamma-BHC (Lindane)	0.06	23	ND	ND	ND	ND
Heptachlor	0.1	29	ND	ND	ND	ND
Heptachlor epoxide	0.02	--	ND	ND	ND	ND
Methoxychlor	10	--	ND	ND	ND	ND
4,4'-DDD	2.9	180	ND	ND	ND	ND
4,4'-DDE	2.1	120	ND	ND	ND	ND
4,4'-DDT	2.1	94	ND	ND	ND	ND
Toxaphene	--	--	ND	ND	ND	ND
Herbicides (ppm)						
2,3,5-T	1.9	--	ND	ND	ND	ND
2,4-D	0.5	--	ND	ND	ND	ND
Dicamba	--	--	ND	ND	ND	ND
Silvex	0.7	1,000	ND	ND	ND	ND
PCBs (ppm)						
Aroclor 1016	1/10**	25	ND	ND	ND	ND
Aroclor 1221	1/10**	25	ND	ND	ND	ND
Aroclor 1232	1/10**	25	ND	ND	ND	ND
Aroclor 1242	1/10**	25	ND	ND	ND	ND
Aroclor 1248	1/10**	25	ND	ND	ND	ND
Aroclor 1254	1/10**	25	ND	ND	ND	ND
Aroclor 1260	1/10**	25	ND	ND	ND	ND
Aroclor 1262	1/10**	25	ND	ND	ND	ND
Aroclor 1268	1/10**	25	ND	ND	ND	ND
Total PCBs	1/10**	25	ND	ND	ND	ND

Notes and abbreviations:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical Administrative Guidance Memorandum (TAGM) #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
All values are in ppm- parts per million (mg/kg)
--: No Standard available
*: Standard applies to sum of these compounds.
**The RSCO for PCBs is one ppm
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

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Table 2.5A
Soil Analytical Results for
Waste Classification Samples

Sample ID	USEPA	WC 06S04S	WCAE01D06S	WCAE11S06S	WC AEG10D08S	WC AEG10D30S	WC AEG14D08S	WC AEG14D30S	WCAG01D15S	WCAG02D15S	WCAG03D25S
Lab ID	**Hazardous**	AC43940-002	AC44026-003	AC44026-004	AC43940-005	AC43940-006	AC43940-003	AC43940-004	AC44023-005	AC44023-006	AC44023-004
Sample Depth (feet)	**Waste**	4	6	6	8	30	8	30	15	15	25
Collection Date	**Regulatory Level**	4/9/2009	4/15/2009	4/15/2009	4/9/2009	4/10/2009	4/9/2009	4/9/2009	4/13/2009	4/13/2009	4/13/2009
TCLP VOCs (ppm or mg/L)											
1,1-Dichloroethene	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0036
Trichloroethene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP SVOCs (ppm or mg/L)											
2,4,5-Trichlorophenol	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyridine	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Metals (ppm or mg/L)											
Arsenic	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	100	1.7	0.36	0.52	0.27	ND	0.36	0.41	0.42	0.56	ND
Cadmium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium III	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	5	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	0.2	ND	ND	ND	ND	ND	ND	ND	ND	0.00077	ND
Nickel	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Pesticides (ppm or mg/L)											
Chlordane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TCLP Herbicides (ppm or mg/L)											
2,4-D	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RCRA Characteristics											
ignitability (degrees F)	flash point <140	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
corrosivity (pH in standard units)	<2 or >12.5	6.7	11	10	8.8	8.8	5	6.8	6.4	9.2	7.6
reactive cyanide (ppm or mg/kg)	generates toxic gas at pH <2 or >12.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
reactive sulfide (ppm or mg/kg)	generates toxic gas at pH <2 or >12.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Petroleum Hydrocarbons - Diesel Range Organics (ppm or mg/kg)	--	280	ND	ND	ND	ND	ND	ND	ND	150	ND
Paint Filter Test	--	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG

Notes and abbreviations:
Bold - Exeeds USEPA Hazardous Waste regulatory level
All values are in ppm: parts per million
ND - The compound was not detected at the indicated concentration.
--: No Standard available

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TABLE 3.1A

GROUNDWATER ANALYTICAL RESULTS FOR TARGET COMPOUND LIST (TCL) VOLATILE ORGANIC COMPOUNDS (VOCS)

Sample ID	NYSDEC	AEG16D40GW U	AEG04D40GW U	AE01D40GW U	Trip Blank
Lab ID	CLASS GA	AC44134-001	AC44134-003	AC44134-005	AC44134-007
Collection Date	ST/GV	4/21/2009	4/21/2009	4/21/2009	4/21/2009
Compound(ppb)					
1,1,1-Trichloroethane	5	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	1	ND	ND	ND	ND
1,1,2-Trichloroethane	--	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND
1,4-Dioxane	--	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	--	ND	ND	ND	ND
2-Chloroethylvinylether	--	ND	ND	ND	ND
2-Hexanone	50(GV)	ND	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND	ND
4-Methyl-2-Pentanone	--	ND	ND	ND	ND
Acetone	50(GV)	ND	ND	ND	ND
Acrolein	--	ND	ND	ND	ND
Acrylonitrile	--	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND
Bromodichloromethane	50(GV)	ND	ND	ND	ND
Bromoform	50(GV)	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND
Carbon Disulfide	--	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND
Chloroform	7	ND	ND	1.8	ND
Chloromethane	--	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4*	ND	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND
m/p-Xylenes	5*	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND
Methyl tert-butyl Ether	10	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND
o-Xylene	5*	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND
t-Butyl Alcohol	--	ND	ND	ND	ND
t-Butylbenzene	5	ND	ND	ND	ND
Tetrachloroethene	5	1.2	ND	ND	ND
Toluene	5	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4*	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	1.1	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND
Total Volatile Organic Compounds		1.2	1.1	1.8	ND

Notes and abbreviations:
--: No Standard (ST) or Guidance Value (GV)
*: Applies to sum of isomers.
Bold - denotes exceeds NY Water Technical Administrative Guidance Memorandum (TAGM) criteria.
All values are in ppb: parts per billion (ug/L)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

Table 3.2A
Groundwater Analytical Results for
Target Compound List (TCL) Semivolatile Organic Compound (SVOCs)

Sample ID	NYSDEC	AEG16D40GW U	AEG04D40GW U	AE01D40GW U
Lab ID	CLASS GA	AC44134-001	AC44134-003	AC44134-005
Collection Date	ST/GV	4/21/2009	4/21/2009	4/21/2009
Compound (ppb)				
1,2,4-Trichlorobenzene	5	ND	ND	ND
1,2-Diphenylhydrazine	--	ND	ND	ND
2,4,5-Trichlorophenol	1*	ND	ND	ND
2,4,6-Trichlorophenol	1*	ND	ND	ND
2,4-Dichlorophenol	5*	ND	ND	ND
2,4-Dimethylphenol	50(GV)	ND	ND	ND
2,4-Dinitrophenol	10(GV)	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND
2-Chloronaphthalene	10(GV)	ND	ND	ND
2-Chlorophenol	--	ND	ND	ND
2-Methylnaphthalene	--	ND	ND	ND
2-Methylphenol	1*	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND
2-Nitrophenol	1*	ND	ND	ND
3+4-Methylphenols	1*	ND	ND	ND
3,3-Dichlorobenzidine	5	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND
4,6-Dinitro-2-methylphenol	--	ND	ND	ND
4-Bromophenyl-phenylether	--	ND	ND	ND
4-Chloro-3-methylphenol	--	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND
4-Chlorophenyl-phenylether	--	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND
4-Nitrophenol	1*	ND	ND	ND
Acenaphthene	20(GV)	ND	ND	ND
Acenaphthylene	--	ND	ND	ND
Aniline	5	ND	ND	ND
Anthracene	50(GV)	ND	ND	ND
Benzidine	5	ND	ND	ND
Benzo(a)anthracene	--	ND	ND	ND
Benzo(a)pyrene	--	ND	ND	ND
Benzo(b)fluoranthene	0.002(GV)	ND	ND	ND
Benzo(g,h,i)perylene	--	ND	ND	ND
Benzo(k)fluoranthene	0.002(GV)	ND	ND	ND
Benzoic acid	--	ND	ND	ND
bis(2-Chloroethoxy)methane	5	ND	ND	ND
bis(2-Chloroethyl)ether	1	ND	ND	ND
bis(2-Chloroisopropyl)ether	--	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	ND	ND	ND
Butylbenzylphthalate	50(GV)	ND	ND	ND
Carbazole	--	ND	ND	ND
Chrysene	0.002(GV)	ND	ND	ND
Dibenz(a,h)anthracene	--	ND	ND	ND
Dibenzofuran	--	ND	ND	ND
Diethylphthalate	50(GV)	ND	ND	ND
Dimethylphthalate	50(GV)	ND	ND	ND
Di-n-butylphthalate	50	ND	ND	ND
Di-n-octyl phthalate	50(GV)	ND	ND	ND
Fluoranthene	50(GV)	ND	ND	ND
Fluorene	50(GV)	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND
Hexachlorocyclopentadiene	5	ND	ND	ND
Hexachloroethane	5	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002(GV)	ND	ND	ND
Isophorone	50(GV)	ND	ND	ND
Naphthalene	10(GV)	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND
N-Nitrosodihethylamine	--	ND	ND	ND
N-Nitroso-di-n-propylamine	--	ND	ND	ND
N-Nitrosodiphenylamine	50(GV)	ND	ND	ND
Pentachlorophenol	1*	ND	ND	ND
Phenanthrene	50(GV)	ND	ND	ND
Phenol	1*	ND	ND	ND
Pyrene	50(GV)	ND	ND	ND
Total Semi-volatile Organic Compounds		0	0	0

Notes and abbreviations:
--: No Standard (ST) or Guidance Value (GV) available
*: Applies to sum of isomers
Bold - denotes exceeds NYSDEC TOGS 1.1.1 class GA groundwater standard or guidance value.
All values are in ppb: parts per billion (ug/L)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

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Table 3.3A
Groundwater Analytical Results for
Target Analyte List (TAL) Metals

Sample ID	**NYSDEC**	AEG16D40GW U	AEG16D40GW F	AEG04D40GW U	AEG04D40GW F	AE01D40GW U	AE01D40GW F
Lab ID	**CLASS GA**	AC44134-001	AC44134-002	AC44134-003	AC44134-004	AC44134-005	AC44134-006
Collection Date	**ST/GV**	4/21/2009	4/21/2009	4/21/2009	4/21/2009	4/21/2009	4/21/2009
Compound (ppb)							
Aluminum	--	390	ND	590	ND	1,100	ND
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	61	58	ND	ND	ND	ND
Beryllium	3 (GV)	ND	ND	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	ND
Calcium	--	25,000	26,000	14,000	13,000	38,000	37,000
Chromium III	50	ND	ND	ND	ND	ND	ND
Cobalt	--	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300/500*	**1,300**	ND	**1,800**	ND	**3,400**	ND
Lead	25	ND	ND	ND	ND	ND	ND
Magnesium	35,000 (GV)	12,000	12,000	2,900	2,700	6,700	6,400
Manganese	300/500*	220	190	**370**	290	260	110
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	--	10,000	9,700	12,000	11,000	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	**32,000**	**33,000**	**54,000**	**52,000**	11,000	9,900
Thallium	0.5 (GV)	ND	ND	ND	ND	ND	ND
Vanadium	--	ND	ND	ND	ND	ND	ND
Zinc	2,000 (GV)	ND	ND	ND	ND	ND	ND

Notes and abbreviations:

All values are in ppb: parts per billion (ug/L)

--: No Standard (ST) or Guidance Value (GV)

* - Although the individual standards for iron and manganese are 300 ug/L, when both are present, the standard applies to the total and is 500 ug/L

Bold - denotes exceeds NYSDEC TOGS 1.1.1 class GA groundwater standard or guidance value.

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

Table 3.4A
Groundwater Analytical Results for
Pesticides, Herbicides, and PCBs

Sample ID **Lab ID** **Collection Date**	**NYSDEC** **CLASS GA** **ST/GV**	AEG16D40GW U AC44134-001 4/21/2009	AEG04D40GW U AC44134-003 4/21/2009	AE01D40GW U AC44134-005 4/21/2009
Pesticides (ppb)				
Aldrin	--	ND	ND	ND
alpha-BHC	0.01	ND	ND	ND
beta-BHC	0.04	ND	ND	ND
Chlordane, Total	0.05	ND	ND	ND
delta-BHC	0.04	ND	ND	ND
Dieldrin	0.004	ND	ND	ND
Endosulfan I	--	ND	ND	ND
Endosulfan II	--	ND	ND	ND
Endosulfan sulfate	--	ND	ND	ND
Endrin	--	ND	ND	ND
Endrin aldehyde	5	ND	ND	ND
Endrin ketone	5	ND	ND	ND
gamma-BHC (Lindane)	0.05	ND	ND	ND
Heptachlor	0.04	ND	ND	ND
Heptachlor epoxide	0.03	ND	ND	ND
Methoxychlor	35	ND	ND	ND
4,4'-DDD	0.3	ND	ND	ND
4,4'-DDE	0.2	ND	ND	ND
4,4'-DDT	0.2	ND	ND	ND
Toxaphene	0.06	ND	ND	ND
Herbicides (ppb)				
2,3,5-T	35	ND	ND	ND
2,4-D	50	ND	ND	ND
Dicamba	0.44	ND	ND	ND
Silvex	--	ND	ND	ND
PCBs (ppb)				
Aroclor 1016	0.09	ND	ND	ND
Aroclor 1221	0.09	ND	ND	ND
Aroclor 1232	0.09	ND	ND	ND
Aroclor 1242	0.09	ND	ND	ND
Aroclor 1248	0.09	ND	ND	ND
Aroclor 1254	0.09	ND	ND	ND
Aroclor 1260	0.09	ND	ND	ND
Aroclor 1262	0.09	ND	ND	ND
Aroclor 1268	0.09	ND	ND	ND
Total PCBs	0.09	0	0	0

Notes and abbreviations:

All values are in ppb- parts per billion (ug/L).

--: No Standard (ST) or Guidance Value (GV)

Bold - denotes exceeds NYSDEC TOGS 1.1.1 class GA groundwater standard or guidance value.

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 1B

SUMMARY OF FIELD OBSERVATIONS

SOIL BORING ID	SAMPLE INTERVAL (FEET)	PID LEVEL (PPM)	TOTAL DEPTH	OBSERVATIONS
BE-01D	0.5-1	<1	47 - MW installed	Fill includes coal and wood
BE-01D	15-17	<1	47 - MW installed	
BE-01D	35-37	<1	47 - MW installed	
BE-02D	1-1.5	<1	37	Fill
BE-02D	10-12	<1	37	
BE-02D	35-37	<1	37	
BE-03D	1-1.5	<1	47 - MW installed	Fill includes brick
BE-03D	20-22	<1	47 - MW installed	
BE-03D	35-37	<1	47 - MW installed	
BE-04S	0.5-1	<1	12	Fill includes coal and glass
BE-04S	6-8	<1	12	
BE-04S	10-12	<1	12	
BE-05D	0.5-1	<1	37	Fill
BE-05D	25-27	<1	37	
BE-05D	35-37	<1	37	
BE-06S	0.5-1	<1	12	Fill includes coal, brick, glass, nails
BE-06S	6-8	<1	12	
BE-06S	10-12	<1	12	
BE-07S	0.5-1	<1	12	Fill includes glass and coal
BE-07S	2-2.5	<1	12	Fill
BE-07S	8-10	<1	12	
BE-07S	10-12	<1	12	
BE-08D	0.5-1	<1	47 - MW installed	Fill
BE-08D	20-22	<1	47 - MW installed	
BE-08D	35-37	<1	47 - MW installed	
BE-09S	0.5-1	<1	14	Fill includes coal and glass
BE-09S	2-2.5	<1	14	Fill
BE-09S	8-10	<1	14	
BE-09S	12-14	<1	14	
BE-10S	0.5-1	<1	12	Fill
BE-10S	8-10	<1	12	
BE-10S	10-12	<1	12	
BE-11S	0.5-1	<1	12	Fill
BE-11S	6-8	<1	12	
BE-11S	10-12	<1	12	
BE-12S	0.5-1	<1	12	Fill includes glass, brick and coal
BE-12S	4-4.5	<1	12	Fill
BE-12S	6-8	<1	12	
BE-12S	11-12	<1	12	
BE-13S	0.5-1	<1	12	Fill includes glass, brick and coal
BE-13S	4-4.5	<1	12	Fill
BE-13S	6-8	<1	12	
BE-13S	10-12	<1	12	
BE-14S	0.5-1	<1	12	Fill includes brick and glass
BE-14S	6-8	<1	12	
BE-14S	10-12	<1	12	
BE-15S	0.5-1	<1	12	Fill includes brick, tile, coal, glass, wood
BE-15S	6-8	<1	12	
BE-15S	10-12	<1	12	

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.1B

SOIL BORING ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) VOLATILE ORGANIC COMPOUNDS (VOCS)

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-01D AC43985-003 0.5 4/14/09	BE-01D AC44084-004 15 4/16/09	BE-01D AC44084-005 35 4/16/09	BE-02D AC43985-002 1 4/14/09	BE-02D AC44135-003 10 4/20/09	BE-02D AC44135-004 35 4/20/09	BE-03D AC43985-001 1 4/14/09	BE-03D AC44084-014 20 4/17/09	BE-03D AC44084-015 35 4/17/09
Compound(ppm)											
1,1,1-Trichloroethane	0.8	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.2	480	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.4	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	13	380	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7.9	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.1	60	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	3.3	380	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.6	560	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.3	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	0.3	1,000	ND	ND	ND	ND	ND	ND	0.056	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	11	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.2	1,000	ND	ND	ND	ND	ND	ND	**0.38**	ND	ND
Acrolein	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.6	44	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.3	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.5	780	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylenes	1.2	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	0.1	1,000	0.021	ND	0.0091	ND	ND	ND	ND	ND	ND
Methyl tert-butyl Ether	0.12	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	18	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	14	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1.2	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	25	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	--	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.4	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.5	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.3	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.7	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.2	27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organic Compounds	10	--	0.021	0	0.0091	0	0	0	0.436	0	0

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ppm: parts per million (or mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.1B

SOIL BORING ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) VOLATILE ORGANIC COMPOUNDS (VOCS)

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-04S AC43985-004 0.5 4/14/09	BE-04S AC44084-010 6 4/16/09	BE-04S AC44084-011 10 4/16/09	BE-05D AC43957-003 0.5 4/13/09	BE-05D AC44135-001 25 4/20/09	BE-05D AC44135-002 35 4/20/09	BE-06S AC44017-004 0.5 4/15/09	BE-06S AC44173-005 6 4/22/09	BE-06S AC44173-006 10 4/22/09
Compound(ppm)											
1,1,1-Trichloroethane	0.8	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	ND	0.011	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.2	480	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.4	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	13	380	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7.9	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.1	60	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	3.3	380	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.6	560	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.3	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	0.3	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	11	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.2	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.6	44	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.3	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.5	780	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylenes	1.2	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	0.1	1,000	ND	ND	0.0071	ND	ND	ND	0.02	ND	ND
Methyl tert-butyl Ether	0.12	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	18	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	14	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1.2	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	25	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	--	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.4	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.5	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.3	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.7	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.2	27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organic Compounds	10	--	0	0	0.0181	0	0	0	0.02	0	0

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ppm: parts per million (or mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.1B

SOIL BORING ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) VOLATILE ORGANIC COMPOUNDS (VOCS)

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-07S AC44084-008 0.5 4/16/09	BE-07S AC44135-010 8 4/21/09	BE-07S AC44135-011 10 4/21/09	BE-08D AC43985-005 0.5 4/14/09	BE-08D AC44084-012 20 4/16/09	BE-08D AC44084-013 35 4/16/09	BE-09S AC44017-002 0.5 4/15/09	BE-09S AC44135-012 8 4/21/09	BE-09S AC44135-013 12 4/21/09
Compound(ppm)											
1,1,1-Trichloroethane	0.8	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	0.018	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.2	480	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.4	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	13	380	ND	ND	ND	ND	ND	ND	ND	0.0016	ND
1,2-Dichlorobenzene	7.9	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.1	60	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	3.3	380	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.6	560	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.3	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	0.3	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	11	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.2	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.6	44	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.3	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.5	780	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylenes	1.2	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	0.1	1,000	0.0085	ND	ND	0.013	ND	ND	0.0095	ND	ND
Methyl tert-butyl Ether	0.12	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	18	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	14	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1.2	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	25	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND	ND	ND	0.03	ND	ND
t-Butylbenzene	--	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.4	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.5	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.3	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.7	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.2	27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organic Compounds	10	--	0.0265	0	0	0.013	0	0	0.0395	0.0016	0

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ppm: parts per million (or mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.1B

SOIL BORING ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) VOLATILE ORGANIC COMPOUNDS (VOCS)

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-10S AC43957-001 0.5 4/13/09	BE-10S AC44135-005 8 4/20/09	BE-10S AC44135-006 10 4/20/09	BE-11S AC43957-002 0.5 4/13/09	BE-11S AC44135-007 6 4/20/09	BE-11S AC44135-008 10 4/20/09	BE-12S AC44017-005 0.5 4/15/09	BE-12S AC44173-007 6 4/22/09	BE-12S AC44173-008 11 4/22/09
Compound(ppm)											
1,1,1-Trichloroethane	0.8	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.2	480	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.4	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	13	380	ND	ND	ND	ND	ND	ND	0.0018	ND	ND
1,2-Dichlorobenzene	7.9	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.1	60	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	3.3	380	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.6	560	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.3	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	0.3	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	11	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.2	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.6	44	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.3	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.5	780	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylenes	1.2	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	0.1	1,000	ND	ND	ND	ND	ND	ND	0.026	ND	0.012
Methyl tert-butyl Ether	0.12	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	18	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	14	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1.2	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	25	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	--	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.4	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.5	1,000	ND	ND	ND	ND	ND	ND	0.0014	ND	ND
trans-1,2-Dichloroethene	0.3	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.7	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.2	27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organic Compounds	10	--	0	0	0	0	0	0	0.0292	0	0.012

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ppm: parts per million (or mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.1B

SOIL BORING ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) VOLATILE ORGANIC COMPOUNDS (VOCS)

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-13S AC44084-006 0.5 4/16/09	BE-13S AC44173-003 6 4/22/09	BE-13S AC44173-004 10 4/22/09	BE-14S AC44084-003 0.5 4/16/09	BE-14S AC44253-003 6 4/23/09	BE-14S AC44253-004 10 4/23/09	BE-15S AC44084-001 0.5 4/15/09	BE-15S AC44253-001 6 4/23/09	BE-15S AC44253-002 10 4/23/09
Compound(ppm)											
1,1,1-Trichloroethane	0.8	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.6	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	6	--	ND	ND	ND	0.015	ND	ND	0.021	ND	ND
1,1,2-Trichloroethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.2	480	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.4	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	13	380	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7.9	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.1	60	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	3.3	380	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.6	560	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.3	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	8.5	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	--	250	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	0.3	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	11	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.2	1,000	ND	ND	ND	ND	0.029	0.043	ND	0.028	ND
Acrolein	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	0.06	89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	2.7	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.6	44	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.3	700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	--	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.5	780	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylenes	1.2	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	0.1	1,000	ND	ND	ND	0.0064	ND	ND	ND	ND	ND
Methyl tert-butyl Ether	0.12	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	18	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	14	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1.2	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	25	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butyl Alcohol	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-Butylbenzene	--	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.4	300	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.5	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.3	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.7	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.2	27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Volatile Organic Compounds	10	--	0	0	0	0.0214	0.029	0.043	0.021	0.028	0

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ppm: parts per million (or mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.2B

SOIL BORING ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-01D AC43985-003 0.5 4/14/09	BE-01D AC44084-004 15 4/16/09	BE-01D AC44084-005 35 4/16/09	BE-02D AC43985-002 1 4/14/09	BE-02D AC44135-003 10 4/20/09	BE-02D AC44135-004 35 4/20/09	BE-03D AC43985-001 1 4/14/09	BE-03D AC44084-014 20 4/17/09	BE-03D AC44084-015 35 4/17/09
Compound (ppm)											
1,2,4-Trichlorobenzene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	.043 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	.33 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	0.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	.5 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	.24 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	.22 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	1,000	ND	ND	ND	ND	ND	ND	0.092	ND	ND
Benzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	.224 or MDL	11	0.14	ND	ND	0.19	ND	ND	**0.31**	ND	ND
Benzo(a)pyrene	.061 or MDL	1.1	**0.12**	ND	ND	**0.16**	ND	ND	**0.32**	ND	ND
Benzo(b)fluoranthene	1.1	11	0.27	ND	ND	0.21	ND	ND	0.41	ND	ND
Benzo(g,h,i)perylene	50	1,000	0.2	ND	ND	0.13	ND	ND	0.26	ND	ND
Benzo(k)fluoranthene	1.1	110	ND	ND	ND	0.072	ND	ND	0.16	ND	ND
Benzoic acid	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	--	ND	0.1	0.13	ND	ND	0.092	ND	0.086	ND
Butylbenzylphthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.4	110	0.24	ND	ND	0.18	ND	ND	0.34	ND	ND
Dibenz(a,h)anthracene	.014 or MDL	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	6.2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	7.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	1,000	0.25	ND	ND	0.30	ND	ND	0.67	ND	ND
Fluorene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.41	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3.2	11	0.14	ND	ND	0.11	ND	ND	0.20	ND	ND
Isophorone	4.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodihethylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1 or MDL	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	1,000	0.31	ND	ND	0.17	ND	ND	0.47	ND	ND
Phenol	.03 or MDL	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	1,000	0.26	ND	ND	0.33	ND	ND	0.74	ND	ND
Total Semi-volatile Organic Compounds	500	--	1.93	0.1	0.13	1.852	0	0.092	3.972	0.086	0

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard
MDL: Method Detection Limit
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ppm: parts per million (or mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

TABLE 2.2B

SOIL BORING ANALYTICAL RESULTS FOR TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-04S AC43985-004 0.5 4/14/09	BE-04S AC44084-010 6 4/16/09	BE-04S AC44084-011 10 4/16/09	BE-05D AC43957-003 0.5 4/13/09	BE-05D AC44135-001 25 4/20/09	BE-05D AC44135-002 35 4/20/09	BE-06S AC44017-004 0.5 4/15/09	BE-06S AC44173-005 6 4/22/09	BE-06S AC44173-006 10 4/22/09
Compound (ppm)											
1,2,4-Trichlorobenzene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	--	0.26	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	.043 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	.33 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	0.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	.5 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	.24 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	.22 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	1,000	ND	ND	ND	ND	ND	ND	0.11	ND	ND
Benzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	.224 or MDL	11	0.17	ND	ND	ND	ND	ND	**0.23**	ND	ND
Benzo(a)pyrene	.061 or MDL	1.1	**0.14**	ND	ND	ND	ND	ND	**0.19**	ND	ND
Benzo(b)fluoranthene	1.1	11	0.55	ND	ND	ND	ND	ND	0.48	ND	ND
Benzo(g,h,i)perylene	50	1,000	0.26	ND	ND	ND	ND	ND	0.19	ND	ND
Benzo(k)fluoranthene	1.1	110	0.11	ND	ND	ND	ND	ND	0.1	ND	ND
Benzoic acid	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	--	ND	ND	ND	ND	ND	0.077	ND	0.63	0.28
Butylbenzylphthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.4	110	0.31	ND	ND	ND	ND	ND	0.37	ND	ND
Dibenz(a,h)anthracene	.014 or MDL	1.1	**0.088**	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	6.2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	7.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	1,000	0.25	ND	ND	ND	ND	ND	0.54	ND	ND
Fluorene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.41	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3.2	11	0.23	ND	ND	ND	ND	ND	0.17	ND	ND
Isophorone	4.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13	1,000	0.11	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodihethylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1 or MDL	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	1,000	0.21	ND	ND	ND	ND	ND	0.42	ND	ND
Phenol	.03 or MDL	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	1,000	0.25	ND	ND	0.1	ND	ND	0.52	ND	ND
Total Semi-volatile Organic Compounds	500	--	2.938	0	0	0.1	0	0.077	3.32	0.63	0.28

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard
MDL: Method Detection Limit
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ppm: parts per million (or mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.2B

SOIL BORING ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-07S AC44084-008 0.5 4/16/09	BE-07S AC44135-010 8 4/21/09	BE-07S AC44135-011 10 4/21/09	BE-08D AC43985-005 0.5 4/14/09	BE-08D AC44084-012 20 4/16/09	BE-08D AC44084-013 35 4/16/09	BE-09S AC44017-002 0.5 4/15/09	BE-09S AC44135-012 8 4/21/09	BE-09S AC44135-013 12 4/21/09
Compound (ppm)											
1,2,4-Trichlorobenzene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	--	ND	ND	ND	ND	ND	ND	0.15	ND	ND
2-Methylphenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	.043 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	.33 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	0.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	.5 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	.24 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	.22 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41	1,000	ND	ND	ND	0.31	ND	ND	0.24	ND	ND
Aniline	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	1,000	ND	ND	ND	0.4	ND	ND	0.3	ND	ND
Benzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	.224 or MDL	11	0.093	ND	ND	**1.5**	ND	ND	**1.1**	ND	ND
Benzo(a)pyrene	.061 or MDL	1.1	ND	ND	ND	**1.2**	ND	ND	**1.1**	ND	ND
Benzo(b)fluoranthene	1.1	11	0.10	ND	ND	**3.5**	ND	ND	**2.2**	ND	ND
Benzo(g,h,i)perylene	50	1,000	ND	ND	ND	1	ND	ND	1.1	ND	ND
Benzo(k)fluoranthene	1.1	110	ND	ND	ND	0.98	ND	ND	0.53	ND	ND
Benzoic acid	50	--	ND	ND	ND	0.69	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	--	ND	0.17	0.1	0.1	0.079	ND	0.14	0.18	ND
Butylbenzylphthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	50	--	ND	ND	ND	0.34	ND	ND	0.13	ND	ND
Chrysene	0.4	110	0.16	ND	ND	**2.6**	ND	ND	**1.3**	ND	ND
Dibenz(a,h)anthracene	.014 or MDL	1.1	ND	ND	ND	**0.29**	ND	ND	**0.31**	ND	ND
Dibenzofuran	6.2	--	ND	ND	ND	ND	ND	ND	0.078	ND	ND
Diethylphthalate	7.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	1,000	0.14	ND	ND	2.9	ND	ND	1.9	ND	ND
Fluorene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.41	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3.2	11	ND	ND	ND	1	ND	ND	0.97	ND	ND
Isophorone	4.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13	1,000	ND	ND	ND	ND	ND	ND	0.12	ND	ND
Nitrobenzene	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodihethylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1 or MDL	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	1,000	0.17	ND	ND	0.53	ND	ND	0.88	ND	ND
Phenol	.03 or MDL	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	1,000	0.18	ND	ND	2.9	ND	ND	1.9	ND	ND
Total Semi-volatile Organic Compounds	500	--	0.843	0.17	0.1	20.24	0.079	0	14.448	0.18	0

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard
MDL: Method Detection Limit
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ppm: parts per million (or mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

TABLE 2.2B

SOIL BORING ANALYTICAL RESULTS FOR TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-10S AC43957-001 0.5 4/13/09	BE-10S AC44135-005 8 4/20/09	BE-10S AC44135-006 10 4/20/09	BE-11S AC43957-002 0.5 4/13/09	BE-11S AC44135-007 6 4/20/09	BE-11S AC44135-008 10 4/20/09	BE-12S AC44017-005 0.5 4/15/09	BE-12S AC44173-007 6 4/22/09	BE-12S AC44173-008 11 4/22/09
Compound (ppm)											
1,2,4-Trichlorobenzene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	--	ND	ND	ND	ND	ND	ND	0.12	ND	ND
2-Methylphenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	.043 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	.33 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	0.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	.5 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	.24 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	.22 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	41	1,000	ND	ND	ND	0.5	ND	ND	0.16	ND	ND
Aniline	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	1,000	ND	ND	ND	0.36	ND	ND	0.3	ND	ND
Benzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	.224 or MDL	11	ND	ND	ND	**2.1**	ND	ND	**0.91**	ND	0.075
Benzo(a)pyrene	.061 or MDL	1.1	ND	ND	ND	**2.2**	ND	ND	**0.88**	ND	ND
Benzo(b)fluoranthene	1.1	11	ND	ND	ND	**3.1**	ND	ND	**1.8**	ND	0.13
Benzo(g,h,i)perylene	50	1,000	ND	ND	ND	1.6	ND	ND	0.88	ND	ND
Benzo(k)fluoranthene	1.1	110	ND	ND	ND	**1.3**	ND	ND	0.57	ND	ND
Benzoic acid	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	--	ND	0.28	0.32	ND	0.27	ND	0.18	ND	0.93
Butylbenzylphthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	50	--	ND	ND	ND	ND	ND	ND	0.17	ND	ND
Chrysene	0.4	110	ND	ND	ND	**1.9**	ND	ND	**1.2**	ND	0.1
Dibenz(a,h)anthracene	.014 or MDL	1.1	ND	ND	ND	**0.43**	ND	ND	**0.24**	ND	ND
Dibenzofuran	6.2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	7.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.1	--	ND	ND	ND	0.52	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	--	ND	ND	ND	ND	ND	ND	ND	0.1	ND
Fluoranthene	50	1,000	ND	ND	ND	2.7	ND	ND	1.7	ND	0.17
Fluorene	50	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.41	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3.2	11	ND	ND	ND	1.4	ND	ND	0.74	ND	ND
Isophorone	4.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13	1,000	ND	ND	ND	ND	ND	ND	0.11	ND	ND
Nitrobenzene	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodihethylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1 or MDL	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	1,000	ND	ND	ND	0.68	ND	ND	0.86	ND	0.12
Phenol	.03 or MDL	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	1,000	ND	ND	ND	2.7	ND	ND	1.8	ND	0.17
Total Semi-volatile Organic Compounds	500	--	0	0.28	0.32	21.49	0.27	0	12.62	0.10	1.70

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard
MDL: Method Detection Limit
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ppm: parts per million (or mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.2B

SOIL BORING ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-13S AC44084-006 0.5 4/16/09	BE-13S AC44173-003 6 4/22/09	BE-13S AC44173-004 10 4/22/09	BE-14S AC44084-003 0.5 4/16/09	BE-14S AC44253-003 6 4/23/09	BE-14S AC44253-004 10 4/23/09	BE-15S AC44084-001 0.5 4/15/09	BE-15S AC44253-001 6 4/23/09	BE-15S AC44253-002 10 4/23/09
Compound (ppm)											
1,2,4-Trichlorobenzene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	0.8	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36.4	--	ND	ND	ND	0.15	ND	ND	0.3	ND	ND
2-Methylphenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	.043 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	.33 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	0.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	.5 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	.24 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	.22 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	.1 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	50	1,000	ND	ND	ND	ND	ND	ND	0.31	ND	ND
Acenaphthylene	41	1,000	ND	ND	ND	0.38	ND	ND	1.1	ND	ND
Aniline	0.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	1,000	ND	ND	ND	0.27	ND	ND	1.7	ND	ND
Benzidine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	.224 or MDL	11	ND	ND	ND	**1**	0.12	ND	**3.3**	ND	0.19
Benzo(a)pyrene	.061 or MDL	1.1	ND	ND	ND	**1**	**0.073**	ND	**2.9**	ND	**0.17**
Benzo(b)fluoranthene	1.1	11	ND	ND	ND	**1.7**	0.19	ND	**6.4**	ND	0.34
Benzo(g,h,i)perylene	50	1,000	ND	ND	ND	1.7	0.17	ND	2.6	ND	0.26
Benzo(k)fluoranthene	1.1	110	ND	ND	ND	0.42	ND	ND	**2.3**	ND	0.091
Benzoic acid	50	--	ND	ND	ND	ND	ND	ND	1.1	ND	ND
bis(2-Chloroethoxy)methane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	50	--	ND	ND	0.19	ND	0.096	0.084	0.26	ND	0.072
Butylbenzylphthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	50	--	ND	ND	ND	ND	ND	ND	0.71	ND	ND
Chrysene	0.4	110	ND	ND	ND	**1.3**	0.16	ND	**4.5**	ND	0.25
Dibenz(a,h)anthracene	.014 or MDL	1.1	ND	ND	ND	**0.26**	ND	ND	**0.76**	ND	ND
Dibenzofuran	6.2	--	ND	ND	ND	ND	ND	ND	0.36	ND	ND
Diethylphthalate	7.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	8.1	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	1,000	ND	ND	ND	2	0.18	ND	6.5	ND	0.33
Fluorene	50	1,000	ND	ND	ND	ND	ND	ND	0.27	ND	ND
Hexachlorobenzene	0.41	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	3.2	11	ND	ND	ND	1.1	0.1	ND	2.5	ND	0.18
Isophorone	4.4	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	13	1,000	ND	ND	ND	0.29	ND	ND	0.34	ND	0.076
Nitrobenzene	.2 or MDL	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodihethylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1 or MDL	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	1,000	0.089	ND	ND	2.2	ND	ND	4	ND	0.17
Phenol	.03 or MDL	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	1,000	ND	ND	ND	3.2	0.4	0.096	6.6	ND	0.54
Total Semi-volatile Organic Compounds	500	--	0.089	0	0.19	16.97	1.489	0.18	48.81	0	2.669

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046
2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
--: No standard
MDL: Method Detection Limit
Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs
ppm: parts per million (or mg/kg)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.3B

SOIL BORING ANALYTICAL RESULTS FOR TARGET ANALYTE LIST (TAL) METALS

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	BE-01D AC43985-003 0.5 4/14/09	BE-01D AC44084-004 15 4/16/09	BE-01D AC44084-005 35 4/16/09	BE-02D AC43985-002 1 4/14/09	BE-02D AC44135-003 10 4/20/09	BE-02D AC44135-004 35 4/20/09	BE-03D AC43985-001 1 4/14/09	BE-03D AC44084-014 20 4/17/09	BE-03D AC44084-015 35 4/17/09
Compound (ppm)												
Aluminum	SB	33,000	--	6,000	4,400	1,700	2,600	3,900	1,500	15,000	1,800	2,100
Antimony	SB	--	--	3.7	ND	ND	ND	ND	ND	3.8	ND	ND
Arsenic	7.5 or SB	3-12	16	**26**	ND	ND	5	ND	ND	7.2	ND	ND
Barium	300 or SB	15-600	10,000	52	49	12	17	24	12	140	18	12
Beryllium	0.16 or SB	0-1.75	2,700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	10*	0.1-1	60	3.1	ND	ND	ND	ND	ND	1.6	ND	ND
Calcium	SB	130-35,000	--	1,700	1,600	ND	4,900	ND	ND	2,400	ND	ND
Chromium III	50*	1.5-40	800	13	14	6.3	8.9	13	6.5	28	7.8	6.6
Cobalt	30 or SB	2.5-60	--	7.4	6.7	3.4	3.9	5.2	ND	6.6	3.3	3.1
Copper	25 or SB	1-50	10,000	**90**	**28**	7.4	25	12	6.4	**140**	6.6	6.1
Iron	2,000 or SB	2,000-550,000	--	**55,000**	**35,000**	**15,000**	**16,000**	**25,000**	**8,200**	**22,000**	**13,000**	**9,500**
Lead	SB	200-500	3,900	400	ND	ND	470	ND	ND	250	ND	ND
Magnesium	SB	100-5,000	--	ND	1,700	650	1,000	1,200	ND	2,200	900	1,100
Manganese	SB	50-5,000	10,000	160	1,000	230	150	380	110	360	230	180
Mercury	0.1	0.001-0.2	6	0.15	ND	ND	ND	ND	ND	**0.30**	ND	ND
Nickel	13 or SB	.5-25	10,000	17	**16**	6.6	8	**15**	5.9	**17**	7.9	7.5
Potassium	SB	8,500-43,000	--	ND	620	ND	ND	ND	ND	900	ND	ND
Selenium	2 or SB	0.1-3.9	6,800	**15**	ND	ND	**3.1**	ND	ND	**4.2**	ND	ND
Silver	SB	--	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	SB	6,000-8,000	--	ND	270	ND	ND	ND	ND	320	ND	ND
Thallium	SB	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	150 or SB	1-300	--	29	25	13	18	25	ND	45	11	ND
Zinc	20 or SB	9-50	10,000	**58**	**31**	15	**150**	19	12	**87**	15	12

Notes:

1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical and Administrative Guidance Memo (TAGM) #4046

2 - Average Eastern USA or NYS Background Concentration, as listed in NYSDEC TAGM #4046

3- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)

ppm: parts per million (or mg/kg)

SB - Site Background

* From NYSDEC proposed revisions to TAGM RSCOs

--: No Standard

Bold - denotes RSCOs exceedance. **Bold** denotes both RSCOs and SB exceedence Exceeds Part 375 Restricted Use Industrial SCOs

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.3B

SOIL BORING ANALYTICAL RESULTS FOR TARGET ANALYTE LIST (TAL) METALS

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	BE-04S AC43985-004 0.5 4/14/09	BE-04S AC44084-010 6 4/16/09	BE-04S AC44084-011 10 4/16/09	BE-05D AC43957-003 0.5 4/13/09	BE-05D AC44135-001 25 4/20/09	BE-05D AC44135-002 35 4/20/09	BE-06S AC44017-004 0.5 4/15/09	BE-06S AC44173-005 6 4/22/09	BE-06S AC44173-006 10 4/22/09
Compound (ppm)												
Aluminum	SB	33,000	--	3,200	4,300	5,500	1,700	4,300	2,500	2,800	4,500	5,500
Antimony	SB	--	--	27	ND	ND	ND	ND	ND	6.5	ND	ND
Arsenic	7.5 or SB	3-12	16	**25**	ND	ND	ND	ND	ND	**14**	ND	ND
Barium	300 or SB	15-600	10,000	**570**	22	57	48	32	16	270	38	56
Beryllium	0.16 or SB	0-1.75	2,700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	10*	0.1-1	60	3.3	ND	ND	ND	ND	ND	2.3	ND	ND
Calcium	SB	130-35,000	--	3,300	ND	ND	2,000	1,800	ND	ND	ND	ND
Chromium III	50*	1.5-40	800	**80**	12	23	8.6	5.4	11	35	14	17
Cobalt	30 or SB	2.5-60	--	9.1	5.9	7.9	5.3	ND	3.1	7.4	7	7.2
Copper	25 or SB	1-50	10,000	**480**	15	15	**29**	11	8.2	**260**	**51**	18
Iron	2,000 or SB	2,000-550,000	--	**66,000**	**22,000**	**17,000**	**4,100**	**7,500**	**15,000**	**60,000**	**24,000**	**24,000**
Lead	SB	200-500	3,900	**3,600**	ND	ND	71	ND	ND	**1,100**	ND	ND
Magnesium	SB	100-5,000	--	ND	1,500	4,300	ND	710	1,100	ND	1,400	2,000
Manganese	SB	50-5,000	10,000	290	490	280	25	130	220	200	460	650
Mercury	0.1	0.001-0.2	6	**0.92**	ND	ND	ND	ND	ND	**0.2**	ND	ND
Nickel	13 or SB	.5-25	10,000	**29**	**16**	**24**	12	7.9	10	**20**	**16**	**19**
Potassium	SB	8,500-43,000	--	ND	ND	1,400	ND	ND	ND	ND	630	1,400
Selenium	2 or SB	0.1-3.9	6,800	**8.3**	2	ND	ND	ND	ND	**7**	ND	ND
Silver	SB	--	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	SB	6,000-8,000	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	SB	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	150 or SB	1-300	--	33	20	28	15	ND	15	31	38	32
Zinc	20 or SB	9-50	10,000	**290**	**34**	**30**	**23**	ND	17	**180**	**24**	**21**

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical and Administrative Guidance Memo (TAGM) #4046
2 - Average Eastern USA or NYS Background Concentration, as listed in NYSDEC TAGM #4046
3- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
ppm: parts per million (or mg/kg)
SB - Site Background
* From NYSDEC proposed revisions to TAGM RSCOs
--: No Standard
Bold - denotes RSCOs exceedance. **Bold** denotes both RSCOs and SB exceedence Exceeds Part 375 Restricted Use Industrial SCOs
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.3B

SOIL BORING ANALYTICAL RESULTS FOR TARGET ANALYTE LIST (TAL) METALS

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	BE-07S AC44084-008 0.5 4/16/09	BE-07S AC44135-010 8 4/21/09	BE-07S AC44135-011 10 4/21/09	BE-08D AC43985-005 0.5 4/14/09	BE-08D AC44084-012 20 4/16/09	BE-08D AC44084-013 35 4/16/09	BE-09S AC44017-002 0.5 4/15/09	BE-09S AC44135-012 8 4/21/09	BE-09S AC44135-013 12 4/21/09
Compound (ppm)												
Aluminum	SB	33,000	--	1,800	4,700	4,300	2,900	2,300	2,800	4,700	5,900	6,200
Antimony	SB	--	--	ND	ND	ND	11	ND	ND	11	ND	ND
Arsenic	7.5 or SB	3-12	16	**17**	2.2	ND	**17**	ND	ND	**17**	ND	ND
Barium	300 or SB	15-600	10,000	80	50	42	**330**	20	16	**1,700**	25	70
Beryllium	0.16 or SB	0-1.75	2,700	ND	ND	ND	ND	ND	0.76	ND	ND	ND
Cadmium	10*	0.1-1	60	2.9	ND	ND	5.2	ND	ND	1.8	ND	ND
Calcium	SB	130-35,000	--	1,600	ND	ND	1,300	ND	ND	24,000	1,800	ND
Chromium III	50*	1.5-40	800	8.4	21	15	**51**	9.4	11	**72**	23	20
Cobalt	30 or SB	2.5-60	--	5.4	8.1	6.3	9.2	3.7	3.7	9.6	6.7	9.1
Copper	25 or SB	1-50	10,000	**82**	19	14	**190**	9.2	7.7	**250**	24	16
Iron	2,000 or SB	2,000-550,000	--	**11,000**	**29,000**	**23,000**	**25,000**	**13,000**	**17,000**	**36,000**	**28,000**	**34,000**
Lead	SB	200-500	3,900	240	9.9	ND	**1,100**	ND	ND	**2,000**	5.7	ND
Magnesium	SB	100-5,000	--	ND	1,700	1,400	ND	1,100	940	2,500	1,900	2,600
Manganese	SB	50-5,000	10,000	51	890	520	340	200	190	300	420	1,100
Mercury	0.1	0.001-0.2	6	ND	ND	ND	**0.41**	ND	ND	**0.21**	ND	ND
Nickel	13 or SB	.5-25	10,000	13	**24**	**19**	**27**	8.4	8.3	**24**	**22**	**29**
Potassium	SB	8,500-43,000	--	ND	830	630	ND	ND	ND	610	600	1,100
Selenium	2 or SB	0.1-3.9	6,800	**3.6**	ND	ND	**6.3**	2	ND	**4.2**	ND	ND
Silver	SB	--	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	SB	6,000-8,000	--	ND	ND	ND	ND	ND	ND	ND	290	ND
Thallium	SB	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	150 or SB	1-300	--	ND	25	22	22	15	11	29	32	26
Zinc	20 or SB	9-50	10,000	**140**	**40**	**37**	**620**	17	18	**850**	**22**	**28**

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical and Administrative Guidance Memo (TAGM) #4046
2 - Average Eastern USA or NYS Background Concentration, as listed in NYSDEC TAGM #4046
3- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
ppm: parts per million (or mg/kg)
SB - Site Background
* From NYSDEC proposed revisions to TAGM RSCOs
--: No Standard
Bold - denotes RSCOs exceedance. **Bold** denotes both RSCOs and SB exceedence Exceeds Part 375 Restricted Use Industrial SCOs
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.3B

SOIL BORING ANALYTICAL RESULTS FOR TARGET ANALYTE LIST (TAL) METALS

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	BE-10S AC43957-001 0.5 4/13/09	BE-10S AC44135-005 8 4/20/09	BE-10S AC44135-006 10 4/20/09	BE-11S AC43957-002 0.5 4/13/09	BE-11S AC44135-007 6 4/20/09	BE-11S AC44135-008 10 4/20/09	BE-12S AC44017-005 0.5 4/15/09	BE-12S AC44173-007 6 4/22/09	BE-12S AC44173-008 11 4/22/09
Compound (ppm)												
Aluminum	SB	33,000	--	19,000	5,400	6,100	10,000	5,100	5,500	5,700	3,600	8,200
Antimony	SB	--	--	ND	ND	ND	ND	ND	ND	4.8	ND	ND
Arsenic	7.5 or SB	3-12	16	5.8	3.2	3.1	5.8	3.4	3.4	**9.5**	ND	3.6
Barium	300 or SB	15-600	10,000	100	27	30	93	27	33	140	29	60
Beryllium	0.16 or SB	0-1.75	2,700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	10*	0.1-1	60	ND	ND	ND	1.4	ND	ND	1.6	ND	ND
Calcium	SB	130-35,000	--	3,100	ND	1,700	18,000	ND	1,200	35,000	ND	2,500
Chromium III	50*	1.5-40	800	27	15	22	24	16	23	38	14	25
Cobalt	30 or SB	2.5-60	--	8.6	6.9	7.3	5.3	4.3	7.3	8.2	5.1	8.9
Copper	25 or SB	1-50	10,000	15	22	**44**	**37**	17	22	**120**	15	**63**
Iron	2,000 or SB	2,000-550,000	--	**26,000**	**29,000**	**29,000**	**15,000**	**15,000**	**33,000**	**37,000**	**30,000**	**33,000**
Lead	SB	200-500	3,900	28	ND	12	95	ND	ND	390	ND	160
Magnesium	SB	100-5,000	--	2,600	1,300	2,300	2,300	1,500	1,700	**8,200**	1,300	2,100
Manganese	SB	50-5,000	10,000	640	450	490	230	150	370	350	540	500
Mercury	0.1	0.001-0.2	6	ND	ND	ND	ND	ND	ND	**0.71**	ND	ND
Nickel	13 or SB	.5-25	10,000	**16**	**16**	**21**	**14**	**14**	**21**	**62**	**17**	**23**
Potassium	SB	8,500-43,000	--	1,200	720	780	800	640	1,100	1,100	640	800
Selenium	2 or SB	0.1-3.9	6,800	**6**	ND	ND	ND	ND	ND	**3.8**	ND	ND
Silver	SB	--	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	SB	6,000-8,000	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	SB	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	150 or SB	1-300	--	38	31	28	22	18	40	27	19	38
Zinc	20 or SB	9-50	10,000	**44**	**43**	**150**	**180**	18	**24**	**160**	**22**	**61**

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical and Administrative Guidance Memo (TAGM) #4046
2 - Average Eastern USA or NYS Background Concentration, as listed in NYSDEC TAGM #4046
3- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
ppm: parts per million (or mg/kg)
SB - Site Background
* From NYSDEC proposed revisions to TAGM RSCOs
--: No Standard
Bold - denotes RSCOs exceedance. **Bold** denotes both RSCOs and SB exceedence Exceeds Part 375 Restricted Use Industrial SCOs
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.3B

SOIL BORING ANALYTICAL RESULTS FOR TARGET ANALYTE LIST (TAL) METALS

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	EASTERN USA BACKGROUND (2)	Part 375 Industrial SCOs (3)	BE-13S AC44084-006 0.5 4/16/09	BE-13S AC44173-003 6 4/22/09	BE-13S AC44173-004 10 4/22/09	BE-14S AC44084-003 0.5 4/16/09	BE-14S AC44253-003 6 4/23/09	BE-14S AC44253-004 10 4/23/09	BE-15S AC44084-001 0.5 4/15/09	BE-15S AC44253-001 6 4/23/09	BE-15S AC44253-002 10 4/23/09
Compound (ppm)												
Aluminum	SB	33,000	--	3,700	2,800	6,200	2,200	3,200	5,500	4,800	3,100	6,000
Antimony	SB	--	--	ND	ND	ND	5.4	ND	ND	19	ND	ND
Arsenic	7.5 or SB	3-12	16	3.4	ND	ND	5	ND	ND	**25**	ND	3.1
Barium	300 or SB	15-600	10,000	110	35	59	45	32	31	270	44	92
Beryllium	0.16 or SB	0-1.75	2,700	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	10*	0.1-1	60	ND	ND	ND	ND	ND	ND	1	ND	ND
Calcium	SB	130-35,000	--	2,000	ND	ND	2,200	ND	2,300	11,000	ND	1,100
Chromium III	50*	1.5-40	800	12	11	24	7.6	11	13	**56**	15	16
Cobalt	30 or SB	2.5-60	--	5.6	4.2	7.6	3.4	4.7	5.4	9.5	6.3	8.9
Copper	25 or SB	1-50	10,000	**62**	10	15	**67**	13	**28**	**560**	**110**	**73**
Iron	2,000 or SB	2,000-550,000	--	**12,000**	**21,000**	**25,000**	**12,000**	**18,000**	**15,000**	**46,000**	**84,000**	**26,000**
Lead	SB	200-500	3,900	170	ND	ND	420	5.7	ND	**1,300**	41	55
Magnesium	SB	100-5,000	--	ND	1,100	2,700	750	990	2,600	2,700	1,100	2,400
Manganese	SB	50-5,000	10,000	80	440	430	120	340	260	310	1,300	420
Mercury	0.1	0.001-0.2	6	ND	ND	ND	**0.47**	ND	ND	**0.77**	ND	ND
Nickel	13 or SB	.5-25	10,000	**16**	12	**21**	9	11	**15**	**28**	**22**	**19**
Potassium	SB	8,500-43,000	--	ND	610	1,400	ND	ND	870	ND	ND	2,200
Selenium	2 or SB	0.1-3.9	6,800	ND	ND	ND	ND	ND	ND	**3.2**	ND	ND
Silver	SB	--	6,800	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	SB	6,000-8,000	--	ND	ND	ND	ND	ND	430	310	ND	ND
Thallium	SB	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	150 or SB	1-300	--	ND	14	27	ND	16	24	48	32	23
Zinc	20 or SB	9-50	10,000	**110**	14	**27**	**64**	15	16	**160**	**120**	**110**

Notes:
1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), Technical and Administrative Guidance Memo (TAGM) #4046
2 - Average Eastern USA or NYS Background Concentration, as listed in NYSDEC TAGM #4046
3- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)
ppm: parts per million (or mg/kg)
SB - Site Background
* From NYSDEC proposed revisions to TAGM RSCOs
--: No Standard
Bold - denotes RSCOs exceedance. **Bold** denotes both RSCOs and SB exceedence Exceeds Part 375 Restricted Use Industrial SCOs
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 2.4B

SOIL BORING ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & POLYCHLORINATED BIPHYNYLS (PCBs)

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-01D AC43985-003 0.5 4/14/09	BE-01D AC44084-004 15 4/16/09	BE-01D AC44084-005 35 4/16/09	BE-02D AC43985-002 1 4/14/09	BE-02D AC44135-003 10 4/20/09	BE-02D AC44135-004 35 4/20/09	BE-03D AC43985-001 1 4/14/09	BE-03D AC44084-014 20 4/17/09	BE-03D AC44084-015 35 4/17/09
Pesticides (ppm)											
Aldrin	0.041	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.11	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.2	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane, Total	0.54	47	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.3	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.044	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.1	410	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.06	23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.1	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.02	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2.9	180	ND	ND	ND	ND	ND	ND	0.0038	ND	ND
4,4'-DDE	2.1	120	ND	ND	ND	ND	ND	ND	0.0032 d	ND	ND
4,4'-DDT	2.1	94	0.0045 d	ND	ND	ND	ND	ND	0.0070	ND	ND
Toxaphene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ppm)											
2,3,5-T	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	0.5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	0.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (ppm)											
Aroclor 1016	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1/10**	25	ND	ND	ND	ND	ND	ND	0.049	ND	ND
Aroclor 1248	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1/10**	25	ND	ND	ND	ND	ND	ND	0.045	ND	ND
Aroclor 1262	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1/10**	25	0	0	0	0	0	0	0.094	0	0

Notes:

1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046

2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)

ppm- parts per million (or mg/kg).

--: No Standard

*: Standard applies to sum of these compounds.

**The RSCO for PCBs is one ppm for surface soils (<2 feet bgs) and ten ppm for sub-surface soils (>2 feet bgs).

Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

d - Greater than 40% difference between GC columns. Lower value reported.

TABLE 2.4B

SOIL BORING ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & POLYCHLORINATED BIPHYNYLS (PCBs)

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-04S AC43985-004 0.5 4/14/09	BE-04S AC44084-010 6 4/16/09	BE-04S AC44084-011 10 4/16/09	BE-05D AC43957-003 0.5 4/13/09	BE-05D AC44135-001 25 4/20/09	BE-05D AC44135-002 35 4/20/09	BE-06S AC44017-004 0.5 4/15/09	BE-06S AC44173-005 6 4/22/09	BE-06S AC44173-006 10 4/22/09
Pesticides (ppm)											
Aldrin	0.041	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.11	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.2	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane, Total	0.54	47	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	0.3	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.044	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.1	410	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.06	23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.1	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.02	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2.9	180	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	2.1	120	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	2.1	94	0.027	ND	ND	ND	ND	ND	0.020	ND	ND
Toxaphene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ppm)											
2,3,5-T	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	0.5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	0.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (ppm)											
Aroclor 1016	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1/10**	25	0.094	ND	ND	ND	ND	ND	0.054	ND	ND
Aroclor 1262	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1/10**	25	0.094	0	0	0	0	0	0.054	0	0

Notes:

1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046

2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)

ppm- parts per million (or mg/kg).

--: No Standard

*: Standard applies to sum of these compounds.

*The RSCO for PCBs is one ppm for surface soils (<2 feet bgs) and ten ppm for sub-surface soils (>2 feet bgs).

Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

d - Greater than 40% difference between GC columns. Lower value reported.

TABLE 2.4B

SOIL BORING ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & POLYCHLORINATED BIPHYNYLS (PCBs)

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-07S AC44084-008 0.5 4/16/09	BE-07S AC44135-010 8 4/21/09	BE-07S AC44135-011 10 4/21/09	BE-08D AC43985-005 0.5 4/14/09	BE-08D AC44084-012 20 4/16/09	BE-08D AC44084-013 35 4/16/09	BE-09S AC44017-002 0.5 4/15/09	BE-09S AC44135-012 8 4/21/09	BE-09S AC44135-013 12 4/21/09
Pesticides (ppm)											
Aldrin	0.041	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.11	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.2	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane, Total	0.54	47	ND	ND	ND	ND	ND	ND	**1.60**	ND	ND
delta-BHC	0.3	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.044	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.1	410	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.06	23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.1	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.02	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2.9	180	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	2.1	120	ND	ND	ND	ND	ND	ND	0.018	ND	ND
4,4'-DDT	2.1	94	0.0055 d	ND	ND	0.023 d	ND	ND	0.033	ND	ND
Toxaphene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ppm)											
2,3,5-T	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	0.5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	0.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (ppm)											
Aroclor 1016	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1/10**	25	ND	ND	ND	0.13	ND	ND	0.17	ND	ND
Aroclor 1262	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1/10**	25	0	0	0	0.13	0	0	0.17	0	0

Notes:

1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046

2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)

ppm- parts per million (or mg/kg).

--: No Standard

*: Standard applies to sum of these compounds.

**The RSCO for PCBs is one ppm for surface soils (<2 feet bgs) and ten ppm for sub-surface soils (>2 feet bgs).

Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

d - Greater than 40% difference between GC columns. Lower value reported.

TABLE 2.4B

SOIL BORING ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & POLYCHLORINATED BIPHYNYLS (PCBs)

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-10S AC43957-001 0.5 4/13/09	BE-10S AC44135-005 8 4/20/09	BE-10S AC44135-006 10 4/20/09	BE-11S AC43957-002 0.5 4/13/09	BE-11S AC44135-007 6 4/20/09	BE-11S AC44135-008 10 4/20/09	BE-12S AC44017-005 0.5 4/15/09	BE-12S AC44173-007 6 4/22/09	BE-12S AC4473-008 11 4/22/09
Pesticides (ppm)											
Aldrin	0.041	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.11	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.2	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane, Total	0.54	47	ND	ND	ND	ND	ND	ND	0.98	ND	0.02
delta-BHC	0.3	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.044	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.1	410	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.06	23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.1	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.02	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2.9	180	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	2.1	120	ND	ND	ND	ND	ND	ND	0.015	ND	ND
4,4'-DDT	2.1	94	ND	ND	ND	ND	ND	ND	0.015 d	ND	ND
Toxaphene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ppm)											
2,3,5-T	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	0.5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	0.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (ppm)											
Aroclor 1016	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1/10**	25	ND	ND	ND	ND	ND	ND	0.19	ND	ND
Aroclor 1262	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1/10**	25	0	0	0	0	0	0	0.19	0	0

Notes:

1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046

2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)

ppm- parts per million (or mg/kg).

--: No Standard

*: Standard applies to sum of these compounds.

**The RSCO for PCBs is one ppm for surface soils (<2 feet bgs) and ten ppm for sub-surface soils (>2 feet bgs).

Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

d - Greater than 40% difference between GC columns. Lower value reported.

TABLE 2.4B

SOIL BORING ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & POLYCHLORINATED BIPHYNYLS (PCBs)

Sample ID Lab ID Sample Depth (feet) Collection Date	NYSDEC TAGM RSCOs (1)	Part 375 Industrial SCOs (2)	BE-13S AC44084-006 0.5 4/16/09	BE-13S AC44173-003 6 4/22/09	BE-13S AC44173-004 10 4/22/09	BE-14S AC44084-003 0.5 4/16/09	BE-14S AC44253-003 6 4/23/09	BE-14S AC44253-004 10 4/23/09	BE-15S AC44084-001 0.5 4/15/09	BE-15S AC44253-001 6 4/23/09	BE-15S AC44253-002 10 4/23/09
Pesticides (ppm)											
Aldrin	0.041	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	0.11	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.2	14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane, Total	0.54	47	ND	ND	ND	ND	ND	ND	0.27	ND	ND
delta-BHC	0.3	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.044	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.9	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	1	920*	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.1	410	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.06	23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.1	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.02	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	10	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2.9	180	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	2.1	120	ND	ND	ND	ND	ND	ND	0.017	ND	ND
4,4'-DDT	2.1	94	ND	ND	ND	0.013	0.013	ND	0.065 d	ND	0.014
Toxaphene	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ppm)											
2,3,5-T	1.9	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	0.5	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicamba	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silvex	0.7	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs (ppm)											
Aroclor 1016	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	1/10**	25	ND	ND	ND	ND	ND	ND	0.73	ND	ND
Aroclor 1268	1/10**	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1/10**	25	0	0	0	0	0	0	0.73	0	0

Notes:

1 - NYSDEC Recommended Soil Cleanup Objectives (RSCOs), TAGM #4046

2- NYSDEC Subpart 375-6 Remedial Program Restricted Use Industrial Soil Cleanup Objectives (SCOs)

ppm- parts per million (or mg/kg).

--: No Standard

*: Standard applies to sum of these compounds.

**The RSCO for PCBs is one ppm for surface soils (<2 feet bgs) and ten ppm for sub-surface soils (>2 feet bgs).

Bold - denotes RSCOs exceedance. Exceeds Part 375 Restricted Use Industrial SCOs

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

d - Greater than 40% difference between GC columns. Lower value reported.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
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TABLE 2.5B

SOIL BORING ANALYTICAL RESULTS FOR WASTE CLASSIFICATION SAMPLES

Sample ID Lab ID Sample Depth (feet) Collection Date	USEPA Hazardous Waste Regulatory Level	BE-07S AC44084-009 2 4/16/09	BE-08D AC43985-006 0.5 4/14/09	BE-09S AC44017-003 2 4/15/09	BE-12S AC44017-006 4 4/15/09	BE-13A AC44084-007 4 4/16/09	BE-15S AC44084-002 0.5 4/15/09
Compound							
TCLP VOCs (ppm or mg/L)							
1,1-Dichloroethene	0.7	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	7.5	ND	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	200	ND	ND	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND
Chlorobenzene	100	ND	ND	ND	ND	ND	ND
Chloroform	6	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.7	ND	ND	ND	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.2	ND	ND	ND	ND	ND	ND
TCLP SVOCs (ppm or mg/L)							
2,4,5-Trichlorophenol	400	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	2	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	0.13	ND	ND	ND	ND	ND	ND
2-Methylphenol	--	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	--	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.13	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Hexachloroethane	3	ND	ND	ND	ND	ND	ND
Nitrobenzene	2	ND	ND	ND	ND	ND	ND
Pentachlorophenol	100	ND	ND	ND	ND	ND	ND
Pyridine	5	ND	ND	ND	ND	ND	ND
TCLP Metals (ppm or mg/L)							
Arsenic	5	ND	ND	ND	ND	ND	ND
Barium	100	0.40	0.45	0.37	0.33	0.30	0.45
Cadmium	1	ND	ND	ND	ND	ND	ND
Chromium III	5	ND	ND	ND	ND	ND	ND
Lead	5	ND	0.3	ND	ND	ND	0.41
Mercury	0.2	ND	ND	ND	ND	ND	ND
Nickel	--	ND	ND	ND	ND	ND	ND
Selenium	1	ND	ND	ND	ND	ND	ND
Silver	5	ND	ND	ND	ND	ND	ND
TCLP Pesticides (ppm or mg/L)							
Chlordane	0.03	ND	ND	ND	ND	ND	ND
delta-BHC	--	ND	ND	ND	ND	ND	ND
Endrin	0.02	ND	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	0.4	ND	ND	ND	ND	ND	ND
Heptachlor	0.008	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.008	ND	ND	ND	ND	ND	ND
Methoxychlor	10	ND	ND	ND	ND	ND	ND
Toxaphene	0.5	ND	ND	ND	ND	ND	ND
TCLP Herbicides (ppm or mg/L)							
2,4-D	10	ND	ND	ND	ND	ND	ND
Silvex	1	ND	ND	ND	ND	ND	ND
RCRA Characteristics							
ignitability (degrees F)	flash point <140	negative	negative	negative	negative	negative	negative
corrosivity (pH in standard units)	<2 or >12.5	5.4	5.2	4.8	5.4	6.8	7.6
reactive cyanide (ppm or mg/kg)	generates toxic gas at pH <2 or >12.5	ND	ND	ND	ND	ND	ND
reactive sulfide (ppm or mg/kg)	generates toxic gas at pH <2 or >12.5	ND	ND	ND	ND	ND	ND
Total Petroleum Hydrocarbons - Diesel Range Organics (ppm or mg/kg)	--	ND	280	ND	ND	ND	1,200
Paint Filter Test	--	negative	negative	negative	negative	negative	negative

Notes:
Bold - Exeeds USEPA Hazardous Waste regulatory level
ppm: parts per million
ND - The compound was not detected at the indicated concentration.
--: No Standard

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 3.1B

GROUNDWATER ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) VOLATILE ORGANIC COMPOUNDS (VOCS)

Sample ID Lab ID Collection Date	NYSDEC CLASS GA ST/GV	BE-01D AC44133-005 4/21/09	BE-03D AC44173-001 4/21/09	BE-08D AC44133-003 4/21/09
Compound(ppb)				
1,1,1-Trichloroethane	5	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ND	ND	ND
1,1,2-Trichloroethane	--	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND
1,4-Dioxane	--	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	--	ND	ND	ND
2-Chloroethylvinylether	--	ND	ND	ND
2-Hexanone	50(GV)	ND	ND	ND
4-Isopropyltoluene	5	ND	ND	ND
4-Methyl-2-Pentanone	--	ND	ND	ND
Acetone	50(GV)	ND	ND	ND
Acrolein	--	ND	ND	ND
Acrylonitrile	--	ND	ND	ND
Benzene	1	ND	ND	ND
Bromodichloromethane	50(GV)	ND	ND	ND
Bromoform	50(GV)	ND	ND	ND
Bromomethane	5	ND	ND	ND
Carbon Disulfide	--	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND
Chlorobenzene	5	ND	ND	ND
Chloroethane	5	ND	ND	ND
Chloroform	7	ND	ND	ND
Chloromethane	--	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND
cis-1,3-Dichloropropene	0.4*	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND
Ethylbenzene	5	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND
m/p-Xylenes	5*	ND	ND	ND
Methylene Chloride	5	ND	ND	ND
Methyl tert-butyl Ether	10	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND
o-Xylene	5*	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND
Styrene	5	ND	ND	ND
t-Butyl Alcohol	--	ND	ND	ND
t-Butylbenzene	5	ND	ND	ND
Tetrachloroethene	5	1.6	ND	3
Toluene	5	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND
trans-1,3-Dichloropropene	0.4*	ND	ND	ND
Trichloroethene	5	ND	**7.9**	ND
Trichlorofluoromethane	5	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND
Total Volatile Organic Compounds		1.6	7.9	3

Notes:
--: No Standard (ST) or Guidance Value (GV)
*: Applies to sum of isomers.
Bold - denotes exceeds NYSDEC TOGS 1.1.1 class GA groundwater standard or guidance value.
ppb: parts per billion (or ug/L)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
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TABLE 3.2B

GROUNDWATER ANALYTICAL RESULTS FOR
TARGET COMPOUND LIST (TCL) SEMIVOLATILE ORGANIC COMPOUNDS

Sample ID Lab ID Collection Date	NYSDEC CLASS GA ST/GV	BE-01D AC44133-005 4/21/09	BE-03D AC44173-001 4/21/09	BE-08D AC44133-003 4/21/09
Compound (ppb)				ND
1,2,4-Trichlorobenzene	5	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND
2,4,5-Trichlorophenol	1*	ND	ND	ND
2,4,6-Trichlorophenol	1*	ND	ND	ND
2,4-Dichlorophenol	5*	ND	ND	ND
2,4-Dimethylphenol	50(GV)	ND	ND	ND
2,4-Dinitrophenol	10(GV)	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND
2-Chloronaphthalene	10(GV)	ND	ND	ND
2-Chlorophenol	--	ND	ND	ND
2-Methylnaphthalene	--	ND	ND	ND
2-Methylphenol	1*	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND
2-Nitrophenol	1*	ND	ND	ND
3+4-Methylphenols	1*	ND	ND	ND
3,3-Dichlorobenzidine	5	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND
4,6-Dinitro-2-methylphenol	--	ND	ND	ND
4-Bromophenyl-phenylether	--	ND	ND	ND
4-Chloro-3-methylphenol	--	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND
4-Chlorophenyl-phenylether	--	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND
4-Nitrophenol	1*	ND	ND	ND
Acenaphthene	20(GV)	ND	ND	ND
Acenaphthylene	--	ND	ND	ND
Aniline	5	ND	ND	ND
Anthracene	50(GV)	ND	ND	ND
Benzidine	5	ND	ND	ND
Benzo(a)anthracene	--	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002(GV)	ND	ND	ND
Benzo(g,h,i)perylene	--	ND	ND	ND
Benzo(k)fluoranthene	0.002(GV)	ND	ND	ND
Benzoic acid	--	ND	ND	ND
bis(2-Chloroethoxy)methane	5	ND	ND	ND
bis(2-Chloroethyl)ether	1	ND	ND	ND
bis(2-Chloroisopropyl)ether	--	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	ND	ND	ND
Butylbenzylphthalate	50(GV)	ND	ND	ND
Carbazole	--	ND	ND	ND
Chrysene	0.002(GV)	ND	ND	ND
Dibenz(a,h)anthracene	--	ND	ND	ND
Dibenzofuran	--	ND	ND	ND
Diethylphthalate	50(GV)	ND	ND	ND
Dimethylphthalate	50(GV)	ND	ND	ND
Di-n-butylphthalate	50	ND	ND	ND
Di-n-octyl phthalate	50(GV)	ND	ND	ND
Fluoranthene	50(GV)	ND	ND	ND
Fluorene	50(GV)	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND
Hexachlorocyclopentadiene	5	ND	ND	ND
Hexachloroethane	5	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002(GV)	ND	ND	ND
Isophorone	50(GV)	ND	ND	ND
Naphthalene	10(GV)	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND
N-Nitrosodihethylamine	--	ND	ND	ND
N-Nitroso-di-n-propylamine	--	ND	ND	ND
N-Nitrosodiphenylamine	50(GV)	ND	ND	ND
Pentachlorophenol	1*	ND	ND	ND
Phenanthrene	50(GV)	ND	ND	ND
Phenol	1*	ND	ND	ND
Pyrene	50(GV)	ND	ND	ND
Total Semi-volatile Organic Compounds		0	0	0

Notes:
--: No Standard (ST) or Guidance Value (GV)
*: Applies to sum of isomers
Bold - denotes exceeds NYSDEC TOGS 1.1.1 class GA groundwater standard or guidance value.
ppb: parts per billion (or ug/L)
ND - The compound was not detected at the indicated concentration.
NA - Not Analyzed
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 3.3B

GROUNDWATER ANALYTICAL RESULTS FOR TARGET ANALYTE LIST (TAL) METALS

Sample ID Lab ID Collection Date	NYSDEC CLASS GA ST/GV	BE-01D U (Unfiltered) AC44133-005 4/21/09	BE-01D F (Filtered) AC44133-006 4/21/09	BE-03D U (Unfiltered) AC44173-001 4/21/09	BE-03D F (Filtered) AC44173-002 4/21/09	BE-08D U (Unfiltered) AC44133-003 4/21/09	BE-08D F (Filtered) AC44133-004 4/21/09
Compound (ppb)							
Aluminum	--	1,600	ND	1,800	ND	850	ND
Antimony	3	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND
Barium	1,000	ND	ND	ND	ND	ND	ND
Beryllium	3 (GV)	ND	ND	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	ND
Calcium	--	32,000	30,000	39,000	40,000	17,000	16,000
Chromium III	50	ND	ND	ND	ND	ND	ND
Cobalt	--	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND
Iron	300/500*	**5,300**	ND	**5,900**	ND	**2,700**	ND
Lead	25	ND	ND	ND	ND	ND	ND
Magnesium	35,000 (GV)	13,000	12,000	12,000	12,000	7,000	6,600
Manganese	300/500*	**380**	100	**560**	260	**330**	180
Mercury	0.7	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND
Potassium	--	ND	ND	ND	ND	ND	ND
Selenium	10	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND
Sodium	20,000	11,000	10,000	**27,000**	**27,000**	11,000	10,000
Thallium	0.5 (GV)	ND	ND	ND	ND	ND	ND
Vanadium	--	ND	ND	ND	ND	ND	ND
Zinc	2,000 (GV)	ND	ND	ND	ND	ND	ND

Notes:

ppb: parts per billion (or ug/L)

--: No Standard (ST) or Guidance Value (GV)

* - Although the individual standards for iron and manganese are 300 ug/L, when both are present, the standard applies to the total and is 500 ug/L

Bold - denotes exceeds NYSDEC TOGS 1.1.1 class GA groundwater standard or guidance value.

ND - The compound was not detected at the indicated concentration.

NA - Not Analyzed

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

LONG ISLAND RAIL ROAD
MORRIS PARK YARD FACILITY
DRAFT PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

TABLE 3.4B

GROUNDWATER ANALYTICAL RESULTS FOR PESTICIDES, HERBICIDES & PCBs

Sample ID Lab ID Collection Date	NYSDEC CLASS GA ST/GV	BE-01D AC44133-005 4/21/09	BE-03D AC44173-001 4/21/09	BE-08D AC44133-003 4/21/09
Pesticides (ppb)				
Aldrin	ND	ND	ND	ND
alpha-BHC	0.01	ND	ND	ND
beta-BHC	0.04	ND	ND	ND
Chlordane, Total	0.05	ND	ND	ND
delta-BHC	0.04	ND	ND	ND
Dieldrin	0.004	ND	ND	ND
Endosulfan I	--	ND	ND	ND
Endosulfan II	--	ND	ND	ND
Endosulfan sulfate	--	ND	ND	ND
Endrin	ND	ND	ND	ND
Endrin aldehyde	5	ND	ND	ND
Endrin ketone	5	ND	ND	ND
gamma-BHC (Lindane)	0.05	ND	ND	ND
Heptachlor	0.04	ND	ND	ND
Heptachlor epoxide	0.03	ND	ND	ND
Methoxychlor	35	ND	ND	ND
4,4'-DDD	0.3	ND	ND	ND
4,4'-DDE	0.2	ND	ND	ND
4,4'-DDT	0.2	ND	ND	ND
Toxaphene	0.06	ND	ND	ND
Herbicides (ppb)				
2,3,5-T	35	ND	ND	ND
2,4-D	50	ND	ND	ND
Dicamba	0.44	ND	ND	ND
Silvex	--	ND	ND	ND
PCBs (ppb)				
Aroclor 1016	0.09	ND	ND	ND
Aroclor 1221	0.09	ND	ND	ND
Aroclor 1232	0.09	ND	ND	ND
Aroclor 1242	0.09	ND	ND	ND
Aroclor 1248	0.09	ND	ND	ND
Aroclor 1254	0.09	ND	ND	ND
Aroclor 1260	0.09	ND	ND	ND
Aroclor 1262	0.09	ND	ND	ND
Aroclor 1268	0.09	ND	ND	ND
Total PCBs	0.09	0	0	0

Notes:

ppb- parts per billion (or ug/L).

--: No Standard (ST) or Guidance Value (GV)

Bold - denotes exceeds NYSDEC TOGS 1.1.1 class GA groundwater standard or guidance value.

ND - The compound was not detected at the indicated concentration.

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