

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Weldon Fanwood Screening	Weldon Fanwood Select Fill	Allocco	Tilcon New York, Inc	Amboy Aggregates Sand
SAMPLE ID:									
LAB ID:					JB15010-1A	JB15010-2A	1012806-01	07616-001	E11-12558-001
COLLECTION DATE:					8/29/12	8/29/12	1/24/11	8/3/12	12/16/11
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	NA	NA	NA	NA	NA
Solids, Percent	%	NC	NC	NC	NA	NA	NA	NA	NA
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	NA	NA	NA	NA	NA
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

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					Amboy Aggregates Sand 1	Amboy Aggregates Sand 2	Bayshore Screening Pile - Soil 1	Bayshore Screening Pile - Soil 2	Bayshore Screening Pile - Soil 3	
SAMPLE ID:										
LAB ID:					JB19430-1A	JB19430-2A	JB19431-1A	JB19431-2A	JB19431-3A	
COLLECTION DATE:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12	
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil	
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA	NA	<21	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	0.09510 ^a	0.08200 ^a	0.08520 ^a	
Redox Potential Vs H2	mv	NC	NC	NC	309	324	361	390	388	
Solids, Percent	%	NC	NC	NC	95.2	95.5	95.1	82	85.2	
Sulfate	mg/kg	NC	NC	NC	NA	NA	<110	NA	NA	
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	2.000 ^a	2.000 ^a	2.000 ^a	
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	0.1000 ^a	0.1000 ^a	0.1000 ^a	
pH	su	NC	NC	NC	9.39	9.08	6.67	5.9	6	
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	8.88 ^a	9.42 ^a	9.20 ^a	

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					Bayshore Screening Pile - Soil 4	Bayshore Screening Pile - Soil 5	Bayshore Screening Pile - Soil 6	Bayshore Screening Pile - Soil 7	Bayshore Screening Pile - Soil 8
SAMPLE ID:									
LAB ID:					JB19431-4A	JB19431-5A	JB19431-6A	JB19431-7A	JB19431-8A
COLLECTION DATE:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.08280 ^a	0.08230 ^a	0.08230 ^a	0.08470 ^a	0.08280 ^a
Redox Potential Vs H2	mv	NC	NC	NC	393	388	398	398	403
Solids, Percent	%	NC	NC	NC	82.8	82.3	82.3	84.7	82.8
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	2.000 ^a	2.000 ^a	2.000 ^a	2.000 ^a	2.000 ^a
Weight, SPLP Leachate	kg	NC	NC	NC	0.1000 ^a	0.1000 ^a	0.1000 ^a	0.1000 ^a	0.1000 ^a
pH	su	NC	NC	NC	6.04	6.73	6.26	6.12	6.03
pH, SPLP Leachate	su	NC	NC	NC	9.70 ^a	9.74 ^a	9.71 ^a	9.62 ^a	9.28 ^a

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SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayshore Screening Pile - Soil 9	Bayshore Screening Pile - Soil 10	Bayshore Screening Pile - Soil 11	Bayshore Screening Pile - Soil 12	Bayshore Screening Pile - Soil 13
SAMPLE ID:									
LAB ID:					JB19431-9A	JB19431-10A	JB19431-11A	JB19431-12A	JB19431-13A
COLLECTION DATE:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	26
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.09060 ^a	0.08850 ^a	0.08710 ^a	0.08750 ^a	0.08970 ^a
Redox Potential Vs H2	mv	NC	NC	NC	402	365	370	393	396
Solids, Percent	%	NC	NC	NC	90.6	88.5	87.1	87.5	89.7
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	NA	144
Volume, SPLP Leachate	L	NC	NC	NC	2.000 ^a	2.000 ^a	2.000 ^a	2.000 ^a	2.000 ^a
Weight, SPLP Leachate	kg	NC	NC	NC	0.1000 ^a	0.1000 ^a	0.1000 ^a	0.1000 ^a	0.1000 ^a
pH	su	NC	NC	NC	7.66	7.38	6.77	6.25	7.21
pH, SPLP Leachate	su	NC	NC	NC	9.66 ^a	9.72 ^a	9.56 ^a	9.65 ^a	9.58 ^a

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					Bayshore Screening Pile - Soil 14	Bayshore Screening Pile - Soil 15	Former Raritan Arsenal Fill - Soil 1	Former Raritan Arsenal Fill - Soil 2	Former Raritan Arsenal Fill - Soil 3
SAMPLE ID:									
LAB ID:					JB19431-14A	JB19431-15A	JB19112-1A	JB19112-2A	JB19112-3A
COLLECTION DATE:					10/16/12	10/16/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	<23	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.08880 ^a	0.08860 ^a	NA	NA	0.0873
Redox Potential Vs H2	mv	NC	NC	NC	393	389	377	365	357
Solids, Percent	%	NC	NC	NC	88.8	88.6	86.6	87.5	87.3
Sulfate	mg/kg	NC	NC	NC	NA	NA	1260	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	2.000 ^a	2.000 ^a	NA	NA	2.008
Weight, SPLP Leachate	kg	NC	NC	NC	0.1000 ^a	0.1000 ^a	NA	NA	0.1004
pH	su	NC	NC	NC	7.29	8.08	7.11	7.37	8.42
pH, SPLP Leachate	su	NC	NC	NC	9.81 ^a	9.56 ^a	NA	NA	9.62

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SAMPLE ID:					Former Raritan Arsenal Fill - Soil 4	Former Raritan Arsenal Fill - Soil 5	Former Raritan Arsenal Fill - Soil 6	Former Raritan Arsenal Fill - Soil 7	Former Raritan Arsenal Fill - Soil 8
LAB ID:					JB19112-4A	JB19112-5A	JB19112-6A	JB19112-7A	JB19112-8A
COLLECTION DATE:					10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	367	406	432	526	467
Solids, Percent	%	NC	NC	NC	93.1	86.6	88.4	89.2	95.2
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	7.2	6.23	4.72	3.81	4.91
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

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SAMPLE ID:					Former Raritan Arsenal Fill - Soil 9	Former Raritan Arsenal Fill - Soil 10	Former Raritan Arsenal Fill - Soil 11	Former Raritan Arsenal Fill - Soil 12	Former Raritan Arsenal Fill - Soil 13
LAB ID:					JB19112-9A	JB19112-10A	JB19112-11A	JB19112-12A	JB19112-13A
COLLECTION DATE:					10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	<22
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	552	464	456	443	480
Solids, Percent	%	NC	NC	NC	93.9	95	88.1	94.6	89.5
Sulfate	mg/kg	NC	NC	NC	NA	-	-	-	<110
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	3.68	3.93	4.51	6.13	4.59
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

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SAMPLE ID:					Former Raritan Arsenal Fill - Soil 14	Former Raritan Arsenal Fill - Soil 15	Former Raritan Arsenal Fill - Soil 16	Former Raritan Arsenal Fill - Soil 17	Former Raritan Arsenal Fill - Soil 18
LAB ID:					JB19112-14A	JB19112-15A	JB19112-16A	JB19112-17A	JB19112-18A
COLLECTION DATE:					10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	515	484	643	539	544
Solids, Percent	%	NC	NC	NC	94.8	95.5	90.4	92.7	87.1
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	4.11	5.61	3.6	4.83	4.15
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

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SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

SAMPLE ID:					Former Raritan Arsenal Fill - Soil 19	Liberty Stone I-78 Soil 1	Liberty Stone I-78 Soil 2	Liberty Stone I-78 Soil 3	Liberty Stone I-78 Soil 4			
LAB ID:					JB19112-19A	JB18892-1A	JB18892-2A	JB18892-3A	JB18892-4A			
COLLECTION DATE:					10/12/12	10/10/12	10/10/12	10/10/12	10/10/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA	38.3	NA	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	0.0874	0.0906	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	531	455	427	432	444			
Solids, Percent	%	NC	NC	NC	90.5	87.3	90.3	90.7	91.3			
Sulfate	mg/kg	NC	NC	NC	NA	286	NA	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	NA	2.002	2.006	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	0.1001	0.1003	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	3.91	8.22	10.03	9.94	9.44			
pH, SPLP Leachate	su	NC	NC	NC	NA	8.39	8.46	NA	NA	NA	NA	NA

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					Liberty Stone I-78 Soil 5	Liberty Stone I-78 Soil 6	Liberty Stone I-78 Soil 7	Liberty Stone I-78 Soil 8	Liberty Stone I-78 Soil 9
SAMPLE ID:									
LAB ID:					JB18892-5A	JB18892-6A	JB18892-7A	JB18892-8A	JB18892-9A
COLLECTION DATE:					10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	436	431	433	436	402
Solids, Percent	%	NC	NC	NC	90.9	91	90.5	90.3	90
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	9.84	9.98	9.88	9.7	10.85
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

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					Liberty Stone I-78 Soil 10	Liberty Stone I-78 Soil 11	Liberty Stone I-78 Soil 12	Liberty Stone I-78 Soil 13	Liberty Stone I-78 Soil 14			
SAMPLE ID:												
LAB ID:					JB18892-10A	JB18892-11A	JB18892-12A	JB18892-13A	JB18892-14A			
COLLECTION DATE:					10/10/12	10/10/12	10/10/12	10/10/12	10/10/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	50	NA			
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	0.0901	0.0916	0.093	0.0906			
Redox Potential Vs H2	mv	NC	NC	NC	344	391	403	418	389			
Solids, Percent	%	NC	NC	NC	89.7	89.8	91.3	92.6	90.4			
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	<110	NA			
Volume, SPLP Leachate	L	NC	NC	NC	NA	2.006	2.008	2.008	2.004			
Weight, SPLP Leachate	kg	NC	NC	NC	NA	0.1003	0.1004	0.1004	0.1002			
pH	su	NC	NC	NC	11.12	10.68	10.02	10.2	8.77			
pH, SPLP Leachate	su	NC	NC	NC	NA	10	7.68	7.2	5.1			

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					Liberty Stone I-78 Soil 15	Liberty Stone I-78 Soil 16	Liberty Stone I-78 Soil 17	Liberty Stone I-78 Soil 18	Liberty Stone I-78 Soil 19
SAMPLE ID:					JB18892-15A	JB18892-16A	JB18892-17A	JB18892-18A	JB18892-19A
LAB ID:					10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:					Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:									
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	387	425	415	434	441
Solids, Percent	%	NC	NC	NC	93	92	92	87.9	88.3
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	11.02	9.49	10.21	8.56	8.21
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Natures Choice I-78 Soil 1	Natures Choice I-78 Soil 2	Natures Choice I-78 Soil 3	Natures Choice I-78 Soil 4	Natures Choice I-78 Soil 5
SAMPLE ID:					JB19432-1A	JB19432-2A	JB19432-3A	JB19432-4A	JB19432-5A
LAB ID:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:					Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:									
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	99.6	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0949	0.092	0.09	0.0894	0.0893
Redox Potential Vs H2	mv	NC	NC	NC	338	385	374	390	395
Solids, Percent	%	NC	NC	NC	94.5	91.6	89.6	89.1	89.2
Sulfate	mg/kg	NC	NC	NC	<110	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	2.008	2.01	2.01	2.006	2.002
Weight, SPLP Leachate	kg	NC	NC	NC	0.1004	0.1005	0.1005	0.1003	0.1001
pH	su	NC	NC	NC	9.01	7.59	8.35	7.65	7.56
pH, SPLP Leachate	su	NC	NC	NC	9.14	8.04	8.7	7.9	8.44

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Natures Choice I-78 Soil 6	Natures Choice I-78 Soil 7	Natures Choice I-78 Soil 8	Natures Choice I-78 Soil 9	Natures Choice I-78 Soil 10
SAMPLE ID:									
LAB ID:					JB19432-6A	JB19432-7A	JB19432-8A	JB19432-9A	JB19432-10A
COLLECTION DATE:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0933	0.0928	0.0906	0.0913	0.0926
Redox Potential Vs H2	mv	NC	NC	NC	397	343	253	363	348
Solids, Percent	%	NC	NC	NC	93.2	92.8	90.6	91	92.3
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	2.002	2	2	2.006	2.006
Weight, SPLP Leachate	kg	NC	NC	NC	0.1001	0.1	0.1	0.1003	0.1003
pH	su	NC	NC	NC	8.73	9.15	10.98	8.51	8.68
pH, SPLP Leachate	su	NC	NC	NC	8.29	9.19	10.11	8.49	8.74

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Natures Choice I-78 Soil 11	Natures Choice I-78 Soil 12	Natures Choice I-78 Soil 13	Natures Choice I-78 Soil 14	Natures Choice I-78 Soil 15
SAMPLE ID:					JB19432-11A	JB19432-12A	JB19432-13A	JB19432-14A	JB19432-15A
LAB ID:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:					Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:									
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	82.4	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0909	0.0923	0.0928	0.0928	0.091
Redox Potential Vs H2	mv	NC	NC	NC	350	369	356	390	408
Solids, Percent	%	NC	NC	NC	90.9	91.9	92.8	92.5	90.9
Sulfate	mg/kg	NC	NC	NC	NA	NA	<110	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	2	2.008	2	2.006	2.002
Weight, SPLP Leachate	kg	NC	NC	NC	0.1	0.1004	0.1	0.1003	0.1001
pH	su	NC	NC	NC	8.99	8.15	9.26	8.51	7.56
pH, SPLP Leachate	su	NC	NC	NC	8.85	8.85	8.28	7.78	7.46

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Natures Choice I-78 Soil 16	Natures Choice I-78 Soil 17	Natures Choice I-78 Soil 18	Natures Choice I-78 Soil 19	Natures Choice I-78 Soil 20
SAMPLE ID:					JB19432-16A	JB19432-17A	JB19432-18A	JB19432-19A	JB19432-20A
LAB ID:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:					Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:									
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0932	0.0903	0.0896	0.0896	0.092
Redox Potential Vs H2	mv	NC	NC	NC	419	433	417	425	414
Solids, Percent	%	NC	NC	NC	93.2	89.9	89.6	89.4	91.8
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	2	2.008	2	2.004	2.004
Weight, SPLP Leachate	kg	NC	NC	NC	0.1	0.1004	0.1	0.1002	0.1002
pH	su	NC	NC	NC	8.76	7.24	8.88	7.72	9.24
pH, SPLP Leachate	su	NC	NC	NC	8.31	7.29	8.22	7.72	8.86

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Natures Choice I-78 Soil 21	Natures Choice I-78 Soil 22	Turnpike Basin 8C IS-14	Turnpike Basin 8C IS-15	Turnpike Basin 8C IS-16
SAMPLE ID:									
LAB ID:					JB19432-21A	JB19432-22A	JB20852-2	JB20852-3	JB20852-4
COLLECTION DATE:					10/16/12	10/16/12	11/9/12	11/9/12	11/9/12
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0916	0.0903	0.0919	0.0907	0.0908
Redox Potential Vs H2	mv	NC	NC	NC	427	392	420	416	404
Solids, Percent	%	NC	NC	NC	91.3	90.3	91.8	90.6	90.4
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	2.006	2	2	2.002	2.008
Weight, SPLP Leachate	kg	NC	NC	NC	0.1003	0.1	0.1	0.1001	0.1004
pH	su	NC	NC	NC	7.43	6.94	5.36	5.81	6.21
pH, SPLP Leachate	su	NC	NC	NC	7.54	7.58	5.92	5.7	6.55

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Turnpike Basin 8C IS-17	Turnpike Basin 8C IS-18	Turnpike Basin 8C IS-19	Turnpike Basin 8C IS-20	Turnpike Basin 8C IS-21
SAMPLE ID:					JB20852-5	JB20852-6	JB20852-7	JB20852-8	JB20852-9
LAB ID:					11/9/12	11/9/12	11/9/12	11/9/12	11/9/12
COLLECTION DATE:					Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:									
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0903	0.0891	0.0913	0.0905	0.0911
Redox Potential Vs H2	mv	NC	NC	NC	405	424	420	424	418
Solids, Percent	%	NC	NC	NC	90.1	89.1	91.3	90.2	90.8
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	2.004	2	2	2.006	2.006
Weight, SPLP Leachate	kg	NC	NC	NC	0.1002	0.1	0.1	0.1003	0.1003
pH	su	NC	NC	NC	7.17	6.06	6.01	6.15	5.85
pH, SPLP Leachate	su	NC	NC	NC	7	6.8	6.77	7.62	7.09

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Turnpike Basin 8C IS-22	Turnpike Basin 8C IS-23	Turnpike Basin 8C IS-24	Turnpike Basin 8C IS-25	Turnpike Basin 8C IS-26
SAMPLE ID:					JB20852-10	JB20852-11	JB20852-12	JB20852-13	JB20852-14
LAB ID:					11/9/12	11/9/12	11/9/12	11/9/12	11/9/12
COLLECTION DATE:					Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:									
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	34.4	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0883	0.0914	0.0912	0.0923	0.0907
Redox Potential Vs H2	mv	NC	NC	NC	377	450	452	452	449
Solids, Percent	%	NC	NC	NC	90	91.4	91	92	90.6
Sulfate	mg/kg	NC	NC	NC	<110		NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	2.004	2	2.004	2.006	2.002
Weight, SPLP Leachate	kg	NC	NC	NC	0.1002	0.1002	0.1002	0.1003	0.1001
pH	su	NC	NC	NC	4.96	5.81	5.58	4.96	4.92
pH, SPLP Leachate	su	NC	NC	NC	6.95	7.36	6.95	6.37	6.77

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Turnpike Basin 8C IS-27	Turnpike Basin 8C IS-28	Turnpike Basin 8C IS-29	Turnpike Basin 8C IS-30	Turnpike Basin 8C IS-31
SAMPLE ID:									
LAB ID:					JB20852-15	JB20852-16	JB20852-17	JB20852-18	JB20852-19
COLLECTION DATE:					11/9/12	11/9/12	11/9/12	11/9/12	11/9/12
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0888	0.093	0.0932	0.0946	0.0916
Redox Potential Vs H2	mv	NC	NC	NC	454	455	463	456	459
Solids, Percent	%	NC	NC	NC	88.5	92.5	93.2	94.6	91.2
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	2.006	2.006	2.006	2	2.008
Weight, SPLP Leachate	kg	NC	NC	NC	0.1003	0.1005	0.1	0.1	0.1004
pH	su	NC	NC	NC	4.82	4.89	4.78	5.01	4.97
pH, SPLP Leachate	su	NC	NC	NC	6.93	8.28	6.68	6.86	6.69

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Turnpike Basin 8C IS-32	Turnpike Basin 8C IS-33	Turnpike Basin 8C IS-22	Bayonne FD-1	Bayonne FD-2			
SAMPLE ID:												
LAB ID:					JB20852-20	JB20852-21	JB20852-10	JB33052-1A	JB33052-2A			
COLLECTION DATE:					11/9/12	11/9/12	11/9/12	4/2/13	4/2/13			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA	NA	34.4	<20	<21			
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0881	0.0883	0.0883	NA	NA			
Redox Potential Vs H2	mv	NC	NC	NC	433	434	377	255	316			
Solids, Percent	%	NC	NC	NC	87.7	88.2	90	99.4	95.2			
Sulfate	mg/kg	NC	NC	NC	NA	NA	<110	<100	<110			
Volume, SPLP Leachate	L	NC	NC	NC	2.01	2.002	2.004	NA	NA			
Weight, SPLP Leachate	kg	NC	NC	NC	0.1005	0.1001	0.1002	NA	NA			
pH	su	NC	NC	NC	5.05	5.19	4.96	9.27	9.24			
pH, SPLP Leachate	su	NC	NC	NC	6.69	6.09	6.95	NA	NA			

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayonne FD-3	Bayonne FD-4	Bayonne FD-5	Bayonne FD-6	Bayonne FD-7
SAMPLE ID:									
LAB ID:					JB33052-3A	JB33052-4A	JB33052-5A	JB33052-6A	JB33052-7A
COLLECTION DATE:					4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	<21	<21	<21	<21	<21
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	314	326	330	340	335
Solids, Percent	%	NC	NC	NC	95.7	95.4	94.3	94.7	95.5
Sulfate	mg/kg	NC	NC	NC	<100	<100	<110	<110	<100
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	9.28	9.19	9.07	9.18	9.23
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayonne FD-8	Bayonne FD-9	Bayonne FD-10	Bayonne FD-11	Bayonne FD-12
SAMPLE ID:									
LAB ID:					JB33052-8A	JB33052-9A	JB33052-10A	JB33052-11A	JB33052-12A
COLLECTION DATE:					4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	<21	<21	<21	<21	<21
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	346	340	242	245	256
Solids, Percent	%	NC	NC	NC	95.2	94.9	96.4	95	95
Sulfate	mg/kg	NC	NC	NC	<110	<110	<100	<110	<100
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	9.09	9.26	9.22	9.22	9.2
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayonne FD-13	Bayonne FD-14	Bayonne FD-15	Bayonne FD-16	Bayonne FD-17
SAMPLE ID:									
LAB ID:					JB33052-13A	JB33052-14A	JB33052-15A	JB33052-16A	JB33052-17A
COLLECTION DATE:					4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	<21	<21	<21	<21	<21
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	268	277	281	287	298
Solids, Percent	%	NC	NC	NC	95	93.4	95	95	93.6
Sulfate	mg/kg	NC	NC	NC	<110	<110	<100	<110	<110
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	9.23	9.07	9.18	9.27	9.12
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayonne FD-18	Bayonne FD-19	Bayonne FD-20	Bayonne FD-21	Bayonne FD-22
SAMPLE ID:									
LAB ID:					JB33052-18A	JB33052-19A	JB33052-20A	JB33052-21A	JB33052-22A
COLLECTION DATE:					4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	<21	<21	<21	<21	<21
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	293	306	300	315	315
Solids, Percent	%	NC	NC	NC	95.2	95.1	94.7	93.8	94.9
Sulfate	mg/kg	NC	NC	NC	<100	<110	<110	<110	<110
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	9.23	9	9.09	9.08	9.07
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayonne FD-DUP1	Bayonne FD-DUP2
SAMPLE ID:						
LAB ID:					JB33052-23A	JB33052-24A
COLLECTION DATE:					4/2/13	4/2/13
SAMPLE MATRIX:					Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result
Chloride	mg/kg	NC	NC	NC	<21	<21
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	309	310
Solids, Percent	%	NC	NC	NC	95.2	94.9
Sulfate	mg/kg	NC	NC	NC	<100	<100
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA
pH	su	NC	NC	NC	9.25	9.24
pH, SPLP Leachate	su	NC	NC	NC	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

SAMPLE ID:					Weldon Fanwood Screening	Weldon Fanwood Select Fill	Allocco	Tilcon New York, Inc	Amboy Aggregates Sand
LAB ID:					JB15010-1A	JB15010-2A	1012806-01	07616-001	E11-12558-001
COLLECTION DATE:					8/29/12	8/29/12	1/24/11	8/3/12	12/16/11
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	NA	NA	NA	NA	NA
Solids, Percent	%	NC	NC	NC	NA	NA	NA	NA	NA
Sulfate	mg/kg	NC	NC	NC	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	NA	NA	NA	NA	NA
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

SAMPLE ID:					Amboy Aggregates Sand 1	Amboy Aggregates Sand 2	Bayshore Screening Pile - Soil 1	Bayshore Screening Pile - Soil 2	Bayshore Screening Pile - Soil 3					
LAB ID:					JB19430-1A	JB19430-2A	JB19431-1A	JB19431-2A	JB19431-3A					
COLLECTION DATE:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12					
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil					
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result			
Chloride	mg/kg	NC	NC	NC	NA		NA		<21		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		0.09510 ^a		0.08200 ^a		0.08520 ^a	
Redox Potential Vs H2	mv	NC	NC	NC	309		324		361		390		388	
Solids, Percent	%	NC	NC	NC	95.2		95.5		95.1		82		85.2	
Sulfate	mg/kg	NC	NC	NC	NA		NA		<110		NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	NA		NA		2.000 ^a		2.000 ^a		2.000 ^a	
Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		0.1000 ^a		0.1000 ^a		0.1000 ^a	
pH	su	NC	NC	NC	9.39		9.08		6.67		5.9		6	
pH, SPLP Leachate	su	NC	NC	NC	NA		NA		8.88 ^a		9.42 ^a		9.20 ^a	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayshore Screening Pile - Soil 4	Bayshore Screening Pile - Soil 5	Bayshore Screening Pile - Soil 6	Bayshore Screening Pile - Soil 7	Bayshore Screening Pile - Soil 8			
SAMPLE ID:												
LAB ID:					JB19431-4A	JB19431-5A	JB19431-6A	JB19431-7A	JB19431-8A			
COLLECTION DATE:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.08280 ^a		0.08230 ^a		0.08230 ^a		0.08470 ^a	
Redox Potential Vs H2	mv	NC	NC	NC	393		388		398		398	
Solids, Percent	%	NC	NC	NC	82.8		82.3		82.3		84.7	
Sulfate	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	2.000 ^a		2.000 ^a		2.000 ^a		2.000 ^a	
Weight, SPLP Leachate	kg	NC	NC	NC	0.1000 ^a		0.1000 ^a		0.1000 ^a		0.1000 ^a	
pH	su	NC	NC	NC	6.04		6.73		6.26		6.12	
pH, SPLP Leachate	su	NC	NC	NC	9.70 ^a		9.74 ^a		9.71 ^a		9.62 ^a	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayshore Screening Pile - Soil 9	Bayshore Screening Pile - Soil 10	Bayshore Screening Pile - Soil 11	Bayshore Screening Pile - Soil 12	Bayshore Screening Pile - Soil 13			
SAMPLE ID:												
LAB ID:					JB19431-9A	JB19431-10A	JB19431-11A	JB19431-12A	JB19431-13A			
COLLECTION DATE:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA		NA		NA		NA	26
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.09060 ^a		0.08850 ^a		0.08710 ^a		0.08750 ^a	0.08970 ^a
Redox Potential Vs H2	mv	NC	NC	NC	402		365		370		393	396
Solids, Percent	%	NC	NC	NC	90.6		88.5		87.1		87.5	89.7
Sulfate	mg/kg	NC	NC	NC	NA		NA		NA		NA	144
Volume, SPLP Leachate	L	NC	NC	NC	2.000 ^a		2.000 ^a		2.000 ^a		2.000 ^a	2.000 ^a
Weight, SPLP Leachate	kg	NC	NC	NC	0.1000 ^a		0.1000 ^a		0.1000 ^a		0.1000 ^a	0.1000 ^a
pH	su	NC	NC	NC	7.66		7.38		6.77		6.25	7.21
pH, SPLP Leachate	su	NC	NC	NC	9.66 ^a		9.72 ^a		9.56 ^a		9.65 ^a	9.58 ^a

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayshore Screening Pile - Soil 14	Bayshore Screening Pile - Soil 15	Former Raritan Arsenal Fill - Soil 1	Former Raritan Arsenal Fill - Soil 2	Former Raritan Arsenal Fill - Soil 3					
SAMPLE ID:														
LAB ID:					JB19431-14A	JB19431-15A	JB19112-1A	JB19112-2A	JB19112-3A					
COLLECTION DATE:					10/16/12	10/16/12	10/12/12	10/12/12	10/12/12					
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil					
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result					
Chloride	mg/kg	NC	NC	NC	NA		NA		<23		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.08880 ^a		0.08860 ^a		NA		NA		0.0873	
Redox Potential Vs H2	mv	NC	NC	NC	393		389		377		365		357	
Solids, Percent	%	NC	NC	NC	88.8		88.6		86.6		87.5		87.3	
Sulfate	mg/kg	NC	NC	NC	NA		NA		1260		NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	2.000 ^a		2.000 ^a		NA		NA		2.008	
Weight, SPLP Leachate	kg	NC	NC	NC	0.1000 ^a		0.1000 ^a		NA		NA		0.1004	
pH	su	NC	NC	NC	7.29		8.08		7.11		7.37		8.42	
pH, SPLP Leachate	su	NC	NC	NC	9.81 ^a		9.56 ^a		NA		NA		9.62	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

SAMPLE ID:					Former Raritan Arsenal Fill - Soil 4	Former Raritan Arsenal Fill - Soil 5	Former Raritan Arsenal Fill - Soil 6	Former Raritan Arsenal Fill - Soil 7	Former Raritan Arsenal Fill - Soil 8					
LAB ID:					JB19112-4A	JB19112-5A	JB19112-6A	JB19112-7A	JB19112-8A					
COLLECTION DATE:					10/12/12	10/12/12	10/12/12	10/12/12	10/12/12					
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil					
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA		NA		NA		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		NA		NA		NA	
Redox Potential Vs H2	mv	NC	NC	NC	367		406		432		526		467	
Solids, Percent	%	NC	NC	NC	93.1		86.6		88.4		89.2		95.2	
Sulfate	mg/kg	NC	NC	NC	NA		NA		NA		NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	NA		NA		NA		NA		NA	
Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		NA		NA		NA	
pH	su	NC	NC	NC	7.2		6.23		4.72		3.81		4.91	
pH, SPLP Leachate	su	NC	NC	NC	NA		NA		NA		NA		NA	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

SAMPLE ID:					Former Raritan Arsenal Fill - Soil 9	Former Raritan Arsenal Fill - Soil 10	Former Raritan Arsenal Fill - Soil 11	Former Raritan Arsenal Fill - Soil 12	Former Raritan Arsenal Fill - Soil 13					
LAB ID:					JB19112-9A	JB19112-10A	JB19112-11A	JB19112-12A	JB19112-13A					
COLLECTION DATE:					10/12/12	10/12/12	10/12/12	10/12/12	10/12/12					
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil					
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA		NA		NA		NA		<22	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		NA		NA		NA	
Redox Potential Vs H2	mv	NC	NC	NC	552		464		456		443		480	
Solids, Percent	%	NC	NC	NC	93.9		95		88.1		94.6		89.5	
Sulfate	mg/kg	NC	NC	NC	NA		-		-		-		<110	
Volume, SPLP Leachate	L	NC	NC	NC	NA		NA		NA		NA		NA	
Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		NA		NA		NA	
pH	su	NC	NC	NC	3.68		3.93		4.51		6.13		4.59	
pH, SPLP Leachate	su	NC	NC	NC	NA		NA		NA		NA		NA	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

SAMPLE ID:					Former Raritan Arsenal Fill - Soil 14	Former Raritan Arsenal Fill - Soil 15	Former Raritan Arsenal Fill - Soil 16	Former Raritan Arsenal Fill - Soil 17	Former Raritan Arsenal Fill - Soil 18			
LAB ID:					JB19112-14A	JB19112-15A	JB19112-16A	JB19112-17A	JB19112-18A			
COLLECTION DATE:					10/12/12	10/12/12	10/12/12	10/12/12	10/12/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		NA		NA	
Redox Potential Vs H2	mv	NC	NC	NC	515		484		643		539	
Solids, Percent	%	NC	NC	NC	94.8		95.5		90.4		92.7	
Sulfate	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	NA		NA		NA		NA	
Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		NA		NA	
pH	su	NC	NC	NC	4.11		5.61		3.6		4.83	
pH, SPLP Leachate	su	NC	NC	NC	NA		NA		NA		NA	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

SAMPLE ID:					Former Raritan Arsenal Fill - Soil 19	Liberty Stone I-78 Soil 1	Liberty Stone I-78 Soil 2	Liberty Stone I-78 Soil 3	Liberty Stone I-78 Soil 4			
LAB ID:					JB19112-19A	JB18892-1A	JB18892-2A	JB18892-3A	JB18892-4A			
COLLECTION DATE:					10/12/12	10/10/12	10/10/12	10/10/12	10/10/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA	38.3	NA	NA	NA	NA	NA	NA
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	0.0874	0.0906	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	531	455	427	432	444			
Solids, Percent	%	NC	NC	NC	90.5	87.3	90.3	90.7	91.3			
Sulfate	mg/kg	NC	NC	NC	NA	286	NA	NA	NA	NA	NA	NA
Volume, SPLP Leachate	L	NC	NC	NC	NA	2.002	2.006	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	0.1001	0.1003	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	3.91	8.22	10.03	9.94	9.44			
pH, SPLP Leachate	su	NC	NC	NC	NA	8.39	8.46	NA	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Liberty Stone I-78 Soil 5	Liberty Stone I-78 Soil 6	Liberty Stone I-78 Soil 7	Liberty Stone I-78 Soil 8	Liberty Stone I-78 Soil 9			
SAMPLE ID:												
LAB ID:					JB18892-5A	JB18892-6A	JB18892-7A	JB18892-8A	JB18892-9A			
COLLECTION DATE:					10/10/12	10/10/12	10/10/12	10/10/12	10/10/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		NA		NA	
Redox Potential Vs H2	mv	NC	NC	NC	436		431		433		436	
Solids, Percent	%	NC	NC	NC	90.9		91		90.5		90.3	
Sulfate	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	NA		NA		NA		NA	
Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		NA		NA	
pH	su	NC	NC	NC	9.84		9.98		9.88		9.7	
pH, SPLP Leachate	su	NC	NC	NC	NA		NA		NA		NA	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

SAMPLE ID:					Liberty Stone I-78 Soil 10	Liberty Stone I-78 Soil 11	Liberty Stone I-78 Soil 12	Liberty Stone I-78 Soil 13	Liberty Stone I-78 Soil 14					
LAB ID:					JB18892-10A	JB18892-11A	JB18892-12A	JB18892-13A	JB18892-14A					
COLLECTION DATE:					10/10/12	10/10/12	10/10/12	10/10/12	10/10/12					
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil					
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result			
Chloride	mg/kg	NC	NC	NC	NA		NA		NA		50		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA		0.0901		0.0916		0.093		0.0906	
Redox Potential Vs H2	mv	NC	NC	NC	344		391		403		418		389	
Solids, Percent	%	NC	NC	NC	89.7		89.8		91.3		92.6		90.4	
Sulfate	mg/kg	NC	NC	NC	NA		NA		NA		<110		NA	
Volume, SPLP Leachate	L	NC	NC	NC	NA		2.006		2.008		2.008		2.004	
Weight, SPLP Leachate	kg	NC	NC	NC	NA		0.1003		0.1004		0.1004		0.1002	
pH	su	NC	NC	NC	11.12		10.68		10.02		10.2		8.77	
pH, SPLP Leachate	su	NC	NC	NC	NA		10		7.68		7.2		5.1	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

SAMPLE ID:					Liberty Stone I-78 Soil 15	Liberty Stone I-78 Soil 16	Liberty Stone I-78 Soil 17	Liberty Stone I-78 Soil 18	Liberty Stone I-78 Soil 19			
LAB ID:					JB18892-15A	JB18892-16A	JB18892-17A	JB18892-18A	JB18892-19A			
COLLECTION DATE:					10/10/12	10/10/12	10/10/12	10/10/12	10/10/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		NA		NA	
Redox Potential Vs H2	mv	NC	NC	NC	387		425		415		434	
Solids, Percent	%	NC	NC	NC	93		92		92		87.9	
Sulfate	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	NA		NA		NA		NA	
Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		NA		NA	
pH	su	NC	NC	NC	11.02		9.49		10.21		8.56	
pH, SPLP Leachate	su	NC	NC	NC	NA		NA		NA		NA	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Natures Choice I-78 Soil 1	Natures Choice I-78 Soil 2	Natures Choice I-78 Soil 3	Natures Choice I-78 Soil 4	Natures Choice I-78 Soil 5				
SAMPLE ID:													
LAB ID:					JB19432-1A	JB19432-2A	JB19432-3A	JB19432-4A	JB19432-5A				
COLLECTION DATE:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12				
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil				
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result				
Chloride	mg/kg	NC	NC	NC	99.6		NA		NA		NA		
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0949		0.092		0.09		0.0894		0.0893
Redox Potential Vs H2	mv	NC	NC	NC	338		385		374		390		395
Solids, Percent	%	NC	NC	NC	94.5		91.6		89.6		89.1		89.2
Sulfate	mg/kg	NC	NC	NC	<110		NA		NA		NA		NA
Volume, SPLP Leachate	L	NC	NC	NC	2.008		2.01		2.01		2.006		2.002
Weight, SPLP Leachate	kg	NC	NC	NC	0.1004		0.1005		0.1005		0.1003		0.1001
pH	su	NC	NC	NC	9.01		7.59		8.35		7.65		7.56
pH, SPLP Leachate	su	NC	NC	NC	9.14		8.04		8.7		7.9		8.44

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Natures Choice I-78 Soil 6	Natures Choice I-78 Soil 7	Natures Choice I-78 Soil 8	Natures Choice I-78 Soil 9	Natures Choice I-78 Soil 10			
SAMPLE ID:												
LAB ID:					JB19432-6A	JB19432-7A	JB19432-8A	JB19432-9A	JB19432-10A			
COLLECTION DATE:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0933		0.0928		0.0906		0.0913	
Redox Potential Vs H2	mv	NC	NC	NC	397		343		253		363	
Solids, Percent	%	NC	NC	NC	93.2		92.8		90.6		91	
Sulfate	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	2.002		2		2		2.006	
Weight, SPLP Leachate	kg	NC	NC	NC	0.1001		0.1		0.1		0.1003	
pH	su	NC	NC	NC	8.73		9.15		10.98		8.51	
pH, SPLP Leachate	su	NC	NC	NC	8.29		9.19		10.11		8.49	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Natures Choice I-78 Soil 11	Natures Choice I-78 Soil 12	Natures Choice I-78 Soil 13	Natures Choice I-78 Soil 14	Natures Choice I-78 Soil 15					
SAMPLE ID:														
LAB ID:					JB19432-11A	JB19432-12A	JB19432-13A	JB19432-14A	JB19432-15A					
COLLECTION DATE:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12					
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil					
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result			
Chloride	mg/kg	NC	NC	NC	NA		NA		82.4		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0909		0.0923		0.0928		0.0928		0.091	
Redox Potential Vs H2	mv	NC	NC	NC	350		369		356		390		408	
Solids, Percent	%	NC	NC	NC	90.9		91.9		92.8		92.5		90.9	
Sulfate	mg/kg	NC	NC	NC	NA		NA		<110		NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	2		2.008		2		2.006		2.002	
Weight, SPLP Leachate	kg	NC	NC	NC	0.1		0.1004		0.1		0.1003		0.1001	
pH	su	NC	NC	NC	8.99		8.15		9.26		8.51		7.56	
pH, SPLP Leachate	su	NC	NC	NC	8.85		8.85		8.28		7.78		7.46	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Natures Choice I-78 Soil 16	Natures Choice I-78 Soil 17	Natures Choice I-78 Soil 18	Natures Choice I-78 Soil 19	Natures Choice I-78 Soil 20			
SAMPLE ID:												
LAB ID:					JB19432-16A	JB19432-17A	JB19432-18A	JB19432-19A	JB19432-20A			
COLLECTION DATE:					10/16/12	10/16/12	10/16/12	10/16/12	10/16/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0932		0.0903		0.0896		0.0896	
Redox Potential Vs H2	mv	NC	NC	NC	419		433		417		425	
Solids, Percent	%	NC	NC	NC	93.2		89.9		89.6		89.4	
Sulfate	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	2		2.008		2		2.004	
Weight, SPLP Leachate	kg	NC	NC	NC	0.1		0.1004		0.1		0.1002	
pH	su	NC	NC	NC	8.76		7.24		8.88		7.72	
pH, SPLP Leachate	su	NC	NC	NC	8.31		7.29		8.22		7.72	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Natures Choice I-78 Soil 21	Natures Choice I-78 Soil 22	Turnpike Basin 8C IS-14	Turnpike Basin 8C IS-15	Turnpike Basin 8C IS-16			
SAMPLE ID:												
LAB ID:					JB19432-21A	JB19432-22A	JB20852-2	JB20852-3	JB20852-4			
COLLECTION DATE:					10/16/12	10/16/12	11/9/12	11/9/12	11/9/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0916		0.0903		0.0919		0.0907	
Redox Potential Vs H2	mv	NC	NC	NC	427		392		420		416	
Solids, Percent	%	NC	NC	NC	91.3		90.3		91.8		90.6	
Sulfate	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	2.006		2		2		2.002	
Weight, SPLP Leachate	kg	NC	NC	NC	0.1003		0.1		0.1		0.1001	
pH	su	NC	NC	NC	7.43		6.94		5.36		5.81	
pH, SPLP Leachate	su	NC	NC	NC	7.54		7.58		5.92		5.7	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

SAMPLE ID:					Turnpike Basin 8C IS-17	Turnpike Basin 8C IS-18	Turnpike Basin 8C IS-19	Turnpike Basin 8C IS-20	Turnpike Basin 8C IS-21			
LAB ID:					JB20852-5	JB20852-6	JB20852-7	JB20852-8	JB20852-9			
COLLECTION DATE:					11/9/12	11/9/12	11/9/12	11/9/12	11/9/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0903		0.0891		0.0913		0.0905	
Redox Potential Vs H2	mv	NC	NC	NC	405		424		420		424	
Solids, Percent	%	NC	NC	NC	90.1		89.1		91.3		90.2	
Sulfate	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	2.004		2		2		2.006	
Weight, SPLP Leachate	kg	NC	NC	NC	0.1002		0.1		0.1		0.1003	
pH	su	NC	NC	NC	7.17		6.06		6.01		6.15	
pH, SPLP Leachate	su	NC	NC	NC	7		6.8		6.77		7.62	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

SAMPLE ID:					Turnpike Basin 8C IS-22	Turnpike Basin 8C IS-23	Turnpike Basin 8C IS-24	Turnpike Basin 8C IS-25	Turnpike Basin 8C IS-26			
LAB ID:					JB20852-10	JB20852-11	JB20852-12	JB20852-13	JB20852-14			
COLLECTION DATE:					11/9/12	11/9/12	11/9/12	11/9/12	11/9/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	34.4		NA		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0883		0.0914		0.0912		0.0923	
Redox Potential Vs H2	mv	NC	NC	NC	377		450		452		452	
Solids, Percent	%	NC	NC	NC	90		91.4		91		92	
Sulfate	mg/kg	NC	NC	NC	<110				NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	2.004		2		2.004		2.006	
Weight, SPLP Leachate	kg	NC	NC	NC	0.1002		0.1002		0.1002		0.1003	
pH	su	NC	NC	NC	4.96		5.81		5.58		4.96	
pH, SPLP Leachate	su	NC	NC	NC	6.95		7.36		6.95		6.37	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

SAMPLE ID:					Turnpike Basin 8C IS-27	Turnpike Basin 8C IS-28	Turnpike Basin 8C IS-29	Turnpike Basin 8C IS-30	Turnpike Basin 8C IS-31			
LAB ID:					JB20852-15	JB20852-16	JB20852-17	JB20852-18	JB20852-19			
COLLECTION DATE:					11/9/12	11/9/12	11/9/12	11/9/12	11/9/12			
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil			
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0888		0.093		0.0932		0.0946	
Redox Potential Vs H2	mv	NC	NC	NC	454		455		463		456	
Solids, Percent	%	NC	NC	NC	88.5		92.5		93.2		94.6	
Sulfate	mg/kg	NC	NC	NC	NA		NA		NA		NA	
Volume, SPLP Leachate	L	NC	NC	NC	2.006		2.006		2.006		2	
Weight, SPLP Leachate	kg	NC	NC	NC	0.1003		0.1005		0.1		0.1	
pH	su	NC	NC	NC	4.82		4.89		4.78		5.01	
pH, SPLP Leachate	su	NC	NC	NC	6.93		8.28		6.68		6.86	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Turnpike Basin 8C IS-32	Turnpike Basin 8C IS-33	Turnpike Basin 8C IS-22	Bayonne FD-1	Bayonne FD-2
SAMPLE ID:									
LAB ID:					JB20852-20	JB20852-21	JB20852-10	JB33052-1A	JB33052-2A
COLLECTION DATE:					11/9/12	11/9/12	11/9/12	4/2/13	4/2/13
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	NA	NA	34.4	<20	<21
Dry Weight, SPLP Leachate	kg	NC	NC	NC	0.0881	0.0883	0.0883	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	433	434	377	255	316
Solids, Percent	%	NC	NC	NC	87.7	88.2	90	99.4	95.2
Sulfate	mg/kg	NC	NC	NC	NA	NA	<110	<100	<110
Volume, SPLP Leachate	L	NC	NC	NC	2.01	2.002	2.004	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	0.1005	0.1001	0.1002	NA	NA
pH	su	NC	NC	NC	5.05	5.19	4.96	9.27	9.24
pH, SPLP Leachate	su	NC	NC	NC	6.69	6.09	6.95	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayonne FD-3	Bayonne FD-4	Bayonne FD-5	Bayonne FD-6	Bayonne FD-7					
SAMPLE ID:														
LAB ID:					JB33052-3A	JB33052-4A	JB33052-5A	JB33052-6A	JB33052-7A					
COLLECTION DATE:					4/2/13	4/2/13	4/2/13	4/2/13	4/2/13					
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil					
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result		Result	
Chloride	mg/kg	NC	NC	NC	<21		<21		<21		<21		<21	
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		NA		NA		NA	
Redox Potential Vs H2	mv	NC	NC	NC	314		326		330		340		335	
Solids, Percent	%	NC	NC	NC	95.7		95.4		94.3		94.7		95.5	
Sulfate	mg/kg	NC	NC	NC	<100		<100		<110		<110		<100	
Volume, SPLP Leachate	L	NC	NC	NC	NA		NA		NA		NA		NA	
Weight, SPLP Leachate	kg	NC	NC	NC	NA		NA		NA		NA		NA	
pH	su	NC	NC	NC	9.28		9.19		9.07		9.18		9.23	
pH, SPLP Leachate	su	NC	NC	NC	NA		NA		NA		NA		NA	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayonne FD-8	Bayonne FD-9	Bayonne FD-10	Bayonne FD-11	Bayonne FD-12
SAMPLE ID:									
LAB ID:					JB33052-8A	JB33052-9A	JB33052-10A	JB33052-11A	JB33052-12A
COLLECTION DATE:					4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	<21	<21	<21	<21	<21
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	346	340	242	245	256
Solids, Percent	%	NC	NC	NC	95.2	94.9	96.4	95	95
Sulfate	mg/kg	NC	NC	NC	<110	<110	<100	<110	<100
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	9.09	9.26	9.22	9.22	9.2
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayonne FD-13	Bayonne FD-14	Bayonne FD-15	Bayonne FD-16	Bayonne FD-17
SAMPLE ID:									
LAB ID:					JB33052-13A	JB33052-14A	JB33052-15A	JB33052-16A	JB33052-17A
COLLECTION DATE:					4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	<21	<21	<21	<21	<21
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	268	277	281	287	298
Solids, Percent	%	NC	NC	NC	95	93.4	95	95	93.6
Sulfate	mg/kg	NC	NC	NC	<110	<110	<100	<110	<110
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	9.23	9.07	9.18	9.27	9.12
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayonne FD-18	Bayonne FD-19	Bayonne FD-20	Bayonne FD-21	Bayonne FD-22
SAMPLE ID:									
LAB ID:					JB33052-18A	JB33052-19A	JB33052-20A	JB33052-21A	JB33052-22A
COLLECTION DATE:					4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:					Soil	Soil	Soil	Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Chloride	mg/kg	NC	NC	NC	<21	<21	<21	<21	<21
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	293	306	300	315	315
Solids, Percent	%	NC	NC	NC	95.2	95.1	94.7	93.8	94.9
Sulfate	mg/kg	NC	NC	NC	<100	<110	<110	<110	<110
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA	NA	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA	NA	NA	NA
pH	su	NC	NC	NC	9.23	9	9.09	9.08	9.07
pH, SPLP Leachate	su	NC	NC	NC	NA	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

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Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR GENERAL CHEMISTRY

					Bayonne FD-DUP1	Bayonne FD-DUP2
SAMPLE ID:						
LAB ID:					JB33052-23A	JB33052-24A
COLLECTION DATE:					4/2/13	4/2/13
SAMPLE MATRIX:					Soil	Soil
	Unit	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result
Chloride	mg/kg	NC	NC	NC	<21	<21
Dry Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA
Redox Potential Vs H2	mv	NC	NC	NC	309	310
Solids, Percent	%	NC	NC	NC	95.2	94.9
Sulfate	mg/kg	NC	NC	NC	<100	<100
Volume, SPLP Leachate	L	NC	NC	NC	NA	NA
Weight, SPLP Leachate	kg	NC	NC	NC	NA	NA
pH	su	NC	NC	NC	9.25	9.24
pH, SPLP Leachate	su	NC	NC	NC	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Weldon Fanwood Screening	Weldon Fanwood Select Fill	Allocco	Tilcon New York, Inc	Amboy Aggregates Sand
SAMPLE ID:				JB-15010-1A	JB15010-2A	1012806-01	07616-001	E11-12558-001
LAB ID:				JB-15010-1A	JB15010-2A	1012806-01	07616-001	E11-12558-001
COLLECTION DATE:				8/29/12	8/29/12	1/24/11	8/3/12	12/16/11
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	15,800	38,200	NA	3,800	1,560
Antimony	NC	NC	NC	<2.2	<2.4	NA	<1.03	< 1.24
Arsenic	16	NC	13	<2.2	<2.4	0.00317	0.513	2.04
Barium	400	NC	350	28	75	0.0526	20.4	3.51
Beryllium	47	NC	7.2	<0.22	<0.24	<0.00165	0.522	< 0.309
Cadmium	7.5	NC	2.5	<0.55	<0.59	<0.001	<0.515	< 0.309
Calcium	NC	10,000	NC	11,900	6,350	NA	3,750	2,090
Chromium (Hexavalent)	19	NC	1	<0.43	1.1	NA	< 1.03	< 1.0
Chromium (Total)	NC	NC	NC	13.5	88.3	0.0135	2.88	4.83
Cobalt	NC	NC	NC	12.9	27	NA	3.52	1.43
Copper	270	NC	50	80.2	82.3	NA	5.86	0.879
Cyanide (Total)	27	NC	27	<0.26	<0.28	0.0293	< 1.03	< 1.0
Iron	NC	NC	NC	21,600	41,200	NA	13,800	4,970
Lead	450	NC	63	2.9	7.1	0.0623	0.836	1.47
Magnesium	NC	NC	NC	9,550	8,720	NA	1,770	841
Manganese	2,000	NC	1,600	250	804	0.194	151	44.6
Mercury (Total)	0.73	NC	0.18	<0.035	<0.040	<0.0002	< 0.013	1.73
Nickel	130	NC	30	34.7	48.7	0.0107	2.54	<1.24
Potassium	NC	NC	NC	<1,100	<1,200	NA	941	658
Selenium	4	NC	3.9	<2.2	<2.4	<0.00165	< 2.06	< 2.48
Silver	8.3	NC	2	0.59	<0.59	<0.00136	< 0.515	< 0.619
Sodium	NC	NC	NC	2,600	<1,200	NA	166	314
Thallium	NC	NC	NC	<1.1	<1.2	NA	< 0.515	< 0.309
Vanadium	NC	10,000	NC	41.5	125	NA	7.7	6.79
Zinc	2,480	NC	109	27.9	53.9	0.0834	20.5	46.4

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Amboy Aggregates Sand 1	Amboy Aggregates Sand 2	Bayshore Screening Pile - Soil 1	Bayshore Screening Pile - Soil 2	Bayshore Screening Pile - Soil 3	
SAMPLE ID:									
LAB ID:				JB19430-1A	JB19430-2A	JB19431-1A	JB19431-2A	JB19431-3A	
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12	
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil	
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result	
Aluminum	NC	10,000	NC	1,390	1,730	14,800	17,400	16,300	
Antimony	NC	NC	NC	<2.0	<2.1	<2.1	<2.5	<2.3	
Arsenic	16	NC	13	2.4	2.4	4.2	5.9	5.1	
Barium	400	NC	350	<20	<21	63.7	70	81.5	
Beryllium	47	NC	7.2	<0.20	<0.21	0.76	0.92	0.92	
Cadmium	7.5	NC	2.5	<0.50	<0.51	<0.53	<0.62	<0.57	
Calcium	NC	10,000	NC	3,040	2,020	736	906	1,010	
Chromium (Hexavalent)	19	NC	1	<0.42	<0.42	<0.42	0.78	<0.47	
Chromium (Total)	NC	NC	NC	5.5	7	20.1	23.8	24.3	
Cobalt	NC	NC	NC	<5.0	<5.1	9.3	11.6	11.8	
Copper	270	NC	50	<2.5	<2.6	20.3	46.5	22.1	
Cyanide (Total)	27	NC	27	<0.24	<0.23	<0.24	<0.27	<0.26	
Iron	NC	NC	NC	4,860	7,360	25,300	26,300	31,200	
Lead	450	NC	63	2	3.1	12.2	11.7	11.3	
Magnesium	NC	NC	NC	824	1,040	1,740	1,520	1,510	
Manganese	2,000	NC	1,600	56.3	48.6	369	410	437	
Mercury (Total)	0.73	NC	0.18	<0.033	<0.031	<0.033	0.041	<0.039	
Nickel	130	NC	30	<4.0	5.6	10	12.1	11.3	
Potassium	NC	NC	NC	<1,100	<1,000	<1,000	<1,200	<1,100	
Selenium	4	NC	3.9	<2.0	<2.1	<2.1	<2.5	<2.3	
Silver	8.3	NC	2	<0.50	<0.51	0.86	1.1	0.98	
Sodium	NC	NC	NC	<1,100	<1,000	<1,000	<1,200	<1,100	
Thallium	NC	NC	NC	<1.0	<1.0	<1.1	<1.2	<1.1	
Vanadium	NC	10,000	NC	7.5	8.5	31.8	38.4	36.6	
Zinc	2,480	NC	109	9.5	12.5	25.1	29.7	27	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayshore Screening Pile - Soil 4	Bayshore Screening Pile - Soil 5	Bayshore Screening Pile - Soil 6	Bayshore Screening Pile - Soil 7	Bayshore Screening Pile - Soil 8
SAMPLE ID:				JB19431-4A	JB19431-5A	JB19431-6A	JB19431-7A	JB19431-8A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
UNITS:								
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	17,500	15,400	12,700	15,900	16,700
Antimony	NC	NC	NC	<2.3	<2.6	<2.4	<2.2	<2.4
Arsenic	16	NC	13	5.8	5.2	4.9	4.5	4.9
Barium	400	NC	350	82.2	76.4	81.9	69.5	71.4
Beryllium	47	NC	7.2	1.1	0.86	0.92	0.84	0.88
Cadmium	7.5	NC	2.5	<0.58	<0.64	<0.60	<0.56	<0.60
Calcium	NC	10,000	NC	1,290	6,680	3,720	1,300	2,070
Chromium (Hexavalent)	19	NC	1	<0.48	0.72	0.62	<0.47	<0.48
Chromium (Total)	NC	NC	NC	25.9	24.9	23.2	24.6	23
Cobalt	NC	NC	NC	12.6	10.4	21.9	9.8	12
Copper	270	NC	50	26.4	26.3	27.1	22.7	23.6
Cyanide (Total)	27	NC	27	<0.28	<0.30	<0.28	<0.27	<0.30
Iron	NC	NC	NC	26,400	24,300	20,700	21,500	24,300
Lead	450	NC	63	12.6	16.3	12.4	10.1	10
Magnesium	NC	NC	NC	2,180	5,380	3,010	1,740	1,500
Manganese	2,000	NC	1,600	469	440	723	389	466
Mercury (Total)	0.73	NC	0.18	<0.036	<0.038	<0.036	<0.038	<0.039
Nickel	130	NC	30	13.4	14.1	14.3	11.4	10.8
Potassium	NC	NC	NC	<1,300	<1,200	<1,100	<1,200	<1,100
Selenium	4	NC	3.9	<2.3	<2.6	<2.4	<2.2	<2.4
Silver	8.3	NC	2	1	0.97	1.2	0.97	1.1
Sodium	NC	NC	NC	<1,300	<1,200	<1,100	<1,200	<1,100
Thallium	NC	NC	NC	<1.2	<1.3	<1.2	<1.1	<1.2
Vanadium	NC	10,000	NC	40.6	36.1	36.6	33.7	35
Zinc	2,480	NC	109	29.7	34.6	29.6	24.8	24.4

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayshore Screening Pile - Soil 9	Bayshore Screening Pile - Soil 10	Bayshore Screening Pile - Soil 11	Bayshore Screening Pile - Soil 12	Bayshore Screening Pile - Soil 13
SAMPLE ID:				JB19431-9A	JB19431-10A	JB19431-11A	JB19431-12A	JB19431-13A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
UNITS:								
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	15,500	19,800	13,600	23,200	24,500
Antimony	NC	NC	NC	<2.3	<2.2	<2.2	<2.3	<2.1
Arsenic	16	NC	13	4.2	5.5	5.1	6.4	7.3
Barium	400	NC	350	49.3	68.9	62.5	74.8	72
Beryllium	47	NC	7.2	0.49	0.83	0.71	1.1	0.94
Cadmium	7.5	NC	2.5	<0.57	<0.54	<0.56	<0.58	<0.53
Calcium	NC	10,000	NC	5,140	4,700	1,880	4,280	4,440
Chromium (Hexavalent)	19	NC	1	1.1	0.59	0.69	0.8	0.68
Chromium (Total)	NC	NC	NC	30.9	37.4	25.7	45.3	38.1
Cobalt	NC	NC	NC	7.1	9.4	<5.6	13.1	9.6
Copper	270	NC	50	29.4	107	14.4	49.5	48.9
Cyanide (Total)	27	NC	27	<0.25	<0.27	<0.26	<0.27	<0.25
Iron	NC	NC	NC	22,800	24,900	16,700	24,000	26,800
Lead	450	NC	63	25.1	30.2	10.2	42.1	37.1
Magnesium	NC	NC	NC	5,450	7,140	3,890	6,410	7,420
Manganese	2,000	NC	1,600	346	471	202	670	443
Mercury (Total)	0.73	NC	0.18	0.054	0.042	<0.035	0.035	0.04
Nickel	130	NC	30	17.7	25.7	16.2	24.5	23.8
Potassium	NC	NC	NC	1,260	1,910	1,380	2,440	2,710
Selenium	4	NC	3.9	<2.3	<2.2	<2.2	<2.3	<2.1
Silver	8.3	NC	2	0.93	1.1	<0.56	0.88	0.93
Sodium	NC	NC	NC	<1,100	<1,100	<1,100	<1,200	<1,200
Thallium	NC	NC	NC	<1.1	<1.1	<1.1	<1.2	<1.1
Vanadium	NC	10,000	NC	38.8	49.7	37.3	59	53.7
Zinc	2,480	NC	109	46.6	62.8	36.5	79.4	88.2

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayshore Screening Pile - Soil 14	Bayshore Screening Pile - Soil 15	Former Raritan Arsenal Fill - Soil 1	Former Raritan Arsenal Fill - Soil 2	Former Raritan Arsenal Fill - Soil 3
SAMPLE ID:				JB19431-14A	JB19431-15A	JB19112-1A	JB19112-2A	JB19112-3A
LAB ID:				10/16/12	10/16/12	10/12/12	10/12/12	10/12/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/Kg	mg/Kg	mg/kg	mg/kg	mg/kg
UNITS:								
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	23,000	12,100	4,640	7,190	7,380
Antimony	NC	NC	NC	<2.3	<2.2	<2.2	<2.3	<2.4
Arsenic	16	NC	13	5.3	5.7	<2.2	<2.3	<2.4
Barium	400	NC	350	74	48.4	22.9	<23	<24
Beryllium	47	NC	7.2	0.82	0.46	0.33	0.38	0.51
Cadmium	7.5	NC	2.5	<0.59	<0.56	<0.54	<0.57	<0.60
Calcium	NC	10,000	NC	4,880	7,630	3,860	3,520	<600
Chromium (Hexavalent)	19	NC	1	1.1	1.2	0.59	0.92	0.98
Chromium (Total)	NC	NC	NC	38.5	31.4	87.6	43.8	13.4
Cobalt	NC	NC	NC	9.4	8.8	<5.4	<5.7	<6.0
Copper	270	NC	50	36.1	73.8	15.2	11	5.3
Cyanide (Total)	27	NC	27	<0.25	<0.25	<0.25	<0.25	<0.26
Iron	NC	NC	NC	26,500	21,100	6,560	4,320	1,090
Lead	450	NC	63	36.1	34.1	6.7	6.3	4.3
Magnesium	NC	NC	NC	7,760	6,510	1,150	909	<600
Manganese	2,000	NC	1,600	475	372	663	467	24.9
Mercury (Total)	0.73	NC	0.18	0.065	0.054	<0.036	0.048	<0.035
Nickel	130	NC	30	22.6	26.1	7.3	6.5	<4.8
Potassium	NC	NC	NC	2,170	1,070	<1,100	<1,100	<1,200
Selenium	4	NC	3.9	<2.3	<2.2	<2.2	<2.3	<2.4
Silver	8.3	NC	2	0.97	1.1	<0.54	<0.57	<0.60
Sodium	NC	NC	NC	<1,100	<1,000	<1,100	<1,100	<1,200
Thallium	NC	NC	NC	<1.2	<1.1	<1.1	<1.1	<1.2
Vanadium	NC	10,000	NC	48.4	39.8	26.8	22.9	21.8
Zinc	2,480	NC	109	72	54.9	14.1	14.7	3.8

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Former Raritan Arsenal Fill - Soil 4	Former Raritan Arsenal Fill - Soil 5	Former Raritan Arsenal Fill - Soil 6	Former Raritan Arsenal Fill - Soil 7	Former Raritan Arsenal Fill - Soil 8
SAMPLE ID:				JB19112-4A	JB19112-5A	JB19112-6A	JB19112-7A	JB19112-8A
LAB ID:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
UNITS:								
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	7,000	10,100	5,510	4,430	4,730
Antimony	NC	NC	NC	<2.0	<2.2	<2.2	<2.1	<2.1
Arsenic	16	NC	13	<2.0	<2.2	<2.2	<2.1	<2.1
Barium	400	NC	350	29.1	<22	<22	<21	<21
Beryllium	47	NC	7.2	0.31	0.49	0.25	0.22	0.31
Cadmium	7.5	NC	2.5	<0.51	<0.54	<0.55	<0.52	<0.53
Calcium	NC	10,000	NC	7,170	<540	<550	<520	2,420
Chromium (Hexavalent)	19	NC	1	<0.43	<0.46	0.53	0.96	0.97
Chromium (Total)	NC	NC	NC	181	15.7	9	8.4	29.6
Cobalt	NC	NC	NC	<5.1	<5.4	<5.5	<5.2	<5.3
Copper	270	NC	50	15.1	7.4	3.6	4.6	7.4
Cyanide (Total)	27	NC	27	<0.26	<0.26	<0.26	<0.24	<0.23
Iron	NC	NC	NC	16,200	1,340 ^a	1,370 ^a	1,860	3,940
Lead	450	NC	63	4.4	8.3	3.3	2.1	3.7
Magnesium	NC	NC	NC	2,770	<540	<550	<520	885
Manganese	2,000	NC	1,600	1490	26.7	14.4	12.5	331
Mercury (Total)	0.73	NC	0.18	<0.035	<0.040	0.037	<0.033	<0.035
Nickel	130	NC	30	6.8	<4.3	<4.4	<4.2	5.1
Potassium	NC	NC	NC	<1,000	<1,100	<1,100	<1,000	<1,100
Selenium	4	NC	3.9	<2.0	<2.2	<2.2	<2.1	<2.1
Silver	8.3	NC	2	<0.51	<0.54	<0.55	<0.52	<0.53
Sodium	NC	NC	NC	<1,000	<1,100	<1,100	<1,000	<1,100
Thallium	NC	NC	NC	<2.0 ^b	<1.1	<1.1	<1.0	<1.1
Vanadium	NC	10,000	NC	26	21.9	11.7	11	15
Zinc	2,480	NC	109	23.5	3.4	<2.2	2.1	9.4

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Former Raritan Arsenal Fill - Soil 9	Former Raritan Arsenal Fill - Soil 10	Former Raritan Arsenal Fill - Soil 11	Former Raritan Arsenal Fill - Soil 12	Former Raritan Arsenal Fill - Soil 13
SAMPLE ID:				JB19112-9A	JB19112-10A	JB19112-11A	JB19112-12A	JB19112-13A
LAB ID:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
UNITS:								
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	2,810	3,090	2,760	1,850	3,810
Antimony	NC	NC	NC	<2.2	<2.0	<2.4	<2.0	<2.2
Arsenic	16	NC	13	<2.2	<2.0	<2.4	<2.0	<2.2
Barium	400	NC	350	<22	<20	<24	<20	<22
Beryllium	47	NC	7.2	0.24	<0.20	<0.24	<0.20	<0.22
Cadmium	7.5	NC	2.5	<0.54	<0.50	<0.59	<0.50	<0.55
Calcium	NC	10,000	NC	<540	<500	<590	<500	<550
Chromium (Hexavalent)	19	NC	1	0.73	0.62	<0.45	1.5	0.62
Chromium (Total)	NC	NC	NC	5.9	6.5	4.7	16.5	7.3
Cobalt	NC	NC	NC	<5.4	<5.0	<5.9	<5.0	<5.5
Copper	270	NC	50	3.2	2.7	<3.0	3.5	<2.7
Cyanide (Total)	27	NC	27	<0.26	<0.23	<0.25	<0.25	<0.26
Iron	NC	NC	NC	2,140	2,200	866	4,900	2,000
Lead	450	NC	63	<2.2	2	<2.4	2.7	8.3
Magnesium	NC	NC	NC	<540	<500	<590	<500	<550
Manganese	2,000	NC	1,600	7.4	13.9	2	21	3.1
Mercury (Total)	0.73	NC	0.18	<0.032	<0.033	<0.037	<0.030	<0.034
Nickel	130	NC	30	<4.3	<4.0	<4.7	<4.0	<4.4
Potassium	NC	NC	NC	<1,100	<1,000	<1,200	<1,000	<1,100
Selenium	4	NC	3.9	<2.2	<2.0	<2.4	<2.0	<2.2
Silver	8.3	NC	2	<0.54	<0.50	<0.59	<0.50	<0.55
Sodium	NC	NC	NC	<1,100	<1,000	<1,200	<1,000	<1,100
Thallium	NC	NC	NC	<1.1	<1.0	<1.2	<1.0	<1.1
Vanadium	NC	10,000	NC	7.8	9.1	<5.9	26.1	9
Zinc	2,480	NC	109	5	<2.0	<2.4	4.1	<2.2

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Former Raritan Arsenal Fill - Soil 14	Former Raritan Arsenal Fill - Soil 15	Former Raritan Arsenal Fill - Soil 16	Former Raritan Arsenal Fill - Soil 17	Former Raritan Arsenal Fill - Soil 18
SAMPLE ID:				JB19112-14A	JB19112-15A	JB19112-16A	JB19112-17A	JB19112-18A
LAB ID:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
UNITS:								
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	830	2,080	6,410	2,180	4,040
Antimony	NC	NC	NC	<2.1	<2.1	<2.3	<2.1	<2.1
Arsenic	16	NC	13	<2.1	<2.1	<2.3	<2.1	<2.1
Barium	400	NC	350	<21	<21	<23	<21	25.2
Beryllium	47	NC	7.2	<0.21	0.24	0.46	<0.21	0.33
Cadmium	7.5	NC	2.5	<0.53	<0.53	<0.58	<0.52	<0.54
Calcium	NC	10,000	NC	<530	<530	691	<520	<540
Chromium (Hexavalent)	19	NC	1	0.68	0.66	<0.44	<0.43	<0.46
Chromium (Total)	NC	NC	NC	5.4	13.7	19.7	4.2	9.4
Cobalt	NC	NC	NC	<5.3	<5.3	<5.8	<5.2	<5.4
Copper	270	NC	50	<2.6	10.4	10.4	<2.6	<2.7
Cyanide (Total)	27	NC	27	<0.24	<0.25	<0.25	<0.25	<0.27
Iron	NC	NC	NC	3,070	9,700	1,950	2,210	806 ^a
Lead	450	NC	63	<2.1	2.1	5	<2.1	4.2
Magnesium	NC	NC	NC	<530	<530	<580	<520	<540
Manganese	2,000	NC	1,600	4.5	47.5	115	3.5	8.3
Mercury (Total)	0.73	NC	0.18	<0.033	<0.032	<0.032	<0.031	<0.034
Nickel	130	NC	30	<4.2	4.3	7.9	<4.1	<4.3
Potassium	NC	NC	NC	<1,100	<1,100	<1,200	<1,000	<1,100
Selenium	4	NC	3.9	<2.1	<2.1	<2.3	<2.1	<2.1
Silver	8.3	NC	2	<0.53	<0.53	<0.58	<0.52	<0.54
Sodium	NC	NC	NC	<1,100	<1,100	<1,200	<1,000	<1,100
Thallium	NC	NC	NC	<1.1	<1.1	<1.2	<1.0	<1.1
Vanadium	NC	10,000	NC	10.2	15.3	24.3	8	18.7
Zinc	2,480	NC	109	<2.1	6	8.6	<2.1	<2.1

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Former Raritan Arsenal Fill - Soil 19	Liberty Stone I-78 Soil 1	Liberty Stone I-78 Soil 2	Liberty Stone I-78 Soil 3	Liberty Stone I-78 Soil 4
SAMPLE ID:				JB19112-19A	JB18892-1A	JB18892-2A	JB18892-3A	JB18892-4A
LAB ID:				10/12/12	10/10/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
UNITS:								
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	3,040	12,700	8,820	5,720	6,150
Antimony	NC	NC	NC	<2.1	<2.2	<2.3	<2.2	<2.1
Arsenic	16	NC	13	<2.1	4	3.6	2.6	2.9
Barium	400	NC	350	<21	110	51.9	36	37
Beryllium	47	NC	7.2	0.3	0.69	0.63	0.45	0.42
Cadmium	7.5	NC	2.5	<0.52	0.64	<0.57	<0.55	<0.53
Calcium	NC	10,000	NC	<520	11,800	21,000	35,300	44,800
Chromium (Hexavalent)	19	NC	1	0.46	<0.46	<0.44	<0.44	<0.44
Chromium (Total)	NC	NC	NC	9.3	29.4	14.2	12	10.2
Cobalt	NC	NC	NC	<5.2	11.5	<5.7	<5.5	<5.3
Copper	270	NC	50	6.1	33.4	14.2	22.2	20.7
Cyanide (Total)	27	NC	27	<0.25	<0.27	<0.24	0.39	0.72
Iron	NC	NC	NC	8,440	18,800	15,600	13,400	13,000
Lead	450	NC	63	2.2	65.4	13.8	15.5	14.1
Magnesium	NC	NC	NC	<520	6,550	11,600	15,500	27,200
Manganese	2,000	NC	1,600	7.8	476	317	308	375
Mercury (Total)	0.73	NC	0.18	<0.036	0.096	<0.036	0.05	<0.035
Nickel	130	NC	30	<4.2	23.3	12.2	10.6	10.1
Potassium	NC	NC	NC	<1,000	1,990	1,890	1,190	1,290
Selenium	4	NC	3.9	<2.1	<2.2	<2.3	<2.2	<2.1
Silver	8.3	NC	2	<0.52	<0.56	<0.57	<0.55	<0.53
Sodium	NC	NC	NC	<1,000	<1,100	<1,100	<1,100	<1,100
Thallium	NC	NC	NC	<1.0	<1.1	<1.1	<1.1	<1.1
Vanadium	NC	10,000	NC	16.2	29.7	20.7	14.4	14.8
Zinc	2,480	NC	109	<2.1	112	37.2	39.3	42.9

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Liberty Stone I-78 Soil 5	Liberty Stone I-78 Soil 6	Liberty Stone I-78 Soil 7	Liberty Stone I-78 Soil 8	Liberty Stone I-78 Soil 9
SAMPLE ID:				JB18892-5A	JB18892-6A	JB18892-7A	JB18892-8A	JB18892-9A
LAB ID:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
UNITS:								
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	5,490	5,110	5,610	6,620	5,620
Antimony	NC	NC	NC	<2.3	<2.3	<2.1	<2.3	<2.3
Arsenic	16	NC	13	3.7	3	3	3.4	3.4
Barium	400	NC	350	34.2	33.8	33.8	36.1	38.1
Beryllium	47	NC	7.2	0.47	0.42	0.42	0.43	0.45
Cadmium	7.5	NC	2.5	<0.57	<0.58	<0.53	<0.57	<0.57
Calcium	NC	10,000	NC	43,100	18,200	34,000	27,400	17,100
Chromium (Hexavalent)	19	NC	1	<0.44	<0.44	<0.44	<0.44	<0.44
Chromium (Total)	NC	NC	NC	10.9	11	10.8	11.9	10.3
Cobalt	NC	NC	NC	<5.7	<5.8	<5.3	<5.7	<5.7
Copper	270	NC	50	19	17.5	27.9	28	20.1
Cyanide (Total)	27	NC	27	1	<0.50	<0.50	<0.49	0.6
Iron	NC	NC	NC	12,000	11,700	11,700	13,300	12,300
Lead	450	NC	63	18.3	18	19.9	24.1	39.5
Magnesium	NC	NC	NC	26,000	9,260	19,300	15,100	9,580
Manganese	2,000	NC	1,600	260	316	250	262	230
Mercury (Total)	0.73	NC	0.18	0.038	0.063	0.039	<0.036	<0.034
Nickel	130	NC	30	9.6	9.3	9.3	11.7	8.9
Potassium	NC	NC	NC	1,270	<1,200	1,240	1,200	1,210
Selenium	4	NC	3.9	<2.3	<2.3	<2.1	<2.3	<2.3
Silver	8.3	NC	2	<0.57	<0.58	<0.53	<0.57	<0.57
Sodium	NC	NC	NC	<1,100	<1,200	<1,100	<1,100	<1,100
Thallium	NC	NC	NC	<1.1	<1.2	<1.1	<1.1	<1.1
Vanadium	NC	10,000	NC	14.2	13.7	14.1	15.5	13.4
Zinc	2,480	NC	109	38.7	37.2	36.2	45.5	31.3

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Liberty Stone I-78 Soil 10	Liberty Stone I-78 Soil 11	Liberty Stone I-78 Soil 12	Liberty Stone I-78 Soil 13	Liberty Stone I-78 Soil 14
SAMPLE ID:				JB18892-10A	JB18892-11A	JB18892-12A	JB18892-13A	JB18892-14A
LAB ID:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
UNITS:								
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	6,010	6,980	6,370	7,400	14,600
Antimony	NC	NC	NC	<2.1	<2.2	<2.1	<2.1	<2.3
Arsenic	16	NC	13	3.1	3.3	3.5	10.9	2.8
Barium	400	NC	350	41.6	40.7	38.9	26.5	77.8
Beryllium	47	NC	7.2	0.43	0.56	0.52	0.55	0.98
Cadmium	7.5	NC	2.5	<0.54	<0.54	<0.53	<0.52	<0.57
Calcium	NC	10,000	NC	16,800	26,800	24,700	61,100	10,000
Chromium (Hexavalent)	19	NC	1	0.081	1.3	<0.44	<0.43	<0.44
Chromium (Total)	NC	NC	NC	13.4	11.8	14.8	13	15.7
Cobalt	NC	NC	NC	<5.4	<5.4	<5.3	<5.2	<5.7
Copper	270	NC	50	17.7	16.6	17.2	16.7	8
Cyanide (Total)	27	NC	27	<0.55	<0.51	<0.52	<0.53	<0.27
Iron	NC	NC	NC	13,500	14,400	14,300	15,800	16,800
Lead	450	NC	63	20.1	18.4	17	12.9	8.8
Magnesium	NC	NC	NC	9,000	13,700	11,700	41,500	6,060
Manganese	2,000	NC	1,600	280	291	294	326	159
Mercury (Total)	0.73	NC	0.18	<0.034	0.071	0.045	0.075	0.044
Nickel	130	NC	30	9.5	11.9	12.6	12	15.1
Potassium	NC	NC	NC	1,200	1,440	1,270	2,080	<1,100
Selenium	4	NC	3.9	<2.1	<2.1	<2.1	<2.1	<2.3
Silver	8.3	NC	2	<0.54	<0.54	<0.53	<0.52	<0.57
Sodium	NC	NC	NC	<1,100	<1,100	<1,100	<1,000	<1,100
Thallium	NC	NC	NC	<1.1	<1.1	<1.1	<1.0	<1.1
Vanadium	NC	10,000	NC	14.1	16.6	16.4	20.7	17.6
Zinc	2,480	NC	109	35.1	37.6	38.2	47.1	30.8

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Liberty Stone I-78 Soil 15	Liberty Stone I-78 Soil 16	Liberty Stone I-78 Soil 17	Liberty Stone I-78 Soil 18	Liberty Stone I-78 Soil 19
SAMPLE ID:				JB18892-15A	JB18892-16A	JB18892-17A	JB18892-18A	JB18892-19A
LAB ID:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
UNITS:								
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	5,260	7,980	8,880	12,400	12,900
Antimony	NC	NC	NC	<2.0	<2.1	<2.1	<2.4	<2.1
Arsenic	16	NC	13	3	5.2	3.8	4.0	3.7
Barium	400	NC	350	28.5	32.7	46	73.5	78.6
Beryllium	47	NC	7.2	0.39	0.5	0.63	0.72	0.69
Cadmium	7.5	NC	2.5	<0.51	<0.52	<0.53	<0.60	<0.53
Calcium	NC	10,000	NC	23,400	37,200	24,600	6,250	19,600
Chromium (Hexavalent)	19	NC	1	<0.43	<0.43	<0.43	<0.46	0.71
Chromium (Total)	NC	NC	NC	9.1	12.6	14.1	31.2	30.4
Cobalt	NC	NC	NC	<5.1	7.3	<5.3	11.7	10.5
Copper	270	NC	50	11.7	23.6	20.4	31.8	30.9
Cyanide (Total)	27	NC	27	<0.52	<0.48	<0.24	<0.25	<0.25
Iron	NC	NC	NC	10,600	18,300	16,600	19,000	17,800
Lead	450	NC	63	9.5	14.5	15.8	76.3	58.2
Magnesium	NC	NC	NC	13,600	23,400	12,100	5,510	6,980
Manganese	2,000	NC	1,600	228	361	264	368	354
Mercury (Total)	0.73	NC	0.18	0.04	0.035	0.041	0.093	0.077
Nickel	130	NC	30	7.4	18.7	12.3	24.2	22.4
Potassium	NC	NC	NC	1,050	1,320	1,270	1,790	1,610
Selenium	4	NC	3.9	<2.0	<2.1	<2.1	<2.4	<2.1
Silver	8.3	NC	2	<0.51	<0.52	<0.53	<0.60	<0.53
Sodium	NC	NC	NC	<1,000	<1,000	<1,100	<1,200	<1,100
Thallium	NC	NC	NC	<1.0	<1.0	<1.1	<1.2	<1.1
Vanadium	NC	10,000	NC	13.6	15.8	16.4	28.6	28.4
Zinc	2,480	NC	109	25.5	40.4	35.7	77.2	82.9

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Natures Choice I-78 Soil 1	Natures Choice I-78 Soil 2	Natures Choice I-78 Soil 3	Natures Choice I-78 Soil 4	Natures Choice I-78 Soil 5
SAMPLE ID:								
LAB ID:				JB19432-1A	JB19432-2A	JB19432-3A	JB19432-4A	JB19432-5A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	12,400	9,030	11,000	11,700	13,200
Antimony	NC	NC	NC	<2.1	<2.0	<2.1	<2.2	<2.3
Arsenic	16	NC	13	5.8	2.6	2.6	5.2	3
Barium	400	NC	350	49.4	40.3	44	47.1	61.4
Beryllium	47	NC	7.2	1.4	0.54	0.59	0.59	0.59
Cadmium	7.5	NC	2.5	<0.54	<0.51	<0.54	<0.54	<0.57
Calcium	NC	10,000	NC	8,360	1,860	8,060	4,590	2,860
Chromium (Hexavalent)	19	NC	1	0.51	0.93	0.6	0.8	1.2
Chromium (Total)	NC	NC	NC	14.9	16.8	19	20.3	22.7
Cobalt	NC	NC	NC	<5.4	9.8	7.8	8.8	9.7
Copper	270	NC	50	11.3	16.5	20.5	19.9	23.7
Cyanide (Total)	27	NC	27	<0.25	<0.25	<0.24	<0.27	<0.27
Iron	NC	NC	NC	21,000	19,200	20,400	20,100	21,800
Lead	450	NC	63	8	13.9	9.5	19.1	41
Magnesium	NC	NC	NC	3,980	2,130	5,530	3,770	2,680
Manganese	2,000	NC	1,600	147	461	378	393	399
Mercury (Total)	0.73	NC	0.18	<0.034	0.042	<0.033	0.042	0.049
Nickel	130	NC	30	11	13.1	14.7	15.3	14.8
Potassium	NC	NC	NC	<1,100	<1,000	1,240	<1,100	<1,100
Selenium	4	NC	3.9	<2.1	<2.0	<2.1	<2.2	<2.3
Silver	8.3	NC	2	<0.54	<0.51	<0.54	<0.54	<0.57
Sodium	NC	NC	NC	<1,100	<1,000	<1,100	<1,100	<1,100
Thallium	NC	NC	NC	<1.1	<1.0	<1.1	<1.1	<1.1
Vanadium	NC	10,000	NC	17	38.5	41.2	43.3	50.9
Zinc	2,480	NC	109	36	43.5	39.2	46.1	61.8

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Natures Choice I-78 Soil 6	Natures Choice I-78 Soil 7	Natures Choice I-78 Soil 8	Natures Choice I-78 Soil 9	Natures Choice I-78 Soil 10
SAMPLE ID:								
LAB ID:				JB19432-6A	JB19432-7A	JB19432-8A	JB19432-9A	JB19432-10A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	10,700	7,290	9,740	11,600	7,030
Antimony	NC	NC	NC	<2.1	<2.1	<2.3	<2.1	<2.2
Arsenic	16	NC	13	4.2	3.4	3.2	3.2	2.8
Barium	400	NC	350	34.8	34.8	54.5	132	38.4
Beryllium	47	NC	7.2	0.61	0.54	0.72	0.79	0.55
Cadmium	7.5	NC	2.5	<0.52	<0.52	<0.57	<0.53	<0.56
Calcium	NC	10,000	NC	14,700	37,800	31,300	3,800	9,480
Chromium (Hexavalent)	19	NC	1	0.44	<0.43	1.1	0.85	<0.43
Chromium (Total)	NC	NC	NC	16.1	12	15.2	14.6	11.8
Cobalt	NC	NC	NC	8	<5.2	<5.7	<5.3	<5.6
Copper	270	NC	50	23.9	14.3	27.3	12.1	14.7
Cyanide (Total)	27	NC	27	<0.23	<0.26	<0.25	<0.24	<0.25
Iron	NC	NC	NC	21,000	14,200	15,100	18,600	15,200
Lead	450	NC	63	13.8	11.6	13.1	30.4	14.3
Magnesium	NC	NC	NC	7,000	21,900	15,500	2,170	5,370
Manganese	2,000	NC	1,600	485	360	360	221	225
Mercury (Total)	0.73	NC	0.18	<0.034	<0.031	<0.035	<0.036	<0.034
Nickel	130	NC	30	20.6	10.8	13.2	11.1	9.3
Potassium	NC	NC	NC	1,300	1,430	1,570	<1,100	<1,100
Selenium	4	NC	3.9	<2.1	<2.1	<2.3	<2.1	<2.2
Silver	8.3	NC	2	<0.52	<0.52	<0.57	<0.53	<0.56
Sodium	NC	NC	NC	<1,000	<1,000	<1,100	<1,100	<1,100
Thallium	NC	NC	NC	<1.0	<1.0	<1.1	<1.1	<1.1
Vanadium	NC	10,000	NC	17.6	18	23.1	26.3	15.8
Zinc	2,480	NC	109	55.1	39.8	48.3	62.6	28.7

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Natures Choice I-78 Soil 11	Natures Choice I-78 Soil 12	Natures Choice I-78 Soil 13	Natures Choice I-78 Soil 14	Natures Choice I-78 Soil 15
SAMPLE ID:								
LAB ID:				JB19432-11A	JB19432-12A	JB19432-13A	JB19432-14A	JB19432-15A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	8,900	9,750	9,700	11,000	12,800
Antimony	NC	NC	NC	<2.1	<2.2	<2.1	<2.2	<2.1
Arsenic	16	NC	13	3.3	3.2	3.4		2.9
Barium	400	NC	350	48.6	53.2	44.8	45.9	48.1
Beryllium	47	NC	7.2	0.8	0.64	0.75	0.7	0.6
Cadmium	7.5	NC	2.5	<0.52	<0.55	<0.53	<0.56	<0.53
Calcium	NC	10,000	NC	6,340	9,680	12,500	3,960	2,560
Chromium (Hexavalent)	19	NC	1	0.6	<0.44	<0.43	<0.43	<0.44
Chromium (Total)	NC	NC	NC	15.9	16.1	13.7	17.4	20.6
Cobalt	NC	NC	NC	<5.2	6.8	<5.3	6.7	9.4
Copper	270	NC	50	9.8	18.1	13.2	16.6	23.7
Cyanide (Total)	27	NC	27	<0.26	<0.25	<0.24	<0.26	<0.25
Iron	NC	NC	NC	16,500	17,700	16,500	20,200	21,600
Lead	450	NC	63	10.1	19.5	11.9	6.9	19.7
Magnesium	NC	NC	NC	3,780	6,470	7,010	3,220	3,410
Manganese	2,000	NC	1,600	235	286	234	302	421
Mercury (Total)	0.73	NC	0.18	<0.034	0.062	<0.035	<0.035	0.048
Nickel	130	NC	30	10	13.5	12.5	13.6	17.1
Potassium	NC	NC	NC	1,080	1,420	1,140	<1100	<1100
Selenium	4	NC	3.9	<2.1	<2.2	<2.1	<2.2	<2.1
Silver	8.3	NC	2	<0.52	<0.55	<0.53	<0.56	<0.53
Sodium	NC	NC	NC	<1,000	<1,100	<1,100	<1,100	<1,100
Thallium	NC	NC	NC	<1.0	<1.1	<1.1	<1.1	<1.1
Vanadium	NC	10,000	NC	22.4	26.9	17.4	34.5	43.3
Zinc	2,480	NC	109	27.1	41.3	31.9	32.4	57.9

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Natures Choice I-78 Soil 16	Natures Choice I-78 Soil 17	Natures Choice I-78 Soil 18	Natures Choice I-78 Soil 19	Natures Choice I-78 Soil 20
SAMPLE ID:				JB19432-16A	JB19432-17A	JB19432-18A	JB19432-19A	JB19432-20A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
UNITS:								
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	8,100	13,400	8,290	11,700	10,400
Antimony	NC	NC	NC	<2.2	<2.2	<2.1	<2.2	<2.1
Arsenic	16	NC	13	2.5	3.2	3.3	3.1	3.5
Barium	400	NC	350	37.5	56.2	43.6	47.1	40.2
Beryllium	47	NC	7.2	0.42	0.64	0.76	0.64	0.77
Cadmium	7.5	NC	2.5	<0.54	<0.55	<0.54	<0.55	<0.53
Calcium	NC	10,000	NC	3,220	2,370	8,580	2,450	17,800
Chromium (Hexavalent)	19	NC	1	<0.43	<0.44	0.6	<0.45	<0.44
Chromium (Total)	NC	NC	NC	11.5	22.7	13.5	20.7	15.1
Cobalt	NC	NC	NC	<5.4	9.3	<5.4	7.7	<5.3
Copper	270	NC	50	11	22.5	9.8	17.9	14.5
Cyanide (Total)	27	NC	27	<0.26	<0.25	<0.25	<0.26	0.26
Iron	NC	NC	NC	13,200	22,300	15,700	20,200	16,700
Lead	450	NC	63	12.6	25.9	10.2	13.8	10.9
Magnesium	NC	NC	NC	2,190	2,750	4,140	2,790	10,400
Manganese	2,000	NC	1,600	144	437	184	358	213
Mercury (Total)	0.73	NC	0.18	<0.033	0.064	<0.033	<0.035	<0.034
Nickel	130	NC	30	9.8	15.4	9.7	14.2	16.4
Potassium	NC	NC	NC	<1100	<1100	1,280	1,150	<1100
Selenium	4	NC	3.9	<2.2	<2.2	<2.1	<2.2	<2.1
Silver	8.3	NC	2	<0.54	<0.55	<0.54	<0.55	<0.53
Sodium	NC	NC	NC	<1,100	<1,100	<1,100	<1,100	<1,100
Thallium	NC	NC	NC	<1.1	<1.1	<1.1	<1.1	<1.1
Vanadium	NC	10,000	NC	18.2	56.3	17.3	42.2	18.6
Zinc	2,480	NC	109	24.7	51.6	30	39.2	29.7

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Natures Choice I-78 Soil 21	Natures Choice I-78 Soil 22	Turnpike Basin 8C IS-1	Turnpike Basin 8C IS-2	Turnpike Basin 8C IS-3
SAMPLE ID:								
LAB ID:				JB19432-21A	JB19432-22A	09383-024	09383-023	09383-027
COLLECTION DATE:				10/16/12	10/16/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	11,500	11,800	227,000	23,900	20,300
Antimony	NC	NC	NC	<2.0	<2.2	<0.295	<0.294	<0.278
Arsenic	16	NC	13	3.7	2.7	5.21	2.67	2.7
Barium	400	NC	350	49	53.4	36.1	46.4	49.8
Beryllium	47	NC	7.2	0.59	0.56	0.899	0.488	0.683
Cadmium	7.5	NC	2.5	<0.51	<0.54	<0.147	<0.147	<0.139
Calcium	NC	10,000	NC	2,040	2,080	57.9	41.5	88.8
Chromium (Hexavalent)	19	NC	1	<0.44	<0.44	NA	NA	NA
Chromium (Total)	NC	NC	NC	22.1	19.1	29.2	14.7	10.5
Cobalt	NC	NC	NC	8.4	9.1	10.7	8	3.48
Copper	270	NC	50	20.8	28.5	5.81	3.92	3.13
Cyanide (Total)	27	NC	27	<0.26	<0.26	<0.763	<0.781	<0.744
Iron	NC	NC	NC	20,400	21,300	22700	11600	11600
Lead	450	NC	63	31.2	14.4	7.31	6.7	4.58
Magnesium	NC	NC	NC	2,720	2,820	398	414	319
Manganese	2,000	NC	1,600	382	400	198	322	48.9
Mercury (Total)	0.73	NC	0.18	0.068	0.038	0.011	<0.00679	<0.00649
Nickel	130	NC	30	13.9	14.3	5.36	4.34	4.51
Potassium	NC	NC	NC	1,050	<1100	332	343	326
Selenium	4	NC	3.9	<2.0	<2.2	<1.18	<1.18	<1.11
Silver	8.3	NC	2	<0.51	<0.54	<0.147	<0.147	<0.139
Sodium	NC	NC	NC	<1,000	<1,100	<29.5	<29.4	<27.8
Thallium	NC	NC	NC	<1.0	<1.1	<0.147	<0.147	<0.139
Vanadium	NC	10,000	NC	47.1	46.9	29.5	19	18.6
Zinc	2,480	NC	109	41.8	40.8	15	13.1	12.5

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Turnpike Basin 8C IS-4	Turnpike Basin 8C IS-5	Turnpike Basin 8C IS-6	Turnpike Basin 8C IS-7	Turnpike Basin 8C IS-8
SAMPLE ID:								
LAB ID:				09383-021	09383-022	09383-025	09383-026	09383-028
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	25,100	20,800	20,800	24,500	27,900
Antimony	NC	NC	NC	<0.300	<0.270	<0.287	<0.286	<0.287
Arsenic	16	NC	13	3.5	1.53	4.13	5.12	1.79
Barium	400	NC	350	53.8	50.2	51	52.3	52.4
Beryllium	47	NC	7.2	0.656	0.51	0.879	1.43	0.538
Cadmium	7.5	NC	2.5	<0.150	<0.135	<0.144	<0.143	<0.143
Calcium	NC	10,000	NC	73.7	48.6 J	58.2	84.3	95.9
Chromium (Hexavalent)	19	NC	1	NA	NA	NA	NA	NA
Chromium (Total)	NC	NC	NC	14.9	8.88	20.5	12.5	11.1
Cobalt	NC	NC	NC	6.12	3.36	5.83	7.68	3.26
Copper	270	NC	50	4.63	3.08	4.02	4.42	5.66
Cyanide (Total)	27	NC	27	<0.761	<0.754	<0.749	<0.756	<0.781
Iron	NC	NC	NC	15400	9430	15600	27700	12100
Lead	450	NC	63	6.54	4.23	6	7.12	5.48
Magnesium	NC	NC	NC	549	458	285	300	705
Manganese	2,000	NC	1,600	103	43.2	73.9	85.6	31.5
Mercury (Total)	0.73	NC	0.18	0.011 J	<0.00648	<0.00617	<0.00589	<0.00646
Nickel	130	NC	30	4.88	4.06	4.14	3.99	6.04
Potassium	NC	NC	NC	503	355	264	337	562
Selenium	4	NC	3.9	<1.20	<1.08	<1.15	<1.14	<1.15
Silver	8.3	NC	2	<0.150	<0.135	<0.144	<0.143	<0.143
Sodium	NC	NC	NC	<30.0	<27.0	<28.7	<28.6	<28.7
Thallium	NC	NC	NC	<0.150	<0.135	<0.144	<0.143	<0.143
Vanadium	NC	10,000	NC	24	14.6	23.6	27.2	18.1
Zinc	2,480	NC	109	14.8	11	13.4	17.2	15.9

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Turnpike Basin 8C IS-9	Turnpike Basin 8C IS-10	Turnpike Basin 8C IS-11	Turnpike Basin 8C IS-12	Turnpike Basin 8C IS-13
SAMPLE ID:								
LAB ID:				09383-029	09383-030	09383-012	09383-011	09383-020
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	21,100	15,100	20,600	28,300	21,200
Antimony	NC	NC	NC	<0.284	<0.297	<0.283	<0.284	<0.292
Arsenic	16	NC	13	2.23	0.914	2.34	2.25	1.77
Barium	400	NC	350	43.3	47.2	49.8	91.9	53.5
Beryllium	47	NC	7.2	0.45	0.271	0.45	0.87	0.708
Cadmium	7.5	NC	2.5	<0.142	<0.149	<0.141	<0.142	<0.146
Calcium	NC	10,000	NC	103	63.3	105	112	67.8
Chromium (Hexavalent)	19	NC	1	NA	NA	NA	NA	NA
Chromium (Total)	NC	NC	NC	9.78	6.11	10.1	12.3	11.7
Cobalt	NC	NC	NC	3.8	1.99	3.39	4.89	3.63
Copper	270	NC	50	4.2	1.98	2.6	4.15	3.48
Cyanide (Total)	27	NC	27	<0.759	<0.754	<0.762	<0.770	<0.758
Iron	NC	NC	NC	12000	6320	11800	17100	11500
Lead	450	NC	63	5.94	3.67	4.81	8.55	5.61
Magnesium	NC	NC	NC	416	234	292	351	512
Manganese	2,000	NC	1,600	46	18.1	38.1	55.4	33.2
Mercury (Total)	0.73	NC	0.18	<0.00623	<0.00655	<0.00653	<0.00653	<0.00655
Nickel	130	NC	30	3.77	3.02	4.31	6.97	5.39
Potassium	NC	NC	NC	354	166	250	302	389
Selenium	4	NC	3.9	<1.13	<1.19	<1.13	<1.14	<1.17
Silver	8.3	NC	2	<0.142	<0.149	<0.141	<0.142	<0.146
Sodium	NC	NC	NC	<28.4	<29.7	<28.3	46.5	J <29.2
Thallium	NC	NC	NC	<0.142	<0.149	<0.141	<0.142	<0.146
Vanadium	NC	10,000	NC	19.2	10.1	16.1	29	20.7
Zinc	2,480	NC	109	12.5	8.79	12.3	15.2	13.4

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Turnpike Basin 8C IS-14	Turnpike Basin 8C IS-15	Turnpike Basin 8C IS-16	Turnpike Basin 8C IS-17	Turnpike Basin 8C IS-18	
SAMPLE ID:									
LAB ID:				09383-019	09383-018	09383-017	09383-016	09383-015	
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12	
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil	
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result	
Aluminum	NC	10,000	NC	22,700	20,600	17,100	19,300	23,600	
Antimony	NC	NC	NC	<0.300	<0.284	<0.276	<0.292	<0.307	
Arsenic	16	NC	13	2.27	0.98	1.48	3.06	5.97	
Barium	400	NC	350	47	81.7	45.9	33.4	46	
Beryllium	47	NC	7.2	0.533	0.522	0.661	0.826	1.14	
Cadmium	7.5	NC	2.5	<0.150	<0.142	<0.138	<0.146	<0.154	
Calcium	NC	10,000	NC	49.9	J 80.3	50.8	J 53.8	J 61.3	
Chromium (Hexavalent)	19	NC	1	NA	NA	NA	NA	NA	
Chromium (Total)	NC	NC	NC	15.6	6.29	8.12	7.41	15.6	
Cobalt	NC	NC	NC	6.89	3.21	4.24	4.24	3.61	
Copper	270	NC	50	3.82	2.3	1.83	J 2.45	5.56	
Cyanide (Total)	27	NC	27	<0.760	<0.760	<0.745	<0.762	<0.784	
Iron	NC	NC	NC	10500	8190	8280	16200	42800	
Lead	450	NC	63	6.83	3.9	2.94	4.18	9.57	
Magnesium	NC	NC	NC	483	329	263	224	172	
Manganese	2,000	NC	1,600	54.9	54.6	98.7	43.4	36.7	
Mercury (Total)	0.73	NC	0.18	0.018	<0.00629	<0.00642	<0.00654	<0.00665	
Nickel	130	NC	30	5.01	3.34	3.96	1.45	1.42	
Potassium	NC	NC	NC	323	211	218	252	244	
Selenium	4	NC	3.9	<1.20	<1.14	<1.10	<1.17	<0.123	
Silver	8.3	NC	2	<0.150	<0.142	<0.138	<0.146	<0.154	
Sodium	NC	NC	NC	<30.0	<28.4	<27.4	<29.2	<30.7	
Thallium	NC	NC	NC	<0.150	<0.142	<0.138	<0.146	<0.154	
Vanadium	NC	10,000	NC	19.4	11.9	13	19.2	36.7	
Zinc	2,480	NC	109	11.2	12.2	15.1	11.6	16.4	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Turnpike Basin 8C IS-19	Turnpike Basin 8C IS-20	Turnpike Basin 8C IS-21	Turnpike Basin 8C IS-22	Turnpike Basin 8C IS-23
SAMPLE ID:								
LAB ID:				09383-014	09383-013	09383-010	09383-004	09383-005
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	19,700	23,300	28,700	23,900	23,300
Antimony	NC	NC	NC	<0.299	<0.284	<0.297	<0.276	<0.291
Arsenic	16	NC	13	1.7	3.03	2.46	2.05	2.53
Barium	400	NC	350	42.4	57.4	68.7	58.2	50
Beryllium	47	NC	7.2	0.362	0.697	0.629	0.716	0.709
Cadmium	7.5	NC	2.5	<0.149	<0.142	<0.149	<0.138	<0.146
Calcium	NC	10,000	NC	84.7	123	83.6	92.5	89.6
Chromium (Hexavalent)	19	NC	1	NA	NA	NA	NA	NA
Chromium (Total)	NC	NC	NC	7.94	10.7	9.65	11.4	12.7
Cobalt	NC	NC	NC	2.2	5.2	3.6	7.44	4.33
Copper	270	NC	50	2.43	4.42	2.24	4.18	5.06
Cyanide (Total)	27	NC	27	<0.759	<0.774	<0.760	<0.763	<0.777
Iron	NC	NC	NC	8870	16100	13100	11200	13000
Lead	450	NC	63	5.16	7.57	7.69	6.6	6.74
Magnesium	NC	NC	NC	248	365	329	643	681
Manganese	2,000	NC	1,600	25.2	47.7	26.2	140	49.3
Mercury (Total)	0.73	NC	0.18	<0.00648	<0.00666	<0.00617	0.0069	0.015
Nickel	130	NC	30	2.71	4.84	6.28	6.13	6.5
Potassium	NC	NC	NC	219	385	297	506	558
Selenium	4	NC	3.9	<1.19	<1.14	<1.19	<1.10	<1.17
Silver	8.3	NC	2	<0.149	<0.142	<0.149	<0.138	<0.146
Sodium	NC	NC	NC	<29.9	<28.4	45	29.7	<29.1
Thallium	NC	NC	NC	<0.149	<0.142	<0.149	<0.138	<0.146
Vanadium	NC	10,000	NC	13.9	20.7	21.9	19.8	22.3
Zinc	2,480	NC	109	10.1	14.5	15	13.1	13.8

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Turnpike Basin 8C IS-24	Turnpike Basin 8C IS-25	Turnpike Basin 8C IS-26	Turnpike Basin 8C IS-27	Turnpike Basin 8C IS-28
SAMPLE ID:								
LAB ID:				09383-006	09383-007	09383-008	09383-009	09383-001
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	23,200	19,600	20,700	19,000	22,600
Antimony	NC	NC	NC	<0.289	<0.292	<0.281	<0.279	<0.275
Arsenic	16	NC	13	2.45	1.96	3.69	1.35	2.03
Barium	400	NC	350	48.9	55.8	37.7	48.4	70
Beryllium	47	NC	7.2	0.74	0.605	0.73	0.48	0.616
Cadmium	7.5	NC	2.5	<0.143	<0.146	<0.140	<0.139	<0.138
Calcium	NC	10,000	NC	73.6	35.6	60.1	46.5	62.6
Chromium (Hexavalent)	19	NC	1	NA	NA	NA	NA	NA
Chromium (Total)	NC	NC	NC	13.3	9.99	13.7	5.45	9.58
Cobalt	NC	NC	NC	18	3.39	4.57	2.29	5.22
Copper	270	NC	50	5.16	2.69	4.16	1.55	2.44
Cyanide (Total)	27	NC	27	<0.762	<0.753	<0.747	<0.752	<0.767
Iron	NC	NC	NC	14300	9800	15200	6970	10100
Lead	450	NC	63	11.4	3.76	11.4	4.28	4.68
Magnesium	NC	NC	NC	517	310	311	213	341
Manganese	2,000	NC	1,600	240	76.4	73.1	14.7	87.9
Mercury (Total)	0.73	NC	0.18	<0.00635	<0.00648	<0.006	<0.00642	<0.0066
Nickel	130	NC	30	5.15	3.6	4.37	3.16	4.35
Potassium	NC	NC	NC	466	241	255	228	290
Selenium	4	NC	3.9	<1.14	<1.17	<1.12	<1.11	<1.10
Silver	8.3	NC	2	<0.143	<0.146	<0.140	<0.139	<0.138
Sodium	NC	NC	NC	31.9	34.6	<28.1	30.9	<27.5
Thallium	NC	NC	NC	<0.143	<0.146	<0.140	<0.139	<0.138
Vanadium	NC	10,000	NC	25.4	13.7	22.9	10.6	13.8
Zinc	2,480	NC	109	13.7	12.6	13	10.5	12.3

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Turnpike Basin 8C IS-29	Turnpike Basin 8C IS-30	Bayonne FD-1	Bayonne FD-2	Bayonne FD-3
SAMPLE ID:				09383-002	09383-003	JB33052-1A	JB33052-2A	JB33052-3A
LAB ID:				09383-002	09383-003	JB33052-1A	JB33052-2A	JB33052-3A
COLLECTION DATE:				9/17/12	9/17/12	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	18,300	27,000	1,080	1,270	1,330
Antimony	NC	NC	NC	<0.291	<0.313	<2.0	<2.0	<2.1
Arsenic	16	NC	13	1.61	5.78	<2.0	<2.0	<2.1
Barium	400	NC	350	41.9	84	<20	<20	<21
Beryllium	47	NC	7.2	0.568	0.752	<0.20	<0.20	<0.21
Cadmium	7.5	NC	2.5	<0.145	<0.156	<0.51	<0.51	<0.52
Calcium	NC	10,000	NC	<29.1	296	1,640	1,680	3,090
Chromium (Hexavalent)	19	NC	1	NA	NA	3.8	4	4.3
Chromium (Total)	NC	NC	NC	11.3	23.8	<0.40	<0.42	<0.42
Cobalt	NC	NC	NC	4.37	5.04	<5.1	<5.1	<5.2
Copper	270	NC	50	3.23	8.09	<2.5	<2.5	<2.6
Cyanide (Total)	27	NC	27	<0.758	<0.795	<0.25	<0.25	<0.25
Iron	NC	NC	NC	9,950	20,900	2,170	2,430	2,850
Lead	450	NC	63	5.09	10.7	3.3	2.5	2.2
Magnesium	NC	NC	NC	372	951	522	583	635
Manganese	2,000	NC	1,600	66.4	62.5	35.9	33.8	37.1
Mercury (Total)	0.73	NC	0.18	<0.00611	0.045	<0.033	<0.031	<0.034
Nickel	130	NC	30	3.89	8.42	<4.1	<4.1	<4.1
Potassium	NC	NC	NC	281	799	<1000	<1000	<1000
Selenium	4	NC	3.9	<1.16	<1.25	<2.0	<2.0	<2.1
Silver	8.3	NC	2	<0.145	<0.125	<0.51	<0.51	<0.52
Sodium	NC	NC	NC	33.5	39.5	<1000	<1000	<1000
Thallium	NC	NC	NC	<0.145	<0.156	<1.0	<1.0	<1.0
Vanadium	NC	10,000	NC	17.7	37.3	<5.1	<5.1	<5.2
Zinc	2,480	NC	109	11.9	20.8	8.5	7.2	8

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayonne FD-4	Bayonne FD-5	Bayonne FD-6	Bayonne FD-7	Bayonne FD-8					
SAMPLE ID:													
LAB ID:				JB33052-4A	JB33052-5A	JB33052-6A	JB33052-7A	JB33052-8A					
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13					
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil					
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg					
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result			
Aluminum	NC	10,000	NC	1,190		1,270		1,240		1,260		1,280	
Antimony	NC	NC	NC	<2.1		<2.0		<2.1		<2.0		<2.1	
Arsenic	16	NC	13	<2.1		<2.0		<2.1		<2.0		<2.1	
Barium	400	NC	350	<21		<20		<21		<20		<21	
Beryllium	47	NC	7.2	<0.21		<0.20		<0.21		<0.20		<0.21	
Cadmium	7.5	NC	2.5	<0.53		<0.51		<0.53		<0.51		<0.51	
Calcium	NC	10,000	NC	2,090		1,570		1,530		3,370		1,440	
Chromium (Hexavalent)	19	NC	1	4.4		4.6		3.6		3.7		4.6	
Chromium (Total)	NC	NC	NC	<0.42		<0.42		<0.42		<0.42		<0.42	
Cobalt	NC	NC	NC	<5.3		<5.1		<5.3		<5.1		<5.1	
Copper	270	NC	50	<2.6		<2.5		<2.7		<2.5		<2.6	
Cyanide (Total)	27	NC	27	<0.25		<0.26		<0.25		<0.25		<0.26	
Iron	NC	NC	NC	2,430		2,570		2,390		2,390		2,570	
Lead	450	NC	63	3.7		3.7		<2.1		2.1		3.8	
Magnesium	NC	NC	NC	589		617		608		557		610	
Manganese	2,000	NC	1,600	43.1		42.7		32		34		41.9	
Mercury (Total)	0.73	NC	0.18	<0.033		<0.034		<0.035		<0.033		<0.033	
Nickel	130	NC	30	<4.2		<4.1		<4.3		<4.1		<4.1	
Potassium	NC	NC	NC	<1100		<1000		<1100		<1000		<1000	
Selenium	4	NC	3.9	<2.1		<2.0		<2.1		<2.0		<2.1	
Silver	8.3	NC	2	<0.53		<0.51		<0.53		<0.51		<0.51	
Sodium	NC	NC	NC	<1100		<1000		<1100		<1000		<1000	
Thallium	NC	NC	NC	<1.1		<1.0		<1.1		<1.0		<1.0	
Vanadium	NC	10,000	NC	<5.3		<5.1		<5.3		<5.1		<5.1	
Zinc	2,480	NC	109	11.1		11		8.9		6.8		10.6	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayonne FD-9	Bayonne FD-10	Bayonne FD-11	Bayonne FD-12	Bayonne FD-13					
SAMPLE ID:													
LAB ID:				JB33052-9A	JB33052-10A	JB33052-11A	JB33052-12A	JB33052-13A					
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13					
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil					
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg					
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result			
Aluminum	NC	10,000	NC	1,370		1,160		1,240		1,220		1,260	
Antimony	NC	NC	NC	<2.1		<2.1		<2.1		<2.1		<2.1	
Arsenic	16	NC	13	<2.1		<2.1		<2.1		<2.1		<2.1	
Barium	400	NC	350	<21		<21		<21		<21		<21	
Beryllium	47	NC	7.2	<0.21		<0.21		<0.21		<0.21		<0.21	
Cadmium	7.5	NC	2.5	<0.53		<0.53		<0.54		<0.52		<0.52	
Calcium	NC	10,000	NC	4,830		566		1,360		5,830		2,100	
Chromium (Hexavalent)	19	NC	1	3.5		4.1		3.9		3.9		4.1	
Chromium (Total)	NC	NC	NC	<0.42		<0.41		<0.42		<0.42		<0.42	
Cobalt	NC	NC	NC	<5.3		<5.3		<5.4		<5.2		<5.2	
Copper	270	NC	50	<2.6		<2.6		<2.7		<2.6		<2.6	
Cyanide (Total)	27	NC	27	<0.25		<0.25		<0.25		<0.25		<0.26	
Iron	NC	NC	NC	2,750		2,340		2,430		2,320		2,400	
Lead	450	NC	63	2.7		2.2		2.2		2.1		2.4	
Magnesium	NC	NC	NC	612		<530		584		552		592	
Manganese	2,000	NC	1,600	36.3		30.4		33.3		30.3		34.7	
Mercury (Total)	0.73	NC	0.18	<0.032		<0.033		<0.031		<0.031		<0.035	
Nickel	130	NC	30	<4.2		<4.2		<4.3		<4.1		<4.1	
Potassium	NC	NC	NC	<1100		<1100		<1100		<1000		<1000	
Selenium	4	NC	3.9	<2.1		<2.1		<2.1		<2.1		<2.1	
Silver	8.3	NC	2	<0.53		<0.53		<0.54		<0.52		<0.52	
Sodium	NC	NC	NC	<1100		<1100		<1100		<1000		<1000	
Thallium	NC	NC	NC	<1.1		<1.1		<1.1		<1.0		<1.0	
Vanadium	NC	10,000	NC	<5.3		<5.3		<5.4		<5.2		<5.2	
Zinc	2,480	NC	109	7.3		7.2		7.2		6.7		7.6	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayonne FD-14	Bayonne FD-15	Bayonne FD-16	Bayonne FD-17	Bayonne FD-18					
SAMPLE ID:													
LAB ID:				JB33052-14A	JB33052-15A	JB33052-16A	JB33052-17A	JB33052-18A					
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13					
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil					
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg					
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result		Result			
Aluminum	NC	10,000	NC	1,290		1,360		1,320		1,510		1,190	
Antimony	NC	NC	NC	<2.2		<2.1		<2.1		<2.2		<2.0	
Arsenic	16	NC	13	<2.2		<2.1		<2.1		<2.2		<2.0	
Barium	400	NC	350	<22		<21		<21		<22		<20	
Beryllium	47	NC	7.2	<0.22		<0.21		<0.21		<0.22		<0.20	
Cadmium	7.5	NC	2.5	<0.54		<0.53		<0.52		<0.56		<0.51	
Calcium	NC	10,000	NC	2,200		1,520		3,100		3,690		1,880	
Chromium (Hexavalent)	19	NC	1	4.9		4		4		5.1		3.5	
Chromium (Total)	NC	NC	NC	<0.43		0.53		<0.42		<0.43		0.76	
Cobalt	NC	NC	NC	<5.4		<5.3		<5.2		<5.6		<5.1	
Copper	270	NC	50	<2.7		<2.7		<2.6		<2.8		<2.5	
Cyanide (Total)	27	NC	27	<0.26		<0.25		<0.25		<0.26		<0.26	
Iron	NC	NC	NC	2,720		3,040		2,300		3,140		2,330	
Lead	450	NC	63	5		2.5		<2.1		6.2		2.4	
Magnesium	NC	NC	NC	631		684		626		721		574	
Manganese	2,000	NC	1,600	46.9		38.7		32.1		54.8		30	
Mercury (Total)	0.73	NC	0.18	0.039		<0.034		<0.035		<0.033		<0.031	
Nickel	130	NC	30	<4.3		<4.3		<4.1		<4.5		<4.1	
Potassium	NC	NC	NC	<1100		<1100		<1000		<1100		<1000	
Selenium	4	NC	3.9	<2.2		<2.1		<2.1		<2.2		<2.0	
Silver	8.3	NC	2	<0.54		<0.53		<0.52		<0.56		<0.51	
Sodium	NC	NC	NC	<1100		<1100		<1000		<1100		<1000	
Thallium	NC	NC	NC	<1.1		<1.1		<1.0		<1.1		<1.0	
Vanadium	NC	10,000	NC	<5.4		<5.3		<5.2		<5.6		<5.1	
Zinc	2,480	NC	109	11.9		9		6.8		12.8		6.9	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayonne FD-19	Bayonne FD-20	Bayonne FD-21	Bayonne FD-22	Bayonne FD-DUP1	
SAMPLE ID:									
LAB ID:				JB33052-19A	JB33052-20A	JB33052-21A	JB33052-22A	JB33052-23A	
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil	
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result		Result		Result	
Aluminum	NC	10,000	NC	1,130	1,210	1,220	1,320	1,190	
Antimony	NC	NC	NC	<2.2	<2.1	<2.2	<2.1	<2.1	
Arsenic	16	NC	13	<2.2	2.5	<2.2	<2.1	<2.1	
Barium	400	NC	350	<22	<21	<22	<21	<21	
Beryllium	47	NC	7.2	<0.22	<0.21	<0.22	<0.21	<0.21	
Cadmium	7.5	NC	2.5	<0.54	<0.53	<0.54	<0.53	<0.53	
Calcium	NC	10,000	NC	1,980	3,950	12,700	14,200	6,070	
Chromium (Hexavalent)	19	NC	1	4.4	4.2	4.8	5.7	3.8	
Chromium (Total)	NC	NC	NC	<0.42	<0.42	<0.43	<0.42	<0.42	
Cobalt	NC	NC	NC	<5.4	<5.3	<5.4	<5.3	<5.3	
Copper	270	NC	50	<2.7	<2.6	4.7	<2.6	5.7	
Cyanide (Total)	27	NC	27	<0.25	<0.25	<0.26	<0.25	<0.25	
Iron	NC	NC	NC	2,360	2,400	2,670	2,800	2,370	
Lead	450	NC	63	3.9	3.1	10.2	4.6	2.2	
Magnesium	NC	NC	NC	558	586	624	688	590	
Manganese	2,000	NC	1,600	42.7	37.2	43.8	48.6	33.5	
Mercury (Total)	0.73	NC	0.18	<0.032	<0.033	<0.035	<0.032	<0.033	
Nickel	130	NC	30	<4.3	<4.2	<4.4	<4.2	<4.2	
Potassium	NC	NC	NC	<1100	<1100	<1100	<1100	<1100	
Selenium	4	NC	3.9	<2.2	<2.1	<2.2	<2.1	<2.1	
Silver	8.3	NC	2	<0.54	<0.53	<0.54	<0.53	<0.53	
Sodium	NC	NC	NC	<1100	<1100	<1100	<1100	<1100	
Thallium	NC	NC	NC	<1.1	<1.1	<1.1	<1.1	<1.1	
Vanadium	NC	10,000	NC	<5.4	<5.3	<5.4	<5.3	<5.3	
Zinc	2,480	NC	109	10.6	8.9	9.9	11.4	6.3	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayonne FD-DUP2	
SAMPLE ID:					
LAB ID:				JB33052-24A	
COLLECTION DATE:				4/2/13	
SAMPLE MATRIX:				Soil	
UNITS:				mg/kg	
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	
Aluminum	NC	10,000	NC	1,400	
Antimony	NC	NC	NC	<2.1	
Arsenic	16	NC	13	<2.1	
Barium	400	NC	350	<21	
Beryllium	47	NC	7.2	<0.21	
Cadmium	7.5	NC	2.5	<0.52	
Calcium	NC	10,000	NC	1,680	
Chromium (Hexavalent)	19	NC	1	4	
Chromium (Total)	NC	NC	NC	<0.42	
Cobalt	NC	NC	NC	<5.2	
Copper	270	NC	50	<2.6	
Cyanide (Total)	27	NC	27	<0.25	
Iron	NC	NC	NC	3,650	
Lead	450	NC	63	2.4	
Magnesium	NC	NC	NC	728	
Manganese	2,000	NC	1,600	40.2	
Mercury (Total)	0.73	NC	0.18	<0.034	
Nickel	130	NC	30	<4.1	
Potassium	NC	NC	NC	<1000	
Selenium	4	NC	3.9	<2.1	
Silver	8.3	NC	2	<0.52	
Sodium	NC	NC	NC	<1000	
Thallium	NC	NC	NC	<1.0	
Vanadium	NC	10,000	NC	<5.2	
Zinc	2,480	NC	109	8.6	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Weldon Fanwood Screening	Weldon Fanwood Select Fill	Allocco	Tilcon New York, Inc	Amboy Aggregates Sand
SAMPLE ID:								
LAB ID:				JB-15010-1A	JB15010-2A	1012806-01	07616-001	E11-12558-001
COLLECTION DATE:				8/29/12	8/29/12	1/24/11	8/3/12	12/16/11
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	15,800	38,200	NA	3,800	1,560
Antimony	NC	NC	NC	<2.2	<2.4	NA	<1.03	< 1.24
Arsenic	16	NC	13	<2.2	<2.4	0.00317	0.513	J 2.04
Barium	400	NC	350	28	75	0.0526	20.4	3.51 J
Beryllium	47	NC	7.2	<0.22	<0.24	<0.00165	0.522	< 0.309
Cadmium	7.5	NC	2.5	<0.55	<0.59	<0.001	<0.515	< 0.309
Calcium	NC	10,000	NC	11,900	6,350	NA	3,750	2,090
Chromium (Hexavalent)	19	NC	1	<0.43	1.1	NA	< 1.03	< 1.0
Chromium (Total)	NC	NC	NC	13.5	88.3	0.0135	2.88	4.83
Cobalt	NC	NC	NC	12.9	27	NA	3.52	1.43 J
Copper	270	NC	50	80.2	82.3	NA	5.86	0.879 J
Cyanide (Total)	27	NC	27	<0.26	<0.28	0.0293	< 1.03	< 1.0
Iron	NC	NC	NC	21,600	41,200	NA	13,800	4,970
Lead	450	NC	63	2.9	7.1	0.0623	0.836	1.47
Magnesium	NC	NC	NC	9,550	8,720	NA	1,770	841
Manganese	2,000	NC	1,600	250	804	0.194	151	44.6
Mercury (Total)	0.73	NC	0.18	<0.035	<0.040	<0.0002	< 0.013	1.73
Nickel	130	NC	30	34.7	48.7	0.0107	2.54	<1.24
Potassium	NC	NC	NC	<1,100	<1,200	NA	941	658
Selenium	4	NC	3.9	<2.2	<2.4	<0.00165	< 2.06	< 2.48
Silver	8.3	NC	2	0.59	<0.59	<0.00136	< 0.515	< 0.619
Sodium	NC	NC	NC	2,600	<1,200	NA	166	314
Thallium	NC	NC	NC	<1.1	<1.2	NA	< 0.515	< 0.309
Vanadium	NC	10,000	NC	41.5	125	NA	7.7	6.79
Zinc	2,480	NC	109	27.9	53.9	0.0834	20.5	46.4

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Amboy Aggregates Sand 1	Amboy Aggregates Sand 2	Bayshore Screening Pile - Soil 1	Bayshore Screening Pile - Soil 2	Bayshore Screening Pile - Soil 3
SAMPLE ID:								
LAB ID:				JB19430-1A	JB19430-2A	JB19431-1A	JB19431-2A	JB19431-3A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	1,390	1,730	14,800	17,400	16,300
Antimony	NC	NC	NC	<2.0	<2.1	<2.1	<2.5	<2.3
Arsenic	16	NC	13	2.4	2.4	4.2	5.9	5.1
Barium	400	NC	350	<20	<21	63.7	70	81.5
Beryllium	47	NC	7.2	<0.20	<0.21	0.76	0.92	0.92
Cadmium	7.5	NC	2.5	<0.50	<0.51	<0.53	<0.62	<0.57
Calcium	NC	10,000	NC	3,040	2,020	736	906	1,010
Chromium (Hexavalent)	19	NC	1	<0.42	<0.42	<0.42	0.78	<0.47
Chromium (Total)	NC	NC	NC	5.5	7	20.1	23.8	24.3
Cobalt	NC	NC	NC	<5.0	<5.1	9.3	11.6	11.8
Copper	270	NC	50	<2.5	<2.6	20.3	46.5	22.1
Cyanide (Total)	27	NC	27	<0.24	<0.23	<0.24	<0.27	<0.26
Iron	NC	NC	NC	4,860	7,360	25,300	26,300	31,200
Lead	450	NC	63	2	3.1	12.2	11.7	11.3
Magnesium	NC	NC	NC	824	1,040	1,740	1,520	1,510
Manganese	2,000	NC	1,600	56.3	48.6	369	410	437
Mercury (Total)	0.73	NC	0.18	<0.033	<0.031	<0.033	0.041	<0.039
Nickel	130	NC	30	<4.0	5.6	10	12.1	11.3
Potassium	NC	NC	NC	<1,100	<1,000	<1,000	<1,200	<1,100
Selenium	4	NC	3.9	<2.0	<2.1	<2.1	<2.5	<2.3
Silver	8.3	NC	2	<0.50	<0.51	0.86	1.1	0.98
Sodium	NC	NC	NC	<1,100	<1,000	<1,000	<1,200	<1,100
Thallium	NC	NC	NC	<1.0	<1.0	<1.1	<1.2	<1.1
Vanadium	NC	10,000	NC	7.5	8.5	31.8	38.4	36.6
Zinc	2,480	NC	109	9.5	12.5	25.1	29.7	27

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayshore Screening Pile - Soil 4	Bayshore Screening Pile - Soil 5	Bayshore Screening Pile - Soil 6	Bayshore Screening Pile - Soil 7	Bayshore Screening Pile - Soil 8
SAMPLE ID:				JB19431-4A	JB19431-5A	JB19431-6A	JB19431-7A	JB19431-8A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
UNITS:								
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	17,500	15,400	12,700	15,900	16,700
Antimony	NC	NC	NC	<2.3	<2.6	<2.4	<2.2	<2.4
Arsenic	16	NC	13	5.8	5.2	4.9	4.5	4.9
Barium	400	NC	350	82.2	76.4	81.9	69.5	71.4
Beryllium	47	NC	7.2	1.1	0.86	0.92	0.84	0.88
Cadmium	7.5	NC	2.5	<0.58	<0.64	<0.60	<0.56	<0.60
Calcium	NC	10,000	NC	1,290	6,680	3,720	1,300	2,070
Chromium (Hexavalent)	19	NC	1	<0.48	0.72	0.62	<0.47	<0.48
Chromium (Total)	NC	NC	NC	25.9	24.9	23.2	24.6	23
Cobalt	NC	NC	NC	12.6	10.4	21.9	9.8	12
Copper	270	NC	50	26.4	26.3	27.1	22.7	23.6
Cyanide (Total)	27	NC	27	<0.28	<0.30	<0.28	<0.27	<0.30
Iron	NC	NC	NC	26,400	24,300	20,700	21,500	24,300
Lead	450	NC	63	12.6	16.3	12.4	10.1	10
Magnesium	NC	NC	NC	2,180	5,380	3,010	1,740	1,500
Manganese	2,000	NC	1,600	469	440	723	389	466
Mercury (Total)	0.73	NC	0.18	<0.036	<0.038	<0.036	<0.038	<0.039
Nickel	130	NC	30	13.4	14.1	14.3	11.4	10.8
Potassium	NC	NC	NC	<1,300	<1,200	<1,100	<1,200	<1,100
Selenium	4	NC	3.9	<2.3	<2.6	<2.4	<2.2	<2.4
Silver	8.3	NC	2	1	0.97	1.2	0.97	1.1
Sodium	NC	NC	NC	<1,300	<1,200	<1,100	<1,200	<1,100
Thallium	NC	NC	NC	<1.2	<1.3	<1.2	<1.1	<1.2
Vanadium	NC	10,000	NC	40.6	36.1	36.6	33.7	35
Zinc	2,480	NC	109	29.7	34.6	29.6	24.8	24.4

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayshore Screening Pile - Soil 9	Bayshore Screening Pile - Soil 10	Bayshore Screening Pile - Soil 11	Bayshore Screening Pile - Soil 12	Bayshore Screening Pile - Soil 13
SAMPLE ID:				JB19431-9A	JB19431-10A	JB19431-11A	JB19431-12A	JB19431-13A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
UNITS:								
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	15,500	19,800	13,600	23,200	24,500
Antimony	NC	NC	NC	<2.3	<2.2	<2.2	<2.3	<2.1
Arsenic	16	NC	13	4.2	5.5	5.1	6.4	7.3
Barium	400	NC	350	49.3	68.9	62.5	74.8	72
Beryllium	47	NC	7.2	0.49	0.83	0.71	1.1	0.94
Cadmium	7.5	NC	2.5	<0.57	<0.54	<0.56	<0.58	<0.53
Calcium	NC	10,000	NC	5,140	4,700	1,880	4,280	4,440
Chromium (Hexavalent)	19	NC	1	1.1	0.59	0.69	0.8	0.68
Chromium (Total)	NC	NC	NC	30.9	37.4	25.7	45.3	38.1
Cobalt	NC	NC	NC	7.1	9.4	<5.6	13.1	9.6
Copper	270	NC	50	29.4	107	14.4	49.5	48.9
Cyanide (Total)	27	NC	27	<0.25	<0.27	<0.26	<0.27	<0.25
Iron	NC	NC	NC	22,800	24,900	16,700	24,000	26,800
Lead	450	NC	63	25.1	30.2	10.2	42.1	37.1
Magnesium	NC	NC	NC	5,450	7,140	3,890	6,410	7,420
Manganese	2,000	NC	1,600	346	471	202	670	443
Mercury (Total)	0.73	NC	0.18	0.054	0.042	<0.035	0.035	0.04
Nickel	130	NC	30	17.7	25.7	16.2	24.5	23.8
Potassium	NC	NC	NC	1,260	1,910	1,380	2,440	2,710
Selenium	4	NC	3.9	<2.3	<2.2	<2.2	<2.3	<2.1
Silver	8.3	NC	2	0.93	1.1	<0.56	0.88	0.93
Sodium	NC	NC	NC	<1,100	<1,100	<1,100	<1,200	<1,200
Thallium	NC	NC	NC	<1.1	<1.1	<1.1	<1.2	<1.1
Vanadium	NC	10,000	NC	38.8	49.7	37.3	59	53.7
Zinc	2,480	NC	109	46.6	62.8	36.5	79.4	88.2

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayshore Screening Pile - Soil 14	Bayshore Screening Pile - Soil 15	Former Raritan Arsenal Fill - Soil 1	Former Raritan Arsenal Fill - Soil 2	Former Raritan Arsenal Fill - Soil 3
SAMPLE ID:								
LAB ID:				JB19431-14A	JB19431-15A	JB19112-1A	JB19112-2A	JB19112-3A
COLLECTION DATE:				10/16/12	10/16/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	23,000	12,100	4,640	7,190	7,380
Antimony	NC	NC	NC	<2.3	<2.2	<2.2	<2.3	<2.4
Arsenic	16	NC	13	5.3	5.7	<2.2	<2.3	<2.4
Barium	400	NC	350	74	48.4	22.9	<23	<24
Beryllium	47	NC	7.2	0.82	0.46	0.33	0.38	0.51
Cadmium	7.5	NC	2.5	<0.59	<0.56	<0.54	<0.57	<0.60
Calcium	NC	10,000	NC	4,880	7,630	3,860	3,520	<600
Chromium (Hexavalent)	19	NC	1	1.1	1.2	0.59	0.92	0.98
Chromium (Total)	NC	NC	NC	38.5	31.4	87.6	43.8	13.4
Cobalt	NC	NC	NC	9.4	8.8	<5.4	<5.7	<6.0
Copper	270	NC	50	36.1	73.8	15.2	11	5.3
Cyanide (Total)	27	NC	27	<0.25	<0.25	<0.25	<0.25	<0.26
Iron	NC	NC	NC	26,500	21,100	6,560	4,320	1,090
Lead	450	NC	63	36.1	34.1	6.7	6.3	4.3
Magnesium	NC	NC	NC	7,760	6,510	1,150	909	<600
Manganese	2,000	NC	1,600	475	372	663	467	24.9
Mercury (Total)	0.73	NC	0.18	0.065	0.054	<0.036	0.048	<0.035
Nickel	130	NC	30	22.6	26.1	7.3	6.5	<4.8
Potassium	NC	NC	NC	2,170	1,070	<1,100	<1,100	<1,200
Selenium	4	NC	3.9	<2.3	<2.2	<2.2	<2.3	<2.4
Silver	8.3	NC	2	0.97	1.1	<0.54	<0.57	<0.60
Sodium	NC	NC	NC	<1,100	<1,000	<1,100	<1,100	<1,200
Thallium	NC	NC	NC	<1.2	<1.1	<1.1	<1.1	<1.2
Vanadium	NC	10,000	NC	48.4	39.8	26.8	22.9	21.8
Zinc	2,480	NC	109	72	54.9	14.1	14.7	3.8

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Former Raritan Arsenal Fill - Soil 4	Former Raritan Arsenal Fill - Soil 5	Former Raritan Arsenal Fill - Soil 6	Former Raritan Arsenal Fill - Soil 7	Former Raritan Arsenal Fill - Soil 8
SAMPLE ID:								
LAB ID:				JB19112-4A	JB19112-5A	JB19112-6A	JB19112-7A	JB19112-8A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	7,000	10,100	5,510	4,430	4,730
Antimony	NC	NC	NC	<2.0	<2.2	<2.2	<2.1	<2.1
Arsenic	16	NC	13	<2.0	<2.2	<2.2	<2.1	<2.1
Barium	400	NC	350	29.1	<22	<22	<21	<21
Beryllium	47	NC	7.2	0.31	0.49	0.25	0.22	0.31
Cadmium	7.5	NC	2.5	<0.51	<0.54	<0.55	<0.52	<0.53
Calcium	NC	10,000	NC	7,170	<540	<550	<520	2,420
Chromium (Hexavalent)	19	NC	1	<0.43	<0.46	0.53	0.96	0.97
Chromium (Total)	NC	NC	NC	181	15.7	9	8.4	29.6
Cobalt	NC	NC	NC	<5.1	<5.4	<5.5	<5.2	<5.3
Copper	270	NC	50	15.1	7.4	3.6	4.6	7.4
Cyanide (Total)	27	NC	27	<0.26	<0.26	<0.26	<0.24	<0.23
Iron	NC	NC	NC	16,200	1,340 ^a	1,370 ^a	1,860	3,940
Lead	450	NC	63	4.4	8.3	3.3	2.1	3.7
Magnesium	NC	NC	NC	2,770	<540	<550	<520	885
Manganese	2,000	NC	1,600	1490	26.7	14.4	12.5	331
Mercury (Total)	0.73	NC	0.18	<0.035	<0.040	0.037	<0.033	<0.035
Nickel	130	NC	30	6.8	<4.3	<4.4	<4.2	5.1
Potassium	NC	NC	NC	<1,000	<1,100	<1,100	<1,000	<1,100
Selenium	4	NC	3.9	<2.0	<2.2	<2.2	<2.1	<2.1
Silver	8.3	NC	2	<0.51	<0.54	<0.55	<0.52	<0.53
Sodium	NC	NC	NC	<1,000	<1,100	<1,100	<1,000	<1,100
Thallium	NC	NC	NC	<2.0 ^b	<1.1	<1.1	<1.0	<1.1
Vanadium	NC	10,000	NC	26	21.9	11.7	11	15
Zinc	2,480	NC	109	23.5	3.4	<2.2	2.1	9.4

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 9	Former Raritan Arsenal Fill - Soil 10	Former Raritan Arsenal Fill - Soil 11	Former Raritan Arsenal Fill - Soil 12	Former Raritan Arsenal Fill - Soil 13
LAB ID:				JB19112-9A	JB19112-10A	JB19112-11A	JB19112-12A	JB19112-13A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	2,810	3,090	2,760	1,850	3,810
Antimony	NC	NC	NC	<2.2	<2.0	<2.4	<2.0	<2.2
Arsenic	16	NC	13	<2.2	<2.0	<2.4	<2.0	<2.2
Barium	400	NC	350	<22	<20	<24	<20	<22
Beryllium	47	NC	7.2	0.24	<0.20	<0.24	<0.20	<0.22
Cadmium	7.5	NC	2.5	<0.54	<0.50	<0.59	<0.50	<0.55
Calcium	NC	10,000	NC	<540	<500	<590	<500	<550
Chromium (Hexavalent)	19	NC	1	0.73	0.62	<0.45	1.5	0.62
Chromium (Total)	NC	NC	NC	5.9	6.5	4.7	16.5	7.3
Cobalt	NC	NC	NC	<5.4	<5.0	<5.9	<5.0	<5.5
Copper	270	NC	50	3.2	2.7	<3.0	3.5	<2.7
Cyanide (Total)	27	NC	27	<0.26	<0.23	<0.25	<0.25	<0.26
Iron	NC	NC	NC	2,140	2,200	866	4,900	2,000
Lead	450	NC	63	<2.2	2	<2.4	2.7	8.3
Magnesium	NC	NC	NC	<540	<500	<590	<500	<550
Manganese	2,000	NC	1,600	7.4	13.9	2	21	3.1
Mercury (Total)	0.73	NC	0.18	<0.032	<0.033	<0.037	<0.030	<0.034
Nickel	130	NC	30	<4.3	<4.0	<4.7	<4.0	<4.4
Potassium	NC	NC	NC	<1,100	<1,000	<1,200	<1,000	<1,100
Selenium	4	NC	3.9	<2.2	<2.0	<2.4	<2.0	<2.2
Silver	8.3	NC	2	<0.54	<0.50	<0.59	<0.50	<0.55
Sodium	NC	NC	NC	<1,100	<1,000	<1,200	<1,000	<1,100
Thallium	NC	NC	NC	<1.1	<1.0	<1.2	<1.0	<1.1
Vanadium	NC	10,000	NC	7.8	9.1	<5.9	26.1	9
Zinc	2,480	NC	109	5	<2.0	<2.4	4.1	<2.2

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 14	Former Raritan Arsenal Fill - Soil 15	Former Raritan Arsenal Fill - Soil 16	Former Raritan Arsenal Fill - Soil 17	Former Raritan Arsenal Fill - Soil 18
LAB ID:				JB19112-14A	JB19112-15A	JB19112-16A	JB19112-17A	JB19112-18A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	830	2,080	6,410	2,180	4,040
Antimony	NC	NC	NC	<2.1	<2.1	<2.3	<2.1	<2.1
Arsenic	16	NC	13	<2.1	<2.1	<2.3	<2.1	<2.1
Barium	400	NC	350	<21	<21	<23	<21	25.2
Beryllium	47	NC	7.2	<0.21	0.24	0.46	<0.21	0.33
Cadmium	7.5	NC	2.5	<0.53	<0.53	<0.58	<0.52	<0.54
Calcium	NC	10,000	NC	<530	<530	691	<520	<540
Chromium (Hexavalent)	19	NC	1	0.68	0.66	<0.44	<0.43	<0.46
Chromium (Total)	NC	NC	NC	5.4	13.7	19.7	4.2	9.4
Cobalt	NC	NC	NC	<5.3	<5.3	<5.8	<5.2	<5.4
Copper	270	NC	50	<2.6	10.4	10.4	<2.6	<2.7
Cyanide (Total)	27	NC	27	<0.24	<0.25	<0.25	<0.25	<0.27
Iron	NC	NC	NC	3,070	9,700	1,950	2,210	806 ^a
Lead	450	NC	63	<2.1	2.1	5	<2.1	4.2
Magnesium	NC	NC	NC	<530	<530	<580	<520	<540
Manganese	2,000	NC	1,600	4.5	47.5	115	3.5	8.3
Mercury (Total)	0.73	NC	0.18	<0.033	<0.032	<0.032	<0.031	<0.034
Nickel	130	NC	30	<4.2	4.3	7.9	<4.1	<4.3
Potassium	NC	NC	NC	<1,100	<1,100	<1,200	<1,000	<1,100
Selenium	4	NC	3.9	<2.1	<2.1	<2.3	<2.1	<2.1
Silver	8.3	NC	2	<0.53	<0.53	<0.58	<0.52	<0.54
Sodium	NC	NC	NC	<1,100	<1,100	<1,200	<1,000	<1,100
Thallium	NC	NC	NC	<1.1	<1.1	<1.2	<1.0	<1.1
Vanadium	NC	10,000	NC	10.2	15.3	24.3	8	18.7
Zinc	2,480	NC	109	<2.1	6	8.6	<2.1	<2.1

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Former Raritan Arsenal Fill - Soil 19	Liberty Stone I-78 Soil 1	Liberty Stone I-78 Soil 2	Liberty Stone I-78 Soil 3	Liberty Stone I-78 Soil 4
SAMPLE ID:								
LAB ID:				JB19112-19A	JB18892-1A	JB18892-2A	JB18892-3A	JB18892-4A
COLLECTION DATE:				10/12/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	3,040	12,700	8,820	5,720	6,150
Antimony	NC	NC	NC	<2.1	<2.2	<2.3	<2.2	<2.1
Arsenic	16	NC	13	<2.1	4	3.6	2.6	2.9
Barium	400	NC	350	<21	110	51.9	36	37
Beryllium	47	NC	7.2	0.3	0.69	0.63	0.45	0.42
Cadmium	7.5	NC	2.5	<0.52	0.64	<0.57	<0.55	<0.53
Calcium	NC	10,000	NC	<520	11,800	21,000	35,300	44,800
Chromium (Hexavalent)	19	NC	1	0.46	<0.46	<0.44	<0.44	<0.44
Chromium (Total)	NC	NC	NC	9.3	29.4	14.2	12	10.2
Cobalt	NC	NC	NC	<5.2	11.5	<5.7	<5.5	<5.3
Copper	270	NC	50	6.1	33.4	14.2	22.2	20.7
Cyanide (Total)	27	NC	27	<0.25	<0.27	<0.24	0.39	0.72
Iron	NC	NC	NC	8,440	18,800	15,600	13,400	13,000
Lead	450	NC	63	2.2	65.4	13.8	15.5	14.1
Magnesium	NC	NC	NC	<520	6,550	11,600	15,500	27,200
Manganese	2,000	NC	1,600	7.8	476	317	308	375
Mercury (Total)	0.73	NC	0.18	<0.036	0.096	<0.036	0.05	<0.035
Nickel	130	NC	30	<4.2	23.3	12.2	10.6	10.1
Potassium	NC	NC	NC	<1,000	1,990	1,890	1,190	1,290
Selenium	4	NC	3.9	<2.1	<2.2	<2.3	<2.2	<2.1
Silver	8.3	NC	2	<0.52	<0.56	<0.57	<0.55	<0.53
Sodium	NC	NC	NC	<1,000	<1,100	<1,100	<1,100	<1,100
Thallium	NC	NC	NC	<1.0	<1.1	<1.1	<1.1	<1.1
Vanadium	NC	10,000	NC	16.2	29.7	20.7	14.4	14.8
Zinc	2,480	NC	109	<2.1	112	37.2	39.3	42.9

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Liberty Stone I-78 Soil 5	Liberty Stone I-78 Soil 6	Liberty Stone I-78 Soil 7	Liberty Stone I-78 Soil 8	Liberty Stone I-78 Soil 9
SAMPLE ID:								
LAB ID:				JB18892-5A	JB18892-6A	JB18892-7A	JB18892-8A	JB18892-9A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	5,490	5,110	5,610	6,620	5,620
Antimony	NC	NC	NC	<2.3	<2.3	<2.1	<2.3	<2.3
Arsenic	16	NC	13	3.7	3	3	3.4	3.4
Barium	400	NC	350	34.2	33.8	33.8	36.1	38.1
Beryllium	47	NC	7.2	0.47	0.42	0.42	0.43	0.45
Cadmium	7.5	NC	2.5	<0.57	<0.58	<0.53	<0.57	<0.57
Calcium	NC	10,000	NC	43,100	18,200	34,000	27,400	17,100
Chromium (Hexavalent)	19	NC	1	<0.44	<0.44	<0.44	<0.44	<0.44
Chromium (Total)	NC	NC	NC	10.9	11	10.8	11.9	10.3
Cobalt	NC	NC	NC	<5.7	<5.8	<5.3	<5.7	<5.7
Copper	270	NC	50	19	17.5	27.9	28	20.1
Cyanide (Total)	27	NC	27	1	<0.50	<0.50	<0.49	0.6
Iron	NC	NC	NC	12,000	11,700	11,700	13,300	12,300
Lead	450	NC	63	18.3	18	19.9	24.1	39.5
Magnesium	NC	NC	NC	26,000	9,260	19,300	15,100	9,580
Manganese	2,000	NC	1,600	260	316	250	262	230
Mercury (Total)	0.73	NC	0.18	0.038	0.063	0.039	<0.036	<0.034
Nickel	130	NC	30	9.6	9.3	9.3	11.7	8.9
Potassium	NC	NC	NC	1,270	<1,200	1,240	1,200	1,210
Selenium	4	NC	3.9	<2.3	<2.3	<2.1	<2.3	<2.3
Silver	8.3	NC	2	<0.57	<0.58	<0.53	<0.57	<0.57
Sodium	NC	NC	NC	<1,100	<1,200	<1,100	<1,100	<1,100
Thallium	NC	NC	NC	<1.1	<1.2	<1.1	<1.1	<1.1
Vanadium	NC	10,000	NC	14.2	13.7	14.1	15.5	13.4
Zinc	2,480	NC	109	38.7	37.2	36.2	45.5	31.3

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Liberty Stone I-78 Soil 10	Liberty Stone I-78 Soil 11	Liberty Stone I-78 Soil 12	Liberty Stone I-78 Soil 13	Liberty Stone I-78 Soil 14
SAMPLE ID:								
LAB ID:				JB18892-10A	JB18892-11A	JB18892-12A	JB18892-13A	JB18892-14A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	6,010	6,980	6,370	7,400	14,600
Antimony	NC	NC	NC	<2.1	<2.2	<2.1	<2.1	<2.3
Arsenic	16	NC	13	3.1	3.3	3.5	10.9	2.8
Barium	400	NC	350	41.6	40.7	38.9	26.5	77.8
Beryllium	47	NC	7.2	0.43	0.56	0.52	0.55	0.98
Cadmium	7.5	NC	2.5	<0.54	<0.54	<0.53	<0.52	<0.57
Calcium	NC	10,000	NC	16,800	26,800	24,700	61,100	10,000
Chromium (Hexavalent)	19	NC	1	0.081	1.3	<0.44	<0.43	<0.44
Chromium (Total)	NC	NC	NC	13.4	11.8	14.8	13	15.7
Cobalt	NC	NC	NC	<5.4	<5.4	<5.3	<5.2	<5.7
Copper	270	NC	50	17.7	16.6	17.2	16.7	8
Cyanide (Total)	27	NC	27	<0.55	<0.51	<0.52	<0.53	<0.27
Iron	NC	NC	NC	13,500	14,400	14,300	15,800	16,800
Lead	450	NC	63	20.1	18.4	17	12.9	8.8
Magnesium	NC	NC	NC	9,000	13,700	11,700	41,500	6,060
Manganese	2,000	NC	1,600	280	291	294	326	159
Mercury (Total)	0.73	NC	0.18	<0.034	0.071	0.045	0.075	0.044
Nickel	130	NC	30	9.5	11.9	12.6	12	15.1
Potassium	NC	NC	NC	1,200	1,440	1,270	2,080	<1,100
Selenium	4	NC	3.9	<2.1	<2.2	<2.1	<2.1	<2.3
Silver	8.3	NC	2	<0.54	<0.54	<0.53	<0.52	<0.57
Sodium	NC	NC	NC	<1,100	<1,100	<1,100	<1,000	<1,100
Thallium	NC	NC	NC	<1.1	<1.1	<1.1	<1.0	<1.1
Vanadium	NC	10,000	NC	14.1	16.6	16.4	20.7	17.6
Zinc	2,480	NC	109	35.1	37.6	38.2	47.1	30.8

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Liberty Stone I-78 Soil 15	Liberty Stone I-78 Soil 16	Liberty Stone I-78 Soil 17	Liberty Stone I-78 Soil 18	Liberty Stone I-78 Soil 19
SAMPLE ID:								
LAB ID:				JB18892-15A	JB18892-16A	JB18892-17A	JB18892-18A	JB18892-19A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	5,260	7,980	8,880	12,400	12,900
Antimony	NC	NC	NC	<2.0	<2.1	<2.1	<2.4	<2.1
Arsenic	16	NC	13	3	5.2	3.8	4.0	3.7
Barium	400	NC	350	28.5	32.7	46	73.5	78.6
Beryllium	47	NC	7.2	0.39	0.5	0.63	0.72	0.69
Cadmium	7.5	NC	2.5	<0.51	<0.52	<0.53	<0.60	<0.53
Calcium	NC	10,000	NC	23,400	37,200	24,600	6,250	19,600
Chromium (Hexavalent)	19	NC	1	<0.43	<0.43	<0.43	<0.46	0.71
Chromium (Total)	NC	NC	NC	9.1	12.6	14.1	31.2	30.4
Cobalt	NC	NC	NC	<5.1	7.3	<5.3	11.7	10.5
Copper	270	NC	50	11.7	23.6	20.4	31.8	30.9
Cyanide (Total)	27	NC	27	<0.52	<0.48	<0.24	<0.25	<0.25
Iron	NC	NC	NC	10,600	18,300	16,600	19,000	17,800
Lead	450	NC	63	9.5	14.5	15.8	76.3	58.2
Magnesium	NC	NC	NC	13,600	23,400	12,100	5,510	6,980
Manganese	2,000	NC	1,600	228	361	264	368	354
Mercury (Total)	0.73	NC	0.18	0.04	0.035	0.041	0.093	0.077
Nickel	130	NC	30	7.4	18.7	12.3	24.2	22.4
Potassium	NC	NC	NC	1,050	1,320	1,270	1,790	1,610
Selenium	4	NC	3.9	<2.0	<2.1	<2.1	<2.4	<2.1
Silver	8.3	NC	2	<0.51	<0.52	<0.53	<0.60	<0.53
Sodium	NC	NC	NC	<1,000	<1,000	<1,100	<1,200	<1,100
Thallium	NC	NC	NC	<1.0	<1.0	<1.1	<1.2	<1.1
Vanadium	NC	10,000	NC	13.6	15.8	16.4	28.6	28.4
Zinc	2,480	NC	109	25.5	40.4	35.7	77.2	82.9

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Natures Choice I-78 Soil 1	Natures Choice I-78 Soil 2	Natures Choice I-78 Soil 3	Natures Choice I-78 Soil 4	Natures Choice I-78 Soil 5
SAMPLE ID:								
LAB ID:				JB19432-1A	JB19432-2A	JB19432-3A	JB19432-4A	JB19432-5A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	12,400	9,030	11,000	11,700	13,200
Antimony	NC	NC	NC	<2.1	<2.0	<2.1	<2.2	<2.3
Arsenic	16	NC	13	5.8	2.6	2.6	5.2	3
Barium	400	NC	350	49.4	40.3	44	47.1	61.4
Beryllium	47	NC	7.2	1.4	0.54	0.59	0.59	0.59
Cadmium	7.5	NC	2.5	<0.54	<0.51	<0.54	<0.54	<0.57
Calcium	NC	10,000	NC	8,360	1,860	8,060	4,590	2,860
Chromium (Hexavalent)	19	NC	1	0.51	0.93	0.6	0.8	1.2
Chromium (Total)	NC	NC	NC	14.9	16.8	19	20.3	22.7
Cobalt	NC	NC	NC	<5.4	9.8	7.8	8.8	9.7
Copper	270	NC	50	11.3	16.5	20.5	19.9	23.7
Cyanide (Total)	27	NC	27	<0.25	<0.25	<0.24	<0.27	<0.27
Iron	NC	NC	NC	21,000	19,200	20,400	20,100	21,800
Lead	450	NC	63	8	13.9	9.5	19.1	41
Magnesium	NC	NC	NC	3,980	2,130	5,530	3,770	2,680
Manganese	2,000	NC	1,600	147	461	378	393	399
Mercury (Total)	0.73	NC	0.18	<0.034	0.042	<0.033	0.042	0.049
Nickel	130	NC	30	11	13.1	14.7	15.3	14.8
Potassium	NC	NC	NC	<1,100	<1,000	1,240	<1,100	<1,100
Selenium	4	NC	3.9	<2.1	<2.0	<2.1	<2.2	<2.3
Silver	8.3	NC	2	<0.54	<0.51	<0.54	<0.54	<0.57
Sodium	NC	NC	NC	<1,100	<1,000	<1,100	<1,100	<1,100
Thallium	NC	NC	NC	<1.1	<1.0	<1.1	<1.1	<1.1
Vanadium	NC	10,000	NC	17	38.5	41.2	43.3	50.9
Zinc	2,480	NC	109	36	43.5	39.2	46.1	61.8

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Natures Choice I-78 Soil 6	Natures Choice I-78 Soil 7	Natures Choice I-78 Soil 8	Natures Choice I-78 Soil 9	Natures Choice I-78 Soil 10
SAMPLE ID:								
LAB ID:				JB19432-6A	JB19432-7A	JB19432-8A	JB19432-9A	JB19432-10A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	10,700	7,290	9,740	11,600	7,030
Antimony	NC	NC	NC	<2.1	<2.1	<2.3	<2.1	<2.2
Arsenic	16	NC	13	4.2	3.4	3.2	3.2	2.8
Barium	400	NC	350	34.8	34.8	54.5	132	38.4
Beryllium	47	NC	7.2	0.61	0.54	0.72	0.79	0.55
Cadmium	7.5	NC	2.5	<0.52	<0.52	<0.57	<0.53	<0.56
Calcium	NC	10,000	NC	14,700	37,800	31,300	3,800	9,480
Chromium (Hexavalent)	19	NC	1	0.44	<0.43	1.1	0.85	<0.43
Chromium (Total)	NC	NC	NC	16.1	12	15.2	14.6	11.8
Cobalt	NC	NC	NC	8	<5.2	<5.7	<5.3	<5.6
Copper	270	NC	50	23.9	14.3	27.3	12.1	14.7
Cyanide (Total)	27	NC	27	<0.23	<0.26	<0.25	<0.24	<0.25
Iron	NC	NC	NC	21,000	14,200	15,100	18,600	15,200
Lead	450	NC	63	13.8	11.6	13.1	30.4	14.3
Magnesium	NC	NC	NC	7,000	21,900	15,500	2,170	5,370
Manganese	2,000	NC	1,600	485	360	360	221	225
Mercury (Total)	0.73	NC	0.18	<0.034	<0.031	<0.035	<0.036	<0.034
Nickel	130	NC	30	20.6	10.8	13.2	11.1	9.3
Potassium	NC	NC	NC	1,300	1,430	1,570	<1,100	<1,100
Selenium	4	NC	3.9	<2.1	<2.1	<2.3	<2.1	<2.2
Silver	8.3	NC	2	<0.52	<0.52	<0.57	<0.53	<0.56
Sodium	NC	NC	NC	<1,000	<1,000	<1,100	<1,100	<1,100
Thallium	NC	NC	NC	<1.0	<1.0	<1.1	<1.1	<1.1
Vanadium	NC	10,000	NC	17.6	18	23.1	26.3	15.8
Zinc	2,480	NC	109	55.1	39.8	48.3	62.6	28.7

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Natures Choice I-78 Soil 11	Natures Choice I-78 Soil 12	Natures Choice I-78 Soil 13	Natures Choice I-78 Soil 14	Natures Choice I-78 Soil 15
SAMPLE ID:								
LAB ID:				JB19432-11A	JB19432-12A	JB19432-13A	JB19432-14A	JB19432-15A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	8,900	9,750	9,700	11,000	12,800
Antimony	NC	NC	NC	<2.1	<2.2	<2.1	<2.2	<2.1
Arsenic	16	NC	13	3.3	3.2	3.4	2.7	2.9
Barium	400	NC	350	48.6	53.2	44.8	45.9	48.1
Beryllium	47	NC	7.2	0.8	0.64	0.75	0.7	0.6
Cadmium	7.5	NC	2.5	<0.52	<0.55	<0.53	<0.56	<0.53
Calcium	NC	10,000	NC	6,340	9,680	12,500	3,960	2,560
Chromium (Hexavalent)	19	NC	1	0.6	<0.44	<0.43	<0.43	<0.44
Chromium (Total)	NC	NC	NC	15.9	16.1	13.7	17.4	20.6
Cobalt	NC	NC	NC	<5.2	6.8	<5.3	6.7	9.4
Copper	270	NC	50	9.8	18.1	13.2	16.6	23.7
Cyanide (Total)	27	NC	27	<0.26	<0.25	<0.24	<0.26	<0.25
Iron	NC	NC	NC	16,500	17,700	16,500	20,200	21,600
Lead	450	NC	63	10.1	19.5	11.9	6.9	19.7
Magnesium	NC	NC	NC	3,780	6,470	7,010	3,220	3,410
Manganese	2,000	NC	1,600	235	286	234	302	421
Mercury (Total)	0.73	NC	0.18	<0.034	0.062	<0.035	<0.035	0.048
Nickel	130	NC	30	10	13.5	12.5	13.6	17.1
Potassium	NC	NC	NC	1,080	1,420	1,140	<1100	<1100
Selenium	4	NC	3.9	<2.1	<2.2	<2.1	<2.2	<2.1
Silver	8.3	NC	2	<0.52	<0.55	<0.53	<0.56	<0.53
Sodium	NC	NC	NC	<1,000	<1,100	<1,100	<1,100	<1,100
Thallium	NC	NC	NC	<1.0	<1.1	<1.1	<1.1	<1.1
Vanadium	NC	10,000	NC	22.4	26.9	17.4	34.5	43.3
Zinc	2,480	NC	109	27.1	41.3	31.9	32.4	57.9

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Natures Choice I-78 Soil 16	Natures Choice I-78 Soil 17	Natures Choice I-78 Soil 18	Natures Choice I-78 Soil 19	Natures Choice I-78 Soil 20
SAMPLE ID:								
LAB ID:				JB19432-16A	JB19432-17A	JB19432-18A	JB19432-19A	JB19432-20A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	8,100	13,400	8,290	11,700	10,400
Antimony	NC	NC	NC	<2.2	<2.2	<2.1	<2.2	<2.1
Arsenic	16	NC	13	2.5	3.2	3.3	3.1	3.5
Barium	400	NC	350	37.5	56.2	43.6	47.1	40.2
Beryllium	47	NC	7.2	0.42	0.64	0.76	0.64	0.77
Cadmium	7.5	NC	2.5	<0.54	<0.55	<0.54	<0.55	<0.53
Calcium	NC	10,000	NC	3,220	2,370	8,580	2,450	17,800
Chromium (Hexavalent)	19	NC	1	<0.43	<0.44	0.6	<0.45	<0.44
Chromium (Total)	NC	NC	NC	11.5	22.7	13.5	20.7	15.1
Cobalt	NC	NC	NC	<5.4	9.3	<5.4	7.7	<5.3
Copper	270	NC	50	11	22.5	9.8	17.9	14.5
Cyanide (Total)	27	NC	27	<0.26	<0.25	<0.25	<0.26	0.26
Iron	NC	NC	NC	13,200	22,300	15,700	20,200	16,700
Lead	450	NC	63	12.6	25.9	10.2	13.8	10.9
Magnesium	NC	NC	NC	2,190	2,750	4,140	2,790	10,400
Manganese	2,000	NC	1,600	144	437	184	358	213
Mercury (Total)	0.73	NC	0.18	<0.033	0.064	<0.033	<0.035	<0.034
Nickel	130	NC	30	9.8	15.4	9.7	14.2	16.4
Potassium	NC	NC	NC	<1100	<1100	1,280	1,150	<1100
Selenium	4	NC	3.9	<2.2	<2.2	<2.1	<2.2	<2.1
Silver	8.3	NC	2	<0.54	<0.55	<0.54	<0.55	<0.53
Sodium	NC	NC	NC	<1,100	<1,100	<1,100	<1,100	<1,100
Thallium	NC	NC	NC	<1.1	<1.1	<1.1	<1.1	<1.1
Vanadium	NC	10,000	NC	18.2	56.3	17.3	42.2	18.6
Zinc	2,480	NC	109	24.7	51.6	30	39.2	29.7

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Natures Choice I-78 Soil 21	Natures Choice I-78 Soil 22	Turnpike Basin 8C IS-1	Turnpike Basin 8C IS-2	Turnpike Basin 8C IS-3
SAMPLE ID:								
LAB ID:				JB19432-21A	JB19432-22A	09383-024	09383-023	09383-027
COLLECTION DATE:				10/16/12	10/16/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	11,500	11,800	227,000	23,900	20,300
Antimony	NC	NC	NC	<2.0	<2.2	<0.295	<0.294	<0.278
Arsenic	16	NC	13	3.7	2.7	5.21	2.67	2.7
Barium	400	NC	350	49	53.4	36.1	46.4	49.8
Beryllium	47	NC	7.2	0.59	0.56	0.899	0.488	0.683
Cadmium	7.5	NC	2.5	<0.51	<0.54	<0.147	<0.147	<0.139
Calcium	NC	10,000	NC	2,040	2,080	57.9	41.5	88.8
Chromium (Hexavalent)	19	NC	1	<0.44	<0.44	NA	NA	NA
Chromium (Total)	NC	NC	NC	22.1	19.1	29.2	14.7	10.5
Cobalt	NC	NC	NC	8.4	9.1	10.7	8	3.48
Copper	270	NC	50	20.8	28.5	5.81	3.92	3.13
Cyanide (Total)	27	NC	27	<0.26	<0.26	<0.763	<0.781	<0.744
Iron	NC	NC	NC	20,400	21,300	22700	11600	11600
Lead	450	NC	63	31.2	14.4	7.31	6.7	4.58
Magnesium	NC	NC	NC	2,720	2,820	398	414	319
Manganese	2,000	NC	1,600	382	400	198	322	48.9
Mercury (Total)	0.73	NC	0.18	0.068	0.038	0.011	<0.00679	<0.00649
Nickel	130	NC	30	13.9	14.3	5.36	4.34	4.51
Potassium	NC	NC	NC	1,050	<1100	332	343	326
Selenium	4	NC	3.9	<2.0	<2.2	<1.18	<1.18	<1.11
Silver	8.3	NC	2	<0.51	<0.54	<0.147	<0.147	<0.139
Sodium	NC	NC	NC	<1,000	<1,100	<29.5	<29.4	<27.8
Thallium	NC	NC	NC	<1.0	<1.1	<0.147	<0.147	<0.139
Vanadium	NC	10,000	NC	47.1	46.9	29.5	19	18.6
Zinc	2,480	NC	109	41.8	40.8	15	13.1	12.5

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Turnpike Basin 8C IS-4	Turnpike Basin 8C IS-5	Turnpike Basin 8C IS-6	Turnpike Basin 8C IS-7	Turnpike Basin 8C IS-8
SAMPLE ID:								
LAB ID:				09383-021	09383-022	09383-025	09383-026	09383-028
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	25,100	20,800	20,800	24,500	27,900
Antimony	NC	NC	NC	<0.300	<0.270	<0.287	<0.286	<0.287
Arsenic	16	NC	13	3.5	1.53	4.13	5.12	1.79
Barium	400	NC	350	53.8	50.2	51	52.3	52.4
Beryllium	47	NC	7.2	0.656	0.51	0.879	1.43	0.538
Cadmium	7.5	NC	2.5	<0.150	<0.135	<0.144	<0.143	<0.143
Calcium	NC	10,000	NC	73.7	48.6	J 58.2	84.3	95.9
Chromium (Hexavalent)	19	NC	1	NA	NA	NA	NA	NA
Chromium (Total)	NC	NC	NC	14.9	8.88	20.5	12.5	11.1
Cobalt	NC	NC	NC	6.12	3.36	5.83	7.68	3.26
Copper	270	NC	50	4.63	3.08	4.02	4.42	5.66
Cyanide (Total)	27	NC	27	<0.761	<0.754	<0.749	<0.756	<0.781
Iron	NC	NC	NC	15400	9430	15600	27700	12100
Lead	450	NC	63	6.54	4.23	6	7.12	5.48
Magnesium	NC	NC	NC	549	458	285	300	705
Manganese	2,000	NC	1,600	103	43.2	73.9	85.6	31.5
Mercury (Total)	0.73	NC	0.18	0.011	J <0.00648	<0.00617	<0.00589	<0.00646
Nickel	130	NC	30	4.88	4.06	4.14	3.99	6.04
Potassium	NC	NC	NC	503	355	264	337	562
Selenium	4	NC	3.9	<1.20	<1.08	<1.15	<1.14	<1.15
Silver	8.3	NC	2	<0.150	<0.135	<0.144	<0.143	<0.143
Sodium	NC	NC	NC	<30.0	<27.0	<28.7	<28.6	<28.7
Thallium	NC	NC	NC	<0.150	<0.135	<0.144	<0.143	<0.143
Vanadium	NC	10,000	NC	24	14.6	23.6	27.2	18.1
Zinc	2,480	NC	109	14.8	11	13.4	17.2	15.9

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Turnpike Basin 8C IS-9	Turnpike Basin 8C IS-10	Turnpike Basin 8C IS-11	Turnpike Basin 8C IS-12	Turnpike Basin 8C IS-13
SAMPLE ID:				09383-029	09383-030	09383-012	09383-011	09383-020
LAB ID:				09383-029	09383-030	09383-012	09383-011	09383-020
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	21,100	15,100	20,600	28,300	21,200
Antimony	NC	NC	NC	<0.284	<0.297	<0.283	<0.284	<0.292
Arsenic	16	NC	13	2.23	0.914	2.34	2.25	1.77
Barium	400	NC	350	43.3	47.2	49.8	91.9	53.5
Beryllium	47	NC	7.2	0.45	0.271	0.45	0.87	0.708
Cadmium	7.5	NC	2.5	<0.142	<0.149	<0.141	<0.142	<0.146
Calcium	NC	10,000	NC	103	63.3	105	112	67.8
Chromium (Hexavalent)	19	NC	1	NA	NA	NA	NA	NA
Chromium (Total)	NC	NC	NC	9.78	6.11	10.1	12.3	11.7
Cobalt	NC	NC	NC	3.8	1.99	3.39	4.89	3.63
Copper	270	NC	50	4.2	1.98	2.6	4.15	3.48
Cyanide (Total)	27	NC	27	<0.759	<0.754	<0.762	<0.770	<0.758
Iron	NC	NC	NC	12000	6320	11800	17100	11500
Lead	450	NC	63	5.94	3.67	4.81	8.55	5.61
Magnesium	NC	NC	NC	416	234	292	351	512
Manganese	2,000	NC	1,600	46	18.1	38.1	55.4	33.2
Mercury (Total)	0.73	NC	0.18	<0.00623	<0.00655	<0.00653	<0.00653	<0.00655
Nickel	130	NC	30	3.77	3.02	4.31	6.97	5.39
Potassium	NC	NC	NC	354	166	250	302	389
Selenium	4	NC	3.9	<1.13	<1.19	<1.13	<1.14	<1.17
Silver	8.3	NC	2	<0.142	<0.149	<0.141	<0.142	<0.146
Sodium	NC	NC	NC	<28.4	<29.7	<28.3	46.5	<29.2
Thallium	NC	NC	NC	<0.142	<0.149	<0.141	<0.142	<0.146
Vanadium	NC	10,000	NC	19.2	10.1	16.1	29	20.7
Zinc	2,480	NC	109	12.5	8.79	12.3	15.2	13.4

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Turnpike Basin 8C IS-14	Turnpike Basin 8C IS-15	Turnpike Basin 8C IS-16	Turnpike Basin 8C IS-17	Turnpike Basin 8C IS-18
SAMPLE ID:				09383-019	09383-018	09383-017	09383-016	09383-015
LAB ID:				09383-019	09383-018	09383-017	09383-016	09383-015
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	22,700	20,600	17,100	19,300	23,600
Antimony	NC	NC	NC	<0.300	<0.284	<0.276	<0.292	<0.307
Arsenic	16	NC	13	2.27	0.98	1.48	3.06	5.97
Barium	400	NC	350	47	81.7	45.9	33.4	46
Beryllium	47	NC	7.2	0.533	0.522	0.661	0.826	1.14
Cadmium	7.5	NC	2.5	<0.150	<0.142	<0.138	<0.146	<0.154
Calcium	NC	10,000	NC	49.9	J 80.3	50.8	J 53.8	J 61.3
Chromium (Hexavalent)	19	NC	1	NA	NA	NA	NA	NA
Chromium (Total)	NC	NC	NC	15.6	6.29	8.12	7.41	15.6
Cobalt	NC	NC	NC	6.89	3.21	4.24	4.24	3.61
Copper	270	NC	50	3.82	2.3	1.83	J 2.45	5.56
Cyanide (Total)	27	NC	27	<0.760	<0.760	<0.745	<0.762	<0.784
Iron	NC	NC	NC	10500	8190	8280	16200	42800
Lead	450	NC	63	6.83	3.9	2.94	4.18	9.57
Magnesium	NC	NC	NC	483	329	263	224	172
Manganese	2,000	NC	1,600	54.9	54.6	98.7	43.4	36.7
Mercury (Total)	0.73	NC	0.18	0.018	<0.00629	<0.00642	<0.00654	<0.00665
Nickel	130	NC	30	5.01	3.34	3.96	1.45	1.42
Potassium	NC	NC	NC	323	211	218	252	244
Selenium	4	NC	3.9	<1.20	<1.14	<1.10	<1.17	<0.123
Silver	8.3	NC	2	<0.150	<0.142	<0.138	<0.146	<0.154
Sodium	NC	NC	NC	<30.0	<28.4	<27.4	<29.2	<30.7
Thallium	NC	NC	NC	<0.150	<0.142	<0.138	<0.146	<0.154
Vanadium	NC	10,000	NC	19.4	11.9	13	19.2	36.7
Zinc	2,480	NC	109	11.2	12.2	15.1	11.6	16.4

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Turnpike Basin 8C IS-19	Turnpike Basin 8C IS-20	Turnpike Basin 8C IS-21	Turnpike Basin 8C IS-22	Turnpike Basin 8C IS-23
SAMPLE ID:								
LAB ID:				09383-014	09383-013	09383-010	09383-004	09383-005
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	19,700	23,300	28,700	23,900	23,300
Antimony	NC	NC	NC	<0.299	<0.284	<0.297	<0.276	<0.291
Arsenic	16	NC	13	1.7	3.03	2.46	2.05	2.53
Barium	400	NC	350	42.4	57.4	68.7	58.2	50
Beryllium	47	NC	7.2	0.362	0.697	0.629	0.716	0.709
Cadmium	7.5	NC	2.5	<0.149	<0.142	<0.149	<0.138	<0.146
Calcium	NC	10,000	NC	84.7	123	83.6	92.5	89.6
Chromium (Hexavalent)	19	NC	1	NA	NA	NA	NA	NA
Chromium (Total)	NC	NC	NC	7.94	10.7	9.65	11.4	12.7
Cobalt	NC	NC	NC	2.2	5.2	3.6	7.44	4.33
Copper	270	NC	50	2.43	4.42	2.24	4.18	5.06
Cyanide (Total)	27	NC	27	<0.759	<0.774	<0.760	<0.763	<0.777
Iron	NC	NC	NC	8870	16100	13100	11200	13000
Lead	450	NC	63	5.16	7.57	7.69	6.6	6.74
Magnesium	NC	NC	NC	248	365	329	643	681
Manganese	2,000	NC	1,600	25.2	47.7	26.2	140	49.3
Mercury (Total)	0.73	NC	0.18	<0.00648	<0.00666	<0.00617	0.0069	0.015
Nickel	130	NC	30	2.71	4.84	6.28	6.13	6.5
Potassium	NC	NC	NC	219	385	297	506	558
Selenium	4	NC	3.9	<1.19	<1.14	<1.19	<1.10	<1.17
Silver	8.3	NC	2	<0.149	<0.142	<0.149	<0.138	<0.146
Sodium	NC	NC	NC	<29.9	<28.4	45	29.7	<29.1
Thallium	NC	NC	NC	<0.149	<0.142	<0.149	<0.138	<0.146
Vanadium	NC	10,000	NC	13.9	20.7	21.9	19.8	22.3
Zinc	2,480	NC	109	10.1	14.5	15	13.1	13.8

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Turnpike Basin 8C IS-24	Turnpike Basin 8C IS-25	Turnpike Basin 8C IS-26	Turnpike Basin 8C IS-27	Turnpike Basin 8C IS-28
SAMPLE ID:								
LAB ID:				09383-006	09383-007	09383-008	09383-009	09383-001
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	23,200	19,600	20,700	19,000	22,600
Antimony	NC	NC	NC	<0.289	<0.292	<0.281	<0.279	<0.275
Arsenic	16	NC	13	2.45	1.96	3.69	1.35	2.03
Barium	400	NC	350	48.9	55.8	37.7	48.4	70
Beryllium	47	NC	7.2	0.74	0.605	0.73	0.48	0.616
Cadmium	7.5	NC	2.5	<0.143	<0.146	<0.140	<0.139	<0.138
Calcium	NC	10,000	NC	73.6	35.6	J 60.1	46.5	J 62.6
Chromium (Hexavalent)	19	NC	1	NA	NA	NA	NA	NA
Chromium (Total)	NC	NC	NC	13.3	9.99	13.7	5.45	9.58
Cobalt	NC	NC	NC	18	3.39	4.57	2.29	5.22
Copper	270	NC	50	5.16	2.69	4.16	1.55	J 2.44
Cyanide (Total)	27	NC	27	<0.762	<0.753	<0.747	<0.752	<0.767
Iron	NC	NC	NC	14300	9800	15200	6970	10100
Lead	450	NC	63	11.4	3.76	11.4	4.28	4.68
Magnesium	NC	NC	NC	517	310	311	213	341
Manganese	2,000	NC	1,600	240	76.4	73.1	14.7	87.9
Mercury (Total)	0.73	NC	0.18	<0.00635	<0.00648	<0.006	<0.00642	<0.0066
Nickel	130	NC	30	5.15	3.6	4.37	3.16	4.35
Potassium	NC	NC	NC	466	241	255	228	290
Selenium	4	NC	3.9	<1.14	<1.17	<1.12	<1.11	<1.10
Silver	8.3	NC	2	<0.143	<0.146	<0.140	<0.139	<0.138
Sodium	NC	NC	NC	31.9	J 34.6	J <28.1	30.9	J <27.5
Thallium	NC	NC	NC	<0.143	<0.146	<0.140	<0.139	<0.138
Vanadium	NC	10,000	NC	25.4	13.7	22.9	10.6	13.8
Zinc	2,480	NC	109	13.7	12.6	13	10.5	12.3

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Turnpike Basin 8C IS-29	Turnpike Basin 8C IS-30	Bayonne FD-1	Bayonne FD-2	Bayonne FD-3
SAMPLE ID:								
LAB ID:				09383-002	09383-003	JB33052-1A	JB33052-2A	JB33052-3A
COLLECTION DATE:				9/17/12	9/17/12	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	18,300	27,000	1,080	1,270	1,330
Antimony	NC	NC	NC	<0.291	<0.313	<2.0	<2.0	<2.1
Arsenic	16	NC	13	1.61	5.78	<2.0	<2.0	<2.1
Barium	400	NC	350	41.9	84	<20	<20	<21
Beryllium	47	NC	7.2	0.568	0.752	<0.20	<0.20	<0.21
Cadmium	7.5	NC	2.5	<0.145	<0.156	<0.51	<0.51	<0.52
Calcium	NC	10,000	NC	<29.1	296	1,640	1,680	3,090
Chromium (Hexavalent)	19	NC	1	NA	NA	3.8	4	4.3
Chromium (Total)	NC	NC	NC	11.3	23.8	<0.40	<0.42	<0.42
Cobalt	NC	NC	NC	4.37	5.04	<5.1	<5.1	<5.2
Copper	270	NC	50	3.23	8.09	<2.5	<2.5	<2.6
Cyanide (Total)	27	NC	27	<0.758	<0.795	<0.25	<0.25	<0.25
Iron	NC	NC	NC	9,950	20,900	2,170	2,430	2,850
Lead	450	NC	63	5.09	10.7	3.3	2.5	2.2
Magnesium	NC	NC	NC	372	951	522	583	635
Manganese	2,000	NC	1,600	66.4	62.5	35.9	33.8	37.1
Mercury (Total)	0.73	NC	0.18	<0.00611	0.045	<0.033	<0.031	<0.034
Nickel	130	NC	30	3.89	8.42	<4.1	<4.1	<4.1
Potassium	NC	NC	NC	281	799	<1000	<1000	<1000
Selenium	4	NC	3.9	<1.16	<1.25	<2.0	<2.0	<2.1
Silver	8.3	NC	2	<0.145	<0.125	<0.51	<0.51	<0.52
Sodium	NC	NC	NC	33.5	39.5	<1000	<1000	<1000
Thallium	NC	NC	NC	<0.145	<0.156	<1.0	<1.0	<1.0
Vanadium	NC	10,000	NC	17.7	37.3	<5.1	<5.1	<5.2
Zinc	2,480	NC	109	11.9	20.8	8.5	7.2	8

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayonne FD-4	Bayonne FD-5	Bayonne FD-6	Bayonne FD-7	Bayonne FD-8
SAMPLE ID:								
LAB ID:				JB33052-4A	JB33052-5A	JB33052-6A	JB33052-7A	JB33052-8A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	1,190	1,270	1,240	1,260	1,280
Antimony	NC	NC	NC	<2.1	<2.0	<2.1	<2.0	<2.1
Arsenic	16	NC	13	<2.1	<2.0	<2.1	<2.0	<2.1
Barium	400	NC	350	<21	<20	<21	<20	<21
Beryllium	47	NC	7.2	<0.21	<0.20	<0.21	<0.20	<0.21
Cadmium	7.5	NC	2.5	<0.53	<0.51	<0.53	<0.51	<0.51
Calcium	NC	10,000	NC	2,090	1,570	1,530	3,370	1,440
Chromium (Hexavalent)	19	NC	1	4.4	4.6	3.6	3.7	4.6
Chromium (Total)	NC	NC	NC	<0.42	<0.42	<0.42	<0.42	<0.42
Cobalt	NC	NC	NC	<5.3	<5.1	<5.3	<5.1	<5.1
Copper	270	NC	50	<2.6	<2.5	<2.7	<2.5	<2.6
Cyanide (Total)	27	NC	27	<0.25	<0.26	<0.25	<0.25	<0.26
Iron	NC	NC	NC	2,430	2,570	2,390	2,390	2,570
Lead	450	NC	63	3.7	3.7	<2.1	2.1	3.8
Magnesium	NC	NC	NC	589	617	608	557	610
Manganese	2,000	NC	1,600	43.1	42.7	32	34	41.9
Mercury (Total)	0.73	NC	0.18	<0.033	<0.034	<0.035	<0.033	<0.033
Nickel	130	NC	30	<4.2	<4.1	<4.3	<4.1	<4.1
Potassium	NC	NC	NC	<1100	<1000	<1100	<1000	<1000
Selenium	4	NC	3.9	<2.1	<2.0	<2.1	<2.0	<2.1
Silver	8.3	NC	2	<0.53	<0.51	<0.53	<0.51	<0.51
Sodium	NC	NC	NC	<1100	<1000	<1100	<1000	<1000
Thallium	NC	NC	NC	<1.1	<1.0	<1.1	<1.0	<1.0
Vanadium	NC	10,000	NC	<5.3	<5.1	<5.3	<5.1	<5.1
Zinc	2,480	NC	109	11.1	11	8.9	6.8	10.6

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayonne FD-9	Bayonne FD-10	Bayonne FD-11	Bayonne FD-12	Bayonne FD-13
SAMPLE ID:								
LAB ID:				JB33052-9A	JB33052-10A	JB33052-11A	JB33052-12A	JB33052-13A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	1,370	1,160	1,240	1,220	1,260
Antimony	NC	NC	NC	<2.1	<2.1	<2.1	<2.1	<2.1
Arsenic	16	NC	13	<2.1	<2.1	<2.1	<2.1	<2.1
Barium	400	NC	350	<21	<21	<21	<21	<21
Beryllium	47	NC	7.2	<0.21	<0.21	<0.21	<0.21	<0.21
Cadmium	7.5	NC	2.5	<0.53	<0.53	<0.54	<0.52	<0.52
Calcium	NC	10,000	NC	4,830	566	1,360	5,830	2,100
Chromium (Hexavalent)	19	NC	1	3.5	4.1	3.9	3.9	4.1
Chromium (Total)	NC	NC	NC	<0.42	<0.41	<0.42	<0.42	<0.42
Cobalt	NC	NC	NC	<5.3	<5.3	<5.4	<5.2	<5.2
Copper	270	NC	50	<2.6	<2.6	<2.7	<2.6	<2.6
Cyanide (Total)	27	NC	27	<0.25	<0.25	<0.25	<0.25	<0.26
Iron	NC	NC	NC	2,750	2,340	2,430	2,320	2,400
Lead	450	NC	63	2.7	2.2	2.2	2.1	2.4
Magnesium	NC	NC	NC	612	<530	584	552	592
Manganese	2,000	NC	1,600	36.3	30.4	33.3	30.3	34.7
Mercury (Total)	0.73	NC	0.18	<0.032	<0.033	<0.031	<0.031	<0.035
Nickel	130	NC	30	<4.2	<4.2	<4.3	<4.1	<4.1
Potassium	NC	NC	NC	<1100	<1100	<1100	<1000	<1000
Selenium	4	NC	3.9	<2.1	<2.1	<2.1	<2.1	<2.1
Silver	8.3	NC	2	<0.53	<0.53	<0.54	<0.52	<0.52
Sodium	NC	NC	NC	<1100	<1100	<1100	<1000	<1000
Thallium	NC	NC	NC	<1.1	<1.1	<1.1	<1.0	<1.0
Vanadium	NC	10,000	NC	<5.3	<5.3	<5.4	<5.2	<5.2
Zinc	2,480	NC	109	7.3	7.2	7.2	6.7	7.6

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayonne FD-14	Bayonne FD-15	Bayonne FD-16	Bayonne FD-17	Bayonne FD-18
SAMPLE ID:								
LAB ID:				JB33052-14A	JB33052-15A	JB33052-16A	JB33052-17A	JB33052-18A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	1,290	1,360	1,320	1,510	1,190
Antimony	NC	NC	NC	<2.2	<2.1	<2.1	<2.2	<2.0
Arsenic	16	NC	13	<2.2	<2.1	<2.1	<2.2	<2.0
Barium	400	NC	350	<22	<21	<21	<22	<20
Beryllium	47	NC	7.2	<0.22	<0.21	<0.21	<0.22	<0.20
Cadmium	7.5	NC	2.5	<0.54	<0.53	<0.52	<0.56	<0.51
Calcium	NC	10,000	NC	2,200	1,520	3,100	3,690	1,880
Chromium (Hexavalent)	19	NC	1	4.9	4	4	5.1	3.5
Chromium (Total)	NC	NC	NC	<0.43	0.53	<0.42	<0.43	0.76
Cobalt	NC	NC	NC	<5.4	<5.3	<5.2	<5.6	<5.1
Copper	270	NC	50	<2.7	<2.7	<2.6	<2.8	<2.5
Cyanide (Total)	27	NC	27	<0.26	<0.25	<0.25	<0.26	<0.26
Iron	NC	NC	NC	2,720	3,040	2,300	3,140	2,330
Lead	450	NC	63	5	2.5	<2.1	6.2	2.4
Magnesium	NC	NC	NC	631	684	626	721	574
Manganese	2,000	NC	1,600	46.9	38.7	32.1	54.8	30
Mercury (Total)	0.73	NC	0.18	0.039	<0.034	<0.035	<0.033	<0.031
Nickel	130	NC	30	<4.3	<4.3	<4.1	<4.5	<4.1
Potassium	NC	NC	NC	<1100	<1100	<1000	<1100	<1000
Selenium	4	NC	3.9	<2.2	<2.1	<2.1	<2.2	<2.0
Silver	8.3	NC	2	<0.54	<0.53	<0.52	<0.56	<0.51
Sodium	NC	NC	NC	<1100	<1100	<1000	<1100	<1000
Thallium	NC	NC	NC	<1.1	<1.1	<1.0	<1.1	<1.0
Vanadium	NC	10,000	NC	<5.4	<5.3	<5.2	<5.6	<5.1
Zinc	2,480	NC	109	11.9	9	6.8	12.8	6.9

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayonne FD-19	Bayonne FD-20	Bayonne FD-21	Bayonne FD-22	Bayonne FD-DUP1
SAMPLE ID:								
LAB ID:				JB33052-19A	JB33052-20A	JB33052-21A	JB33052-22A	JB33052-23A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aluminum	NC	10,000	NC	1,130	1,210	1,220	1,320	1,190
Antimony	NC	NC	NC	<2.2	<2.1	<2.2	<2.1	<2.1
Arsenic	16	NC	13	<2.2	2.5	<2.2	<2.1	<2.1
Barium	400	NC	350	<22	<21	<22	<21	<21
Beryllium	47	NC	7.2	<0.22	<0.21	<0.22	<0.21	<0.21
Cadmium	7.5	NC	2.5	<0.54	<0.53	<0.54	<0.53	<0.53
Calcium	NC	10,000	NC	1,980	3,950	12,700	14,200	6,070
Chromium (Hexavalent)	19	NC	1	4.4	4.2	4.8	5.7	3.8
Chromium (Total)	NC	NC	NC	<0.42	<0.42	<0.43	<0.42	<0.42
Cobalt	NC	NC	NC	<5.4	<5.3	<5.4	<5.3	<5.3
Copper	270	NC	50	<2.7	<2.6	4.7	<2.6	5.7
Cyanide (Total)	27	NC	27	<0.25	<0.25	<0.26	<0.25	<0.25
Iron	NC	NC	NC	2,360	2,400	2,670	2,800	2,370
Lead	450	NC	63	3.9	3.1	10.2	4.6	2.2
Magnesium	NC	NC	NC	558	586	624	688	590
Manganese	2,000	NC	1,600	42.7	37.2	43.8	48.6	33.5
Mercury (Total)	0.73	NC	0.18	<0.032	<0.033	<0.035	<0.032	<0.033
Nickel	130	NC	30	<4.3	<4.2	<4.4	<4.2	<4.2
Potassium	NC	NC	NC	<1100	<1100	<1100	<1100	<1100
Selenium	4	NC	3.9	<2.2	<2.1	<2.2	<2.1	<2.1
Silver	8.3	NC	2	<0.54	<0.53	<0.54	<0.53	<0.53
Sodium	NC	NC	NC	<1100	<1100	<1100	<1100	<1100
Thallium	NC	NC	NC	<1.1	<1.1	<1.1	<1.1	<1.1
Vanadium	NC	10,000	NC	<5.4	<5.3	<5.4	<5.3	<5.3
Zinc	2,480	NC	109	10.6	8.9	9.9	11.4	6.3

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR METALS AND CYANIDE

				Bayonne FD-DUP2	
				SAMPLE ID:	
				LAB ID: JB33052-24A	
				COLLECTION DATE: 4/2/13	
				SAMPLE MATRIX: Soil	
				UNITS: mg/kg	
METALS AND CYANIDE (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	
Aluminum	NC	10,000	NC	1,400	
Antimony	NC	NC	NC	<2.1	
Arsenic	16	NC	13	<2.1	
Barium	400	NC	350	<21	
Beryllium	47	NC	7.2	<0.21	
Cadmium	7.5	NC	2.5	<0.52	
Calcium	NC	10,000	NC	1,680	
Chromium (Hexavalent)	19	NC	1	4	
Chromium (Total)	NC	NC	NC	<0.42	
Cobalt	NC	NC	NC	<5.2	
Copper	270	NC	50	<2.6	
Cyanide (Total)	27	NC	27	<0.25	
Iron	NC	NC	NC	3,650	
Lead	450	NC	63	2.4	
Magnesium	NC	NC	NC	728	
Manganese	2,000	NC	1,600	40.2	
Mercury (Total)	0.73	NC	0.18	<0.034	
Nickel	130	NC	30	<4.1	
Potassium	NC	NC	NC	<1000	
Selenium	4	NC	3.9	<2.1	
Silver	8.3	NC	2	<0.52	
Sodium	NC	NC	NC	<1000	
Thallium	NC	NC	NC	<1.0	
Vanadium	NC	10,000	NC	<5.2	
Zinc	2,480	NC	109	8.6	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Weldon Fanwood Screening	Weldon Fanwood Select Fill	Allocco	Tilcon New York, Inc	Amboy Aggregates Sand
SAMPLE ID:								
LAB ID:				JB15010-1A	JB15010-2A	1012806-01	07616-001	E11-12558-001
COLLECTION DATE:				8/29/12	8/29/12	1/24/11	8/3/12	12/16/11
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1221	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1232	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1242	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1248	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1254	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1260	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1262	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1268	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Total PCBs	1	NC	NC	<0.31	<0.34	NA	<0.01512	<0.01458

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Amboy Aggregates Sand 1	Amboy Aggregates Sand 2	Bayshore Screening Pile - Soil 1	Bayshore Screening Pile - Soil 2	Bayshore Screening Pile - Soil 3
SAMPLE ID:								
LAB ID:				JB19430-1A	JB19430-2A	JB19431-1A	JB19431-2A	JB19431-3A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	<0.035	<0.033	ND (0.0087)	ND (0.010)	ND (0.010)
Aroclor 1221	NC	NC	NC	<0.035	<0.033	ND (0.020)	ND (0.024)	ND (0.023)
Aroclor 1232	NC	NC	NC	<0.035	<0.033	ND (0.017)	ND (0.020)	ND (0.020)
Aroclor 1242	NC	NC	NC	<0.035	<0.033	ND (0.011)	ND (0.012)	ND (0.012)
Aroclor 1248	NC	NC	NC	<0.035	<0.033	ND (0.010)	ND (0.012)	ND (0.012)
Aroclor 1254	NC	NC	NC	<0.035	<0.033	ND (0.016)	ND (0.018)	ND (0.018)
Aroclor 1260	NC	NC	NC	<0.035	<0.033	ND (0.011)	ND (0.013)	ND (0.013)
Aroclor 1262	NC	NC	NC	<0.035	<0.033	ND (0.011)	ND (0.012)	ND (0.012)
Aroclor 1268	NC	NC	NC	<0.035	<0.033	ND (0.0098)	ND (0.011)	ND (0.011)
Total PCBs	1	NC	NC	<0.035	<0.033	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayshore Screening Pile - Soil 4	Bayshore Screening Pile - Soil 5	Bayshore Screening Pile - Soil 6	Bayshore Screening Pile - Soil 7	Bayshore Screening Pile - Soil 8
SAMPLE ID:								
LAB ID:				JB19431-4A	JB19431-5A	JB19431-6A	JB19431-7A	JB19431-8A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0099)	ND (0.010)	ND (0.010)	ND (0.0099)	ND (0.010)
Aroclor 1221	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.024)
Aroclor 1232	NC	NC	NC	ND (0.019)	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.020)
Aroclor 1242	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.013)
Aroclor 1248	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor 1254	NC	NC	NC	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Aroclor 1260	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.013)
Aroclor 1262	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.013)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayshore Screening Pile - Soil 9	Bayshore Screening Pile - Soil 10	Bayshore Screening Pile - Soil 11	Bayshore Screening Pile - Soil 12	Bayshore Screening Pile - Soil 13
SAMPLE ID:								
LAB ID:				JB19431-9A	JB19431-10A	JB19431-11A	JB19431-12A	JB19431-13A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0090)	ND (0.0095)	ND (0.0099)	ND (0.0094)	ND (0.0091)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.018)	ND (0.017)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayshore Screening Pile - Soil 14	Bayshore Screening Pile - Soil 15	Former Raritan Arsenal Fill - Soil 1	Former Raritan Arsenal Fill - Soil 2	Former Raritan Arsenal Fill - Soil 3
SAMPLE ID:								
LAB ID:				JB19431-14A	JB19431-15A	JB19112-1A	JB19112-2A	JB19112-3A
COLLECTION DATE:				10/16/12	10/16/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0098)	ND (0.0092)	ND (0.0098)	ND (0.0089)	ND (0.0086)
Aroclor 1221	NC	NC	NC	ND (0.023)	ND (0.021)	ND (0.023)	ND (0.021)	ND (0.020)
Aroclor 1232	NC	NC	NC	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.017)	ND (0.017)
Aroclor 1242	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)
Aroclor 1254	NC	NC	NC	ND (0.018)	ND (0.017)	ND (0.018)	0.056	ND (0.015)
Aroclor 1260	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.0097)
Total PCBs	1	NC	NC	ND	ND	ND	0.056	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Former Raritan Arsenal Fill - Soil 4	Former Raritan Arsenal Fill - Soil 5	Former Raritan Arsenal Fill - Soil 6	Former Raritan Arsenal Fill - Soil 7	Former Raritan Arsenal Fill - Soil 8
SAMPLE ID:								
LAB ID:				JB19112-4A	JB19112-5A	JB19112-6A	JB19112-7A	JB19112-8A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0090)	ND (0.0096)	ND (0.0087)	ND (0.0086)	ND (0.0080)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.022)	ND (0.020)	ND (0.020)	ND (0.019)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.019)	ND (0.017)	ND (0.017)	ND (0.016)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.010)	ND (0.0098)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.0094)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.015)	ND (0.014)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.010)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.010)	ND (0.0098)
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.0098)	ND (0.0097)	ND (0.0091)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Former Raritan Arsenal Fill - Soil 9	Former Raritan Arsenal Fill - Soil 10	Former Raritan Arsenal Fill - Soil 11	Former Raritan Arsenal Fill - Soil 12	Former Raritan Arsenal Fill - Soil 13
SAMPLE ID:								
LAB ID:				JB19112-9A	JB19112-10A	JB19112-11A	JB19112-12A	JB19112-13A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0088)	ND (0.0083)	ND (0.0097)	ND (0.0081)	ND (0.0093)
Aroclor 1221	NC	NC	NC	ND (0.020)	ND (0.019)	ND (0.022)	ND (0.019)	ND (0.022)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.019)	ND (0.016)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.012)	ND (0.0099)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.0098)	ND (0.011)	ND (0.0095)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.017)	ND (0.015)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.010)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.012)	ND (0.0099)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.0094)	ND (0.011)	ND (0.0091)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Former Raritan Arsenal Fill - Soil 14	Former Raritan Arsenal Fill - Soil 15	Former Raritan Arsenal Fill - Soil 16	Former Raritan Arsenal Fill - Soil 17	Former Raritan Arsenal Fill - Soil 18
SAMPLE ID:								
LAB ID:				JB19112-14A	JB19112-15A	JB19112-16A	JB19112-17A	JB19112-18A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0082)	ND (0.0088)	ND (0.0089)	ND (0.0087)	ND (0.0093)
Aroclor 1221	NC	NC	NC	ND (0.019)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.0095)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.0092)	ND (0.0099)	ND (0.010)	ND (0.0098)	ND (0.010)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Former Raritan Arsenal Fill - Soil 19	Liberty Stone I-78 Soil 1	Liberty Stone I-78 Soil 2	Liberty Stone I-78 Soil 3	Liberty Stone I-78 Soil 4
SAMPLE ID:				JB19112-19A	JB18892-1A	JB18892-2A	JB18892-3A	JB18892-4A
LAB ID:				10/12/12	10/10/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
UNITS:								
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0089)	ND (0.0098)	ND (0.0096)	ND (0.0091)	ND (0.0094)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.022)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.018)	ND (0.017)	ND (0.016)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Liberty Stone I-78 Soil 5	Liberty Stone I-78 Soil 6	Liberty Stone I-78 Soil 7	Liberty Stone I-78 Soil 8	Liberty Stone I-78 Soil 9
SAMPLE ID:								
LAB ID:				JB18892-5A	JB18892-6A	JB18892-7A	JB18892-8A	JB18892-9A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0094)	ND (0.0085)	ND (0.0093)	ND (0.0086)	ND (0.0087)
Aroclor 1221	NC	NC	NC	ND (0.022)	ND (0.020)	ND (0.022)	ND (0.020)	ND (0.020)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.017)	ND (0.017)
Aroclor 1242	NC	NC	NC	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.0099)	ND (0.011)	ND (0.010)	ND (0.010)
Aroclor 1254	NC	NC	NC	ND (0.017)	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.0096)	ND (0.011)	ND (0.0097)	ND (0.0098)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Liberty Stone I-78 Soil 10	Liberty Stone I-78 Soil 11	Liberty Stone I-78 Soil 12	Liberty Stone I-78 Soil 13	Liberty Stone I-78 Soil 14
SAMPLE ID:								
LAB ID:				JB18892-10A	JB18892-11A	JB18892-12A	JB18892-13A	JB18892-14A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0094)	ND (0.0086)	ND (0.0092)	ND (0.0093)	ND (0.0093)
Aroclor 1221	NC	NC	NC	ND (0.022)	ND (0.020)	ND (0.021)	ND (0.022)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.0097)	ND (0.010)	ND (0.011)	ND (0.010)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Liberty Stone I-78 Soil 15	Liberty Stone I-78 Soil 16	Liberty Stone I-78 Soil 17	Liberty Stone I-78 Soil 18	Liberty Stone I-78 Soil 19
SAMPLE ID:								
LAB ID:				JB18892-15A	JB18892-16A	JB18892-17A	JB18892-18A	JB18892-19A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0093)	ND (0.0085)	ND (0.0083)	ND (0.0095)	ND (0.0088)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.019)	ND (0.022)	ND (0.020)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.016)	ND (0.016)	ND (0.019)	ND (0.017)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.012)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.0099)	ND (0.0097)	ND (0.011)	ND (0.010)
Aroclor 1254	NC	NC	NC	ND (0.017)	ND (0.015)	ND (0.015)	ND (0.017)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.012)	0.354	ND (0.010)	ND (0.012)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.012)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.0096)	ND (0.0094)	ND (0.011)	ND (0.010)
Total PCBs	1	NC	NC	ND	0.354	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Natures Choice I-78 Soil 1	Natures Choice I-78 Soil 2	Natures Choice I-78 Soil 3	Natures Choice I-78 Soil 4	Natures Choice I-78 Soil 5
SAMPLE ID:								
LAB ID:				JB19432-1A	JB19432-2A	JB19432-3A	JB19432-4A	JB19432-5A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0088)	ND (0.0093)	ND (0.0095)	ND (0.0093)	ND (0.0093)
Aroclor 1221	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.022)	ND (0.022)	ND (0.022)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.018)	ND (0.019)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.011)	0.048	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.0099)	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Total PCBs	1	NC	NC	ND	0.048	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Natures Choice I-78 Soil 6	Natures Choice I-78 Soil 7	Natures Choice I-78 Soil 8	Natures Choice I-78 Soil 9	Natures Choice I-78 Soil 10
SAMPLE ID:								
LAB ID:				JB19432-6A	JB19432-7A	JB19432-8A	JB19432-9A	JB19432-10A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0088)	ND (0.0092)	ND (0.0093)	ND (0.0095)	ND (0.0091)
Aroclor 1221	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.022)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.016)
Aroclor 1260	NC	NC	NC	0.134	ND (0.012)	ND (0.012)	ND (0.012)	0.0634
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.0099)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.010)
Total PCBs	1	NC	NC	0.134	ND	ND	ND	0.0634

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Natures Choice I-78 Soil 11	Natures Choice I-78 Soil 12	Natures Choice I-78 Soil 13	Natures Choice I-78 Soil 14	Natures Choice I-78 Soil 15
SAMPLE ID:								
LAB ID:				JB19432-11A	JB19432-12A	JB19432-13A	JB19432-14A	JB19432-15A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0093)	ND (0.0090)	ND (0.0089)	ND (0.0092)	ND (0.0092)
Aroclor 1221	NC	NC	NC	ND (0.022)	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.012)	ND (0.011)	0.0687	ND (0.012)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)
Total PCBs	1	NC	NC	ND	ND	0.0687	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Natures Choice I-78 Soil 16	Natures Choice I-78 Soil 17	Natures Choice I-78 Soil 18	Natures Choice I-78 Soil 19	Natures Choice I-78 Soil 20
SAMPLE ID:								
LAB ID:				JB19432-16A	JB19432-17A	JB19432-18A	JB19432-19A	JB19432-20A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0091)	ND (0.0093)	ND (0.0092)	ND (0.0093)	ND (0.0094)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.022)	ND (0.022)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Natures Choice I-78 Soil 21	Natures Choice I-78 Soil 22	Turnpike Basin 8C IS-1	Turnpike Basin 8C IS-2	Turnpike Basin 8C IS-3
SAMPLE ID:								
LAB ID:				JB19432-21A	JB19432-22A	09383-024	09383-023	09383-027
COLLECTION DATE:				10/16/12	10/16/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0094)	ND (0.0096)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1221	NC	NC	NC	ND (0.022)	ND (0.022)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.019)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1254	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1260	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Turnpike Basin 8C IS-4	Turnpike Basin 8C IS-5	Turnpike Basin 8C IS-6	Turnpike Basin 8C IS-7	Turnpike Basin 8C IS-8
SAMPLE ID:								
LAB ID:				09383-021	09383-022	09383-025	09383-026	09383-028
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1221	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1232	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1242	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1248	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1254	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1260	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1262	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1268	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Turnpike Basin 8C IS-9	Turnpike Basin 8C IS-10	Turnpike Basin 8C IS-11	Turnpike Basin 8C IS-12	Turnpike Basin 8C IS-13
SAMPLE ID:								
LAB ID:				09383-029	09383-030	09383-012	09383-011	09383-020
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1221	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1232	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1242	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1248	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1254	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1260	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1262	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1268	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Turnpike Basin 8C IS-14	Turnpike Basin 8C IS-15	Turnpike Basin 8C IS-16	Turnpike Basin 8C IS-17	Turnpike Basin 8C IS-18
SAMPLE ID:								
LAB ID:				09383-019	09383-018	09383-017	09383-016	09383-015
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1221	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1232	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1242	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1248	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1254	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1260	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1262	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1268	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Turnpike Basin 8C IS-19	Turnpike Basin 8C IS-20	Turnpike Basin 8C IS-21	Turnpike Basin 8C IS-22	Turnpike Basin 8C IS-23
SAMPLE ID:								
LAB ID:				09383-014	09383-013	09383-010	09383-004	09383-005
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1221	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1232	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1242	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1248	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1254	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1260	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1262	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1268	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Turnpike Basin 8C IS-24	Turnpike Basin 8C IS-25	Turnpike Basin 8C IS-26	Turnpike Basin 8C IS-27	Turnpike Basin 8C IS-28
SAMPLE ID:								
LAB ID:				09383-006	09383-007	09383-008	09383-009	09383-001
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1221	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1232	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1242	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1248	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1254	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1260	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1262	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1268	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above crieteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Turnpike Basin 8C IS-29	Turnpike Basin 8C IS-30	Bayonne FD-1	Bayonne FD-2	Bayonne FD-3
SAMPLE ID:								
LAB ID:				09383-002	09383-003	JB33052-1A	JB33052-2A	JB33052-3A
COLLECTION DATE:				9/17/12	9/17/12	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.0085)	ND (0.0085)	ND (0.0087)
Aroclor 1221	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.020)	ND (0.020)	ND (0.020)
Aroclor 1232	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.017)	ND (0.017)	ND (0.017)
Aroclor 1242	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.010)	ND (0.010)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.0099)	ND (0.010)	ND (0.010)
Aroclor 1254	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.015)	ND (0.015)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.0096)	ND (0.0097)	ND (0.0098)
Aroclor 1268	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.010)	ND (0.010)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayonne FD-4	Bayonne FD-5	Bayonne FD-6	Bayonne FD-7	Bayonne FD-8
SAMPLE ID:								
LAB ID:				JB33052-4A	JB33052-5A	JB33052-6A	JB33052-7A	JB33052-8A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0089)	ND (0.0088)	ND (0.0090)	ND (0.0082)	ND (0.0089)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.019)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.017)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0096)	ND (0.010)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0093)	ND (0.010)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayonne FD-9	Bayonne FD-10	Bayonne FD-11	Bayonne FD-12	Bayonne FD-13
SAMPLE ID:								
LAB ID:				JB33052-9A	JB33052-10A	JB33052-11A	JB33052-12A	JB33052-13A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0090)	ND (0.0086)	ND (0.0083)	ND (0.0084)	ND (0.0089)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.017)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0098)	ND (0.0099)	ND (0.010)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.010)	ND (0.0098)	ND (0.0094)	ND (0.0096)	ND (0.010)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayonne FD-14	Bayonne FD-15	Bayonne FD-16	Bayonne FD-17	Bayonne FD-18
SAMPLE ID:								
LAB ID:				JB33052-14A	JB33052-15A	JB33052-16A	JB33052-17A	JB33052-18A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0090)	ND (0.0087)	ND (0.0086)	ND (0.0087)	ND (0.0090)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.010)	ND (0.0099)	ND (0.0097)	ND (0.0099)	ND (0.010)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayonne FD-19	Bayonne FD-20	Bayonne FD-21	Bayonne FD-22	Bayonne FD-DUP1
SAMPLE ID:								
LAB ID:				JB33052-19A	JB33052-20A	JB33052-21A	JB33052-22A	JB33052-23A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0084)	ND (0.0089)	ND (0.0091)	ND (0.0090)	ND (0.0089)
Aroclor 1221	NC	NC	NC	ND (0.019)	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.018)	ND (0.017)	ND (0.017)
Aroclor 1242	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.0098)	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.010)
Aroclor 1254	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.0095)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayonne FD-DUP2	
				SAMPLE ID:	
				LAB ID: JB33052-24A	
				COLLECTION DATE: 4/2/13	
				SAMPLE MATRIX: Soil	
				UNITS: mg/kg	
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	
Aroclor 1016	NC	NC	NC	ND (0.0087)	
Aroclor 1221	NC	NC	NC	ND (0.020)	
Aroclor 1232	NC	NC	NC	ND (0.017)	
Aroclor 1242	NC	NC	NC	ND (0.011)	
Aroclor 1248	NC	NC	NC	ND (0.010)	
Aroclor 1254	NC	NC	NC	ND (0.016)	
Aroclor 1260	NC	NC	NC	ND (0.011)	
Aroclor 1262	NC	NC	NC	ND (0.0099)	
Aroclor 1268	NC	NC	NC	ND (0.011)	
Total PCBs	1	NC	NC	ND	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

SAMPLE ID:				Weldon Farwood Screening	Weldon Farwood Select Fill	Allocco	Tilcon New York, Inc	Amboy Aggregates Sand
LAB ID:				JB15010-1A	JB15010-2A	1012806-01	07616-001	E11-12558-001
COLLECTION DATE:				8/29/12	8/29/12	1/24/11	8/3/12	12/16/11
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1221	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1232	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1242	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1248	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1254	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1260	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1262	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Aroclor 1268	NC	NC	NC	<0.034	<0.038	NA	<0.00168	<0.00162
Total PCBs	1	NC	NC	<0.31	<0.34	NA	<0.01512	<0.01458

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Amboy Aggregates Sand 1	Amboy Aggregates Sand 2	Bayshore Screening Pile - Soil 1	Bayshore Screening Pile - Soil 2	Bayshore Screening Pile - Soil 3
SAMPLE ID:								
LAB ID:				JB19430-1A	JB19430-2A	JB19431-1A	JB19431-2A	JB19431-3A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	<0.035	<0.033	ND (0.0087)	ND (0.010)	ND (0.010)
Aroclor 1221	NC	NC	NC	<0.035	<0.033	ND (0.020)	ND (0.024)	ND (0.023)
Aroclor 1232	NC	NC	NC	<0.035	<0.033	ND (0.017)	ND (0.020)	ND (0.020)
Aroclor 1242	NC	NC	NC	<0.035	<0.033	ND (0.011)	ND (0.012)	ND (0.012)
Aroclor 1248	NC	NC	NC	<0.035	<0.033	ND (0.010)	ND (0.012)	ND (0.012)
Aroclor 1254	NC	NC	NC	<0.035	<0.033	ND (0.016)	ND (0.018)	ND (0.018)
Aroclor 1260	NC	NC	NC	<0.035	<0.033	ND (0.011)	ND (0.013)	ND (0.013)
Aroclor 1262	NC	NC	NC	<0.035	<0.033	ND (0.011)	ND (0.012)	ND (0.012)
Aroclor 1268	NC	NC	NC	<0.035	<0.033	ND (0.0098)	ND (0.011)	ND (0.011)
Total PCBs	1	NC	NC	<0.035	<0.033	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayshore Screening Pile - Soil 4	Bayshore Screening Pile - Soil 5	Bayshore Screening Pile - Soil 6	Bayshore Screening Pile - Soil 7	Bayshore Screening Pile - Soil 8
SAMPLE ID:								
LAB ID:				JB19431-4A	JB19431-5A	JB19431-6A	JB19431-7A	JB19431-8A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0099)	ND (0.010)	ND (0.010)	ND (0.0099)	ND (0.010)
Aroclor 1221	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.024)
Aroclor 1232	NC	NC	NC	ND (0.019)	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.020)
Aroclor 1242	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.013)
Aroclor 1248	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor 1254	NC	NC	NC	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Aroclor 1260	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.013)
Aroclor 1262	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.013)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayshore Screening Pile - Soil 9	Bayshore Screening Pile - Soil 10	Bayshore Screening Pile - Soil 11	Bayshore Screening Pile - Soil 12	Bayshore Screening Pile - Soil 13
SAMPLE ID:								
LAB ID:				JB19431-9A	JB19431-10A	JB19431-11A	JB19431-12A	JB19431-13A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0090)	ND (0.0095)	ND (0.0099)	ND (0.0094)	ND (0.0091)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.018)	ND (0.017)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayshore Screening Pile - Soil 14	Bayshore Screening Pile - Soil 15	Former Raritan Arsenal Fill - Soil 1	Former Raritan Arsenal Fill - Soil 2	Former Raritan Arsenal Fill - Soil 3
SAMPLE ID:								
LAB ID:				JB19431-14A	JB19431-15A	JB19112-1A	JB19112-2A	JB19112-3A
COLLECTION DATE:				10/16/12	10/16/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0098)	ND (0.0092)	ND (0.0098)	ND (0.0089)	ND (0.0086)
Aroclor 1221	NC	NC	NC	ND (0.023)	ND (0.021)	ND (0.023)	ND (0.021)	ND (0.020)
Aroclor 1232	NC	NC	NC	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.017)	ND (0.017)
Aroclor 1242	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)
Aroclor 1254	NC	NC	NC	ND (0.018)	ND (0.017)	ND (0.018)	0.056	ND (0.015)
Aroclor 1260	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.0097)
Total PCBs	1	NC	NC	ND	ND	ND	0.056	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 4	Former Raritan Arsenal Fill - Soil 5	Former Raritan Arsenal Fill - Soil 6	Former Raritan Arsenal Fill - Soil 7	Former Raritan Arsenal Fill - Soil 8
LAB ID:				JB19112-4A	JB19112-5A	JB19112-6A	JB19112-7A	JB19112-8A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0090)	ND (0.0096)	ND (0.0087)	ND (0.0086)	ND (0.0080)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.022)	ND (0.020)	ND (0.020)	ND (0.019)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.019)	ND (0.017)	ND (0.017)	ND (0.016)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.010)	ND (0.0098)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.0094)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.015)	ND (0.014)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.010)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.010)	ND (0.0098)
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.0098)	ND (0.0097)	ND (0.0091)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 9	Former Raritan Arsenal Fill - Soil 10	Former Raritan Arsenal Fill - Soil 11	Former Raritan Arsenal Fill - Soil 12	Former Raritan Arsenal Fill - Soil 13
LAB ID:				JB19112-9A	JB19112-10A	JB19112-11A	JB19112-12A	JB19112-13A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0088)	ND (0.0083)	ND (0.0097)	ND (0.0081)	ND (0.0093)
Aroclor 1221	NC	NC	NC	ND (0.020)	ND (0.019)	ND (0.022)	ND (0.019)	ND (0.022)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.019)	ND (0.016)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.012)	ND (0.0099)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.0098)	ND (0.011)	ND (0.0095)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.017)	ND (0.015)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.010)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.012)	ND (0.0099)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.0094)	ND (0.011)	ND (0.0091)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 14	Former Raritan Arsenal Fill - Soil 15	Former Raritan Arsenal Fill - Soil 16	Former Raritan Arsenal Fill - Soil 17	Former Raritan Arsenal Fill - Soil 18
LAB ID:				JB19112-14A	JB19112-15A	JB19112-16A	JB19112-17A	JB19112-18A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0082)	ND (0.0088)	ND (0.0089)	ND (0.0087)	ND (0.0093)
Aroclor 1221	NC	NC	NC	ND (0.019)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.0095)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.0092)	ND (0.0099)	ND (0.010)	ND (0.0098)	ND (0.010)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 19	Liberty Stone I-78 Soil 1	Liberty Stone I-78 Soil 2	Liberty Stone I-78 Soil 3	Liberty Stone I-78 Soil 4
LAB ID:				JB19112-19A	JB18892-1A	JB18892-2A	JB18892-3A	JB18892-4A
COLLECTION DATE:				10/12/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0089)	ND (0.0098)	ND (0.0096)	ND (0.0091)	ND (0.0094)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.022)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.018)	ND (0.017)	ND (0.016)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Liberty Stone I-78 Soil 5	Liberty Stone I-78 Soil 6	Liberty Stone I-78 Soil 7	Liberty Stone I-78 Soil 8	Liberty Stone I-78 Soil 9
SAMPLE ID:								
LAB ID:				JB18892-5A	JB18892-6A	JB18892-7A	JB18892-8A	JB18892-9A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0094)	ND (0.0085)	ND (0.0093)	ND (0.0086)	ND (0.0087)
Aroclor 1221	NC	NC	NC	ND (0.022)	ND (0.020)	ND (0.022)	ND (0.020)	ND (0.020)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.017)	ND (0.017)
Aroclor 1242	NC	NC	NC	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.0099)	ND (0.011)	ND (0.010)	ND (0.010)
Aroclor 1254	NC	NC	NC	ND (0.017)	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.0096)	ND (0.011)	ND (0.0097)	ND (0.0098)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

SAMPLE ID:				Liberty Stone I-78 Soil 10	Liberty Stone I-78 Soil 11	Liberty Stone I-78 Soil 12	Liberty Stone I-78 Soil 13	Liberty Stone I-78 Soil 14
LAB ID:				JB18892-10A	JB18892-11A	JB18892-12A	JB18892-13A	JB18892-14A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0094)	ND (0.0086)	ND (0.0092)	ND (0.0093)	ND (0.0093)
Aroclor 1221	NC	NC	NC	ND (0.022)	ND (0.020)	ND (0.021)	ND (0.022)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.0097)	ND (0.010)	ND (0.011)	ND (0.010)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Liberty Stone I-78 Soil 15	Liberty Stone I-78 Soil 16	Liberty Stone I-78 Soil 17	Liberty Stone I-78 Soil 18	Liberty Stone I-78 Soil 19
SAMPLE ID:								
LAB ID:				JB18892-15A	JB18892-16A	JB18892-17A	JB18892-18A	JB18892-19A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0093)	ND (0.0085)	ND (0.0083)	ND (0.0095)	ND (0.0088)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.019)	ND (0.022)	ND (0.020)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.016)	ND (0.016)	ND (0.019)	ND (0.017)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.012)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.0099)	ND (0.0097)	ND (0.011)	ND (0.010)
Aroclor 1254	NC	NC	NC	ND (0.017)	ND (0.015)	ND (0.015)	ND (0.017)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.012)	0.354	ND (0.010)	ND (0.012)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.012)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.0096)	ND (0.0094)	ND (0.011)	ND (0.010)
Total PCBs	1	NC	NC	ND	0.354	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Natures Choice I-78 Soil 1	Natures Choice I-78 Soil 2	Natures Choice I-78 Soil 3	Natures Choice I-78 Soil 4	Natures Choice I-78 Soil 5
SAMPLE ID:								
LAB ID:				JB19432-1A	JB19432-2A	JB19432-3A	JB19432-4A	JB19432-5A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0088)	ND (0.0093)	ND (0.0095)	ND (0.0093)	ND (0.0093)
Aroclor 1221	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.022)	ND (0.022)	ND (0.022)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.018)	ND (0.019)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.011)	0.048	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.0099)	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Total PCBs	1	NC	NC	ND	0.048	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Natures Choice I-78 Soil 6	Natures Choice I-78 Soil 7	Natures Choice I-78 Soil 8	Natures Choice I-78 Soil 9	Natures Choice I-78 Soil 10
SAMPLE ID:								
LAB ID:				JB19432-6A	JB19432-7A	JB19432-8A	JB19432-9A	JB19432-10A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0088)	ND (0.0092)	ND (0.0093)	ND (0.0095)	ND (0.0091)
Aroclor 1221	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.022)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.016)
Aroclor 1260	NC	NC	NC	0.134	ND (0.012)	ND (0.012)	ND (0.012)	0.0634
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.0099)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.010)
Total PCBs	1	NC	NC	0.134	ND	ND	ND	0.0634

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Natures Choice I-78 Soil 11	Natures Choice I-78 Soil 12	Natures Choice I-78 Soil 13	Natures Choice I-78 Soil 14	Natures Choice I-78 Soil 15
SAMPLE ID:								
LAB ID:				JB19432-11A	JB19432-12A	JB19432-13A	JB19432-14A	JB19432-15A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0093)	ND (0.0090)	ND (0.0089)	ND (0.0092)	ND (0.0092)
Aroclor 1221	NC	NC	NC	ND (0.022)	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.012)	ND (0.011)	0.0687	ND (0.012)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)
Total PCBs	1	NC	NC	ND	ND	0.0687	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Natures Choice I-78 Soil 16	Natures Choice I-78 Soil 17	Natures Choice I-78 Soil 18	Natures Choice I-78 Soil 19	Natures Choice I-78 Soil 20
SAMPLE ID:								
LAB ID:				JB19432-16A	JB19432-17A	JB19432-18A	JB19432-19A	JB19432-20A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0091)	ND (0.0093)	ND (0.0092)	ND (0.0093)	ND (0.0094)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.022)	ND (0.022)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)
Aroclor 1260	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

SAMPLE ID:				Natures Choice I-78 Soil 21	Natures Choice I-78 Soil 22	Turnpike Basin 8C IS-1	Turnpike Basin 8C IS-2	Turnpike Basin 8C IS-3
LAB ID:				JB19432-21A	JB19432-22A	09383-024	09383-023	09383-027
COLLECTION DATE:				10/16/12	10/16/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0094)	ND (0.0096)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1221	NC	NC	NC	ND (0.022)	ND (0.022)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1232	NC	NC	NC	ND (0.018)	ND (0.019)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1248	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1254	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1260	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1262	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.00072)	ND (0.000744)	ND (0.000704)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Turnpike Basin 8C IS-4	Turnpike Basin 8C IS-5	Turnpike Basin 8C IS-6	Turnpike Basin 8C IS-7	Turnpike Basin 8C IS-8
SAMPLE ID:								
LAB ID:				09383-021	09383-022	09383-025	09383-026	09383-028
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1221	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1232	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1242	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1248	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1254	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1260	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1262	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Aroclor 1268	NC	NC	NC	ND (0.00072)	ND (0.000712)	ND (0.000712)	ND (0.0007)	ND (0.00074)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Turnpike Basin 8C IS-9	Turnpike Basin 8C IS-10	Turnpike Basin 8C IS-11	Turnpike Basin 8C IS-12	Turnpike Basin 8C IS-13
SAMPLE ID:								
LAB ID:				09383-029	09383-030	09383-012	09383-011	09383-020
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1221	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1232	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1242	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1248	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1254	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1260	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1262	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Aroclor 1268	NC	NC	NC	ND (0.000716)	ND (0.000716)	ND (0.000708)	ND (0.000712)	ND (0.00072)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Turnpike Basin 8C IS-14	Turnpike Basin 8C IS-15	Turnpike Basin 8C IS-16	Turnpike Basin 8C IS-17	Turnpike Basin 8C IS-18
SAMPLE ID:								
LAB ID:				09383-019	09383-018	09383-017	09383-016	09383-015
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1221	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1232	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1242	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1248	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1254	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1260	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1262	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Aroclor 1268	NC	NC	NC	ND (0.000708)	ND (0.000712)	ND (0.0007)	ND (0.000716)	ND (0.000728)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Turnpike Basin 8C IS-19	Turnpike Basin 8C IS-20	Turnpike Basin 8C IS-21	Turnpike Basin 8C IS-22	Turnpike Basin 8C IS-23
SAMPLE ID:								
LAB ID:				09383-014	09383-013	09383-010	09383-004	09383-005
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1221	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1232	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1242	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1248	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1254	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1260	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1262	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Aroclor 1268	NC	NC	NC	ND (0.000716)	ND (0.000732)	ND (0.000716)	ND (0.00072)	ND (0.000728)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Turnpike Basin 8C IS-24	Turnpike Basin 8C IS-25	Turnpike Basin 8C IS-26	Turnpike Basin 8C IS-27	Turnpike Basin 8C IS-28
SAMPLE ID:								
LAB ID:				09383-006	09383-007	09383-008	09383-009	09383-001
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1221	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1232	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1242	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1248	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1254	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1260	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1262	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Aroclor 1268	NC	NC	NC	ND (0.00072)	ND (0.000704)	ND (0.0007)	ND (0.0007)	ND (0.000724)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Turnpike Basin 8C IS-29	Turnpike Basin 8C IS-30	Bayonne FD-1	Bayonne FD-2	Bayonne FD-3
SAMPLE ID:								
LAB ID:				09383-002	09383-003	JB33052-1A	JB33052-2A	JB33052-3A
COLLECTION DATE:				9/17/12	9/17/12	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.0085)	ND (0.0085)	ND (0.0087)
Aroclor 1221	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.020)	ND (0.020)	ND (0.020)
Aroclor 1232	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.017)	ND (0.017)	ND (0.017)
Aroclor 1242	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.010)	ND (0.010)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.0099)	ND (0.010)	ND (0.010)
Aroclor 1254	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.015)	ND (0.015)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.0096)	ND (0.0097)	ND (0.0098)
Aroclor 1268	NC	NC	NC	ND (0.00072)	ND (0.000756)	ND (0.010)	ND (0.010)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayonne FD-4	Bayonne FD-5	Bayonne FD-6	Bayonne FD-7	Bayonne FD-8
SAMPLE ID:								
LAB ID:				JB33052-4A	JB33052-5A	JB33052-6A	JB33052-7A	JB33052-8A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0089)	ND (0.0088)	ND (0.0090)	ND (0.0082)	ND (0.0089)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.019)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.017)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0096)	ND (0.010)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0093)	ND (0.010)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayonne FD-9	Bayonne FD-10	Bayonne FD-11	Bayonne FD-12	Bayonne FD-13
SAMPLE ID:								
LAB ID:				JB33052-9A	JB33052-10A	JB33052-11A	JB33052-12A	JB33052-13A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0090)	ND (0.0086)	ND (0.0083)	ND (0.0084)	ND (0.0089)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.017)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0098)	ND (0.0099)	ND (0.010)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.010)	ND (0.0098)	ND (0.0094)	ND (0.0096)	ND (0.010)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayonne FD-14	Bayonne FD-15	Bayonne FD-16	Bayonne FD-17	Bayonne FD-18
SAMPLE ID:								
LAB ID:				JB33052-14A	JB33052-15A	JB33052-16A	JB33052-17A	JB33052-18A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
Aroclor 1016	NC	NC	NC	ND (0.0090)	ND (0.0087)	ND (0.0086)	ND (0.0087)	ND (0.0090)
Aroclor 1221	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
Aroclor 1232	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.018)
Aroclor 1242	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1248	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.011)
Aroclor 1254	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.016)
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Aroclor 1262	NC	NC	NC	ND (0.010)	ND (0.0099)	ND (0.0097)	ND (0.0099)	ND (0.010)
Aroclor 1268	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayonne FD-19	Bayonne FD-20	Bayonne FD-21	Bayonne FD-22	Bayonne FD-DUP1	
SAMPLE ID:									
LAB ID:				JB33052-19A	JB33052-20A	JB33052-21A	JB33052-22A	JB33052-23A	
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13	
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil	
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result	
Aroclor 1016	NC	NC	NC	ND (0.0084)	ND (0.0089)	ND (0.0091)	ND (0.0090)	ND (0.0089)	
Aroclor 1221	NC	NC	NC	ND (0.019)	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)	
Aroclor 1232	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.018)	ND (0.017)	ND (0.017)	
Aroclor 1242	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	
Aroclor 1248	NC	NC	NC	ND (0.0098)	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.010)	
Aroclor 1254	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	
Aroclor 1260	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	
Aroclor 1262	NC	NC	NC	ND (0.0095)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	
Aroclor 1268	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	
Total PCBs	1	NC	NC	ND	ND	ND	ND	ND	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR POLYCHLORINATED BIPHENYLS

				Bayonne FD-DUP2	
SAMPLE ID:				JB33052-24A	
LAB ID:				4/2/13	
COLLECTION DATE:				Soil	
SAMPLE MATRIX:				mg/kg	
UNITS:					
POLYCHLORINATED BIPHENYLS (PCBs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	
Aroclor 1016	NC	NC	NC	ND (0.0087)	
Aroclor 1221	NC	NC	NC	ND (0.020)	
Aroclor 1232	NC	NC	NC	ND (0.017)	
Aroclor 1242	NC	NC	NC	ND (0.011)	
Aroclor 1248	NC	NC	NC	ND (0.010)	
Aroclor 1254	NC	NC	NC	ND (0.016)	
Aroclor 1260	NC	NC	NC	ND (0.011)	
Aroclor 1262	NC	NC	NC	ND (0.0099)	
Aroclor 1268	NC	NC	NC	ND (0.011)	
Total PCBs	1	NC	NC	ND	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 mg/kg.

Shading indicates result above criteria. Color representing the least stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10 Appendix 5

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) Commissioner's Policy 51 Table 1

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

Total PCBs value is the sum of the Aroclors

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Weldon Fanwood Screening	Weldon Fanwood Select Fill	Allocco	Tilcon New York, Inc	Amboy Aggregates Sand
LAB ID:				JB15010-1A	JB15010-2A	1012806-01	07616-001	E11-12558-001
COLLECTION DATE:				8/29/12	8/29/12	1/24/11	8/3/12	12/16/11
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
4,4'-DDE	17	NC	0.0033 ³	<0.00068	<0.00077	NA	<0.000336	<0.000324
4,4'-DDT	47	NC	0.0033 ³	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Aldrin	0.19	NC	0.005	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
alpha-BHC	0.02	NC	0.02	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
beta-BHC	0.09	NC	0.036	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
alpha-Chlordane	2.9	NC	0.094	<0.00068	<0.00077	NA	<0.000336	<0.000324
gamma-Chlordane	NC	NC	NC	<0.00068	<0.00077	<0.045	<0.000336	<0.000324
delta-BHC	0.25	NC	0.04	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Dieldrin	0.1	NC	0.005	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Endosulfan I	102	NC	2.4	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Endosulfan II	102	NC	2.4	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Endosulfan sulfate	200	NC	2.4	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Endrin	0.06	NC	0.014	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Endrin aldehyde	NC	NC	NC	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Endrin ketone	NC	NC	NC	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
gamma-BHC (Lindane)	0.1	NC	NC	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Heptachlor	0.38	NC	0.042	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Heptachlor epoxide	NC	NC	NC	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Methoxychlor	NC	1,000	NC	<0.0014	<0.0015	<0.015	<0.000336	<0.000324
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	<0.015	NA	NA
Toxaphene	NC	NC	NC	<0.017	<0.019	NA	<0.0042	<0.00405

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Amboy Aggregates Sand 1	Amboy Aggregates Sand 2	Bayshore Screening Pile - Soil 1	Bayshore Screening Pile - Soil 2	Bayshore Screening Pile - Soil 3
LAB ID:				JB19430-1A	JB19430-2A	JB19431-1A	JB19431-2A	JB19431-3A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	<0.00070	<0.00066	ND (0.00037)	ND (0.00043)	ND (0.00042)
4,4'-DDE	17	NC	0.0033 ³	<0.00070	<0.00066	ND (0.00027)	ND (0.00032)	ND (0.00031)
4,4'-DDT	47	NC	0.0033 ³	<0.00070	<0.00066	ND (0.00033)	ND (0.00039)	ND (0.00038)
Aldrin	0.19	NC	0.005	<0.00070	<0.00066	ND (0.00031)	ND (0.00036)	ND (0.00036)
alpha-BHC	0.02	NC	0.02	<0.00070	<0.00066	ND (0.00020)	ND (0.00023)	ND (0.00023)
beta-BHC	0.09	NC	0.036	<0.00070	<0.00066	ND (0.00042)	ND (0.00049)	ND (0.00048)
alpha-Chlordane	2.9	NC	0.094	<0.00070	<0.00066	ND (0.00025)	ND (0.00029)	ND (0.00029)
gamma-Chlordane	NC	NC	NC	<0.00070	<0.00066	ND (0.00046)	ND (0.00054)	ND (0.00053)
delta-BHC	0.25	NC	0.04	<0.00070	<0.00066	ND (0.00033)	ND (0.00039)	ND (0.00038)
Dieldrin	0.1	NC	0.005	<0.00070	<0.00066	ND (0.00026)	ND (0.00031)	ND (0.00030)
Endosulfan I	102	NC	2.4	<0.00070	<0.00066	ND (0.00025)	ND (0.00030)	ND (0.00029)
Endosulfan II	102	NC	2.4	<0.00070	<0.00066	ND (0.00040)	ND (0.00047)	ND (0.00046)
Endosulfan sulfate	200	NC	2.4	<0.00070	<0.00066	ND (0.00029)	ND (0.00034)	ND (0.00033)
Endrin	0.06	NC	0.014	<0.00070	<0.00066	ND (0.00022)	ND (0.00025)	ND (0.00025)
Endrin aldehyde	NC	NC	NC	<0.00070	<0.00066	ND (0.00035)	ND (0.00041)	ND (0.00040)
Endrin ketone	NC	NC	NC	<0.00070	<0.00066	ND (0.00027)	ND (0.00032)	ND (0.00031)
gamma-BHC (Lindane)	0.1	NC	NC	<0.00070	<0.00066	ND (0.00033)	ND (0.00038)	ND (0.00038)
Heptachlor	0.38	NC	0.042	<0.00070	<0.00066	ND (0.00033)	ND (0.00038)	ND (0.00038)
Heptachlor epoxide	NC	NC	NC	<0.00070	<0.00066	ND (0.00025)	ND (0.00029)	ND (0.00029)
Methoxychlor	NC	1,000	NC	<0.0014	<0.0013	ND (0.00066)	ND (0.00077)	ND (0.00076)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	<0.018	<0.016	ND (0.0084)	ND (0.0098)	ND (0.0097)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

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NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Bayshore Screening Pile - Soil 4	Bayshore Screening Pile - Soil 5	Bayshore Screening Pile - Soil 6	Bayshore Screening Pile - Soil 7	Bayshore Screening Pile - Soil 8
LAB ID:				JB19431-4A	JB19431-5A	JB19431-6A	JB19431-7A	JB19431-8A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00042)	ND (0.00043)	ND (0.00043)	ND (0.00042)	ND (0.00043)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00031)	ND (0.00031)	ND (0.00032)	ND (0.00031)	ND (0.00032)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00038)	ND (0.00038)	ND (0.00039)	ND (0.00038)	ND (0.00039)
Aldrin	0.19	NC	0.005	ND (0.00035)	ND (0.00036)	ND (0.00036)	ND (0.00035)	ND (0.00036)
alpha-BHC	0.02	NC	0.02	ND (0.00023)	ND (0.00023)	ND (0.00024)	ND (0.00023)	ND (0.00024)
beta-BHC	0.09	NC	0.036	ND (0.00048)	ND (0.00049)	ND (0.00049)	ND (0.00047)	ND (0.00049)
alpha-Chlordane	2.9	NC	0.094	ND (0.00028)	ND (0.00029)	ND (0.00029)	ND (0.00028)	ND (0.00029)
gamma-Chlordane	NC	NC	NC	ND (0.00053)	ND (0.00054)	ND (0.00054)	ND (0.00053)	ND (0.00054)
delta-BHC	0.25	NC	0.04	ND (0.00038)	ND (0.00038)	ND (0.00039)	ND (0.00038)	ND (0.00039)
Dieldrin	0.1	NC	0.005	ND (0.00030)	ND (0.00030)	ND (0.00031)	ND (0.00030)	ND (0.00031)
Endosulfan I	102	NC	2.4	ND (0.00029)	ND (0.00030)	ND (0.00030)	ND (0.00029)	ND (0.00030)
Endosulfan II	102	NC	2.4	ND (0.00046)	ND (0.00047)	ND (0.00047)	ND (0.00046)	ND (0.00047)
Endosulfan sulfate	200	NC	2.4	ND (0.00033)	ND (0.00033)	ND (0.00034)	ND (0.00033)	ND (0.00034)
Endrin	0.06	NC	0.014	ND (0.00025)	ND (0.00025)	ND (0.00026)	ND (0.00025)	ND (0.00026)
Endrin aldehyde	NC	NC	NC	ND (0.00040)	ND (0.00041)	ND (0.00041)	ND (0.00040)	ND (0.00041)
Endrin ketone	NC	NC	NC	ND (0.00031)	ND (0.00032)	ND (0.00032)	ND (0.00031)	ND (0.00032)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00037)	ND (0.00038)	ND (0.00039)	ND (0.00037)	ND (0.00039)
Heptachlor	0.38	NC	0.042	ND (0.00037)	ND (0.00038)	ND (0.00038)	ND (0.00037)	ND (0.00038)
Heptachlor epoxide	NC	NC	NC	ND (0.00029)	ND (0.00029)	ND (0.00030)	ND (0.00028)	ND (0.00030)
Methoxychlor	NC	1,000	NC	ND (0.00075)	ND (0.00076)	ND (0.00077)	ND (0.00075)	ND (0.00077)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0096)	ND (0.0098)	ND (0.0099)	ND (0.0096)	ND (0.0099)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Bayshore Screening Pile - Soil 9	Bayshore Screening Pile - Soil 10	Bayshore Screening Pile - Soil 11	Bayshore Screening Pile - Soil 12	Bayshore Screening Pile - Soil 13
LAB ID:				JB19431-9A	JB19431-10A	JB19431-11A	JB19431-12A	JB19431-13A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00038)	ND (0.00040)	ND (0.00042)	ND (0.00039)	ND (0.00038)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	ND (0.00030)	ND (0.00031)	ND (0.00029)	ND (0.00028)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00034)	ND (0.00036)	ND (0.00037)	ND (0.00036)	0.0015 ^b
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00034)	ND (0.00035)	ND (0.00033)	ND (0.00032)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00022)	ND (0.00023)	ND (0.00022)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00043)	ND (0.00046)	ND (0.00047)	ND (0.00045)	ND (0.00044)
alpha-Chlordane	2.9	NC	0.094	ND (0.00026)	ND (0.00027)	ND (0.00028)	ND (0.00027)	0.00093
gamma-Chlordane	NC	NC	NC	ND (0.00048)	ND (0.00051)	ND (0.00052)	ND (0.00050)	0.0011
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00036)	ND (0.00038)	ND (0.00036)	ND (0.00035)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00029)	ND (0.00030)	ND (0.00028)	ND (0.00027)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00028)	ND (0.00029)	ND (0.00027)	ND (0.00027)
Endosulfan II	102	NC	2.4	ND (0.00042)	ND (0.00044)	ND (0.00046)	ND (0.00043)	ND (0.00042)
Endosulfan sulfate	200	NC	2.4	ND (0.00030)	ND (0.00032)	ND (0.00033)	ND (0.00031)	ND (0.00030)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00024)	ND (0.00025)	ND (0.00023)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00036)	ND (0.00038)	ND (0.00040)	ND (0.00038)	ND (0.00037)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00030)	ND (0.00031)	ND (0.00029)	ND (0.00029)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00036)	ND (0.00037)	ND (0.00035)	ND (0.00034)
Heptachlor	0.38	NC	0.042	ND (0.00034)	ND (0.00036)	ND (0.00037)	ND (0.00035)	ND (0.00034)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00027)	ND (0.00028)	ND (0.00027)	ND (0.00026)
Methoxychlor	NC	1,000	NC	ND (0.00068)	ND (0.00072)	ND (0.00074)	ND (0.00071)	ND (0.00069)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0087)	ND (0.0092)	ND (0.0096)	ND (0.0091)	ND (0.0088)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Bayshore Screening Pile - Soil 14	Bayshore Screening Pile - Soil 15	Former Raritan Arsenal Fill - Soil 1	Former Raritan Arsenal Fill - Soil 2	Former Raritan Arsenal Fill - Soil 3
LAB ID:				JB19431-14A	JB19431-15A	JB19112-1A	JB19112-2A	JB19112-3A
COLLECTION DATE:				10/16/12	10/16/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00041)	ND (0.00039)	ND (0.00041)	ND (0.00037)	ND (0.00036)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00030)	ND (0.00029)	ND (0.00030)	ND (0.00028)	ND (0.00027)
4,4'-DDT	47	NC	0.0033 ³	0.00099 ^c	0.0023	ND (0.00037)	ND (0.00034)	ND (0.00033)
Aldrin	0.19	NC	0.005	ND (0.00035)	ND (0.00033)	ND (0.00035)	ND (0.00031)	ND (0.00030)
alpha-BHC	0.02	NC	0.02	ND (0.00022)	ND (0.00021)	ND (0.00023)	ND (0.00020)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00047)	ND (0.00045)	ND (0.00047)	ND (0.00043)	ND (0.00041)
alpha-Chlordane	2.9	NC	0.094	ND (0.00028)	ND (0.00027)	ND (0.00028)	ND (0.00025)	ND (0.00024)
gamma-Chlordane	NC	NC	NC	ND (0.00052)	ND (0.00050)	ND (0.00052)	ND (0.00047)	ND (0.00046)
delta-BHC	0.25	NC	0.04	ND (0.00037)	ND (0.00036)	ND (0.00037)	ND (0.00034)	ND (0.00033)
Dieldrin	0.1	NC	0.005	ND (0.00029)	ND (0.00028)	ND (0.00030)	ND (0.00027)	ND (0.00026)
Endosulfan I	102	NC	2.4	ND (0.00028)	ND (0.00027)	ND (0.00029)	ND (0.00026)	ND (0.00025)
Endosulfan II	102	NC	2.4	ND (0.00045)	ND (0.00043)	ND (0.00045)	ND (0.00041)	ND (0.00040)
Endosulfan sulfate	200	NC	2.4	ND (0.00032)	ND (0.00031)	ND (0.00032)	ND (0.00029)	ND (0.00028)
Endrin	0.06	NC	0.014	ND (0.00024)	ND (0.00023)	ND (0.00024)	ND (0.00022)	ND (0.00021)
Endrin aldehyde	NC	NC	NC	ND (0.00039)	ND (0.00038)	ND (0.00039)	ND (0.00036)	ND (0.00035)
Endrin ketone	NC	NC	NC	ND (0.00031)	ND (0.00029)	ND (0.00031)	ND (0.00028)	ND (0.00027)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00037)	ND (0.00035)	ND (0.00037)	ND (0.00034)	ND (0.00032)
Heptachlor	0.38	NC	0.042	ND (0.00037)	ND (0.00035)	ND (0.00037)	ND (0.00033)	ND (0.00032)
Heptachlor epoxide	NC	NC	NC	ND (0.00028)	ND (0.00027)	ND (0.00028)	ND (0.00026)	ND (0.00025)
Methoxychlor	NC	1,000	NC	ND (0.00073)	ND (0.00070)	ND (0.00074)	ND (0.00067)	ND (0.00065)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0095)	ND (0.0091)	ND (0.0095)	ND (0.0086)	ND (0.0083)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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^(B) - Criteria is from New York State Department of Environmental

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 4	Former Raritan Arsenal Fill - Soil 5	Former Raritan Arsenal Fill - Soil 6	Former Raritan Arsenal Fill - Soil 7	Former Raritan Arsenal Fill - Soil 8
LAB ID:				JB19112-4A	JB19112-5A	JB19112-6A	JB19112-7A	JB19112-8A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00038)	ND (0.00040)	ND (0.00036)	ND (0.00036)	ND (0.00034)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	ND (0.00030)	ND (0.00027)	ND (0.00027)	ND (0.00025)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00034)	ND (0.00036)	ND (0.00033)	ND (0.00033)	ND (0.00030)
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00034)	ND (0.00031)	ND (0.00030)	ND (0.00028)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00022)	ND (0.00020)	ND (0.00020)	ND (0.00018)
beta-BHC	0.09	NC	0.036	ND (0.00043)	ND (0.00046)	ND (0.00041)	ND (0.00041)	ND (0.00038)
alpha-Chlordane	2.9	NC	0.094	ND (0.00026)	ND (0.00027)	ND (0.00025)	ND (0.00024)	ND (0.00023)
gamma-Chlordane	NC	NC	NC	ND (0.00048)	ND (0.00051)	ND (0.00046)	ND (0.00046)	ND (0.00043)
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00037)	ND (0.00033)	ND (0.00033)	ND (0.00031)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00029)	ND (0.00026)	ND (0.00026)	ND (0.00024)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00028)	ND (0.00025)	ND (0.00025)	ND (0.00023)
Endosulfan II	102	NC	2.4	ND (0.00042)	ND (0.00044)	ND (0.00040)	ND (0.00040)	ND (0.00037)
Endosulfan sulfate	200	NC	2.4	ND (0.00030)	ND (0.00032)	ND (0.00029)	ND (0.00028)	ND (0.00027)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00024)	ND (0.00022)	ND (0.00021)	ND (0.00020)
Endrin aldehyde	NC	NC	NC	ND (0.00036)	ND (0.00039)	ND (0.00035)	ND (0.00034)	ND (0.00032)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00030)	ND (0.00027)	ND (0.00027)	ND (0.00025)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00036)	ND (0.00033)	ND (0.00032)	ND (0.00030)
Heptachlor	0.38	NC	0.042	ND (0.00034)	ND (0.00036)	ND (0.00032)	ND (0.00032)	ND (0.00030)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00028)	ND (0.00025)	ND (0.00025)	ND (0.00023)
Methoxychlor	NC	1,000	NC	ND (0.00068)	ND (0.00072)	ND (0.00065)	ND (0.00065)	ND (0.00060)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0087)	ND (0.0093)	ND (0.0084)	ND (0.0083)	ND (0.0078)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

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NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 9	Former Raritan Arsenal Fill - Soil 10	Former Raritan Arsenal Fill - Soil 11	Former Raritan Arsenal Fill - Soil 12	Former Raritan Arsenal Fill - Soil 13
LAB ID:				JB19112-9A	JB19112-10A	JB19112-11A	JB19112-12A	JB19112-13A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00037)	ND (0.00035)	ND (0.00041)	ND (0.00034)	ND (0.00039)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00027)	ND (0.00026)	ND (0.00030)	ND (0.00025)	ND (0.00029)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00033)	ND (0.00032)	ND (0.00037)	ND (0.00031)	ND (0.00035)
Aldrin	0.19	NC	0.005	ND (0.00031)	ND (0.00030)	ND (0.00034)	ND (0.00029)	ND (0.00033)
alpha-BHC	0.02	NC	0.02	ND (0.00020)	ND (0.00019)	ND (0.00022)	ND (0.00019)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00042)	ND (0.00040)	ND (0.00047)	ND (0.00039)	ND (0.00045)
alpha-Chlordane	2.9	NC	0.094	ND (0.00025)	ND (0.00024)	ND (0.00028)	ND (0.00023)	ND (0.00027)
gamma-Chlordane	NC	NC	NC	ND (0.00047)	ND (0.00044)	ND (0.00052)	ND (0.00043)	ND (0.00049)
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00032)	ND (0.00037)	ND (0.00031)	ND (0.00035)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00025)	ND (0.00029)	ND (0.00024)	ND (0.00028)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00024)	ND (0.00028)	ND (0.00024)	ND (0.00027)
Endosulfan II	102	NC	2.4	ND (0.00041)	ND (0.00038)	ND (0.00045)	ND (0.00037)	ND (0.00043)
Endosulfan sulfate	200	NC	2.4	ND (0.00029)	ND (0.00028)	ND (0.00032)	ND (0.00027)	ND (0.00031)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00021)	ND (0.00024)	ND (0.00020)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00035)	ND (0.00034)	ND (0.00039)	ND (0.00033)	ND (0.00037)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00026)	ND (0.00030)	ND (0.00025)	ND (0.00029)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00033)	ND (0.00031)	ND (0.00037)	ND (0.00030)	ND (0.00035)
Heptachlor	0.38	NC	0.042	ND (0.00033)	ND (0.00031)	ND (0.00036)	ND (0.00030)	ND (0.00035)
Heptachlor epoxide	NC	NC	NC	ND (0.00025)	ND (0.00024)	ND (0.00028)	ND (0.00023)	ND (0.00027)
Methoxychlor	NC	1,000	NC	ND (0.00066)	ND (0.00063)	ND (0.00073)	ND (0.00061)	ND (0.00070)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0085)	ND (0.0081)	ND (0.0094)	ND (0.0078)	ND (0.0090)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 14	Former Raritan Arsenal Fill - Soil 15	Former Raritan Arsenal Fill - Soil 16	Former Raritan Arsenal Fill - Soil 17	Former Raritan Arsenal Fill - Soil 18
LAB ID:				JB19112-14A	JB19112-15A	JB19112-16A	JB19112-17A	JB19112-18A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00037)	ND (0.00037)	ND (0.00037)	ND (0.00036)	ND (0.00042)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00025)	ND (0.00027)	ND (0.00028)	ND (0.00027)	ND (0.00031)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00031)	ND (0.00033)	ND (0.00034)	ND (0.00033)	ND (0.00037)
Aldrin	0.19	NC	0.005	ND (0.00029)	ND (0.00031)	ND (0.00031)	ND (0.00031)	ND (0.00035)
alpha-BHC	0.02	NC	0.02	ND (0.00019)	ND (0.00020)	ND (0.00020)	ND (0.00020)	ND (0.00023)
beta-BHC	0.09	NC	0.036	ND (0.00039)	ND (0.00042)	ND (0.00043)	ND (0.00041)	ND (0.00047)
alpha-Chlordane	2.9	NC	0.094	ND (0.00023)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00028)
gamma-Chlordane	NC	NC	NC	ND (0.00043)	ND (0.00047)	ND (0.00047)	ND (0.00046)	ND (0.00052)
delta-BHC	0.25	NC	0.04	ND (0.00031)	ND (0.00033)	ND (0.00034)	ND (0.00033)	ND (0.00038)
Dieldrin	0.1	NC	0.005	ND (0.00025)	ND (0.00026)	ND (0.00027)	ND (0.00026)	ND (0.00030)
Endosulfan I	102	NC	2.4	ND (0.00024)	ND (0.00026)	ND (0.00026)	ND (0.00025)	ND (0.00029)
Endosulfan II	102	NC	2.4	ND (0.00038)	ND (0.00040)	ND (0.00041)	ND (0.00040)	ND (0.00046)
Endosulfan sulfate	200	NC	2.4	ND (0.00027)	ND (0.00029)	ND (0.00029)	ND (0.00029)	ND (0.00033)
Endrin	0.06	NC	0.014	ND (0.00020)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00025)
Endrin aldehyde	NC	NC	NC	ND (0.00033)	ND (0.00035)	ND (0.00036)	ND (0.00035)	ND (0.00040)
Endrin ketone	NC	NC	NC	ND (0.00026)	ND (0.00027)	ND (0.00028)	ND (0.00027)	ND (0.00031)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00031)	ND (0.00033)	ND (0.00033)	ND (0.00033)	ND (0.00037)
Heptachlor	0.38	NC	0.042	ND (0.00031)	ND (0.00033)	ND (0.00033)	ND (0.00032)	ND (0.00037)
Heptachlor epoxide	NC	NC	NC	ND (0.00023)	ND (0.00025)	ND (0.00026)	ND (0.00025)	ND (0.00028)
Methoxychlor	NC	1,000	NC	ND (0.00061)	ND (0.00066)	ND (0.00067)	ND (0.00065)	ND (0.00074)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0079)	ND (0.0085)	ND (0.0086)	ND (0.0084)	ND (0.0096)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 19	Liberty Stone I-78 Soil 1	Liberty Stone I-78 Soil 2	Liberty Stone I-78 Soil 3	Liberty Stone I-78 Soil 4
LAB ID:				JB19112-19A	JB18892-1A	JB18892-2A	JB18892-3A	JB18892-4A
COLLECTION DATE:				10/12/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00037)	ND (0.00041)	ND (0.00040)	ND (0.00038)	ND (0.00039)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	ND (0.00030)	ND (0.00030)	ND (0.00028)	ND (0.00029)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00034)	0.0033	0.0008	ND (0.00035)	ND (0.00036)
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00035)	ND (0.00034)	ND (0.00032)	ND (0.00033)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00023)	ND (0.00022)	ND (0.00021)	ND (0.00022)
beta-BHC	0.09	NC	0.036	ND (0.00043)	ND (0.00047)	ND (0.00046)	ND (0.00044)	ND (0.00045)
alpha-Chlordane	2.9	NC	0.094	ND (0.00025)	ND (0.00028)	ND (0.00027)	ND (0.00026)	ND (0.00027)
gamma-Chlordane	NC	NC	NC	ND (0.00047)	ND (0.00052)	ND (0.00051)	ND (0.00048)	ND (0.00050)
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00037)	ND (0.00036)	ND (0.00035)	ND (0.00036)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00029)	0.00083	ND (0.00027)	ND (0.00028)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00029)	ND (0.00028)	ND (0.00027)	ND (0.00027)
Endosulfan II	102	NC	2.4	ND (0.00041)	ND (0.00045)	ND (0.00044)	ND (0.00042)	ND (0.00043)
Endosulfan sulfate	200	NC	2.4	ND (0.00030)	ND (0.00032)	ND (0.00032)	ND (0.00030)	ND (0.00031)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00024)	ND (0.00024)	ND (0.00023)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00036)	ND (0.00039)	ND (0.00039)	ND (0.00037)	ND (0.00038)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00031)	ND (0.00030)	ND (0.00029)	ND (0.00029)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00037)	ND (0.00036)	ND (0.00034)	ND (0.00035)
Heptachlor	0.38	NC	0.042	ND (0.00033)	ND (0.00037)	ND (0.00036)	ND (0.00034)	ND (0.00035)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00028)	ND (0.00028)	ND (0.00026)	ND (0.00027)
Methoxychlor	NC	1,000	NC	ND (0.00067)	ND (0.00074)	ND (0.00072)	ND (0.00069)	ND (0.00071)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0086)	ND (0.0095)	ND (0.0093)	ND (0.0088)	ND (0.0091)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Liberty Stone I-78 Soil 5	Liberty Stone I-78 Soil 6	Liberty Stone I-78 Soil 7	Liberty Stone I-78 Soil 8	Liberty Stone I-78 Soil 9
LAB ID:				JB18892-5A	JB18892-6A	JB18892-7A	JB18892-8A	JB18892-9A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00040)	ND (0.00036)	ND (0.00039)	ND (0.00036)	ND (0.00037)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00029)	ND (0.00026)	ND (0.00029)	ND (0.00027)	ND (0.00027)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00036)	ND (0.00032)	ND (0.00035)	ND (0.00033)	ND (0.00033)
Aldrin	0.19	NC	0.005	ND (0.00033)	ND (0.00030)	ND (0.00033)	ND (0.00031)	ND (0.00031)
alpha-BHC	0.02	NC	0.02	ND (0.00022)	ND (0.00020)	ND (0.00021)	ND (0.00020)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00045)	ND (0.00041)	ND (0.00045)	ND (0.00041)	ND (0.00042)
alpha-Chlordane	2.9	NC	0.094	ND (0.00027)	ND (0.00024)	ND (0.00027)	ND (0.00025)	ND (0.00025)
gamma-Chlordane	NC	NC	NC	ND (0.00050)	ND (0.00045)	ND (0.00050)	ND (0.00046)	ND (0.00046)
delta-BHC	0.25	NC	0.04	ND (0.00036)	ND (0.00032)	ND (0.00035)	ND (0.00033)	ND (0.00033)
Dieldrin	0.1	NC	0.005	ND (0.00028)	ND (0.00026)	ND (0.00028)	ND (0.00026)	ND (0.00026)
Endosulfan I	102	NC	2.4	ND (0.00027)	ND (0.00025)	ND (0.00027)	ND (0.00025)	ND (0.00025)
Endosulfan II	102	NC	2.4	ND (0.00043)	ND (0.00039)	ND (0.00043)	ND (0.00040)	ND (0.00040)
Endosulfan sulfate	200	NC	2.4	ND (0.00031)	ND (0.00028)	ND (0.00031)	ND (0.00029)	ND (0.00029)
Endrin	0.06	NC	0.014	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00021)	ND (0.00022)
Endrin aldehyde	NC	NC	NC	ND (0.00038)	ND (0.00034)	ND (0.00038)	ND (0.00035)	ND (0.00035)
Endrin ketone	NC	NC	NC	ND (0.00029)	ND (0.00027)	ND (0.00029)	ND (0.00027)	ND (0.00027)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00035)	ND (0.00032)	ND (0.00035)	ND (0.00032)	ND (0.00033)
Heptachlor	0.38	NC	0.042	ND (0.00035)	ND (0.00032)	ND (0.00035)	ND (0.00032)	ND (0.00033)
Heptachlor epoxide	NC	NC	NC	ND (0.00027)	ND (0.00024)	ND (0.00027)	ND (0.00025)	ND (0.00025)
Methoxychlor	NC	1,000	NC	ND (0.00071)	ND (0.00064)	ND (0.00070)	ND (0.00065)	ND (0.00066)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0091)	ND (0.0082)	ND (0.0090)	ND (0.0084)	ND (0.0084)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Liberty Stone I-78 Soil 10	Liberty Stone I-78 Soil 11	Liberty Stone I-78 Soil 12	Liberty Stone I-78 Soil 13	Liberty Stone I-78 Soil 14
LAB ID:				JB18892-10A	JB18892-11A	JB18892-12A	JB18892-13A	JB18892-14A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00040)	ND (0.00036)	ND (0.00039)	ND (0.00039)	ND (0.00039)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00029)	ND (0.00027)	ND (0.00029)	ND (0.00029)	ND (0.00029)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00036)	ND (0.00033)	0.0013	ND (0.00035)	0.0009
Aldrin	0.19	NC	0.005	ND (0.00033)	ND (0.00030)	ND (0.00033)	ND (0.00033)	ND (0.00033)
alpha-BHC	0.02	NC	0.02	ND (0.00022)	ND (0.00020)	ND (0.00021)	ND (0.00021)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00045)	ND (0.00041)	ND (0.00044)	ND (0.00045)	ND (0.00044)
alpha-Chlordane	2.9	NC	0.094	ND (0.00027)	ND (0.00025)	ND (0.00026)	ND (0.00026)	ND (0.00026)
gamma-Chlordane	NC	NC	NC	ND (0.00050)	ND (0.00046)	ND (0.00049)	ND (0.00049)	ND (0.00049)
delta-BHC	0.25	NC	0.04	ND (0.00036)	ND (0.00033)	ND (0.00035)	ND (0.00035)	ND (0.00035)
Dieldrin	0.1	NC	0.005	ND (0.00028)	ND (0.00026)	ND (0.00028)	ND (0.00028)	ND (0.00028)
Endosulfan I	102	NC	2.4	ND (0.00027)	ND (0.00025)	ND (0.00027)	ND (0.00027)	ND (0.00027)
Endosulfan II	102	NC	2.4	ND (0.00043)	ND (0.00040)	ND (0.00042)	ND (0.00043)	ND (0.00043)
Endosulfan sulfate	200	NC	2.4	ND (0.00031)	ND (0.00029)	ND (0.00030)	ND (0.00031)	ND (0.00031)
Endrin	0.06	NC	0.014	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00023)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00038)	ND (0.00035)	ND (0.00037)	ND (0.00037)	ND (0.00037)
Endrin ketone	NC	NC	NC	ND (0.00029)	ND (0.00027)	ND (0.00029)	ND (0.00029)	ND (0.00029)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00035)	ND (0.00032)	ND (0.00035)	ND (0.00035)	ND (0.00035)
Heptachlor	0.38	NC	0.042	ND (0.00035)	ND (0.00032)	ND (0.00034)	ND (0.00035)	ND (0.00035)
Heptachlor epoxide	NC	NC	NC	ND (0.00027)	ND (0.00025)	ND (0.00026)	ND (0.00027)	ND (0.00027)
Methoxychlor	NC	1,000	NC	ND (0.00071)	ND (0.00065)	ND (0.00069)	ND (0.00070)	ND (0.00070)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0091)	ND (0.0084)	ND (0.0089)	ND (0.0090)	ND (0.0090)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Liberty Stone I-78 Soil 15	Liberty Stone I-78 Soil 16	Liberty Stone I-78 Soil 17	Liberty Stone I-78 Soil 18	Liberty Stone I-78 Soil 19
LAB ID:				JB18892-15A	JB18892-16A	JB18892-17A	JB18892-18A	JB18892-19A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00039)	ND (0.00036)	ND (0.00035)	ND (0.00040)	ND (0.00037)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00029)	ND (0.00026)	0.00082 ^a	ND (0.00030)	0.00083 ^a
4,4'-DDT	47	NC	0.0033 ³	ND (0.00035)	ND (0.00032)	0.0014	0.0053	0.0036
Aldrin	0.19	NC	0.005	ND (0.00033)	ND (0.00030)	ND (0.00029)	ND (0.00034)	ND (0.00031)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00019)	ND (0.00019)	ND (0.00022)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00044)	ND (0.00041)	ND (0.00040)	ND (0.00046)	ND (0.00042)
alpha-Chlordane	2.9	NC	0.094	ND (0.00026)	ND (0.00024)	0.00075	ND (0.00027)	ND (0.00025)
gamma-Chlordane	NC	NC	NC	ND (0.00049)	ND (0.00045)	0.00073	ND (0.00051)	ND (0.00047)
delta-BHC	0.25	NC	0.04	ND (0.00035)	ND (0.00032)	ND (0.00032)	ND (0.00036)	ND (0.00034)
Dieldrin	0.1	NC	0.005	ND (0.00028)	ND (0.00025)	0.00074	ND (0.00029)	0.0013
Endosulfan I	102	NC	2.4	ND (0.00027)	ND (0.00025)	ND (0.00024)	ND (0.00028)	ND (0.00026)
Endosulfan II	102	NC	2.4	ND (0.00043)	ND (0.00039)	ND (0.00038)	ND (0.00044)	ND (0.00041)
Endosulfan sulfate	200	NC	2.4	ND (0.00031)	ND (0.00028)	ND (0.00027)	ND (0.00032)	ND (0.00029)
Endrin	0.06	NC	0.014	ND (0.00023)	ND (0.00021)	ND (0.00021)	ND (0.00024)	ND (0.00022)
Endrin aldehyde	NC	NC	NC	ND (0.00037)	ND (0.00034)	ND (0.00033)	ND (0.00038)	ND (0.00035)
Endrin ketone	NC	NC	NC	ND (0.00029)	ND (0.00026)	ND (0.00026)	ND (0.00030)	ND (0.00028)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00035)	ND (0.00032)	ND (0.00031)	ND (0.00036)	ND (0.00033)
Heptachlor	0.38	NC	0.042	ND (0.00035)	ND (0.00032)	ND (0.00031)	ND (0.00036)	ND (0.00033)
Heptachlor epoxide	NC	NC	NC	ND (0.00027)	ND (0.00024)	ND (0.00024)	ND (0.00027)	ND (0.00025)
Methoxychlor	NC	1,000	NC	ND (0.00070)	ND (0.00064)	ND (0.00063)	ND (0.00072)	ND (0.00066)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0090)	ND (0.0082)	ND (0.0081)	ND (0.0092)	ND (0.0085)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Natures Choice I-78 Soil 1	Natures Choice I-78 Soil 2	Natures Choice I-78 Soil 3	Natures Choice I-78 Soil 4	Natures Choice I-78 Soil 5
LAB ID:				JB19432-1A	JB19432-2A	JB19432-3A	JB19432-4A	JB19432-5A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00037)	ND (0.00039)	ND (0.00040)	ND (0.00039)	ND (0.00039)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00027)	ND (0.00029)	ND (0.00030)	0.0015 ^b	0.0016 ^b
4,4'-DDT	47	NC	0.0033 ³	ND (0.00033)	0.0042^b	0.00087 ^b	0.0024	0.0032
Aldrin	0.19	NC	0.005	ND (0.00031)	ND (0.00033)	ND (0.00034)	ND (0.00033)	ND (0.00033)
alpha-BHC	0.02	NC	0.02	ND (0.00020)	ND (0.00021)	ND (0.00022)	ND (0.00021)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00042)	ND (0.00044)	ND (0.00046)	ND (0.00045)	ND (0.00045)
alpha-Chlordane	2.9	NC	0.094	ND (0.00025)	ND (0.00026)	0.0031 ^a	0.0028 ^a	0.0033 ^a
gamma-Chlordane	NC	NC	NC	ND (0.00047)	ND (0.00049)	0.0033 ^b	0.0015 ^b	0.0011
delta-BHC	0.25	NC	0.04	ND (0.00033)	ND (0.00035)	ND (0.00036)	ND (0.00035)	ND (0.00036)
Dieldrin	0.1	NC	0.005	ND (0.00026)	ND (0.00028)	ND (0.00029)	ND (0.00028)	ND (0.00028)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00027)	ND (0.00028)	ND (0.00027)	ND (0.00027)
Endosulfan II	102	NC	2.4	ND (0.00040)	ND (0.00043)	ND (0.00044)	ND (0.00043)	ND (0.00043)
Endosulfan sulfate	200	NC	2.4	ND (0.00029)	ND (0.00031)	ND (0.00032)	ND (0.00031)	ND (0.00031)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00023)	ND (0.00024)	ND (0.00023)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00035)	ND (0.00037)	ND (0.00038)	ND (0.00037)	ND (0.00038)
Endrin ketone	NC	NC	NC	ND (0.00027)	ND (0.00029)	ND (0.00030)	ND (0.00029)	ND (0.00029)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00033)	ND (0.00035)	ND (0.00036)	ND (0.00035)	ND (0.00035)
Heptachlor	0.38	NC	0.042	ND (0.00033)	ND (0.00035)	ND (0.00036)	ND (0.00035)	ND (0.00035)
Heptachlor epoxide	NC	NC	NC	ND (0.00025)	ND (0.00027)	ND (0.00027)	ND (0.00027)	0.0015
Methoxychlor	NC	1,000	NC	ND (0.00066)	ND (0.00070)	ND (0.00072)	ND (0.00070)	ND (0.00070)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0085)	ND (0.0090)	ND (0.0093)	ND (0.0090)	ND (0.0091)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

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NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Natures Choice I-78 Soil 6	Natures Choice I-78 Soil 7	Natures Choice I-78 Soil 8	Natures Choice I-78 Soil 9	Natures Choice I-78 Soil 10
LAB ID:				JB19432-6A	JB19432-7A	JB19432-8A	JB19432-9A	JB19432-10A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00037)	ND (0.00038)	ND (0.00039)	ND (0.00040)	ND (0.00038)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00027)	ND (0.00028)	ND (0.00029)	0.00084	ND (0.00028)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00033)	ND (0.00035)	ND (0.00035)	0.0020 ^b	ND (0.00034)
Aldrin	0.19	NC	0.005	ND (0.00031)	ND (0.00032)	ND (0.00033)	ND (0.00033)	ND (0.00032)
alpha-BHC	0.02	NC	0.02	ND (0.00020)	ND (0.00021)	ND (0.00021)	ND (0.00022)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00042)	ND (0.00044)	ND (0.00044)	ND (0.00045)	ND (0.00044)
alpha-Chlordane	2.9	NC	0.094	ND (0.00025)	0.0024 ^a	0.0012 ^a	0.0012 ^a	ND (0.00026)
gamma-Chlordane	NC	NC	NC	ND (0.00047)	0.0023 ^b	0.0015 ^b	0.0010 ^b	ND (0.00048)
delta-BHC	0.25	NC	0.04	ND (0.00033)	ND (0.00035)	ND (0.00035)	ND (0.00036)	ND (0.00035)
Dieldrin	0.1	NC	0.005	ND (0.00026)	ND (0.00028)	ND (0.00028)	ND (0.00028)	ND (0.00027)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00027)	ND (0.00027)	ND (0.00028)	ND (0.00026)
Endosulfan II	102	NC	2.4	ND (0.00040)	ND (0.00042)	ND (0.00043)	ND (0.00044)	ND (0.00042)
Endosulfan sulfate	200	NC	2.4	ND (0.00029)	ND (0.00030)	ND (0.00031)	ND (0.00031)	ND (0.00030)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00023)	ND (0.00023)	ND (0.00024)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00035)	ND (0.00037)	ND (0.00037)	ND (0.00038)	ND (0.00037)
Endrin ketone	NC	NC	NC	ND (0.00027)	ND (0.00029)	ND (0.00029)	ND (0.00030)	ND (0.00028)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00033)	ND (0.00035)	ND (0.00035)	ND (0.00036)	ND (0.00034)
Heptachlor	0.38	NC	0.042	ND (0.00033)	ND (0.00034)	ND (0.00035)	ND (0.00035)	ND (0.00034)
Heptachlor epoxide	NC	NC	NC	ND (0.00025)	ND (0.00026)	ND (0.00027)	ND (0.00027)	ND (0.00026)
Methoxychlor	NC	1,000	NC	ND (0.00066)	ND (0.00069)	ND (0.00070)	ND (0.00071)	ND (0.00068)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0085)	ND (0.0089)	ND (0.0090)	ND (0.0092)	ND (0.0088)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

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NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Natures Choice I-78 Soil 11	Natures Choice I-78 Soil 12	Natures Choice I-78 Soil 13	Natures Choice I-78 Soil 14	Natures Choice I-78 Soil 15
LAB ID:				JB19432-11A	JB19432-12A	JB19432-13A	JB19432-14A	JB19432-15A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00039)	0.0018 ^b	ND (0.00037)	ND (0.00039)	ND (0.00039)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00029)	0.0019	ND (0.00028)	ND (0.00029)	0.0011
4,4'-DDT	47	NC	0.0033 ³	ND (0.00035)	0.0031 ^b	ND (0.00034)	ND (0.00035)	0.0023 ^b
Aldrin	0.19	NC	0.005	ND (0.00033)	ND (0.00032)	ND (0.00032)	ND (0.00033)	ND (0.00032)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00021)	ND (0.00021)	ND (0.00021)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00045)	ND (0.00043)	ND (0.00043)	ND (0.00044)	ND (0.00044)
alpha-Chlordane	2.9	NC	0.094	ND (0.00026)	0.0032 ^a	ND (0.00025)	ND (0.00026)	0.0019
gamma-Chlordane	NC	NC	NC	ND (0.00049)	0.0037 ^b	ND (0.00047)	ND (0.00049)	0.0013 ^b
delta-BHC	0.25	NC	0.04	ND (0.00035)	ND (0.00034)	ND (0.00034)	ND (0.00035)	ND (0.00035)
Dieldrin	0.1	NC	0.005	ND (0.00028)	0.0011 ^b	ND (0.00027)	ND (0.00028)	ND (0.00028)
Endosulfan I	102	NC	2.4	ND (0.00027)	ND (0.00026)	ND (0.00026)	ND (0.00027)	ND (0.00027)
Endosulfan II	102	NC	2.4	ND (0.00043)	ND (0.00042)	ND (0.00041)	ND (0.00043)	ND (0.00042)
Endosulfan sulfate	200	NC	2.4	ND (0.00031)	ND (0.00030)	ND (0.00030)	ND (0.00031)	ND (0.00030)
Endrin	0.06	NC	0.014	ND (0.00023)	ND (0.00022)	ND (0.00022)	ND (0.00023)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00037)	ND (0.00036)	ND (0.00036)	ND (0.00037)	ND (0.00037)
Endrin ketone	NC	NC	NC	ND (0.00029)	ND (0.00028)	ND (0.00028)	ND (0.00029)	ND (0.00029)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00035)	ND (0.00034)	ND (0.00034)	ND (0.00035)	ND (0.00035)
Heptachlor	0.38	NC	0.042	ND (0.00035)	ND (0.00034)	ND (0.00033)	ND (0.00035)	ND (0.00034)
Heptachlor epoxide	NC	NC	NC	ND (0.00027)	ND (0.00026)	ND (0.00026)	ND (0.00027)	ND (0.00026)
Methoxychlor	NC	1,000	NC	ND (0.00070)	ND (0.00068)	ND (0.00067)	ND (0.00070)	ND (0.00069)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0090)	ND (0.0087)	ND (0.0086)	ND (0.0090)	ND (0.0089)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

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NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Natures Choice I-78 Soil 16	Natures Choice I-78 Soil 17	Natures Choice I-78 Soil 18	Natures Choice I-78 Soil 19	Natures Choice I-78 Soil 20
LAB ID:				JB19432-16A	JB19432-17A	JB19432-18A	JB19432-19A	JB19432-20A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00038)	ND (0.00039)	ND (0.00039)	ND (0.00039)	ND (0.00040)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	0.0013	ND (0.00029)	0.0013	ND (0.00029)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00035)	0.0045	ND (0.00035)	0.0017 ^b	ND (0.00036)
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00033)	ND (0.00033)	ND (0.00033)	ND (0.00033)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00021)	ND (0.00021)	ND (0.00021)	ND (0.00022)
beta-BHC	0.09	NC	0.036	ND (0.00044)	ND (0.00044)	ND (0.00044)	ND (0.00045)	ND (0.00045)
alpha-Chlordane	2.9	NC	0.094	ND (0.00026)	0.0030 ^a	0.0014 ^a	0.0012 ^a	ND (0.00027)
gamma-Chlordane	NC	NC	NC	ND (0.00048)	0.0020 ^b	0.0014 ^b	0.0010 ^b	ND (0.00050)
delta-BHC	0.25	NC	0.04	ND (0.00035)	ND (0.00035)	ND (0.00035)	ND (0.00035)	ND (0.00036)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00028)	ND (0.00028)	ND (0.00028)	ND (0.00028)
Endosulfan I	102	NC	2.4	ND (0.00027)	ND (0.00027)	ND (0.00027)	ND (0.00027)	ND (0.00028)
Endosulfan II	102	NC	2.4	ND (0.00042)	ND (0.00043)	ND (0.00043)	ND (0.00043)	ND (0.00044)
Endosulfan sulfate	200	NC	2.4	ND (0.00030)	ND (0.00031)	ND (0.00031)	ND (0.00031)	ND (0.00031)
Endrin	0.06	NC	0.014	ND (0.00023)	ND (0.00023)	ND (0.00023)	ND (0.00023)	ND (0.00024)
Endrin aldehyde	NC	NC	NC	ND (0.00037)	ND (0.00037)	ND (0.00037)	ND (0.00038)	ND (0.00038)
Endrin ketone	NC	NC	NC	ND (0.00029)	ND (0.00029)	ND (0.00029)	ND (0.00029)	ND (0.00030)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00035)	ND (0.00035)	ND (0.00035)	ND (0.00036)
Heptachlor	0.38	NC	0.042	ND (0.00034)	ND (0.00035)	ND (0.00035)	ND (0.00035)	ND (0.00035)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00027)	ND (0.00027)	ND (0.00027)	ND (0.00027)
Methoxychlor	NC	1,000	NC	ND (0.00069)	ND (0.00070)	ND (0.00070)	ND (0.00070)	ND (0.00071)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0088)	ND (0.0090)	ND (0.0090)	ND (0.0090)	ND (0.0092)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Natures Choice I-78 Soil 21	Natures Choice I-78 Soil 22	Turnpike Basin 8C IS-1	Turnpike Basin 8C IS-2	Turnpike Basin 8C IS-3
LAB ID:				JB19432-21A	JB19432-22A	09383-024	09383-023	09383-027
COLLECTION DATE:				10/16/12	10/16/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00039)	ND (0.00040)	ND (0.00018)	ND (0.000186)	ND (0.000176)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00029)	ND (0.00030)	ND (0.00018)	ND (0.000186)	ND (0.000176)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00036)	ND (0.00036)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Aldrin	0.19	NC	0.005	ND (0.00033)	ND (0.00034)	ND (0.00018)	ND (0.000186)	ND (0.000176)
alpha-BHC	0.02	NC	0.02	ND (0.00022)	ND (0.00022)	ND (0.00018)	ND (0.000186)	ND (0.000176)
beta-BHC	0.09	NC	0.036	ND (0.00045)	ND (0.00046)	ND (0.00018)	ND (0.000186)	ND (0.000176)
alpha-Chlordane	2.9	NC	0.094	ND (0.00027)	ND (0.00027)	ND (0.00018)	ND (0.000186)	ND (0.000176)
gamma-Chlordane	NC	NC	NC	ND (0.00050)	ND (0.00051)	ND (0.00018)	ND (0.000186)	ND (0.000176)
delta-BHC	0.25	NC	0.04	ND (0.00036)	ND (0.00036)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Dieldrin	0.1	NC	0.005	ND (0.00028)	ND (0.00029)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Endosulfan I	102	NC	2.4	ND (0.00027)	ND (0.00028)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Endosulfan II	102	NC	2.4	ND (0.00043)	ND (0.00044)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Endosulfan sulfate	200	NC	2.4	ND (0.00031)	ND (0.00032)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Endrin	0.06	NC	0.014	ND (0.00023)	ND (0.00024)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Endrin aldehyde	NC	NC	NC	ND (0.00038)	ND (0.00039)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Endrin ketone	NC	NC	NC	ND (0.00029)	ND (0.00030)	ND (0.00018)	ND (0.000186)	ND (0.000176)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00035)	ND (0.00036)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Heptachlor	0.38	NC	0.042	ND (0.00035)	ND (0.00036)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Heptachlor epoxide	NC	NC	NC	ND (0.00027)	ND (0.00028)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Methoxychlor	NC	1,000	NC	ND (0.00071)	ND (0.00072)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	ND (0.022)	ND (0.021)	ND (0.018)
2,4,5-T	NC	1,000	NC	NA	NA	ND (0.022)	ND (0.021)	ND (0.018)
2,4-D	NC	1,000	NC	NA	NA	ND (0.022)	ND (0.021)	ND (0.018)
Toxaphene	NC	NC	NC	ND (0.0091)	ND (0.0093)	ND (0.00216)	ND (0.00223)	ND (0.00211)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Turnpike Basin 8C IS-4	Turnpike Basin 8C IS-5	Turnpike Basin 8C IS-6	Turnpike Basin 8C IS-7	Turnpike Basin 8C IS-8
LAB ID:				09383-021	09383-022	09383-025	09383-026	09383-028
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Aldrin	0.19	NC	0.005	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
alpha-BHC	0.02	NC	0.02	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
beta-BHC	0.09	NC	0.036	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
alpha-Chlordane	2.9	NC	0.094	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
gamma-Chlordane	NC	NC	NC	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
delta-BHC	0.25	NC	0.04	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Dieldrin	0.1	NC	0.005	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Endosulfan I	102	NC	2.4	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Endosulfan II	102	NC	2.4	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Endosulfan sulfate	200	NC	2.4	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Endrin	0.06	NC	0.014	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Endrin aldehyde	NC	NC	NC	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Endrin ketone	NC	NC	NC	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Heptachlor	0.38	NC	0.042	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Heptachlor epoxide	NC	NC	NC	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Methoxychlor	NC	1,000	NC	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.021)
2,4,5-T	NC	1,000	NC	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.021)
2,4-D	NC	1,000	NC	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.021)
Toxaphene	NC	NC	NC	ND (0.00216)	ND (0.00214)	ND (0.00214)	ND (0.0021)	ND (0.00222)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Turnpike Basin 8C IS-9	Turnpike Basin 8C IS-10	Turnpike Basin 8C IS-11	Turnpike Basin 8C IS-12	Turnpike Basin 8C IS-13
LAB ID:				09383-029	09383-030	09383-012	09383-011	09383-020
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
4,4'-DDE	17	NC	0.0033 ³	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
4,4'-DDT	47	NC	0.0033 ³	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Aldrin	0.19	NC	0.005	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
alpha-BHC	0.02	NC	0.02	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
beta-BHC	0.09	NC	0.036	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
alpha-Chlordane	2.9	NC	0.094	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
gamma-Chlordane	NC	NC	NC	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
delta-BHC	0.25	NC	0.04	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Dieldrin	0.1	NC	0.005	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Endosulfan I	102	NC	2.4	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Endosulfan II	102	NC	2.4	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Endosulfan sulfate	200	NC	2.4	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Endrin	0.06	NC	0.014	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Endrin aldehyde	NC	NC	NC	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Endrin ketone	NC	NC	NC	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Heptachlor	0.38	NC	0.042	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Heptachlor epoxide	NC	NC	NC	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Methoxychlor	NC	1,000	NC	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	ND (0.021)	ND (0.021)	ND (0.019)	ND (0.020)	ND (0.020)
2,4,5-T	NC	1,000	NC	ND (0.021)	ND (0.021)	ND (0.019)	ND (0.020)	ND (0.020)
2,4-D	NC	1,000	NC	ND (0.021)	ND (0.021)	ND (0.019)	ND (0.020)	ND (0.020)
Toxaphene	NC	NC	NC	ND (0.00215)	ND (0.00215)	ND (0.00212)	ND (0.00214)	ND (0.00216)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Turnpike Basin 8C IS-14	Turnpike Basin 8C IS-15	Turnpike Basin 8C IS-16	Turnpike Basin 8C IS-17	Turnpike Basin 8C IS-18
LAB ID:				09383-019	09383-018	09383-017	09383-016	09383-015
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
4,4'-DDE	17	NC	0.0033 ³	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
4,4'-DDT	47	NC	0.0033 ³	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Aldrin	0.19	NC	0.005	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
alpha-BHC	0.02	NC	0.02	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
beta-BHC	0.09	NC	0.036	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
alpha-Chlordane	2.9	NC	0.094	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
gamma-Chlordane	NC	NC	NC	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
delta-BHC	0.25	NC	0.04	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Dieldrin	0.1	NC	0.005	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Endosulfan I	102	NC	2.4	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Endosulfan II	102	NC	2.4	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Endosulfan sulfate	200	NC	2.4	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Endrin	0.06	NC	0.014	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Endrin aldehyde	NC	NC	NC	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Endrin ketone	NC	NC	NC	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Heptachlor	0.38	NC	0.042	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Heptachlor epoxide	NC	NC	NC	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Methoxychlor	NC	1,000	NC	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	ND (0.021)	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.020)
2,4,5-T	NC	1,000	NC	ND (0.021)	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.020)
2,4-D	NC	1,000	NC	ND (0.021)	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.020)
Toxaphene	NC	NC	NC	ND (0.00212)	ND (0.00214)	ND (0.0021)	ND (0.00215)	ND (0.00218)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Turnpike Basin 8C IS-19	Turnpike Basin 8C IS-20	Turnpike Basin 8C IS-21	Turnpike Basin 8C IS-22	Turnpike Basin 8C IS-23
LAB ID:				09383-014	09383-013	09383-010	09383-004	09383-005
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
4,4'-DDE	17	NC	0.0033 ³	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
4,4'-DDT	47	NC	0.0033 ³	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Aldrin	0.19	NC	0.005	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
alpha-BHC	0.02	NC	0.02	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
beta-BHC	0.09	NC	0.036	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
alpha-Chlordane	2.9	NC	0.094	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
gamma-Chlordane	NC	NC	NC	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
delta-BHC	0.25	NC	0.04	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Dieldrin	0.1	NC	0.005	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Endosulfan I	102	NC	2.4	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Endosulfan II	102	NC	2.4	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Endosulfan sulfate	200	NC	2.4	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Endrin	0.06	NC	0.014	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Endrin aldehyde	NC	NC	NC	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Endrin ketone	NC	NC	NC	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Heptachlor	0.38	NC	0.042	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Heptachlor epoxide	NC	NC	NC	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Methoxychlor	NC	1,000	NC	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.019)
2,4,5-T	NC	1,000	NC	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.019)
2,4-D	NC	1,000	NC	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.019)
Toxaphene	NC	NC	NC	ND (0.00215)	ND (0.0022)	ND (0.00215)	ND (0.00216)	ND (0.00218)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Turnpike Basin 8C IS-24	Turnpike Basin 8C IS-25	Turnpike Basin 8C IS-26	Turnpike Basin 8C IS-27	Turnpike Basin 8C IS-28
LAB ID:				09383-006	09383-007	09383-008	09383-009	09383-001
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Aldrin	0.19	NC	0.005	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
alpha-BHC	0.02	NC	0.02	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
beta-BHC	0.09	NC	0.036	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
alpha-Chlordane	2.9	NC	0.094	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
gamma-Chlordane	NC	NC	NC	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
delta-BHC	0.25	NC	0.04	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Dieldrin	0.1	NC	0.005	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Endosulfan I	102	NC	2.4	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Endosulfan II	102	NC	2.4	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Endosulfan sulfate	200	NC	2.4	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Endrin	0.06	NC	0.014	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Endrin aldehyde	NC	NC	NC	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Endrin ketone	NC	NC	NC	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Heptachlor	0.38	NC	0.042	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Heptachlor epoxide	NC	NC	NC	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Methoxychlor	NC	1,000	NC	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.021)
2,4,5-T	NC	1,000	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.021)
2,4-D	NC	1,000	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.021)
Toxaphene	NC	NC	NC	ND (0.00216)	ND (0.00211)	ND (0.0021)	ND (0.0021)	ND (0.00217)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Turnpike Basin 8C IS-29	Turnpike Basin 8C IS-30	Bayonne FD-1	Bayonne FD-2	Bayonne FD-3
SAMPLE ID:								
LAB ID:				09383-002	09383-003	JB33052-1A	JB33052-2A	JB33052-3A
COLLECTION DATE:				9/17/12	9/17/12	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00018)	ND (0.000189)	ND (0.00036)	ND (0.00036)	ND (0.00037)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00018)	ND (0.000189)	ND (0.00026)	ND (0.00026)	ND (0.00027)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00018)	ND (0.000189)	ND (0.00032)	ND (0.00032)	ND (0.00033)
Aldrin	0.19	NC	0.005	ND (0.00018)	ND (0.000189)	ND (0.00030)	ND (0.00030)	ND (0.00031)
alpha-BHC	0.02	NC	0.02	ND (0.00018)	ND (0.000189)	ND (0.00020)	ND (0.00020)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00018)	ND (0.000189)	ND (0.00041)	ND (0.00041)	ND (0.00042)
alpha-Chlordane	2.9	NC	0.094	ND (0.00018)	ND (0.000189)	ND (0.00024)	ND (0.00024)	ND (0.00025)
gamma-Chlordane	NC	NC	NC	ND (0.00018)	ND (0.000189)	ND (0.00045)	ND (0.00045)	ND (0.00046)
delta-BHC	0.25	NC	0.04	ND (0.00018)	ND (0.000189)	ND (0.00032)	ND (0.00032)	ND (0.00033)
Dieldrin	0.1	NC	0.005	ND (0.00018)	ND (0.000189)	ND (0.00026)	ND (0.00026)	ND (0.00026)
Endosulfan I	102	NC	2.4	ND (0.00018)	ND (0.000189)	ND (0.00025)	ND (0.00025)	ND (0.00025)
Endosulfan II	102	NC	2.4	ND (0.00018)	ND (0.000189)	ND (0.00039)	ND (0.00039)	ND (0.00040)
Endosulfan sulfate	200	NC	2.4	ND (0.00018)	ND (0.000189)	ND (0.00028)	ND (0.00028)	ND (0.00029)
Endrin	0.06	NC	0.014	ND (0.00018)	ND (0.000189)	ND (0.00021)	ND (0.00021)	ND (0.00022)
Endrin aldehyde	NC	NC	NC	ND (0.00018)	ND (0.000189)	ND (0.00034)	ND (0.00034)	ND (0.00035)
Endrin ketone	NC	NC	NC	ND (0.00018)	ND (0.000189)	ND (0.00027)	ND (0.00027)	ND (0.00027)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00018)	ND (0.000189)	ND (0.00032)	ND (0.00032)	ND (0.00033)
Heptachlor	0.38	NC	0.042	ND (0.00018)	ND (0.000189)	ND (0.00032)	ND (0.00032)	ND (0.00033)
Heptachlor epoxide	NC	NC	NC	ND (0.00018)	ND (0.000189)	ND (0.00024)	ND (0.00025)	ND (0.00025)
Methoxychlor	NC	1,000	NC	ND (0.00018)	ND (0.000189)	ND (0.00064)	ND (0.00064)	ND (0.00066)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	ND (0.019)	ND (0.021)	NA	NA	NA
2,4,5-T	NC	1,000	NC	ND (0.019)	ND (0.021)	NA	NA	NA
2,4-D	NC	1,000	NC	ND (0.019)	ND (0.021)	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.00216)	ND (0.00227)	ND (0.0082)	ND (0.0083)	ND (0.0084)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Bayonne FD-4	Bayonne FD-5	Bayonne FD-6	Bayonne FD-7	Bayonne FD-8
SAMPLE ID:								
LAB ID:				JB33052-4A	JB33052-5A	JB33052-6A	JB33052-7A	JB33052-8A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00037)	ND (0.00037)	ND (0.00038)	ND (0.00034)	ND (0.00037)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	ND (0.00027)	ND (0.00028)	ND (0.00025)	ND (0.00027)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00034)	ND (0.00034)	ND (0.00034)	ND (0.00031)	ND (0.00034)
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00031)	ND (0.00032)	ND (0.00029)	ND (0.00031)
alpha-BHC	0.02	NC	0.02	ND (0.00020)	ND (0.00020)	ND (0.00021)	ND (0.00019)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00043)	ND (0.00042)	ND (0.00043)	ND (0.00039)	ND (0.00042)
alpha-Chlordane	2.9	NC	0.094	ND (0.00025)	ND (0.00025)	ND (0.00026)	ND (0.00023)	ND (0.00025)
gamma-Chlordane	NC	NC	NC	ND (0.00047)	ND (0.00047)	ND (0.00048)	ND (0.00044)	ND (0.00047)
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00034)	ND (0.00034)	ND (0.00031)	ND (0.00034)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00027)	ND (0.00027)	ND (0.00025)	ND (0.00027)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00026)	ND (0.00026)	ND (0.00024)	ND (0.00026)
Endosulfan II	102	NC	2.4	ND (0.00041)	ND (0.00041)	ND (0.00041)	ND (0.00038)	ND (0.00041)
Endosulfan sulfate	200	NC	2.4	ND (0.00029)	ND (0.00029)	ND (0.00030)	ND (0.00027)	ND (0.00029)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00020)	ND (0.00022)
Endrin aldehyde	NC	NC	NC	ND (0.00036)	ND (0.00036)	ND (0.00036)	ND (0.00033)	ND (0.00036)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00028)	ND (0.00028)	ND (0.00026)	ND (0.00028)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00033)	ND (0.00034)	ND (0.00031)	ND (0.00033)
Heptachlor	0.38	NC	0.042	ND (0.00033)	ND (0.00033)	ND (0.00034)	ND (0.00031)	ND (0.00033)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00025)	ND (0.00026)	ND (0.00024)	ND (0.00026)
Methoxychlor	NC	1,000	NC	ND (0.00067)	ND (0.00067)	ND (0.00068)	ND (0.00062)	ND (0.00067)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0086)	ND (0.0086)	ND (0.0087)	ND (0.0079)	ND (0.0086)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Bayonne FD-9	Bayonne FD-10	Bayonne FD-11	Bayonne FD-12	Bayonne FD-13
SAMPLE ID:								
LAB ID:				JB33052-9A	JB33052-10A	JB33052-11A	JB33052-12A	JB33052-13A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00038)	ND (0.00036)	ND (0.00035)	ND (0.00035)	ND (0.00037)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	ND (0.00027)	ND (0.00026)	ND (0.00026)	ND (0.00028)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00034)	ND (0.00033)	ND (0.00032)	ND (0.00032)	ND (0.00034)
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00031)	ND (0.00030)	ND (0.00030)	ND (0.00031)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00020)	ND (0.00019)	ND (0.00019)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00043)	ND (0.00041)	ND (0.00040)	ND (0.00040)	ND (0.00043)
alpha-Chlordane	2.9	NC	0.094	ND (0.00025)	ND (0.00025)	ND (0.00024)	ND (0.00024)	ND (0.00025)
gamma-Chlordane	NC	NC	NC	ND (0.00048)	ND (0.00046)	ND (0.00044)	ND (0.00045)	ND (0.00047)
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00033)	ND (0.00032)	ND (0.00032)	ND (0.00034)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00026)	ND (0.00025)	ND (0.00025)	ND (0.00027)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00025)	ND (0.00024)	ND (0.00025)	ND (0.00026)
Endosulfan II	102	NC	2.4	ND (0.00041)	ND (0.00040)	ND (0.00038)	ND (0.00039)	ND (0.00041)
Endosulfan sulfate	200	NC	2.4	ND (0.00030)	ND (0.00029)	ND (0.00028)	ND (0.00028)	ND (0.00029)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00022)	ND (0.00021)	ND (0.00021)	ND (0.00022)
Endrin aldehyde	NC	NC	NC	ND (0.00036)	ND (0.00035)	ND (0.00034)	ND (0.00034)	ND (0.00036)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00027)	ND (0.00026)	ND (0.00026)	ND (0.00028)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00033)	ND (0.00031)	ND (0.00032)	ND (0.00033)
Heptachlor	0.38	NC	0.042	ND (0.00034)	ND (0.00032)	ND (0.00031)	ND (0.00032)	ND (0.00033)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00025)	ND (0.00024)	ND (0.00024)	ND (0.00026)
Methoxychlor	NC	1,000	NC	ND (0.00067)	ND (0.00065)	ND (0.00063)	ND (0.00064)	ND (0.00067)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0087)	ND (0.0084)	ND (0.0081)	ND (0.0082)	ND (0.0086)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Bayonne FD-14	Bayonne FD-15	Bayonne FD-16	Bayonne FD-17	Bayonne FD-18
SAMPLE ID:								
LAB ID:				JB33052-14A	JB33052-15A	JB33052-16A	JB33052-17A	JB33052-18A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00038)	ND (0.00037)	ND (0.00037)	ND (0.00037)	ND (0.00038)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	ND (0.00027)	ND (0.00027)	ND (0.00027)	ND (0.00028)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00034)	ND (0.00033)	ND (0.00033)	ND (0.00033)	ND (0.00034)
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00031)	ND (0.00031)	ND (0.00031)	ND (0.00032)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00020)	ND (0.00020)	ND (0.00020)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00043)	ND (0.00042)	ND (0.00042)	ND (0.00042)	ND (0.00043)
alpha-Chlordane	2.9	NC	0.094	ND (0.00026)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00026)
gamma-Chlordane	NC	NC	NC	ND (0.00048)	ND (0.00047)	ND (0.00046)	ND (0.00046)	ND (0.00048)
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00034)	ND (0.00033)	ND (0.00033)	ND (0.00034)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00027)	ND (0.00026)	ND (0.00026)	ND (0.00027)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00026)	ND (0.00025)	ND (0.00025)	ND (0.00026)
Endosulfan II	102	NC	2.4	ND (0.00041)	ND (0.00041)	ND (0.00040)	ND (0.00040)	ND (0.00042)
Endosulfan sulfate	200	NC	2.4	ND (0.00030)	ND (0.00029)	ND (0.00029)	ND (0.00029)	ND (0.00030)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00036)	ND (0.00036)	ND (0.00035)	ND (0.00035)	ND (0.00036)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00028)	ND (0.00027)	ND (0.00027)	ND (0.00028)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00033)	ND (0.00033)	ND (0.00033)	ND (0.00034)
Heptachlor	0.38	NC	0.042	ND (0.00034)	ND (0.00033)	ND (0.00033)	ND (0.00033)	ND (0.00034)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00026)
Methoxychlor	NC	1,000	NC	ND (0.00068)	ND (0.00066)	ND (0.00066)	ND (0.00066)	ND (0.00068)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0087)	ND (0.0086)	ND (0.0084)	ND (0.0085)	ND (0.0088)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Bayonne FD-19	Bayonne FD-20	Bayonne FD-21	Bayonne FD-22	Bayonne FD-DUP1
LAB ID:				JB33052-19A	JB33052-20A	JB33052-21A	JB33052-22A	JB33052-23A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00035)	ND (0.00037)	ND (0.00038)	ND (0.00037)	ND (0.00037)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00026)	ND (0.00028)	ND (0.00028)	ND (0.00028)	ND (0.00027)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00032)	ND (0.00034)	ND (0.00034)	ND (0.00034)	ND (0.00033)
Aldrin	0.19	NC	0.005	ND (0.00030)	ND (0.00032)	ND (0.00032)	ND (0.00031)	ND (0.00031)
alpha-BHC	0.02	NC	0.02	ND (0.00019)	ND (0.00021)	ND (0.00021)	ND (0.00020)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00040)	ND (0.00043)	ND (0.00043)	ND (0.00043)	ND (0.00042)
alpha-Chlordane	2.9	NC	0.094	ND (0.00024)	ND (0.00025)	ND (0.00026)	ND (0.00025)	ND (0.00025)
gamma-Chlordane	NC	NC	NC	ND (0.00045)	ND (0.00047)	ND (0.00048)	ND (0.00047)	ND (0.00046)
delta-BHC	0.25	NC	0.04	ND (0.00032)	ND (0.00034)	ND (0.00034)	ND (0.00034)	ND (0.00033)
Dieldrin	0.1	NC	0.005	ND (0.00025)	ND (0.00027)	ND (0.00027)	ND (0.00027)	ND (0.00026)
Endosulfan I	102	NC	2.4	ND (0.00024)	ND (0.00026)	ND (0.00026)	ND (0.00026)	ND (0.00025)
Endosulfan II	102	NC	2.4	ND (0.00039)	ND (0.00041)	ND (0.00042)	ND (0.00041)	ND (0.00040)
Endosulfan sulfate	200	NC	2.4	ND (0.00028)	ND (0.00029)	ND (0.00030)	ND (0.00029)	ND (0.00029)
Endrin	0.06	NC	0.014	ND (0.00021)	ND (0.00022)	ND (0.00023)	ND (0.00022)	ND (0.00022)
Endrin aldehyde	NC	NC	NC	ND (0.00034)	ND (0.00036)	ND (0.00036)	ND (0.00036)	ND (0.00035)
Endrin ketone	NC	NC	NC	ND (0.00026)	ND (0.00028)	ND (0.00028)	ND (0.00028)	ND (0.00027)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00032)	ND (0.00034)	ND (0.00034)	ND (0.00034)	ND (0.00033)
Heptachlor	0.38	NC	0.042	ND (0.00031)	ND (0.00033)	ND (0.00034)	ND (0.00033)	ND (0.00033)
Heptachlor epoxide	NC	NC	NC	ND (0.00024)	ND (0.00026)	ND (0.00026)	ND (0.00026)	ND (0.00025)
Methoxychlor	NC	1,000	NC	ND (0.00063)	ND (0.00067)	ND (0.00068)	ND (0.00067)	ND (0.00066)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0081)	ND (0.0086)	ND (0.0088)	ND (0.0086)	ND (0.0084)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Bayonne FD-DUP2	
SAMPLE ID:				JB33052-24A	
LAB ID:				4/2/13	
COLLECTION DATE:				Soil	
SAMPLE MATRIX:				mg/kg	
UNITS:					
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	
4,4'-DDD	14	NC	0.0033 ³	ND (0.00036)	
4,4'-DDE	17	NC	0.0033 ³	ND (0.00026)	
4,4'-DDT	47	NC	0.0033 ³	ND (0.00032)	
Aldrin	0.19	NC	0.005	ND (0.00030)	
alpha-BHC	0.02	NC	0.02	ND (0.00019)	
beta-BHC	0.09	NC	0.036	ND (0.00041)	
alpha-Chlordane	2.9	NC	0.094	ND (0.00024)	
gamma-Chlordane	NC	NC	NC	ND (0.00045)	
delta-BHC	0.25	NC	0.04	ND (0.00032)	
Dieldrin	0.1	NC	0.005	ND (0.00025)	
Endosulfan I	102	NC	2.4	ND (0.00025)	
Endosulfan II	102	NC	2.4	ND (0.00039)	
Endosulfan sulfate	200	NC	2.4	ND (0.00028)	
Endrin	0.06	NC	0.014	ND (0.00021)	
Endrin aldehyde	NC	NC	NC	ND (0.00034)	
Endrin ketone	NC	NC	NC	ND (0.00026)	
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00032)	
Heptachlor	0.38	NC	0.042	ND (0.00032)	
Heptachlor epoxide	NC	NC	NC	ND (0.00024)	
Methoxychlor	NC	1,000	NC	ND (0.00064)	
Parathion	NC	1,000	NC	NA	
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	
2,4,5-T	NC	1,000	NC	NA	
2,4-D	NC	1,000	NC	NA	
Toxaphene	NC	NC	NC	ND (0.0082)	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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^(B) - Criteria is from New York State Department of Environmental

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Weldon Fanwood Screening	Weldon Fanwood Select Fill	Allocco	Tilcon New York, Inc	Amboy Aggregates Sand
SAMPLE ID:				JB15010-1A	JB15010-2A	1012806-01	07616-001	E11-12558-001
LAB ID:				JB15010-1A	JB15010-2A	1012806-01	07616-001	E11-12558-001
COLLECTION DATE:				8/29/12	8/29/12	1/24/11	8/3/12	12/16/11
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
4,4'-DDE	17	NC	0.0033 ³	<0.00068	<0.00077	NA	<0.000336	<0.000324
4,4'-DDT	47	NC	0.0033 ³	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Aldrin	0.19	NC	0.005	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
alpha-BHC	0.02	NC	0.02	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
beta-BHC	0.09	NC	0.036	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
alpha-Chlordane	2.9	NC	0.094	<0.00068	<0.00077	NA	<0.000336	<0.000324
gamma-Chlordane	NC	NC	NC	<0.00068	<0.00077	<0.045	<0.000336	<0.000324
delta-BHC	0.25	NC	0.04	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Dieldrin	0.1	NC	0.005	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Endosulfan I	102	NC	2.4	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Endosulfan II	102	NC	2.4	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Endosulfan sulfate	200	NC	2.4	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Endrin	0.06	NC	0.014	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Endrin aldehyde	NC	NC	NC	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Endrin ketone	NC	NC	NC	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
gamma-BHC (Lindane)	0.1	NC	NC	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Heptachlor	0.38	NC	0.042	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Heptachlor epoxide	NC	NC	NC	<0.00068	<0.00077	<0.015	<0.000336	<0.000324
Methoxychlor	NC	1,000	NC	<0.0014	<0.0015	<0.015	<0.000336	<0.000324
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	<0.015	NA	NA
Toxaphene	NC	NC	NC	<0.017	<0.019	NA	<0.0042	<0.00405

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Amboy Aggregates Sand 1	Amboy Aggregates Sand 2	Bayshore Screening Pile - Soil 1	Bayshore Screening Pile - Soil 2	Bayshore Screening Pile - Soil 3
LAB ID:				JB19430-1A	JB19430-2A	JB19431-1A	JB19431-2A	JB19431-3A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	<0.00070	<0.00066	ND (0.00037)	ND (0.00043)	ND (0.00042)
4,4'-DDE	17	NC	0.0033 ³	<0.00070	<0.00066	ND (0.00027)	ND (0.00032)	ND (0.00031)
4,4'-DDT	47	NC	0.0033 ³	<0.00070	<0.00066	ND (0.00033)	ND (0.00039)	ND (0.00038)
Aldrin	0.19	NC	0.005	<0.00070	<0.00066	ND (0.00031)	ND (0.00036)	ND (0.00036)
alpha-BHC	0.02	NC	0.02	<0.00070	<0.00066	ND (0.00020)	ND (0.00023)	ND (0.00023)
beta-BHC	0.09	NC	0.036	<0.00070	<0.00066	ND (0.00042)	ND (0.00049)	ND (0.00048)
alpha-Chlordane	2.9	NC	0.094	<0.00070	<0.00066	ND (0.00025)	ND (0.00029)	ND (0.00029)
gamma-Chlordane	NC	NC	NC	<0.00070	<0.00066	ND (0.00046)	ND (0.00054)	ND (0.00053)
delta-BHC	0.25	NC	0.04	<0.00070	<0.00066	ND (0.00033)	ND (0.00039)	ND (0.00038)
Dieldrin	0.1	NC	0.005	<0.00070	<0.00066	ND (0.00026)	ND (0.00031)	ND (0.00030)
Endosulfan I	102	NC	2.4	<0.00070	<0.00066	ND (0.00025)	ND (0.00030)	ND (0.00029)
Endosulfan II	102	NC	2.4	<0.00070	<0.00066	ND (0.00040)	ND (0.00047)	ND (0.00046)
Endosulfan sulfate	200	NC	2.4	<0.00070	<0.00066	ND (0.00029)	ND (0.00034)	ND (0.00033)
Endrin	0.06	NC	0.014	<0.00070	<0.00066	ND (0.00022)	ND (0.00025)	ND (0.00025)
Endrin aldehyde	NC	NC	NC	<0.00070	<0.00066	ND (0.00035)	ND (0.00041)	ND (0.00040)
Endrin ketone	NC	NC	NC	<0.00070	<0.00066	ND (0.00027)	ND (0.00032)	ND (0.00031)
gamma-BHC (Lindane)	0.1	NC	NC	<0.00070	<0.00066	ND (0.00033)	ND (0.00038)	ND (0.00038)
Heptachlor	0.38	NC	0.042	<0.00070	<0.00066	ND (0.00033)	ND (0.00038)	ND (0.00038)
Heptachlor epoxide	NC	NC	NC	<0.00070	<0.00066	ND (0.00025)	ND (0.00029)	ND (0.00029)
Methoxychlor	NC	1,000	NC	<0.0014	<0.0013	ND (0.00066)	ND (0.00077)	ND (0.00076)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	<0.018	<0.016	ND (0.0084)	ND (0.0098)	ND (0.0097)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Bayshore Screening Pile - Soil 4	Bayshore Screening Pile - Soil 5	Bayshore Screening Pile - Soil 6	Bayshore Screening Pile - Soil 7	Bayshore Screening Pile - Soil 8
LAB ID:				JB19431-4A	JB19431-5A	JB19431-6A	JB19431-7A	JB19431-8A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00042)	ND (0.00043)	ND (0.00043)	ND (0.00042)	ND (0.00043)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00031)	ND (0.00031)	ND (0.00032)	ND (0.00031)	ND (0.00032)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00038)	ND (0.00038)	ND (0.00039)	ND (0.00038)	ND (0.00039)
Aldrin	0.19	NC	0.005	ND (0.00035)	ND (0.00036)	ND (0.00036)	ND (0.00035)	ND (0.00036)
alpha-BHC	0.02	NC	0.02	ND (0.00023)	ND (0.00023)	ND (0.00024)	ND (0.00023)	ND (0.00024)
beta-BHC	0.09	NC	0.036	ND (0.00048)	ND (0.00049)	ND (0.00049)	ND (0.00047)	ND (0.00049)
alpha-Chlordane	2.9	NC	0.094	ND (0.00028)	ND (0.00029)	ND (0.00029)	ND (0.00028)	ND (0.00029)
gamma-Chlordane	NC	NC	NC	ND (0.00053)	ND (0.00054)	ND (0.00054)	ND (0.00053)	ND (0.00054)
delta-BHC	0.25	NC	0.04	ND (0.00038)	ND (0.00038)	ND (0.00039)	ND (0.00038)	ND (0.00039)
Dieldrin	0.1	NC	0.005	ND (0.00030)	ND (0.00030)	ND (0.00031)	ND (0.00030)	ND (0.00031)
Endosulfan I	102	NC	2.4	ND (0.00029)	ND (0.00030)	ND (0.00030)	ND (0.00029)	ND (0.00030)
Endosulfan II	102	NC	2.4	ND (0.00046)	ND (0.00047)	ND (0.00047)	ND (0.00046)	ND (0.00047)
Endosulfan sulfate	200	NC	2.4	ND (0.00033)	ND (0.00033)	ND (0.00034)	ND (0.00033)	ND (0.00034)
Endrin	0.06	NC	0.014	ND (0.00025)	ND (0.00025)	ND (0.00026)	ND (0.00025)	ND (0.00026)
Endrin aldehyde	NC	NC	NC	ND (0.00040)	ND (0.00041)	ND (0.00041)	ND (0.00040)	ND (0.00041)
Endrin ketone	NC	NC	NC	ND (0.00031)	ND (0.00032)	ND (0.00032)	ND (0.00031)	ND (0.00032)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00037)	ND (0.00038)	ND (0.00039)	ND (0.00037)	ND (0.00039)
Heptachlor	0.38	NC	0.042	ND (0.00037)	ND (0.00038)	ND (0.00038)	ND (0.00037)	ND (0.00038)
Heptachlor epoxide	NC	NC	NC	ND (0.00029)	ND (0.00029)	ND (0.00030)	ND (0.00028)	ND (0.00030)
Methoxychlor	NC	1,000	NC	ND (0.00075)	ND (0.00076)	ND (0.00077)	ND (0.00075)	ND (0.00077)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0096)	ND (0.0098)	ND (0.0099)	ND (0.0096)	ND (0.0099)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

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NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Bayshore Screening Pile - Soil 9	Bayshore Screening Pile - Soil 10	Bayshore Screening Pile - Soil 11	Bayshore Screening Pile - Soil 12	Bayshore Screening Pile - Soil 13
SAMPLE ID:								
LAB ID:				JB19431-9A	JB19431-10A	JB19431-11A	JB19431-12A	JB19431-13A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00038)	ND (0.00040)	ND (0.00042)	ND (0.00039)	ND (0.00038)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	ND (0.00030)	ND (0.00031)	ND (0.00029)	ND (0.00028)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00034)	ND (0.00036)	ND (0.00037)	ND (0.00036)	0.0015 ^b
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00034)	ND (0.00035)	ND (0.00033)	ND (0.00032)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00022)	ND (0.00023)	ND (0.00022)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00043)	ND (0.00046)	ND (0.00047)	ND (0.00045)	ND (0.00044)
alpha-Chlordane	2.9	NC	0.094	ND (0.00026)	ND (0.00027)	ND (0.00028)	ND (0.00027)	0.00093
gamma-Chlordane	NC	NC	NC	ND (0.00048)	ND (0.00051)	ND (0.00052)	ND (0.00050)	0.0011
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00036)	ND (0.00038)	ND (0.00036)	ND (0.00035)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00029)	ND (0.00030)	ND (0.00028)	ND (0.00027)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00028)	ND (0.00029)	ND (0.00027)	ND (0.00027)
Endosulfan II	102	NC	2.4	ND (0.00042)	ND (0.00044)	ND (0.00046)	ND (0.00043)	ND (0.00042)
Endosulfan sulfate	200	NC	2.4	ND (0.00030)	ND (0.00032)	ND (0.00033)	ND (0.00031)	ND (0.00030)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00024)	ND (0.00025)	ND (0.00023)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00036)	ND (0.00038)	ND (0.00040)	ND (0.00038)	ND (0.00037)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00030)	ND (0.00031)	ND (0.00029)	ND (0.00029)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00036)	ND (0.00037)	ND (0.00035)	ND (0.00034)
Heptachlor	0.38	NC	0.042	ND (0.00034)	ND (0.00036)	ND (0.00037)	ND (0.00035)	ND (0.00034)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00027)	ND (0.00028)	ND (0.00027)	ND (0.00026)
Methoxychlor	NC	1,000	NC	ND (0.00068)	ND (0.00072)	ND (0.00074)	ND (0.00071)	ND (0.00069)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.00087)	ND (0.00092)	ND (0.00096)	ND (0.00091)	ND (0.00088)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Bayshore Screening Pile - Soil 14	Bayshore Screening Pile - Soil 15	Former Raritan Arsenal Fill - Soil 1	Former Raritan Arsenal Fill - Soil 2	Former Raritan Arsenal Fill - Soil 3
LAB ID:				JB19431-14A	JB19431-15A	JB19112-1A	JB19112-2A	JB19112-3A
COLLECTION DATE:				10/16/12	10/16/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00041)	ND (0.00039)	ND (0.00041)	ND (0.00037)	ND (0.00036)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00030)	ND (0.00029)	ND (0.00030)	ND (0.00028)	ND (0.00027)
4,4'-DDT	47	NC	0.0033 ³	0.00099 ^c	0.0023	ND (0.00037)	ND (0.00034)	ND (0.00033)
Aldrin	0.19	NC	0.005	ND (0.00035)	ND (0.00033)	ND (0.00035)	ND (0.00031)	ND (0.00030)
alpha-BHC	0.02	NC	0.02	ND (0.00022)	ND (0.00021)	ND (0.00023)	ND (0.00020)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00047)	ND (0.00045)	ND (0.00047)	ND (0.00043)	ND (0.00041)
alpha-Chlordane	2.9	NC	0.094	ND (0.00028)	ND (0.00027)	ND (0.00028)	ND (0.00025)	ND (0.00024)
gamma-Chlordane	NC	NC	NC	ND (0.00052)	ND (0.00050)	ND (0.00052)	ND (0.00047)	ND (0.00046)
delta-BHC	0.25	NC	0.04	ND (0.00037)	ND (0.00036)	ND (0.00037)	ND (0.00034)	ND (0.00033)
Dieldrin	0.1	NC	0.005	ND (0.00029)	ND (0.00028)	ND (0.00030)	ND (0.00027)	ND (0.00026)
Endosulfan I	102	NC	2.4	ND (0.00028)	ND (0.00027)	ND (0.00029)	ND (0.00026)	ND (0.00025)
Endosulfan II	102	NC	2.4	ND (0.00045)	ND (0.00043)	ND (0.00045)	ND (0.00041)	ND (0.00040)
Endosulfan sulfate	200	NC	2.4	ND (0.00032)	ND (0.00031)	ND (0.00032)	ND (0.00029)	ND (0.00028)
Endrin	0.06	NC	0.014	ND (0.00024)	ND (0.00023)	ND (0.00024)	ND (0.00022)	ND (0.00021)
Endrin aldehyde	NC	NC	NC	ND (0.00039)	ND (0.00038)	ND (0.00039)	ND (0.00036)	ND (0.00035)
Endrin ketone	NC	NC	NC	ND (0.00031)	ND (0.00029)	ND (0.00031)	ND (0.00028)	ND (0.00027)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00037)	ND (0.00035)	ND (0.00037)	ND (0.00034)	ND (0.00032)
Heptachlor	0.38	NC	0.042	ND (0.00037)	ND (0.00035)	ND (0.00037)	ND (0.00033)	ND (0.00032)
Heptachlor epoxide	NC	NC	NC	ND (0.00028)	ND (0.00027)	ND (0.00028)	ND (0.00026)	ND (0.00025)
Methoxychlor	NC	1,000	NC	ND (0.00073)	ND (0.00070)	ND (0.00074)	ND (0.00067)	ND (0.00065)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0095)	ND (0.0091)	ND (0.0095)	ND (0.0086)	ND (0.0083)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 4	Former Raritan Arsenal Fill - Soil 5	Former Raritan Arsenal Fill - Soil 6	Former Raritan Arsenal Fill - Soil 7	Former Raritan Arsenal Fill - Soil 8
LAB ID:				JB19112-4A	JB19112-5A	JB19112-6A	JB19112-7A	JB19112-8A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00038)	ND (0.00040)	ND (0.00036)	ND (0.00036)	ND (0.00034)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	ND (0.00030)	ND (0.00027)	ND (0.00027)	ND (0.00025)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00034)	ND (0.00036)	ND (0.00033)	ND (0.00033)	ND (0.00030)
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00034)	ND (0.00031)	ND (0.00030)	ND (0.00028)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00022)	ND (0.00020)	ND (0.00020)	ND (0.00018)
beta-BHC	0.09	NC	0.036	ND (0.00043)	ND (0.00046)	ND (0.00041)	ND (0.00041)	ND (0.00038)
alpha-Chlordane	2.9	NC	0.094	ND (0.00026)	ND (0.00027)	ND (0.00025)	ND (0.00024)	ND (0.00023)
gamma-Chlordane	NC	NC	NC	ND (0.00048)	ND (0.00051)	ND (0.00046)	ND (0.00046)	ND (0.00043)
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00037)	ND (0.00033)	ND (0.00033)	ND (0.00031)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00029)	ND (0.00026)	ND (0.00026)	ND (0.00024)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00028)	ND (0.00025)	ND (0.00025)	ND (0.00023)
Endosulfan II	102	NC	2.4	ND (0.00042)	ND (0.00044)	ND (0.00040)	ND (0.00040)	ND (0.00037)
Endosulfan sulfate	200	NC	2.4	ND (0.00030)	ND (0.00032)	ND (0.00029)	ND (0.00028)	ND (0.00027)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00024)	ND (0.00022)	ND (0.00021)	ND (0.00020)
Endrin aldehyde	NC	NC	NC	ND (0.00036)	ND (0.00039)	ND (0.00035)	ND (0.00034)	ND (0.00032)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00030)	ND (0.00027)	ND (0.00027)	ND (0.00025)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00036)	ND (0.00033)	ND (0.00032)	ND (0.00030)
Heptachlor	0.38	NC	0.042	ND (0.00034)	ND (0.00036)	ND (0.00032)	ND (0.00032)	ND (0.00030)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00028)	ND (0.00025)	ND (0.00025)	ND (0.00023)
Methoxychlor	NC	1,000	NC	ND (0.00068)	ND (0.00072)	ND (0.00065)	ND (0.00065)	ND (0.00060)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0087)	ND (0.0093)	ND (0.0084)	ND (0.0083)	ND (0.0078)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 9	Former Raritan Arsenal Fill - Soil 10	Former Raritan Arsenal Fill - Soil 11	Former Raritan Arsenal Fill - Soil 12	Former Raritan Arsenal Fill - Soil 13
LAB ID:				JB19112-9A	JB19112-10A	JB19112-11A	JB19112-12A	JB19112-13A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00037)	ND (0.00035)	ND (0.00041)	ND (0.00034)	ND (0.00039)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00027)	ND (0.00026)	ND (0.00030)	ND (0.00025)	ND (0.00029)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00033)	ND (0.00032)	ND (0.00037)	ND (0.00031)	ND (0.00035)
Aldrin	0.19	NC	0.005	ND (0.00031)	ND (0.00030)	ND (0.00034)	ND (0.00029)	ND (0.00033)
alpha-BHC	0.02	NC	0.02	ND (0.00020)	ND (0.00019)	ND (0.00022)	ND (0.00019)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00042)	ND (0.00040)	ND (0.00047)	ND (0.00039)	ND (0.00045)
alpha-Chlordane	2.9	NC	0.094	ND (0.00025)	ND (0.00024)	ND (0.00028)	ND (0.00023)	ND (0.00027)
gamma-Chlordane	NC	NC	NC	ND (0.00047)	ND (0.00044)	ND (0.00052)	ND (0.00043)	ND (0.00049)
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00032)	ND (0.00037)	ND (0.00031)	ND (0.00035)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00025)	ND (0.00029)	ND (0.00024)	ND (0.00028)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00024)	ND (0.00028)	ND (0.00024)	ND (0.00027)
Endosulfan II	102	NC	2.4	ND (0.00041)	ND (0.00038)	ND (0.00045)	ND (0.00037)	ND (0.00043)
Endosulfan sulfate	200	NC	2.4	ND (0.00029)	ND (0.00028)	ND (0.00032)	ND (0.00027)	ND (0.00031)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00021)	ND (0.00024)	ND (0.00020)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00035)	ND (0.00034)	ND (0.00039)	ND (0.00033)	ND (0.00037)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00026)	ND (0.00030)	ND (0.00025)	ND (0.00029)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00033)	ND (0.00031)	ND (0.00037)	ND (0.00030)	ND (0.00035)
Heptachlor	0.38	NC	0.042	ND (0.00033)	ND (0.00031)	ND (0.00036)	ND (0.00030)	ND (0.00035)
Heptachlor epoxide	NC	NC	NC	ND (0.00025)	ND (0.00024)	ND (0.00028)	ND (0.00023)	ND (0.00027)
Methoxychlor	NC	1,000	NC	ND (0.00066)	ND (0.00063)	ND (0.00073)	ND (0.00061)	ND (0.00070)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.00085)	ND (0.00081)	ND (0.00094)	ND (0.00078)	ND (0.00090)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 14	Former Raritan Arsenal Fill - Soil 15	Former Raritan Arsenal Fill - Soil 16	Former Raritan Arsenal Fill - Soil 17	Former Raritan Arsenal Fill - Soil 18
LAB ID:				JB19112-14A	JB19112-15A	JB19112-16A	JB19112-17A	JB19112-18A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00037)	ND (0.00037)	ND (0.00037)	ND (0.00036)	ND (0.00042)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00025)	ND (0.00027)	ND (0.00028)	ND (0.00027)	ND (0.00031)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00031)	ND (0.00033)	ND (0.00034)	ND (0.00033)	ND (0.00037)
Aldrin	0.19	NC	0.005	ND (0.00029)	ND (0.00031)	ND (0.00031)	ND (0.00031)	ND (0.00035)
alpha-BHC	0.02	NC	0.02	ND (0.00019)	ND (0.00020)	ND (0.00020)	ND (0.00020)	ND (0.00023)
beta-BHC	0.09	NC	0.036	ND (0.00039)	ND (0.00042)	ND (0.00043)	ND (0.00041)	ND (0.00047)
alpha-Chlordane	2.9	NC	0.094	ND (0.00023)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00028)
gamma-Chlordane	NC	NC	NC	ND (0.00043)	ND (0.00047)	ND (0.00047)	ND (0.00046)	ND (0.00052)
delta-BHC	0.25	NC	0.04	ND (0.00031)	ND (0.00033)	ND (0.00034)	ND (0.00033)	ND (0.00038)
Dieldrin	0.1	NC	0.005	ND (0.00025)	ND (0.00026)	ND (0.00027)	ND (0.00026)	ND (0.00030)
Endosulfan I	102	NC	2.4	ND (0.00024)	ND (0.00026)	ND (0.00026)	ND (0.00025)	ND (0.00029)
Endosulfan II	102	NC	2.4	ND (0.00038)	ND (0.00040)	ND (0.00041)	ND (0.00040)	ND (0.00046)
Endosulfan sulfate	200	NC	2.4	ND (0.00027)	ND (0.00029)	ND (0.00029)	ND (0.00029)	ND (0.00033)
Endrin	0.06	NC	0.014	ND (0.00020)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00025)
Endrin aldehyde	NC	NC	NC	ND (0.00033)	ND (0.00035)	ND (0.00036)	ND (0.00035)	ND (0.00040)
Endrin ketone	NC	NC	NC	ND (0.00026)	ND (0.00027)	ND (0.00028)	ND (0.00027)	ND (0.00031)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00031)	ND (0.00033)	ND (0.00033)	ND (0.00033)	ND (0.00037)
Heptachlor	0.38	NC	0.042	ND (0.00031)	ND (0.00033)	ND (0.00033)	ND (0.00032)	ND (0.00037)
Heptachlor epoxide	NC	NC	NC	ND (0.00023)	ND (0.00025)	ND (0.00026)	ND (0.00025)	ND (0.00028)
Methoxychlor	NC	1,000	NC	ND (0.00061)	ND (0.00066)	ND (0.00067)	ND (0.00065)	ND (0.00074)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0079)	ND (0.0085)	ND (0.0086)	ND (0.0084)	ND (0.0096)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 19	Liberty Stone I-78 Soil 1	Liberty Stone I-78 Soil 2	Liberty Stone I-78 Soil 3	Liberty Stone I-78 Soil 4
LAB ID:				JB19112-19A	JB18892-1A	JB18892-2A	JB18892-3A	JB18892-4A
COLLECTION DATE:				10/12/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00037)	ND (0.00041)	ND (0.00040)	ND (0.00038)	ND (0.00039)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	ND (0.00030)	ND (0.00030)	ND (0.00028)	ND (0.00029)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00034)	0.0033	0.0008	ND (0.00035)	ND (0.00036)
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00035)	ND (0.00034)	ND (0.00032)	ND (0.00033)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00023)	ND (0.00022)	ND (0.00021)	ND (0.00022)
beta-BHC	0.09	NC	0.036	ND (0.00043)	ND (0.00047)	ND (0.00046)	ND (0.00044)	ND (0.00045)
alpha-Chlordane	2.9	NC	0.094	ND (0.00025)	ND (0.00028)	ND (0.00027)	ND (0.00026)	ND (0.00027)
gamma-Chlordane	NC	NC	NC	ND (0.00047)	ND (0.00052)	ND (0.00051)	ND (0.00048)	ND (0.00050)
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00037)	ND (0.00036)	ND (0.00035)	ND (0.00036)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00029)	0.00083	ND (0.00027)	ND (0.00028)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00029)	ND (0.00028)	ND (0.00027)	ND (0.00027)
Endosulfan II	102	NC	2.4	ND (0.00041)	ND (0.00045)	ND (0.00044)	ND (0.00042)	ND (0.00043)
Endosulfan sulfate	200	NC	2.4	ND (0.00030)	ND (0.00032)	ND (0.00032)	ND (0.00030)	ND (0.00031)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00024)	ND (0.00024)	ND (0.00023)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00036)	ND (0.00039)	ND (0.00039)	ND (0.00037)	ND (0.00038)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00031)	ND (0.00030)	ND (0.00029)	ND (0.00029)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00037)	ND (0.00036)	ND (0.00034)	ND (0.00035)
Heptachlor	0.38	NC	0.042	ND (0.00033)	ND (0.00037)	ND (0.00036)	ND (0.00034)	ND (0.00035)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00028)	ND (0.00028)	ND (0.00026)	ND (0.00027)
Methoxychlor	NC	1,000	NC	ND (0.00067)	ND (0.00074)	ND (0.00072)	ND (0.00069)	ND (0.00071)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0086)	ND (0.0095)	ND (0.0093)	ND (0.0088)	ND (0.0091)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Liberty Stone I-78 Soil 5	Liberty Stone I-78 Soil 6	Liberty Stone I-78 Soil 7	Liberty Stone I-78 Soil 8	Liberty Stone I-78 Soil 9
SAMPLE ID:				JB18892-5A	JB18892-6A	JB18892-7A	JB18892-8A	JB18892-9A
LAB ID:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
UNITS:								
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00040)	ND (0.00036)	ND (0.00039)	ND (0.00036)	ND (0.00037)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00029)	ND (0.00026)	ND (0.00029)	ND (0.00027)	ND (0.00027)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00036)	ND (0.00032)	ND (0.00035)	ND (0.00033)	ND (0.00033)
Aldrin	0.19	NC	0.005	ND (0.00033)	ND (0.00030)	ND (0.00033)	ND (0.00031)	ND (0.00031)
alpha-BHC	0.02	NC	0.02	ND (0.00022)	ND (0.00020)	ND (0.00021)	ND (0.00020)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00045)	ND (0.00041)	ND (0.00045)	ND (0.00041)	ND (0.00042)
alpha-Chlordane	2.9	NC	0.094	ND (0.00027)	ND (0.00024)	ND (0.00027)	ND (0.00025)	ND (0.00025)
gamma-Chlordane	NC	NC	NC	ND (0.00050)	ND (0.00045)	ND (0.00050)	ND (0.00046)	ND (0.00046)
delta-BHC	0.25	NC	0.04	ND (0.00036)	ND (0.00032)	ND (0.00035)	ND (0.00033)	ND (0.00033)
Dieldrin	0.1	NC	0.005	ND (0.00028)	ND (0.00026)	ND (0.00028)	ND (0.00026)	ND (0.00026)
Endosulfan I	102	NC	2.4	ND (0.00027)	ND (0.00025)	ND (0.00027)	ND (0.00025)	ND (0.00025)
Endosulfan II	102	NC	2.4	ND (0.00043)	ND (0.00039)	ND (0.00043)	ND (0.00040)	ND (0.00040)
Endosulfan sulfate	200	NC	2.4	ND (0.00031)	ND (0.00028)	ND (0.00031)	ND (0.00029)	ND (0.00029)
Endrin	0.06	NC	0.014	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00021)	ND (0.00022)
Endrin aldehyde	NC	NC	NC	ND (0.00038)	ND (0.00034)	ND (0.00038)	ND (0.00035)	ND (0.00035)
Endrin ketone	NC	NC	NC	ND (0.00029)	ND (0.00027)	ND (0.00029)	ND (0.00027)	ND (0.00027)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00035)	ND (0.00032)	ND (0.00035)	ND (0.00032)	ND (0.00033)
Heptachlor	0.38	NC	0.042	ND (0.00035)	ND (0.00032)	ND (0.00035)	ND (0.00032)	ND (0.00033)
Heptachlor epoxide	NC	NC	NC	ND (0.00027)	ND (0.00024)	ND (0.00027)	ND (0.00025)	ND (0.00025)
Methoxychlor	NC	1,000	NC	ND (0.00071)	ND (0.00064)	ND (0.00070)	ND (0.00065)	ND (0.00066)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0091)	ND (0.0082)	ND (0.0090)	ND (0.0084)	ND (0.0084)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Liberty Stone I-78 Soil 10	Liberty Stone I-78 Soil 11	Liberty Stone I-78 Soil 12	Liberty Stone I-78 Soil 13	Liberty Stone I-78 Soil 14
LAB ID:				JB18892-10A	JB18892-11A	JB18892-12A	JB18892-13A	JB18892-14A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00040)	ND (0.00036)	ND (0.00039)	ND (0.00039)	ND (0.00039)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00029)	ND (0.00027)	ND (0.00029)	ND (0.00029)	ND (0.00029)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00036)	ND (0.00033)	0.0013	ND (0.00035)	0.0009
Aldrin	0.19	NC	0.005	ND (0.00033)	ND (0.00030)	ND (0.00033)	ND (0.00033)	ND (0.00033)
alpha-BHC	0.02	NC	0.02	ND (0.00022)	ND (0.00020)	ND (0.00021)	ND (0.00021)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00045)	ND (0.00041)	ND (0.00044)	ND (0.00045)	ND (0.00044)
alpha-Chlordane	2.9	NC	0.094	ND (0.00027)	ND (0.00025)	ND (0.00026)	ND (0.00026)	ND (0.00026)
gamma-Chlordane	NC	NC	NC	ND (0.00050)	ND (0.00046)	ND (0.00049)	ND (0.00049)	ND (0.00049)
delta-BHC	0.25	NC	0.04	ND (0.00036)	ND (0.00033)	ND (0.00035)	ND (0.00035)	ND (0.00035)
Dieldrin	0.1	NC	0.005	ND (0.00028)	ND (0.00026)	ND (0.00028)	ND (0.00028)	ND (0.00028)
Endosulfan I	102	NC	2.4	ND (0.00027)	ND (0.00025)	ND (0.00027)	ND (0.00027)	ND (0.00027)
Endosulfan II	102	NC	2.4	ND (0.00043)	ND (0.00040)	ND (0.00042)	ND (0.00043)	ND (0.00043)
Endosulfan sulfate	200	NC	2.4	ND (0.00031)	ND (0.00029)	ND (0.00030)	ND (0.00031)	ND (0.00031)
Endrin	0.06	NC	0.014	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00023)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00038)	ND (0.00035)	ND (0.00037)	ND (0.00037)	ND (0.00037)
Endrin ketone	NC	NC	NC	ND (0.00029)	ND (0.00027)	ND (0.00029)	ND (0.00029)	ND (0.00029)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00035)	ND (0.00032)	ND (0.00035)	ND (0.00035)	ND (0.00035)
Heptachlor	0.38	NC	0.042	ND (0.00035)	ND (0.00032)	ND (0.00034)	ND (0.00035)	ND (0.00035)
Heptachlor epoxide	NC	NC	NC	ND (0.00027)	ND (0.00025)	ND (0.00026)	ND (0.00027)	ND (0.00027)
Methoxychlor	NC	1,000	NC	ND (0.00071)	ND (0.00065)	ND (0.00069)	ND (0.00070)	ND (0.00070)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0091)	ND (0.0084)	ND (0.0089)	ND (0.0090)	ND (0.0090)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

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NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Liberty Stone I-78 Soil 15	Liberty Stone I-78 Soil 16	Liberty Stone I-78 Soil 17	Liberty Stone I-78 Soil 18	Liberty Stone I-78 Soil 19
LAB ID:				JB18892-15A	JB18892-16A	JB18892-17A	JB18892-18A	JB18892-19A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00039)	ND (0.00036)	ND (0.00035)	ND (0.00040)	ND (0.00037)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00029)	ND (0.00026)	0.00082 ³	ND (0.00030)	0.00083 ³
4,4'-DDT	47	NC	0.0033 ³	ND (0.00035)	ND (0.00032)	0.0014	0.0053	0.0036
Aldrin	0.19	NC	0.005	ND (0.00033)	ND (0.00030)	ND (0.00029)	ND (0.00034)	ND (0.00031)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00019)	ND (0.00019)	ND (0.00022)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00044)	ND (0.00041)	ND (0.00040)	ND (0.00046)	ND (0.00042)
alpha-Chlordane	2.9	NC	0.094	ND (0.00026)	ND (0.00024)	0.00075	ND (0.00027)	ND (0.00025)
gamma-Chlordane	NC	NC	NC	ND (0.00049)	ND (0.00045)	0.00073	ND (0.00051)	ND (0.00047)
delta-BHC	0.25	NC	0.04	ND (0.00035)	ND (0.00032)	ND (0.00032)	ND (0.00036)	ND (0.00034)
Dieldrin	0.1	NC	0.005	ND (0.00028)	ND (0.00025)	0.00074	ND (0.00029)	0.0013
Endosulfan I	102	NC	2.4	ND (0.00027)	ND (0.00025)	ND (0.00024)	ND (0.00028)	ND (0.00026)
Endosulfan II	102	NC	2.4	ND (0.00043)	ND (0.00039)	ND (0.00038)	ND (0.00044)	ND (0.00041)
Endosulfan sulfate	200	NC	2.4	ND (0.00031)	ND (0.00028)	ND (0.00027)	ND (0.00032)	ND (0.00029)
Endrin	0.06	NC	0.014	ND (0.00023)	ND (0.00021)	ND (0.00021)	ND (0.00024)	ND (0.00022)
Endrin aldehyde	NC	NC	NC	ND (0.00037)	ND (0.00034)	ND (0.00033)	ND (0.00038)	ND (0.00035)
Endrin ketone	NC	NC	NC	ND (0.00029)	ND (0.00026)	ND (0.00026)	ND (0.00030)	ND (0.00028)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00035)	ND (0.00032)	ND (0.00031)	ND (0.00036)	ND (0.00033)
Heptachlor	0.38	NC	0.042	ND (0.00035)	ND (0.00032)	ND (0.00031)	ND (0.00036)	ND (0.00033)
Heptachlor epoxide	NC	NC	NC	ND (0.00027)	ND (0.00024)	ND (0.00024)	ND (0.00027)	ND (0.00025)
Methoxychlor	NC	1,000	NC	ND (0.00070)	ND (0.00064)	ND (0.00063)	ND (0.00072)	ND (0.00066)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0090)	ND (0.0082)	ND (0.0081)	ND (0.0092)	ND (0.0085)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Natures Choice I-78 Soil 1	Natures Choice I-78 Soil 2	Natures Choice I-78 Soil 3	Natures Choice I-78 Soil 4	Natures Choice I-78 Soil 5
SAMPLE ID:								
LAB ID:				JB19432-1A	JB19432-2A	JB19432-3A	JB19432-4A	JB19432-5A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00037)	ND (0.00039)	ND (0.00040)	ND (0.00039)	ND (0.00039)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00027)	ND (0.00029)	ND (0.00030)	0.0015 ^b	0.0016 ^b
4,4'-DDT	47	NC	0.0033 ³	ND (0.00033)	0.0042 ^b	0.00087 ^b	0.0024	0.0032
Aldrin	0.19	NC	0.005	ND (0.00031)	ND (0.00033)	ND (0.00034)	ND (0.00033)	ND (0.00033)
alpha-BHC	0.02	NC	0.02	ND (0.00020)	ND (0.00021)	ND (0.00022)	ND (0.00021)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00042)	ND (0.00044)	ND (0.00046)	ND (0.00045)	ND (0.00045)
alpha-Chlordane	2.9	NC	0.094	ND (0.00025)	ND (0.00026)	0.0031 ^a	0.0028 ^a	0.0033 ^a
gamma-Chlordane	NC	NC	NC	ND (0.00047)	ND (0.00049)	0.0033 ^b	0.0015 ^b	0.0011
delta-BHC	0.25	NC	0.04	ND (0.00033)	ND (0.00035)	ND (0.00036)	ND (0.00035)	ND (0.00036)
Dieldrin	0.1	NC	0.005	ND (0.00026)	ND (0.00028)	ND (0.00029)	ND (0.00028)	ND (0.00028)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00027)	ND (0.00028)	ND (0.00027)	ND (0.00027)
Endosulfan II	102	NC	2.4	ND (0.00040)	ND (0.00043)	ND (0.00044)	ND (0.00043)	ND (0.00043)
Endosulfan sulfate	200	NC	2.4	ND (0.00029)	ND (0.00031)	ND (0.00032)	ND (0.00031)	ND (0.00031)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00023)	ND (0.00024)	ND (0.00023)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00035)	ND (0.00037)	ND (0.00038)	ND (0.00037)	ND (0.00038)
Endrin ketone	NC	NC	NC	ND (0.00027)	ND (0.00029)	ND (0.00030)	ND (0.00029)	ND (0.00029)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00033)	ND (0.00035)	ND (0.00036)	ND (0.00035)	ND (0.00035)
Heptachlor	0.38	NC	0.042	ND (0.00033)	ND (0.00035)	ND (0.00036)	ND (0.00035)	ND (0.00035)
Heptachlor epoxide	NC	NC	NC	ND (0.00025)	ND (0.00027)	ND (0.00027)	ND (0.00027)	0.0015
Methoxychlor	NC	1,000	NC	ND (0.00066)	ND (0.00070)	ND (0.00072)	ND (0.00070)	ND (0.00070)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0085)	ND (0.0090)	ND (0.0093)	ND (0.0090)	ND (0.0091)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Natures Choice I-78 Soil 6	Natures Choice I-78 Soil 7	Natures Choice I-78 Soil 8	Natures Choice I-78 Soil 9	Natures Choice I-78 Soil 10
SAMPLE ID:				JB19432-6A	JB19432-7A	JB19432-8A	JB19432-9A	JB19432-10A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
UNITS:								
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00037)	ND (0.00038)	ND (0.00039)	ND (0.00040)	ND (0.00038)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00027)	ND (0.00027)	ND (0.00029)	0.00084	ND (0.00028)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00033)	ND (0.00035)	ND (0.00035)	0.0020 ^b	ND (0.00034)
Aldrin	0.19	NC	0.005	ND (0.00031)	ND (0.00032)	ND (0.00033)	ND (0.00033)	ND (0.00032)
alpha-BHC	0.02	NC	0.02	ND (0.00020)	ND (0.00021)	ND (0.00021)	ND (0.00022)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00042)	ND (0.00044)	ND (0.00044)	ND (0.00045)	ND (0.00044)
alpha-Chlordane	2.9	NC	0.094	ND (0.00025)	0.0024 ^a	0.0012 ^a	0.0012 ^a	ND (0.00026)
gamma-Chlordane	NC	NC	NC	ND (0.00047)	0.0023 ^b	0.0015 ^b	0.0010 ^b	ND (0.00048)
delta-BHC	0.25	NC	0.04	ND (0.00033)	ND (0.00035)	ND (0.00035)	ND (0.00036)	ND (0.00035)
Dieldrin	0.1	NC	0.005	ND (0.00026)	ND (0.00028)	ND (0.00028)	ND (0.00028)	ND (0.00027)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00027)	ND (0.00027)	ND (0.00028)	ND (0.00026)
Endosulfan II	102	NC	2.4	ND (0.00040)	ND (0.00042)	ND (0.00043)	ND (0.00044)	ND (0.00042)
Endosulfan sulfate	200	NC	2.4	ND (0.00029)	ND (0.00030)	ND (0.00031)	ND (0.00031)	ND (0.00030)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00023)	ND (0.00023)	ND (0.00024)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00035)	ND (0.00037)	ND (0.00037)	ND (0.00038)	ND (0.00037)
Endrin ketone	NC	NC	NC	ND (0.00027)	ND (0.00029)	ND (0.00029)	ND (0.00030)	ND (0.00028)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00033)	ND (0.00035)	ND (0.00035)	ND (0.00036)	ND (0.00034)
Heptachlor	0.38	NC	0.042	ND (0.00033)	ND (0.00034)	ND (0.00035)	ND (0.00035)	ND (0.00034)
Heptachlor epoxide	NC	NC	NC	ND (0.00025)	ND (0.00026)	ND (0.00027)	ND (0.00027)	ND (0.00026)
Methoxychlor	NC	1,000	NC	ND (0.00066)	ND (0.00069)	ND (0.00070)	ND (0.00071)	ND (0.00068)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0085)	ND (0.0089)	ND (0.0090)	ND (0.0092)	ND (0.0088)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Natures Choice I-78 Soil 11	Natures Choice I-78 Soil 12	Natures Choice I-78 Soil 13	Natures Choice I-78 Soil 14	Natures Choice I-78 Soil 15
SAMPLE ID:								
LAB ID:				JB19432-11A	JB19432-12A	JB19432-13A	JB19432-14A	JB19432-15A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00039)	0.0018 ^b	ND (0.00037)	ND (0.00039)	ND (0.00039)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00029)	0.0019	ND (0.00028)	ND (0.00029)	0.0011
4,4'-DDT	47	NC	0.0033 ³	ND (0.00035)	0.0031 ^b	ND (0.00034)	ND (0.00035)	0.0023 ^b
Aldrin	0.19	NC	0.005	ND (0.00033)	ND (0.00032)	ND (0.00032)	ND (0.00033)	ND (0.00032)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00021)	ND (0.00021)	ND (0.00021)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00045)	ND (0.00043)	ND (0.00043)	ND (0.00044)	ND (0.00044)
alpha-Chlordane	2.9	NC	0.094	ND (0.00026)	0.0032 ^a	ND (0.00025)	ND (0.00026)	0.0019
gamma-Chlordane	NC	NC	NC	ND (0.00049)	0.0037 ^b	ND (0.00047)	ND (0.00049)	0.0013 ^b
delta-BHC	0.25	NC	0.04	ND (0.00035)	ND (0.00034)	ND (0.00034)	ND (0.00035)	ND (0.00035)
Dieldrin	0.1	NC	0.005	ND (0.00028)	0.0011 ^b	ND (0.00027)	ND (0.00028)	ND (0.00028)
Endosulfan I	102	NC	2.4	ND (0.00027)	ND (0.00026)	ND (0.00026)	ND (0.00027)	ND (0.00027)
Endosulfan II	102	NC	2.4	ND (0.00043)	ND (0.00042)	ND (0.00041)	ND (0.00043)	ND (0.00042)
Endosulfan sulfate	200	NC	2.4	ND (0.00031)	ND (0.00030)	ND (0.00030)	ND (0.00031)	ND (0.00030)
Endrin	0.06	NC	0.014	ND (0.00023)	ND (0.00022)	ND (0.00022)	ND (0.00023)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00037)	ND (0.00036)	ND (0.00036)	ND (0.00037)	ND (0.00037)
Endrin ketone	NC	NC	NC	ND (0.00029)	ND (0.00028)	ND (0.00028)	ND (0.00029)	ND (0.00029)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00035)	ND (0.00034)	ND (0.00034)	ND (0.00035)	ND (0.00035)
Heptachlor	0.38	NC	0.042	ND (0.00035)	ND (0.00034)	ND (0.00033)	ND (0.00035)	ND (0.00034)
Heptachlor epoxide	NC	NC	NC	ND (0.00027)	ND (0.00026)	ND (0.00026)	ND (0.00027)	ND (0.00026)
Methoxychlor	NC	1,000	NC	ND (0.00070)	ND (0.00068)	ND (0.00067)	ND (0.00070)	ND (0.00069)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0090)	ND (0.0087)	ND (0.0086)	ND (0.0090)	ND (0.0089)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Natures Choice I-78 Soil 16	Natures Choice I-78 Soil 17	Natures Choice I-78 Soil 18	Natures Choice I-78 Soil 19	Natures Choice I-78 Soil 20
LAB ID:				JB19432-16A	JB19432-17A	JB19432-18A	JB19432-19A	JB19432-20A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00038)	ND (0.00039)	ND (0.00039)	ND (0.00039)	ND (0.00040)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	0.0013	ND (0.00029)	0.0013	ND (0.00029)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00035)	0.0045	ND (0.00035)	0.0017 ^b	ND (0.00036)
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00033)	ND (0.00033)	ND (0.00033)	ND (0.00033)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00021)	ND (0.00021)	ND (0.00021)	ND (0.00022)
beta-BHC	0.09	NC	0.036	ND (0.00044)	ND (0.00044)	ND (0.00044)	ND (0.00045)	ND (0.00045)
alpha-Chlordane	2.9	NC	0.094	ND (0.00026)	0.0030 ^a	0.0014 ^a	0.0012 ^a	ND (0.00027)
gamma-Chlordane	NC	NC	NC	ND (0.00048)	0.0020 ^b	0.0014 ^b	0.0010 ^b	ND (0.00050)
delta-BHC	0.25	NC	0.04	ND (0.00035)	ND (0.00035)	ND (0.00035)	ND (0.00035)	ND (0.00036)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00028)	ND (0.00028)	ND (0.00028)	ND (0.00028)
Endosulfan I	102	NC	2.4	ND (0.00027)	ND (0.00027)	ND (0.00027)	ND (0.00027)	ND (0.00028)
Endosulfan II	102	NC	2.4	ND (0.00042)	ND (0.00043)	ND (0.00043)	ND (0.00043)	ND (0.00044)
Endosulfan sulfate	200	NC	2.4	ND (0.00030)	ND (0.00031)	ND (0.00031)	ND (0.00031)	ND (0.00031)
Endrin	0.06	NC	0.014	ND (0.00023)	ND (0.00023)	ND (0.00023)	ND (0.00023)	ND (0.00024)
Endrin aldehyde	NC	NC	NC	ND (0.00037)	ND (0.00037)	ND (0.00037)	ND (0.00038)	ND (0.00038)
Endrin ketone	NC	NC	NC	ND (0.00029)	ND (0.00029)	ND (0.00029)	ND (0.00029)	ND (0.00030)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00035)	ND (0.00035)	ND (0.00035)	ND (0.00036)
Heptachlor	0.38	NC	0.042	ND (0.00034)	ND (0.00035)	ND (0.00035)	ND (0.00035)	ND (0.00035)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00027)	ND (0.00027)	ND (0.00027)	ND (0.00027)
Methoxychlor	NC	1,000	NC	ND (0.00069)	ND (0.00070)	ND (0.00070)	ND (0.00070)	ND (0.00071)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0088)	ND (0.0090)	ND (0.0090)	ND (0.0090)	ND (0.0092)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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^(B) - Criteria is from New York State Department of Environmental

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Natures Choice I-78 Soil 21	Natures Choice I-78 Soil 22	Turnpike Basin 8C IS-1	Turnpike Basin 8C IS-2	Turnpike Basin 8C IS-3
LAB ID:				JB19432-21A	JB19432-22A	09383-024	09383-023	09383-027
COLLECTION DATE:				10/16/12	10/16/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00039)	ND (0.00040)	ND (0.00018)	ND (0.000186)	ND (0.000176)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00029)	ND (0.00030)	ND (0.00018)	ND (0.000186)	ND (0.000176)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00036)	ND (0.00036)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Aldrin	0.19	NC	0.005	ND (0.00033)	ND (0.00034)	ND (0.00018)	ND (0.000186)	ND (0.000176)
alpha-BHC	0.02	NC	0.02	ND (0.00022)	ND (0.00022)	ND (0.00018)	ND (0.000186)	ND (0.000176)
beta-BHC	0.09	NC	0.036	ND (0.00045)	ND (0.00046)	ND (0.00018)	ND (0.000186)	ND (0.000176)
alpha-Chlordane	2.9	NC	0.094	ND (0.00027)	ND (0.00027)	ND (0.00018)	ND (0.000186)	ND (0.000176)
gamma-Chlordane	NC	NC	NC	ND (0.00050)	ND (0.00051)	ND (0.00018)	ND (0.000186)	ND (0.000176)
delta-BHC	0.25	NC	0.04	ND (0.00036)	ND (0.00036)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Dieldrin	0.1	NC	0.005	ND (0.00028)	ND (0.00029)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Endosulfan I	102	NC	2.4	ND (0.00027)	ND (0.00028)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Endosulfan II	102	NC	2.4	ND (0.00043)	ND (0.00044)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Endosulfan sulfate	200	NC	2.4	ND (0.00031)	ND (0.00032)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Endrin	0.06	NC	0.014	ND (0.00023)	ND (0.00024)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Endrin aldehyde	NC	NC	NC	ND (0.00038)	ND (0.00039)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Endrin ketone	NC	NC	NC	ND (0.00029)	ND (0.00030)	ND (0.00018)	ND (0.000186)	ND (0.000176)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00035)	ND (0.00036)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Heptachlor	0.38	NC	0.042	ND (0.00035)	ND (0.00036)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Heptachlor epoxide	NC	NC	NC	ND (0.00027)	ND (0.00028)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Methoxychlor	NC	1,000	NC	ND (0.00071)	ND (0.00072)	ND (0.00018)	ND (0.000186)	ND (0.000176)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	ND (0.022)	ND (0.021)	ND (0.018)
2,4,5-T	NC	1,000	NC	NA	NA	ND (0.022)	ND (0.021)	ND (0.018)
2,4-D	NC	1,000	NC	NA	NA	ND (0.022)	ND (0.021)	ND (0.018)
Toxaphene	NC	NC	NC	ND (0.0091)	ND (0.0093)	ND (0.00216)	ND (0.00223)	ND (0.00211)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

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NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Turnpike Basin 8C IS-4	Turnpike Basin 8C IS-5	Turnpike Basin 8C IS-6	Turnpike Basin 8C IS-7	Turnpike Basin 8C IS-8
LAB ID:				09383-021	09383-022	09383-025	09383-026	09383-028
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Aldrin	0.19	NC	0.005	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
alpha-BHC	0.02	NC	0.02	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
beta-BHC	0.09	NC	0.036	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
alpha-Chlordane	2.9	NC	0.094	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
gamma-Chlordane	NC	NC	NC	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
delta-BHC	0.25	NC	0.04	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Dieldrin	0.1	NC	0.005	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Endosulfan I	102	NC	2.4	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Endosulfan II	102	NC	2.4	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Endosulfan sulfate	200	NC	2.4	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Endrin	0.06	NC	0.014	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Endrin aldehyde	NC	NC	NC	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Endrin ketone	NC	NC	NC	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Heptachlor	0.38	NC	0.042	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Heptachlor epoxide	NC	NC	NC	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Methoxychlor	NC	1,000	NC	ND (0.00018)	ND (0.000178)	ND (0.000178)	ND (0.000175)	ND (0.000185)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.021)
2,4,5-T	NC	1,000	NC	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.021)
2,4-D	NC	1,000	NC	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.021)
Toxaphene	NC	NC	NC	ND (0.00216)	ND (0.00214)	ND (0.00214)	ND (0.0021)	ND (0.00222)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Turnpike Basin 8C IS-9	Turnpike Basin 8C IS-10	Turnpike Basin 8C IS-11	Turnpike Basin 8C IS-12	Turnpike Basin 8C IS-13
LAB ID:				09383-029	09383-030	09383-012	09383-011	09383-020
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
4,4'-DDE	17	NC	0.0033 ³	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
4,4'-DDT	47	NC	0.0033 ³	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Aldrin	0.19	NC	0.005	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
alpha-BHC	0.02	NC	0.02	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
beta-BHC	0.09	NC	0.036	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
alpha-Chlordane	2.9	NC	0.094	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
gamma-Chlordane	NC	NC	NC	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
delta-BHC	0.25	NC	0.04	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Dieldrin	0.1	NC	0.005	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Endosulfan I	102	NC	2.4	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Endosulfan II	102	NC	2.4	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Endosulfan sulfate	200	NC	2.4	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Endrin	0.06	NC	0.014	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Endrin aldehyde	NC	NC	NC	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Endrin ketone	NC	NC	NC	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Heptachlor	0.38	NC	0.042	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Heptachlor epoxide	NC	NC	NC	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Methoxychlor	NC	1,000	NC	ND (0.000179)	ND (0.000179)	ND (0.000177)	ND (0.000178)	ND (0.00018)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	ND (0.021)	ND (0.021)	ND (0.019)	ND (0.020)	ND (0.020)
2,4,5-T	NC	1,000	NC	ND (0.021)	ND (0.021)	ND (0.019)	ND (0.020)	ND (0.020)
2,4-D	NC	1,000	NC	ND (0.021)	ND (0.021)	ND (0.019)	ND (0.020)	ND (0.020)
Toxaphene	NC	NC	NC	ND (0.00215)	ND (0.00215)	ND (0.00212)	ND (0.00214)	ND (0.00216)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Turnpike Basin 8C IS-14	Turnpike Basin 8C IS-15	Turnpike Basin 8C IS-16	Turnpike Basin 8C IS-17	Turnpike Basin 8C IS-18
LAB ID:				09383-019	09383-018	09383-017	09383-016	09383-015
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
4,4'-DDE	17	NC	0.0033 ³	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
4,4'-DDT	47	NC	0.0033 ³	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Aldrin	0.19	NC	0.005	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
alpha-BHC	0.02	NC	0.02	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
beta-BHC	0.09	NC	0.036	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
alpha-Chlordane	2.9	NC	0.094	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
gamma-Chlordane	NC	NC	NC	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
delta-BHC	0.25	NC	0.04	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Dieldrin	0.1	NC	0.005	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Endosulfan I	102	NC	2.4	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Endosulfan II	102	NC	2.4	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Endosulfan sulfate	200	NC	2.4	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Endrin	0.06	NC	0.014	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Endrin aldehyde	NC	NC	NC	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Endrin ketone	NC	NC	NC	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Heptachlor	0.38	NC	0.042	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Heptachlor epoxide	NC	NC	NC	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Methoxychlor	NC	1,000	NC	ND (0.000177)	ND (0.000178)	ND (0.000175)	ND (0.000179)	ND (0.000182)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	ND (0.021)	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.020)
2,4,5-T	NC	1,000	NC	ND (0.021)	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.020)
2,4-D	NC	1,000	NC	ND (0.021)	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.020)
Toxaphene	NC	NC	NC	ND (0.00212)	ND (0.00214)	ND (0.0021)	ND (0.00215)	ND (0.00218)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Turnpike Basin 8C IS-19	Turnpike Basin 8C IS-20	Turnpike Basin 8C IS-21	Turnpike Basin 8C IS-22	Turnpike Basin 8C IS-23
LAB ID:				09383-014	09383-013	09383-010	09383-004	09383-005
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
4,4'-DDE	17	NC	0.0033 ³	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
4,4'-DDT	47	NC	0.0033 ³	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Aldrin	0.19	NC	0.005	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
alpha-BHC	0.02	NC	0.02	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
beta-BHC	0.09	NC	0.036	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
alpha-Chlordane	2.9	NC	0.094	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
gamma-Chlordane	NC	NC	NC	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
delta-BHC	0.25	NC	0.04	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Dieldrin	0.1	NC	0.005	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Endosulfan I	102	NC	2.4	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Endosulfan II	102	NC	2.4	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Endosulfan sulfate	200	NC	2.4	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Endrin	0.06	NC	0.014	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Endrin aldehyde	NC	NC	NC	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Endrin ketone	NC	NC	NC	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Heptachlor	0.38	NC	0.042	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Heptachlor epoxide	NC	NC	NC	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Methoxychlor	NC	1,000	NC	ND (0.000179)	ND (0.000183)	ND (0.000179)	ND (0.00018)	ND (0.000182)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.019)
2,4,5-T	NC	1,000	NC	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.019)
2,4-D	NC	1,000	NC	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.019)
Toxaphene	NC	NC	NC	ND (0.00215)	ND (0.0022)	ND (0.00215)	ND (0.00216)	ND (0.00218)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Turnpike Basin 8C IS-24	Turnpike Basin 8C IS-25	Turnpike Basin 8C IS-26	Turnpike Basin 8C IS-27	Turnpike Basin 8C IS-28
LAB ID:				09383-006	09383-007	09383-008	09383-009	09383-001
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Aldrin	0.19	NC	0.005	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
alpha-BHC	0.02	NC	0.02	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
beta-BHC	0.09	NC	0.036	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
alpha-Chlordane	2.9	NC	0.094	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
gamma-Chlordane	NC	NC	NC	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
delta-BHC	0.25	NC	0.04	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Dieldrin	0.1	NC	0.005	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Endosulfan I	102	NC	2.4	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Endosulfan II	102	NC	2.4	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Endosulfan sulfate	200	NC	2.4	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Endrin	0.06	NC	0.014	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Endrin aldehyde	NC	NC	NC	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Endrin ketone	NC	NC	NC	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Heptachlor	0.38	NC	0.042	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Heptachlor epoxide	NC	NC	NC	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Methoxychlor	NC	1,000	NC	ND (0.00018)	ND (0.000176)	ND (0.000175)	ND (0.000175)	ND (0.000181)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.021)
2,4,5-T	NC	1,000	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.021)
2,4-D	NC	1,000	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.021)
Toxaphene	NC	NC	NC	ND (0.00216)	ND (0.00211)	ND (0.0021)	ND (0.0021)	ND (0.00217)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Turnpike Basin 8C IS-29	Turnpike Basin 8C IS-30	Bayonne FD-1	Bayonne FD-2	Bayonne FD-3
SAMPLE ID:								
LAB ID:				09383-002	09383-003	JB33052-1A	JB33052-2A	JB33052-3A
COLLECTION DATE:				9/17/12	9/17/12	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00018)	ND (0.000189)	ND (0.00036)	ND (0.00036)	ND (0.00037)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00018)	ND (0.000189)	ND (0.00026)	ND (0.00026)	ND (0.00027)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00018)	ND (0.000189)	ND (0.00032)	ND (0.00032)	ND (0.00033)
Aldrin	0.19	NC	0.005	ND (0.00018)	ND (0.000189)	ND (0.00030)	ND (0.00030)	ND (0.00031)
alpha-BHC	0.02	NC	0.02	ND (0.00018)	ND (0.000189)	ND (0.00020)	ND (0.00020)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00018)	ND (0.000189)	ND (0.00041)	ND (0.00041)	ND (0.00042)
alpha-Chlordane	2.9	NC	0.094	ND (0.00018)	ND (0.000189)	ND (0.00024)	ND (0.00024)	ND (0.00025)
gamma-Chlordane	NC	NC	NC	ND (0.00018)	ND (0.000189)	ND (0.00045)	ND (0.00045)	ND (0.00046)
delta-BHC	0.25	NC	0.04	ND (0.00018)	ND (0.000189)	ND (0.00032)	ND (0.00032)	ND (0.00033)
Dieldrin	0.1	NC	0.005	ND (0.00018)	ND (0.000189)	ND (0.00026)	ND (0.00026)	ND (0.00026)
Endosulfan I	102	NC	2.4	ND (0.00018)	ND (0.000189)	ND (0.00025)	ND (0.00025)	ND (0.00025)
Endosulfan II	102	NC	2.4	ND (0.00018)	ND (0.000189)	ND (0.00039)	ND (0.00039)	ND (0.00040)
Endosulfan sulfate	200	NC	2.4	ND (0.00018)	ND (0.000189)	ND (0.00028)	ND (0.00028)	ND (0.00029)
Endrin	0.06	NC	0.014	ND (0.00018)	ND (0.000189)	ND (0.00021)	ND (0.00021)	ND (0.00022)
Endrin aldehyde	NC	NC	NC	ND (0.00018)	ND (0.000189)	ND (0.00034)	ND (0.00034)	ND (0.00035)
Endrin ketone	NC	NC	NC	ND (0.00018)	ND (0.000189)	ND (0.00027)	ND (0.00027)	ND (0.00027)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00018)	ND (0.000189)	ND (0.00032)	ND (0.00032)	ND (0.00033)
Heptachlor	0.38	NC	0.042	ND (0.00018)	ND (0.000189)	ND (0.00032)	ND (0.00032)	ND (0.00033)
Heptachlor epoxide	NC	NC	NC	ND (0.00018)	ND (0.000189)	ND (0.00024)	ND (0.00025)	ND (0.00025)
Methoxychlor	NC	1,000	NC	ND (0.00018)	ND (0.000189)	ND (0.00064)	ND (0.00064)	ND (0.00066)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	ND (0.019)	ND (0.021)	NA	NA	NA
2,4,5-T	NC	1,000	NC	ND (0.019)	ND (0.021)	NA	NA	NA
2,4-D	NC	1,000	NC	ND (0.019)	ND (0.021)	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.00216)	ND (0.00227)	ND (0.0082)	ND (0.0083)	ND (0.0084)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

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NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Bayonne FD-4	Bayonne FD-5	Bayonne FD-6	Bayonne FD-7	Bayonne FD-8
LAB ID:				JB33052-4A	JB33052-5A	JB33052-6A	JB33052-7A	JB33052-8A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00037)	ND (0.00037)	ND (0.00038)	ND (0.00034)	ND (0.00037)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	ND (0.00027)	ND (0.00028)	ND (0.00025)	ND (0.00027)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00034)	ND (0.00034)	ND (0.00034)	ND (0.00031)	ND (0.00034)
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00031)	ND (0.00032)	ND (0.00029)	ND (0.00031)
alpha-BHC	0.02	NC	0.02	ND (0.00020)	ND (0.00020)	ND (0.00021)	ND (0.00019)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00043)	ND (0.00042)	ND (0.00043)	ND (0.00039)	ND (0.00042)
alpha-Chlordane	2.9	NC	0.094	ND (0.00025)	ND (0.00025)	ND (0.00026)	ND (0.00023)	ND (0.00025)
gamma-Chlordane	NC	NC	NC	ND (0.00047)	ND (0.00047)	ND (0.00048)	ND (0.00044)	ND (0.00047)
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00034)	ND (0.00034)	ND (0.00031)	ND (0.00034)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00027)	ND (0.00027)	ND (0.00025)	ND (0.00027)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00026)	ND (0.00026)	ND (0.00024)	ND (0.00026)
Endosulfan II	102	NC	2.4	ND (0.00041)	ND (0.00041)	ND (0.00041)	ND (0.00038)	ND (0.00041)
Endosulfan sulfate	200	NC	2.4	ND (0.00029)	ND (0.00029)	ND (0.00030)	ND (0.00027)	ND (0.00029)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00020)	ND (0.00022)
Endrin aldehyde	NC	NC	NC	ND (0.00036)	ND (0.00036)	ND (0.00036)	ND (0.00033)	ND (0.00036)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00028)	ND (0.00028)	ND (0.00026)	ND (0.00028)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00033)	ND (0.00034)	ND (0.00031)	ND (0.00033)
Heptachlor	0.38	NC	0.042	ND (0.00033)	ND (0.00033)	ND (0.00034)	ND (0.00031)	ND (0.00033)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00025)	ND (0.00026)	ND (0.00024)	ND (0.00026)
Methoxychlor	NC	1,000	NC	ND (0.00067)	ND (0.00067)	ND (0.00068)	ND (0.00062)	ND (0.00067)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.00086)	ND (0.00086)	ND (0.00087)	ND (0.00079)	ND (0.00086)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Bayonne FD-9	Bayonne FD-10	Bayonne FD-11	Bayonne FD-12	Bayonne FD-13
SAMPLE ID:								
LAB ID:				JB33052-9A	JB33052-10A	JB33052-11A	JB33052-12A	JB33052-13A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00038)	ND (0.00036)	ND (0.00035)	ND (0.00035)	ND (0.00037)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	ND (0.00027)	ND (0.00026)	ND (0.00026)	ND (0.00028)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00034)	ND (0.00033)	ND (0.00032)	ND (0.00032)	ND (0.00034)
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00031)	ND (0.00030)	ND (0.00030)	ND (0.00031)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00020)	ND (0.00019)	ND (0.00019)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00043)	ND (0.00041)	ND (0.00040)	ND (0.00040)	ND (0.00043)
alpha-Chlordane	2.9	NC	0.094	ND (0.00025)	ND (0.00025)	ND (0.00024)	ND (0.00024)	ND (0.00025)
gamma-Chlordane	NC	NC	NC	ND (0.00048)	ND (0.00046)	ND (0.00044)	ND (0.00045)	ND (0.00047)
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00033)	ND (0.00032)	ND (0.00032)	ND (0.00034)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00026)	ND (0.00025)	ND (0.00025)	ND (0.00027)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00025)	ND (0.00024)	ND (0.00025)	ND (0.00026)
Endosulfan II	102	NC	2.4	ND (0.00041)	ND (0.00040)	ND (0.00038)	ND (0.00039)	ND (0.00041)
Endosulfan sulfate	200	NC	2.4	ND (0.00030)	ND (0.00029)	ND (0.00028)	ND (0.00028)	ND (0.00029)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00022)	ND (0.00021)	ND (0.00021)	ND (0.00022)
Endrin aldehyde	NC	NC	NC	ND (0.00036)	ND (0.00035)	ND (0.00034)	ND (0.00034)	ND (0.00036)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00027)	ND (0.00026)	ND (0.00026)	ND (0.00028)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00033)	ND (0.00031)	ND (0.00032)	ND (0.00033)
Heptachlor	0.38	NC	0.042	ND (0.00034)	ND (0.00032)	ND (0.00031)	ND (0.00032)	ND (0.00033)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00025)	ND (0.00024)	ND (0.00024)	ND (0.00026)
Methoxychlor	NC	1,000	NC	ND (0.00067)	ND (0.00065)	ND (0.00063)	ND (0.00064)	ND (0.00067)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.00087)	ND (0.00084)	ND (0.00081)	ND (0.00082)	ND (0.00086)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Bayonne FD-14	Bayonne FD-15	Bayonne FD-16	Bayonne FD-17	Bayonne FD-18
SAMPLE ID:								
LAB ID:				JB33052-14A	JB33052-15A	JB33052-16A	JB33052-17A	JB33052-18A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00038)	ND (0.00037)	ND (0.00037)	ND (0.00037)	ND (0.00038)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00028)	ND (0.00027)	ND (0.00027)	ND (0.00027)	ND (0.00028)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00034)	ND (0.00033)	ND (0.00033)	ND (0.00033)	ND (0.00034)
Aldrin	0.19	NC	0.005	ND (0.00032)	ND (0.00031)	ND (0.00031)	ND (0.00031)	ND (0.00032)
alpha-BHC	0.02	NC	0.02	ND (0.00021)	ND (0.00020)	ND (0.00020)	ND (0.00020)	ND (0.00021)
beta-BHC	0.09	NC	0.036	ND (0.00043)	ND (0.00042)	ND (0.00042)	ND (0.00042)	ND (0.00043)
alpha-Chlordane	2.9	NC	0.094	ND (0.00026)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00026)
gamma-Chlordane	NC	NC	NC	ND (0.00048)	ND (0.00047)	ND (0.00046)	ND (0.00046)	ND (0.00048)
delta-BHC	0.25	NC	0.04	ND (0.00034)	ND (0.00034)	ND (0.00033)	ND (0.00033)	ND (0.00034)
Dieldrin	0.1	NC	0.005	ND (0.00027)	ND (0.00027)	ND (0.00026)	ND (0.00026)	ND (0.00027)
Endosulfan I	102	NC	2.4	ND (0.00026)	ND (0.00026)	ND (0.00025)	ND (0.00025)	ND (0.00026)
Endosulfan II	102	NC	2.4	ND (0.00041)	ND (0.00041)	ND (0.00040)	ND (0.00040)	ND (0.00042)
Endosulfan sulfate	200	NC	2.4	ND (0.00030)	ND (0.00029)	ND (0.00029)	ND (0.00029)	ND (0.00030)
Endrin	0.06	NC	0.014	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00022)	ND (0.00023)
Endrin aldehyde	NC	NC	NC	ND (0.00036)	ND (0.00036)	ND (0.00035)	ND (0.00035)	ND (0.00036)
Endrin ketone	NC	NC	NC	ND (0.00028)	ND (0.00028)	ND (0.00027)	ND (0.00027)	ND (0.00028)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00034)	ND (0.00033)	ND (0.00033)	ND (0.00033)	ND (0.00034)
Heptachlor	0.38	NC	0.042	ND (0.00034)	ND (0.00033)	ND (0.00033)	ND (0.00033)	ND (0.00034)
Heptachlor epoxide	NC	NC	NC	ND (0.00026)	ND (0.00025)	ND (0.00025)	ND (0.00025)	ND (0.00026)
Methoxychlor	NC	1,000	NC	ND (0.00068)	ND (0.00066)	ND (0.00066)	ND (0.00066)	ND (0.00068)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.00087)	ND (0.00086)	ND (0.00084)	ND (0.00085)	ND (0.00088)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

SAMPLE ID:				Bayonne FD-19	Bayonne FD-20	Bayonne FD-21	Bayonne FD-22	Bayonne FD-DUP1
LAB ID:				JB33052-19A	JB33052-20A	JB33052-21A	JB33052-22A	JB33052-23A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	Result
4,4'-DDD	14	NC	0.0033 ³	ND (0.00035)	ND (0.00037)	ND (0.00038)	ND (0.00037)	ND (0.00037)
4,4'-DDE	17	NC	0.0033 ³	ND (0.00026)	ND (0.00028)	ND (0.00028)	ND (0.00028)	ND (0.00027)
4,4'-DDT	47	NC	0.0033 ³	ND (0.00032)	ND (0.00034)	ND (0.00034)	ND (0.00034)	ND (0.00033)
Aldrin	0.19	NC	0.005	ND (0.00030)	ND (0.00032)	ND (0.00032)	ND (0.00031)	ND (0.00031)
alpha-BHC	0.02	NC	0.02	ND (0.00019)	ND (0.00021)	ND (0.00021)	ND (0.00020)	ND (0.00020)
beta-BHC	0.09	NC	0.036	ND (0.00040)	ND (0.00043)	ND (0.00043)	ND (0.00043)	ND (0.00042)
alpha-Chlordane	2.9	NC	0.094	ND (0.00024)	ND (0.00025)	ND (0.00026)	ND (0.00025)	ND (0.00025)
gamma-Chlordane	NC	NC	NC	ND (0.00045)	ND (0.00047)	ND (0.00048)	ND (0.00047)	ND (0.00046)
delta-BHC	0.25	NC	0.04	ND (0.00032)	ND (0.00034)	ND (0.00034)	ND (0.00034)	ND (0.00033)
Dieldrin	0.1	NC	0.005	ND (0.00025)	ND (0.00027)	ND (0.00027)	ND (0.00027)	ND (0.00026)
Endosulfan I	102	NC	2.4	ND (0.00024)	ND (0.00026)	ND (0.00026)	ND (0.00026)	ND (0.00025)
Endosulfan II	102	NC	2.4	ND (0.00039)	ND (0.00041)	ND (0.00042)	ND (0.00041)	ND (0.00040)
Endosulfan sulfate	200	NC	2.4	ND (0.00028)	ND (0.00029)	ND (0.00030)	ND (0.00029)	ND (0.00029)
Endrin	0.06	NC	0.014	ND (0.00021)	ND (0.00022)	ND (0.00023)	ND (0.00022)	ND (0.00022)
Endrin aldehyde	NC	NC	NC	ND (0.00034)	ND (0.00036)	ND (0.00036)	ND (0.00036)	ND (0.00035)
Endrin ketone	NC	NC	NC	ND (0.00026)	ND (0.00028)	ND (0.00028)	ND (0.00028)	ND (0.00027)
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00032)	ND (0.00034)	ND (0.00034)	ND (0.00034)	ND (0.00033)
Heptachlor	0.38	NC	0.042	ND (0.00031)	ND (0.00033)	ND (0.00034)	ND (0.00033)	ND (0.00033)
Heptachlor epoxide	NC	NC	NC	ND (0.00024)	ND (0.00026)	ND (0.00026)	ND (0.00026)	ND (0.00025)
Methoxychlor	NC	1,000	NC	ND (0.00063)	ND (0.00067)	ND (0.00068)	ND (0.00067)	ND (0.00066)
Parathion	NC	1,000	NC	NA	NA	NA	NA	NA
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	NA	NA	NA	NA
2,4,5-T	NC	1,000	NC	NA	NA	NA	NA	NA
2,4-D	NC	1,000	NC	NA	NA	NA	NA	NA
Toxaphene	NC	NC	NC	ND (0.0081)	ND (0.0086)	ND (0.0088)	ND (0.0086)	ND (0.0084)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation

^(B) - Criteria is from New York State Department of Environmental

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR PESTICIDES

				Bayonne FD-DUP2	
SAMPLE ID:				JB33052-24A	
LAB ID:				4/2/13	
COLLECTION DATE:				Soil	
SAMPLE MATRIX:				mg/kg	
UNITS:					
PESTICIDES (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	
4,4'-DDD	14	NC	0.0033 ³	ND (0.00036)	
4,4'-DDE	17	NC	0.0033 ³	ND (0.00026)	
4,4'-DDT	47	NC	0.0033 ³	ND (0.00032)	
Aldrin	0.19	NC	0.005	ND (0.00030)	
alpha-BHC	0.02	NC	0.02	ND (0.00019)	
beta-BHC	0.09	NC	0.036	ND (0.00041)	
alpha-Chlordane	2.9	NC	0.094	ND (0.00024)	
gamma-Chlordane	NC	NC	NC	ND (0.00045)	
delta-BHC	0.25	NC	0.04	ND (0.00032)	
Dieldrin	0.1	NC	0.005	ND (0.00025)	
Endosulfan I	102	NC	2.4	ND (0.00025)	
Endosulfan II	102	NC	2.4	ND (0.00039)	
Endosulfan sulfate	200	NC	2.4	ND (0.00028)	
Endrin	0.06	NC	0.014	ND (0.00021)	
Endrin aldehyde	NC	NC	NC	ND (0.00034)	
Endrin ketone	NC	NC	NC	ND (0.00026)	
gamma-BHC (Lindane)	0.1	NC	NC	ND (0.00032)	
Heptachlor	0.38	NC	0.042	ND (0.00032)	
Heptachlor epoxide	NC	NC	NC	ND (0.00024)	
Methoxychlor	NC	1,000	NC	ND (0.00064)	
Parathion	NC	1,000	NC	NA	
Silvex (2,4,5-TP)	3.8	NC	3.8	NA	
2,4,5-T	NC	1,000	NC	NA	
2,4-D	NC	1,000	NC	NA	
Toxaphene	NC	NC	NC	ND (0.00082)	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for stringent SCO exceeded is shown unless otherwise noted.

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NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Weldon Fanwood Screening	Weldon Fanwood Select Fill	Allocco	Ticon New York, Inc
LAB ID:				JB15010-1A	JB15010-2A	1012806-01	07616-001
COLLECTION DATE:				8/29/12	8/29/12	1/24/11	8/3/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	<0.062	<0.068	NA	<0.034
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	<0.15	<0.17	NA	<0.034
2,3,4,6-Tetrachlorophenol	NC	NC	NC	<0.15	<0.17	NA	<0.034
2,4,5-Trichlorophenol	NC	1,000	NC	<0.15	<0.17	NA	<0.034
2,4,6-Trichlorophenol	NC	NC	NC	<0.15	<0.17	NA	<0.034
2,4-Dichlorophenol	NC	1,000	NC	<0.15	<0.17	NA	<0.034
2,4-Dimethylphenol	NC	NC	NC	<0.15	<0.17	NA	<0.034
2,4-Dinitrophenol	NC	1,000	NC	<0.62	<0.68	NA	<0.034
2,4-Dinitrotoluene	NC	NC	NC	<0.062	<0.068	NA	<0.034
2,6-Dinitrotoluene	NC	NC	NC	<0.062	<0.068	NA	<0.034
2-Chloronaphthalene	NC	NC	NC	<0.062	<0.068	NA	<0.034
2-Chlorophenol	NC	1,000	NC	<0.15	<0.17	NA	<0.034
2-Methylnaphthalene	NC	NC	NC	<0.062	<0.068	NA	<0.034
2-Methylphenol (o-cresol)	0.33	NC	0.33	<0.062	<0.068	<0.280	<0.034
2-Nitroaniline	NC	NC	NC	<0.15	<0.17	NA	<0.034
2-Nitrophenol	NC	NC	NC	<0.15	<0.17	NA	<0.034
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	<0.062	<0.068	<0.280	<0.034
3,3'-Dichlorobenzidine	NC	NC	NC	<0.15	<0.17	NA	<0.034
3-Nitroaniline	NC	NC	NC	<0.15	<0.17	NA	<0.034
4,6-Dinitro-2-methylphenol	NC	NC	NC	<0.62	<0.68	NA	<0.034
4-Bromophenyl phenyl ether	NC	NC	NC	<0.062	<0.068	NA	<0.034
4-Chloro-3-methylphenol	NC	NC	NC	<0.15	<0.17	NA	<0.034
4-Chloroaniline	NC	1,000	NC	<0.15	<0.17	NA	<0.034
4-Chlorophenyl phenyl ether	NC	NC	NC	<0.062	<0.068	NA	<0.034
4-Nitroaniline	NC	NC	NC	<0.15	<0.17	NA	<0.034
4-Nitrophenol	NC	NC	NC	<0.31	<0.34	NA	<0.034
Acenaphthene	98	NC	20	<0.031	<0.034	<0.285	<0.034
Acenaphthylene	107	NC	100	<0.031	<0.034	<0.280	<0.034
Acetophenone	NC	NC	NC	<0.15	<0.17	NA	<0.034
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	<0.031	<0.034	<0.728	<0.034
Atrazine	NC	NC	NC	<0.15	<0.17	NA	<0.034
Benzaldehyde	NC	NC	NC	<0.15	<0.17	NA	<0.034
Benzo[a]anthracene	1	NC	1	<0.031	<0.034	1.04	<0.034
Benzo[a]pyrene	1	NC	1	<0.031	<0.034	0.924	<0.034
Benzo[b]fluoranthene	1.7	NC	1	<0.031	<0.034	1.04	<0.034
Benzo[g,h,i]perylene	500	NC	100	<0.031	<0.034	0.663	<0.034
Benzo[k]fluoranthene	1.7	NC	0.8	<0.031	<0.034	NA	<0.034
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	<0.062	<0.068	NA	<0.034
Bis(2-chloroethyl)ether	NC	NC	NC	<0.062	<0.068	NA	<0.034
Bis(2-chloroisopropyl)ether	NC	NC	NC	<0.062	<0.068	NA	<0.034
Bis(2-ethylhexyl) phthalate	NC	NC	NC	<0.062	<0.068	NA	<0.034
Butyl benzyl phthalate	NC	1,000	NC	<0.062	<0.068	NA	<0.034
Caprolactam	NC	NC	NC	<0.062	<0.068	NA	<0.034
Carbazole	NC	NC	NC	<0.062	<0.068	NA	<0.034
Chrysene	1	NC	1	<0.031	<0.034	1.09	<0.034
Dibenz(a,h)anthracene	0.56	NC	0.33	<0.031	<0.034	<0.280	<0.034
Dibenzofuran	NC	NC	NC	<0.062	<0.068	<0.280	<0.034
Diethyl phthalate	NC	1,000	NC	<0.062	<0.068	NA	<0.034
Dimethyl phthalate	NC	1,000	NC	<0.062	<0.068	NA	<0.034
Di-n-butyl phthalate	NC	1,000	NC	<0.062	<0.068	NA	<0.034
Di-n-octyl phthalate	NC	1,000	NC	<0.062	<0.068	NA	<0.034
Fluoranthene	500	NC	100	<0.031	<0.034	2.1	<0.034
Fluorene	386	NC	30	<0.031	<0.034	<0.327	<0.034
Hexachlorobenzene	3.2	NC	NC	<0.062	<0.068	<0.280	<0.034
Hexachlorobutadiene	NC	NC	NC	<0.031	<0.034	NA	<0.034
Hexachlorocyclopentadiene	NC	NC	NC	<0.31	<0.34	NA	<0.034
Hexachloroethane	NC	NC	NC	<0.15	<0.17	NA	<0.034
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	<0.031	<0.034	0.625	<0.034
Isophorone	NC	1,000	NC	<0.062	<0.068	NA	<0.034
Naphthalene	12	NC	12	<0.031	<0.034	<0.280	<0.034
Nitrobenzene	NC	140	NC	<0.062	<0.068	NA	<0.034
N-Nitroso-di-n-propylamine	NC	NC	NC	<0.062	<0.068	NA	<0.034
N-Nitrosodiphenylamine	NC	NC	NC	<0.15	<0.17	NA	<0.034
Pentachlorophenol	0.8	NC	0.8	<0.31	<0.34	<0.280	<0.034
Phenanthrene	500	NC	100	<0.031	<0.034	2.1	<0.034
Phenol	0.33	NC	0.33	<0.062	<0.068	<0.280	<0.034
Pyrene	500	NC	100	<0.031	<0.034	2.06	<0.034
Total TIC, Semi-Volatile	NC	NC	NC	NA	NA	NA	NA
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Amboy Aggregates Sand	Amboy Aggregates Sand 1	Amboy Aggregates Sand 2	Bayshore Screening Pile - Soil 1
LAB ID:				E11-12558-001	JB19430-1A	JB19430-2A	JB19431-1A
COLLECTION DATE:				12/16/11	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.0038)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.010)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.034)
2,4,5-Trichlorophenol	NC	1,000	NC	<0.066	<0.16	<0.17	ND (0.038)
2,4,6-Trichlorophenol	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.031)
2,4-Dichlorophenol	NC	1,000	NC	<0.066	<0.16	<0.17	ND (0.053)
2,4-Dimethylphenol	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.055)
2,4-Dinitrophenol	NC	1,000	NC	<0.066	<0.62	<0.62	ND (0.040)
2,4-Dinitrotoluene	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.010)
2-Chlorophenol	NC	1,000	NC	<0.066	<0.16	<0.17	ND (0.033)
2-Methylnaphthalene	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.018)
2-Methylphenol (o-cresol)	0.33	NC	0.33	<0.066	<0.064	<0.068	ND (0.037)
2-Nitroaniline	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.014)
2-Nitrophenol	NC	NC	NC	<0.066	<0.15	<0.15	ND (0.035)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	<0.066	<0.064	<0.068	ND (0.042)
3,3'-Dichlorobenzidine	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.0083)
3-Nitroaniline	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	<0.066	<0.62	<0.62	ND (0.040)
4-Bromophenyl phenyl ether	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.033)
4-Chloroaniline	NC	1,000	NC	<0.066	<0.16	<0.17	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.0099)
4-Nitroaniline	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.013)
4-Nitrophenol	NC	NC	NC	<0.066	<0.32	<0.32	ND (0.056)
Acenaphthene	98	NC	20	<0.066	<0.032	<0.034	ND (0.0095)
Acenaphthylene	107	NC	100	<0.066	<0.032	<0.034	ND (0.011)
Acetophenone	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.0058)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	<0.066	<0.032	<0.034	ND (0.012)
Atrazine	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.0065)
Benzaldehyde	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.0076)
Benzo[a]anthracene	1	NC	1	<0.066	<0.032	<0.034	0.0151 J
Benzo[a]pyrene	1	NC	1	<0.066	<0.032	<0.034	ND (0.010)
Benzo[b]fluoranthene	1.7	NC	1	<0.066	<0.032	<0.034	ND (0.011)
Benzo[g,h,i]perylene	500	NC	100	<0.066	<0.032	<0.034	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	<0.066	<0.032	<0.034	ND (0.012)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.0099)
Bis(2-chloroisopropyl)ether	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.0098)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.029)
Butyl benzyl phthalate	NC	1,000	NC	<0.066	<0.064	<0.068	ND (0.019)
Caprolactam	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.010)
Carbazole	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.015)
Chrysene	1	NC	1	<0.066	<0.032	<0.034	0.0124 J
Dibenz[a,h]anthracene	0.56	NC	0.33	<0.066	<0.032	<0.034	ND (0.011)
Dibenzofuran	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.0098)
Diethyl phthalate	NC	1,000	NC	<0.066	<0.064	<0.068	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	<0.066	<0.064	<0.068	0.0349 JB
Di-n-butyl phthalate	NC	1,000	NC	<0.066	<0.064	<0.068	ND (0.0073)
Di-n-octyl phthalate	NC	1,000	NC	<0.066	<0.064	<0.068	ND (0.016)
Fluoranthene	500	NC	100	<0.066	<0.032	<0.034	0.0229 J
Fluorene	386	NC	30	<0.066	<0.032	<0.034	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	<0.066	<0.064	<0.068	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	<0.066	<0.032	<0.034	ND (0.0091)
Hexachlorocyclopentadiene	NC	NC	NC	<0.066	<0.32	<0.32	ND (0.034)
Hexachloroethane	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.0091)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	<0.066	<0.032	<0.034	ND (0.011)
Isophorone	NC	1,000	NC	<0.066	<0.064	<0.068	ND (0.0088)
Naphthalene	12	NC	12	<0.066	<0.032	<0.034	ND (0.0090)
Nitrobenzene	NC	140	NC	<0.066	<0.064	<0.068	ND (0.0095)
N-Nitroso-di-n-propylamine	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.0080)
N-Nitrosodiphenylamine	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.020)
Pentachlorophenol	0.8	NC	0.8	<0.066	<0.32	<0.32	ND (0.056)
Phenanthrene	500	NC	100	<0.066	<0.032	<0.034	0.0175 J
Phenol	0.33	NC	0.33	<0.066	<0.064	<0.068	ND (0.035)
Pyrene	500	NC	100	<0.066	<0.032	<0.034	0.0258 J
Total TIC, Semi-Volatile	NC	NC	NC	NA	NA	NA	NA
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Bayshore Screening Pile - Soil 2	Bayshore Screening Pile - Soil 3	Bayshore Screening Pile - Soil 4	Bayshore Screening Pile - Soil 5
LAB ID:				JB19431-2A	JB19431-3A	JB19431-4A	JB19431-5A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0044)	ND (0.0041)	ND (0.0041)	ND (0.0042)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.037)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.044)	ND (0.041)	ND (0.041)	ND (0.042)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.035)	ND (0.033)	ND (0.033)	ND (0.034)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.060)	ND (0.056)	ND (0.057)	ND (0.058)
2,4-Dimethylphenol	NC	NC	NC	ND (0.063)	ND (0.059)	ND (0.059)	ND (0.061)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.046)	ND (0.043)	ND (0.043)	ND (0.044)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.016)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.014)
2-Chloronaphthalene	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
2-Chlorophenol	NC	1,000	NC	ND (0.038)	ND (0.035)	ND (0.036)	ND (0.037)
2-Methylnaphthalene	NC	NC	NC	ND (0.021)	ND (0.019)	ND (0.020)	ND (0.020)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.043)	ND (0.040)	ND (0.040)	ND (0.041)
2-Nitroaniline	NC	NC	NC	ND (0.017)	ND (0.015)	ND (0.016)	ND (0.016)
2-Nitrophenol	NC	NC	NC	ND (0.040)	ND (0.037)	ND (0.037)	ND (0.038)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.048)	ND (0.044)	ND (0.045)	ND (0.046)
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0095)	ND (0.0089)	ND (0.0090)	ND (0.0092)
3-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.046)	ND (0.043)	ND (0.043)	ND (0.044)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.038)	ND (0.035)	ND (0.035)	ND (0.036)
4-Chloroaniline	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.012)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
4-Nitrophenol	NC	NC	NC	ND (0.063)	ND (0.059)	ND (0.060)	ND (0.061)
Acenaphthene	98	NC	20	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Acenaphthylene	107	NC	100	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.012)
Acetophenone	NC	NC	NC	ND (0.0066)	ND (0.0061)	ND (0.0062)	ND (0.0064)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.013)
Atrazine	NC	NC	NC	ND (0.0074)	ND (0.0069)	ND (0.0070)	ND (0.0071)
Benzaldehyde	NC	NC	NC	ND (0.0086)	ND (0.0080)	ND (0.0081)	ND (0.0083)
Benzo[a]anthracene	1	NC	1	ND (0.012)	ND (0.011)	0.0159	0.0197
Benzo[a]pyrene	1	NC	1	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
Benzo[g,h,i]perylene	500	NC	100	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.014)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.015)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.011)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.033)	ND (0.031)	ND (0.031)	ND (0.032)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.022)	ND (0.020)	ND (0.020)	ND (0.021)
Caprolactam	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
Carbazole	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.017)
Chrysene	1	NC	1	ND (0.013)	ND (0.012)	ND (0.012)	0.0176
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
Dibenzofuran	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.011)
Diethyl phthalate	NC	1,000	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
Dimethyl phthalate	NC	1,000	NC	0.0395	0.0471	0.0748	0.0813
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0083)	ND (0.0078)	ND (0.0078)	ND (0.0080)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.018)
Fluoranthene	500	NC	100	ND (0.017)	0.017	0.0209	0.0246
Fluorene	386	NC	30	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)
Hexachlorobenzene	3.2	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)
Hexachlorobutadiene	NC	NC	NC	ND (0.010)	ND (0.0097)	ND (0.0098)	ND (0.010)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.038)	ND (0.036)	ND (0.036)	ND (0.037)
Hexachloroethane	NC	NC	NC	ND (0.010)	ND (0.0097)	ND (0.0098)	ND (0.010)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.013)
Isophorone	NC	1,000	NC	ND (0.010)	ND (0.0094)	ND (0.0095)	ND (0.0097)
Naphthalene	12	NC	12	ND (0.010)	ND (0.0095)	ND (0.0096)	ND (0.0099)
Nitrobenzene	NC	140	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0092)	ND (0.0085)	ND (0.0086)	ND (0.0088)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.022)	ND (0.021)	ND (0.021)	ND (0.022)
Pentachlorophenol	0.8	NC	0.8	ND (0.064)	ND (0.060)	ND (0.060)	ND (0.062)
Phenanthrene	500	NC	100	ND (0.017)	ND (0.016)	0.0255	0.0171
Phenol	0.33	NC	0.33	ND (0.039)	ND (0.037)	ND (0.037)	ND (0.038)
Pyrene	500	NC	100	0.0202	0.0188	0.0273	0.0348
Total TIC, Semi-Volatile	NC	NC	NC	NA	0.17	NA	0.35
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Bayshore Screening Pile - Soil 6	Bayshore Screening Pile - Soil 7	Bayshore Screening Pile - Soil 8	Bayshore Screening Pile - Soil 9
LAB ID:				JB19431-6A	JB19431-7A	JB19431-8A	JB19431-9A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0045)	ND (0.0042)	ND (0.0038)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.010)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.035)	ND (0.040)	ND (0.037)	ND (0.034)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.045)	ND (0.042)	ND (0.038)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.032)	ND (0.037)	ND (0.034)	ND (0.031)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.055)	ND (0.063)	ND (0.058)	ND (0.053)
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.066)	ND (0.061)	ND (0.055)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.048)	ND (0.044)	ND (0.040)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.015)	ND (0.014)	ND (0.012)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.010)
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.040)	ND (0.037)	ND (0.033)
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.022)	ND (0.020)	ND (0.018)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.045)	ND (0.041)	ND (0.037)
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.014)
2-Nitrophenol	NC	NC	NC	ND (0.036)	ND (0.042)	ND (0.038)	ND (0.035)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.043)	ND (0.050)	ND (0.046)	ND (0.042)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0087)	ND (0.010)	ND (0.0092)	ND (0.0083)
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.015)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.048)	ND (0.044)	ND (0.040)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.034)	ND (0.039)	ND (0.036)	ND (0.033)
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.013)	ND (0.012)	ND (0.010)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.0099)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.015)	ND (0.014)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.058)	ND (0.066)	ND (0.061)	ND (0.055)
Acenaphthene	98	NC	20	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.0095)
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.013)	ND (0.012)	0.0216
Acetophenone	NC	NC	NC	ND (0.0060)	ND (0.0069)	ND (0.0064)	ND (0.0058)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.011)
Atrazine	NC	NC	NC	ND (0.0067)	ND (0.0077)	ND (0.0071)	ND (0.0065)
Benzaldehyde	NC	NC	NC	ND (0.0079)	ND (0.0090)	ND (0.0083)	ND (0.0075)
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.013)	ND (0.012)	0.0388
Benzo[a]pyrene	1	NC	1	ND (0.010)	ND (0.012)	ND (0.011)	0.0476
Benzo[b]fluoranthene	1.7	NC	1	ND (0.011)	ND (0.013)	ND (0.012)	0.0361
Benzo[g,h,i]perylene	500	NC	100	ND (0.013)	ND (0.015)	ND (0.013)	0.043
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.015)	ND (0.014)	0.0307
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.015)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.0099)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.0097)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.030)	ND (0.035)	ND (0.032)	ND (0.029)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.023)	ND (0.021)	ND (0.019)
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.010)
Carbazole	NC	NC	NC	ND (0.016)	ND (0.018)	ND (0.017)	ND (0.015)
Chrysene	1	NC	1	ND (0.012)	ND (0.013)	ND (0.012)	0.043
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.011)
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.0097)
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	0.0476	JB 0.0753	B ND (0.012)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0076)	ND (0.0087)	ND (0.0081)	ND (0.0073)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.019)	ND (0.018)	ND (0.016)
Fluoranthene	500	NC	100	ND (0.015)	ND (0.017)	ND (0.016)	0.0472
Fluorene	386	NC	30	ND (0.011)	ND (0.013)	ND (0.012)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.013)	ND (0.012)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0095)	ND (0.011)	ND (0.010)	ND (0.0091)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.040)	ND (0.037)	ND (0.033)
Hexachloroethane	NC	NC	NC	ND (0.0095)	ND (0.011)	ND (0.010)	ND (0.0091)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.012)	ND (0.014)	ND (0.013)	0.0315
Isophorone	NC	1,000	NC	ND (0.0092)	ND (0.011)	ND (0.0098)	ND (0.0088)
Naphthalene	12	NC	12	ND (0.0093)	ND (0.011)	ND (0.0099)	ND (0.0089)
Nitrobenzene	NC	140	NC	ND (0.0099)	ND (0.011)	ND (0.010)	ND (0.0095)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0084)	ND (0.0096)	ND (0.0088)	ND (0.0080)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.020)	ND (0.023)	ND (0.022)	ND (0.020)
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.067)	ND (0.062)	ND (0.056)
Phenanthrene	500	NC	100	ND (0.016)	ND (0.018)	ND (0.017)	0.0282
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.041)	ND (0.038)	ND (0.034)
Pyrene	500	NC	100	0.016	J ND (0.015)	ND (0.014)	0.0769
Total TIC, Semi-Volatile	NC	NC	NC	NA	NA	NA	0.83
Total Alkanes	NC	NC	NC	NA	NA	2.13	J NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Bayshore Screening Pile - Soil 10	Bayshore Screening Pile - Soil 11	Bayshore Screening Pile - Soil 12	Bayshore Screening Pile - Soil 13
LAB ID:				JB19431-10A	JB19431-11A	JB19431-12A	JB19431-13A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0043)	ND (0.0043)	ND (0.0042)	ND (0.0037)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.038)	ND (0.038)	ND (0.037)	ND (0.033)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.043)	ND (0.043)	ND (0.042)	ND (0.037)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.034)	ND (0.030)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.059)	ND (0.060)	ND (0.058)	ND (0.052)
2,4-Dimethylphenol	NC	NC	NC	ND (0.062)	ND (0.062)	ND (0.061)	ND (0.054)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.045)	ND (0.045)	ND (0.044)	ND (0.039)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.012)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.0099)
2-Chlorophenol	NC	1,000	NC	ND (0.037)	ND (0.038)	ND (0.037)	ND (0.032)
2-Methylnaphthalene	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.018)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.042)	ND (0.042)	ND (0.041)	ND (0.037)
2-Nitroaniline	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.014)
2-Nitrophenol	NC	NC	NC	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.034)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.047)	ND (0.047)	ND (0.046)	ND (0.041)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0093)	ND (0.0094)	ND (0.0092)	ND (0.0081)
3-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.045)	ND (0.045)	ND (0.044)	ND (0.039)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.032)
4-Chloroaniline	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.010)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0096)
4-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.062)	ND (0.063)	ND (0.061)	ND (0.054)
Acenaphthene	98	NC	20	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0093)
Acenaphthylene	107	NC	100	ND (0.012)	ND (0.012)	ND (0.012)	0.0265 J
Acetophenone	NC	NC	NC	ND (0.0065)	ND (0.0065)	ND (0.0064)	ND (0.0056)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.013)	ND (0.013)	ND (0.013)	0.017 J
Atrazine	NC	NC	NC	ND (0.0073)	ND (0.0073)	ND (0.0071)	ND (0.0063)
Benzaldehyde	NC	NC	NC	ND (0.0085)	ND (0.0085)	ND (0.0083)	ND (0.0074)
Benzo[a]anthracene	1	NC	1	0.0312 J	0.0148 J	0.0148 J	0.0627 J
Benzo[a]pyrene	1	NC	1	0.0285 J	ND (0.011)	ND (0.011)	0.0643 J
Benzo[b]fluoranthene	1.7	NC	1	0.0326 J	ND (0.012)	ND (0.012)	0.0527 J
Benzo[g,h,i]perylene	500	NC	100	0.0233 J	ND (0.014)	ND (0.013)	0.0473 J
Benzo[k]fluoranthene	1.7	NC	0.8	0.0155 J	ND (0.014)	ND (0.014)	0.0437 J
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0096)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0095)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.032)	ND (0.033)	ND (0.032)	ND (0.028)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.019)
Caprolactam	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.010)
Carbazole	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.015)
Chrysene	1	NC	1	0.0307 J	ND (0.013)	0.0148 J	0.0615 J
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.013)	ND (0.013)	ND (0.012)	0.014 J
Dibenzofuran	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0095)
Diethyl phthalate	NC	1,000	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	0.0395 JB	0.0921 B	0.0532 JB	0.0424 JB
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0082)	ND (0.0082)	ND (0.0080)	ND (0.0071)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.016)
Fluoranthene	500	NC	100	0.0337 J	ND (0.016)	ND (0.016)	0.0729 J
Fluorene	386	NC	30	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.010)
Hexachlorobutadiene	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0089)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.038)	ND (0.038)	ND (0.037)	ND (0.033)
Hexachloroethane	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0089)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.0177 J	ND (0.013)	ND (0.013)	0.0379 J
Isophorone	NC	1,000	NC	ND (0.0099)	ND (0.010)	ND (0.0097)	ND (0.0086)
Naphthalene	12	NC	12	ND (0.010)	ND (0.010)	ND (0.0099)	ND (0.0087)
Nitrobenzene	NC	140	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0093)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0090)	ND (0.0091)	ND (0.0088)	ND (0.0078)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.019)
Pentachlorophenol	0.8	NC	0.8	ND (0.063)	ND (0.064)	ND (0.062)	ND (0.055)
Phenanthrene	500	NC	100	0.0173 J	ND (0.017)	ND (0.016)	0.0521 J
Phenol	0.33	NC	0.33	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.034)
Pyrene	500	NC	100	0.0483 J	ND (0.014)	0.0172 J	0.108 J
Total TIC, Semi-Volatile	NC	NC	NC	0.91 J	NA	0.51 J	3.22 J
Total Alkanes	NC	NC	NC	NA	NA	NA	0.16 J

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Bayshore Screening Pile - Soil 14	Bayshore Screening Pile - Soil 15	Former Raritan Arsenal Fill - Soil 1	Former Raritan Arsenal Fill - Soil 2	
LAB ID:				JB19431-14A	JB19431-15A	JB19112-1A	JB19112-2A	
COLLECTION DATE:				10/16/12	10/16/12	10/12/12	10/12/12	
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	
UNITS:				mg/Kg	mg/Kg	mg/kg	mg/kg	
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	
1,1'-Biphenyl	NC	NC	NC	ND (0.0043)	ND (0.0040)	ND (0.0040)	ND (0.0039)	
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.038)	ND (0.035)	ND (0.036)	ND (0.035)	
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.043)	ND (0.040)	ND (0.040)	ND (0.039)	
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.034)	ND (0.032)	ND (0.032)	ND (0.032)	
2,4-Dichlorophenol	NC	1,000	NC	ND (0.059)	ND (0.055)	ND (0.056)	ND (0.054)	
2,4-Dimethylphenol	NC	NC	NC	ND (0.062)	ND (0.058)	ND (0.058)	ND (0.057)	
2,4-Dinitrophenol	NC	1,000	NC	ND (0.045)	ND (0.042)	ND (0.042)	ND (0.041)	
2,4-Dinitrotoluene	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.015)	
2,6-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)	
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	
2-Chlorophenol	NC	1,000	NC	ND (0.037)	ND (0.035)	ND (0.035)	ND (0.034)	
2-Methylnaphthalene	NC	NC	NC	ND (0.020)	ND (0.019)	ND (0.019)	ND (0.019)	
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.042)	ND (0.039)	ND (0.039)	ND (0.039)	
2-Nitroaniline	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.015)	
2-Nitrophenol	NC	NC	NC	ND (0.039)	ND (0.036)	ND (0.037)	ND (0.036)	
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.047)	ND (0.044)	ND (0.044)	ND (0.043)	
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0093)	ND (0.0087)	ND (0.0088)	ND (0.0086)	
3-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.045)	ND (0.042)	ND (0.042)	ND (0.041)	
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)	
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.037)	ND (0.034)	ND (0.035)	ND (0.034)	
4-Chloroaniline	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)	
4-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)	
4-Nitrophenol	NC	NC	NC	ND (0.062)	ND (0.058)	ND (0.058)	ND (0.057)	
Acenaphthene	98	NC	20	ND (0.011)	ND (0.0099)	ND (0.010)	ND (0.0098)	
Acenaphthylene	107	NC	100	ND (0.012)	0.0246	J ND (0.011)	ND (0.011)	
Acetophenone	NC	NC	NC	ND (0.0065)	ND (0.0060)	ND (0.0061)	ND (0.0060)	
Aniline	NC	1,000	NC	NA	NA	NA	NA	
Anthracene	500	NC	100	ND (0.013)	0.0249	J ND (0.012)	ND (0.012)	
Atrazine	NC	NC	NC	ND (0.0072)	ND (0.0068)	ND (0.0068)	ND (0.0067)	
Benzaldehyde	NC	NC	NC	ND (0.0084)	ND (0.0079)	ND (0.0080)	ND (0.0078)	
Benzo[a]anthracene	1	NC	1	0.0272	J 0.0918	ND (0.011)	0.0185	J
Benzo[a]pyrene	1	NC	1	0.0258	J 0.0904	ND (0.011)	0.0175	J
Benzo[b]fluoranthene	1.7	NC	1	0.0283	J 0.101	ND (0.012)	0.0181	J
Benzo[g,h,i]perylene	500	NC	100	0.0205	J 0.074	ND (0.013)	ND (0.013)	
Benzo[k]fluoranthene	1.7	NC	0.8	0.0142	J 0.0554	ND (0.013)	ND (0.013)	
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA	
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)	
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)	
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.032)	ND (0.030)	ND (0.031)	ND (0.030)	
Butyl benzyl phthalate	NC	1,000	NC	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)	
Caprolactam	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Carbazole	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.016)	
Chrysene	1	NC	1	0.0284	J 0.0984	ND (0.012)	0.0225	J
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.013)	0.0224	J ND (0.012)	ND (0.012)	
Dibenzofuran	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)	
Diethyl phthalate	NC	1,000	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)	
Dimethyl phthalate	NC	1,000	NC	0.0398	JB 0.0768	B ND (0.012)	0.166	
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0081)	ND (0.0076)	ND (0.0077)	ND (0.0075)	
Di-n-octyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.016)	
Fluoranthene	500	NC	100	0.0326	J 0.145	ND (0.015)	0.0302	J
Fluorene	386	NC	30	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Hexachlorobenzene	3.2	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Hexachlorobutadiene	NC	NC	NC	ND (0.010)	ND (0.0095)	ND (0.0096)	ND (0.0094)	
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.037)	ND (0.035)	ND (0.035)	ND (0.034)	
Hexachloroethane	NC	NC	NC	ND (0.010)	ND (0.0095)	ND (0.0096)	ND (0.0094)	
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.015	J 0.063	ND (0.012)	ND (0.012)	
Isophorone	NC	1,000	NC	ND (0.0099)	ND (0.0092)	ND (0.0093)	ND (0.0091)	
Naphthalene	12	NC	12	ND (0.010)	ND (0.0094)	ND (0.0094)	ND (0.0092)	
Nitrobenzene	NC	140	NC	ND (0.011)	ND (0.0099)	ND (0.010)	ND (0.0098)	
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0090)	ND (0.0084)	ND (0.0084)	ND (0.0083)	
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.022)	ND (0.020)	ND (0.021)	ND (0.020)	
Pentachlorophenol	0.8	NC	0.8	ND (0.063)	ND (0.059)	ND (0.059)	ND (0.058)	
Phenanthrene	500	NC	100	0.0247	J 0.0964	ND (0.016)	0.0237	J
Phenol	0.33	NC	0.33	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.036)	
Pyrene	500	NC	100	0.046	0.186	ND (0.013)	0.0351	J
Total TIC, Semi-Volatile	NC	NC	NC	0.96	J 8.75	J NA	NA	
Total Alkanes	NC	NC	NC	NA	0.17	J NA	0.15	J

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 3	Former Raritan Arsenal Fill - Soil 4	Former Raritan Arsenal Fill - Soil 5	Former Raritan Arsenal Fill - Soil 6
LAB ID:				JB19112-3A	JB19112-4A	JB19112-5A	JB19112-6A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0036)	ND (0.0039)	ND (0.0037)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.0094)	ND (0.010)	ND (0.0099)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.036)	ND (0.032)	ND (0.034)	ND (0.033)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.036)	ND (0.039)	ND (0.037)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.032)	ND (0.029)	ND (0.031)	ND (0.030)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.056)	ND (0.049)	ND (0.054)	ND (0.052)
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.052)	ND (0.056)	ND (0.054)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.037)	ND (0.041)	ND (0.039)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.013)	ND (0.015)	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.0095)	ND (0.010)	ND (0.010)
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.031)	ND (0.034)	ND (0.033)
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.017)	ND (0.019)	ND (0.018)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.035)	ND (0.038)	ND (0.037)
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.014)
2-Nitrophenol	NC	NC	NC	ND (0.037)	ND (0.033)	ND (0.035)	ND (0.034)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.044)	ND (0.039)	ND (0.042)	ND (0.041)
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0088)	ND (0.0078)	ND (0.0085)	ND (0.0082)
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.012)	ND (0.013)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.037)	ND (0.041)	ND (0.039)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.011)	ND (0.012)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.035)	ND (0.031)	ND (0.033)	ND (0.032)
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.010)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.0092)	ND (0.010)	ND (0.0097)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.058)	ND (0.052)	ND (0.056)	ND (0.054)
Acenaphthene	98	NC	20	ND (0.010)	ND (0.0089)	ND (0.0097)	ND (0.0093)
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.010)
Acetophenone	NC	NC	NC	ND (0.0061)	ND (0.0054)	ND (0.0059)	ND (0.0057)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Atrazine	NC	NC	NC	ND (0.0068)	ND (0.0060)	ND (0.0066)	ND (0.0063)
Benzaldehyde	NC	NC	NC	ND (0.0079)	ND (0.0071)	ND (0.0077)	ND (0.0074)
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.011)
Benzo[a]pyrene	1	NC	1	ND (0.011)	ND (0.0094)	ND (0.010)	ND (0.0098)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.011)
Benzo[g,h,i]perylene	500	NC	100	ND (0.013)	ND (0.011)	ND (0.012)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.012)	ND (0.013)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.0092)	ND (0.010)	ND (0.0097)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.0091)	ND (0.0099)	ND (0.0096)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.030)	ND (0.027)	ND (0.029)	ND (0.028)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.018)	ND (0.019)	ND (0.019)
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.0097)	ND (0.011)	ND (0.010)
Carbazole	NC	NC	NC	ND (0.016)	ND (0.014)	ND (0.015)	ND (0.015)
Chrysene	1	NC	1	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.011)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.011)
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.0091)	ND (0.0099)	ND (0.0096)
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0077)	ND (0.0068)	ND (0.0074)	ND (0.0072)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.015)	ND (0.016)	ND (0.016)
Fluoranthene	500	NC	100	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.014)
Fluorene	386	NC	30	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0096)	ND (0.0085)	ND (0.0093)	ND (0.0090)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.031)	ND (0.034)	ND (0.033)
Hexachloroethane	NC	NC	NC	ND (0.0096)	ND (0.0085)	ND (0.0093)	ND (0.0090)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Isophorone	NC	1,000	NC	ND (0.0093)	ND (0.0083)	ND (0.0090)	ND (0.0087)
Naphthalene	12	NC	12	ND (0.0094)	ND (0.0084)	ND (0.0091)	ND (0.0088)
Nitrobenzene	NC	140	NC	ND (0.010)	ND (0.0089)	ND (0.0096)	ND (0.0093)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0084)	ND (0.0075)	ND (0.0081)	ND (0.0079)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.021)	ND (0.018)	ND (0.020)	ND (0.019)
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.052)	ND (0.057)	ND (0.055)
Phenanthrene	500	NC	100	ND (0.016)	ND (0.014)	ND (0.015)	ND (0.015)
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.032)	ND (0.035)	ND (0.034)
Pyrene	500	NC	100	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)
Total TIC, Semi-Volatile	NC	NC	NC	NA	NA	NA	NA
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 7	Former Raritan Arsenal Fill - Soil 8	Former Raritan Arsenal Fill - Soil 9	Former Raritan Arsenal Fill - Soil 10
LAB ID:				JB19112-7A	JB19112-8A	JB19112-9A	JB19112-10A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	ND (0.0035)	ND (0.0035)	ND (0.0035)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0099)	ND (0.0093)	ND (0.0092)	ND (0.0092)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.031)	ND (0.031)	ND (0.031)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.035)	ND (0.035)	ND (0.035)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.028)	ND (0.028)	ND (0.028)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.052)	ND (0.049)	ND (0.048)	ND (0.048)
2,4-Dimethylphenol	NC	NC	NC	ND (0.054)	ND (0.051)	ND (0.050)	ND (0.050)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.039)	ND (0.037)	ND (0.036)	ND (0.036)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
2-Chloronaphthalene	NC	NC	NC	ND (0.010)	ND (0.0094)	ND (0.0093)	ND (0.0093)
2-Chlorophenol	NC	1,000	NC	ND (0.033)	ND (0.030)	ND (0.030)	ND (0.030)
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.017)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.037)	ND (0.034)	ND (0.034)	ND (0.034)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.032)	ND (0.032)	ND (0.032)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.041)	ND (0.038)	ND (0.038)	ND (0.038)
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0082)	ND (0.0077)	ND (0.0076)	ND (0.0076)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.039)	ND (0.037)	ND (0.036)	ND (0.036)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.030)	ND (0.030)	ND (0.030)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.0097)	ND (0.0096)	ND (0.0096)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0097)	ND (0.0091)	ND (0.0090)	ND (0.0090)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.055)	ND (0.051)	ND (0.051)	ND (0.051)
Acenaphthene	98	NC	20	ND (0.0094)	ND (0.0088)	ND (0.0087)	ND (0.0087)
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.0097)	ND (0.0096)	ND (0.0096)
Acetophenone	NC	NC	NC	ND (0.0057)	ND (0.0053)	ND (0.0053)	ND (0.0053)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)
Atrazine	NC	NC	NC	ND (0.0064)	ND (0.0059)	ND (0.0059)	ND (0.0059)
Benzaldehyde	NC	NC	NC	ND (0.0074)	ND (0.0069)	ND (0.0069)	ND (0.0069)
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.0098)	ND (0.0098)	ND (0.0097)
Benzo[a]pyrene	1	NC	1	ND (0.0099)	ND (0.0092)	ND (0.0091)	ND (0.0091)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Benzo[g,h,i]perylene	500	NC	100	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0097)	ND (0.0091)	ND (0.0090)	ND (0.0090)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0096)	ND (0.0090)	ND (0.0089)	ND (0.0089)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.029)	ND (0.027)	ND (0.026)	ND (0.026)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.019)	ND (0.017)	ND (0.017)	ND (0.017)
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.0095)	ND (0.0094)	ND (0.0094)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
Chrysene	1	NC	1	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Dibenzofuran	NC	NC	NC	ND (0.0096)	ND (0.0090)	ND (0.0089)	ND (0.0089)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Dimethyl phthalate	NC	1,000	NC	0.0786	ND (0.011)	0.0334 J	0.033 J
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0072)	ND (0.0067)	ND (0.0066)	ND (0.0066)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.015)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)
Fluorene	386	NC	30	ND (0.011)	ND (0.0099)	ND (0.0098)	ND (0.0098)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.0098)	ND (0.0098)	ND (0.0097)
Hexachlorobutadiene	NC	NC	NC	ND (0.0090)	ND (0.0084)	ND (0.0083)	ND (0.0083)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.033)	ND (0.031)	ND (0.031)	ND (0.031)
Hexachloroethane	NC	NC	NC	ND (0.0090)	ND (0.0084)	ND (0.0083)	ND (0.0083)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Isophorone	NC	1,000	NC	ND (0.0087)	ND (0.0081)	ND (0.0080)	ND (0.0080)
Naphthalene	12	NC	12	ND (0.0088)	ND (0.0082)	ND (0.0082)	ND (0.0082)
Nitrobenzene	NC	140	NC	ND (0.0093)	ND (0.0087)	ND (0.0086)	ND (0.0086)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0079)	ND (0.0074)	ND (0.0073)	ND (0.0073)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.018)	ND (0.018)	ND (0.018)
Pentachlorophenol	0.8	NC	0.8	ND (0.055)	ND (0.052)	ND (0.051)	ND (0.051)
Phenanthrene	500	NC	100	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
Phenol	0.33	NC	0.33	ND (0.034)	ND (0.032)	ND (0.031)	ND (0.031)
Pyrene	500	NC	100	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
Total TIC, Semi-Volatile	NC	NC	NC	NA	0.49 J	0.31 J	NA
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 11	Former Raritan Arsenal Fill - Soil 12	Former Raritan Arsenal Fill - Soil 13	Former Raritan Arsenal Fill - Soil 14
LAB ID:				JB19112-11A	JB19112-12A	JB19112-13A	JB19112-14A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0038)	ND (0.0035)	ND (0.0037)	ND (0.0034)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.010)	ND (0.0092)	ND (0.0098)	ND (0.0091)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.031)	ND (0.033)	ND (0.031)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.038)	ND (0.035)	ND (0.037)	ND (0.034)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.028)	ND (0.030)	ND (0.028)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.052)	ND (0.048)	ND (0.051)	ND (0.048)
2,4-Dimethylphenol	NC	NC	NC	ND (0.054)	ND (0.051)	ND (0.054)	ND (0.050)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.040)	ND (0.037)	ND (0.039)	ND (0.036)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.013)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
2-Chloronaphthalene	NC	NC	NC	ND (0.010)	ND (0.0093)	ND (0.0099)	ND (0.0092)
2-Chlorophenol	NC	1,000	NC	ND (0.033)	ND (0.030)	ND (0.032)	ND (0.030)
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.017)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.037)	ND (0.034)	ND (0.036)	ND (0.034)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.013)
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.032)	ND (0.034)	ND (0.031)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0082)	ND (0.0076)	ND (0.0081)	ND (0.0075)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.040)	ND (0.037)	ND (0.039)	ND (0.036)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.030)	ND (0.032)	ND (0.030)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.0096)	ND (0.010)	ND (0.0095)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0098)	ND (0.0091)	ND (0.0096)	ND (0.0089)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.055)	ND (0.051)	ND (0.054)	ND (0.050)
Acenaphthene	98	NC	20	ND (0.0094)	ND (0.0087)	ND (0.0093)	ND (0.0086)
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.0096)	ND (0.010)	ND (0.0095)
Acetophenone	NC	NC	NC	ND (0.0057)	ND (0.0053)	ND (0.0056)	ND (0.0052)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Atrazine	NC	NC	NC	ND (0.0064)	ND (0.0059)	ND (0.0063)	ND (0.0059)
Benzaldehyde	NC	NC	NC	ND (0.0075)	ND (0.0069)	ND (0.0073)	ND (0.0068)
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.0098)	ND (0.010)	ND (0.0097)
Benzo[a]pyrene	1	NC	1	ND (0.0099)	ND (0.0092)	ND (0.0097)	ND (0.0091)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.0099)
Benzo[g,h,i]perylene	500	NC	100	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0098)	ND (0.0091)	ND (0.0096)	ND (0.0089)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0096)	ND (0.0089)	ND (0.0095)	ND (0.0088)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.029)	ND (0.027)	ND (0.028)	ND (0.026)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.019)	ND (0.017)	ND (0.018)	ND (0.017)
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.0095)	ND (0.010)	ND (0.0094)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.014)
Chrysene	1	NC	1	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.010)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.010)
Dibenzofuran	NC	NC	NC	ND (0.0096)	ND (0.0089)	ND (0.0095)	ND (0.0088)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.010)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	0.061	ND (0.011)	ND (0.010)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0072)	ND (0.0067)	ND (0.0071)	ND (0.0066)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.014)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.013)
Fluorene	386	NC	30	ND (0.011)	ND (0.0099)	ND (0.010)	ND (0.0097)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.0098)	ND (0.010)	ND (0.0097)
Hexachlorobutadiene	NC	NC	NC	ND (0.0090)	ND (0.0084)	ND (0.0089)	ND (0.0083)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.033)	ND (0.031)	ND (0.033)	ND (0.030)
Hexachloroethane	NC	NC	NC	ND (0.0090)	ND (0.0084)	ND (0.0089)	ND (0.0083)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.010)
Isophorone	NC	1,000	NC	ND (0.0087)	ND (0.0081)	ND (0.0086)	ND (0.0080)
Naphthalene	12	NC	12	ND (0.0089)	ND (0.0082)	ND (0.0087)	ND (0.0081)
Nitrobenzene	NC	140	NC	ND (0.0094)	ND (0.0087)	ND (0.0092)	ND (0.0086)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0079)	ND (0.0073)	ND (0.0078)	ND (0.0073)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.018)
Pentachlorophenol	0.8	NC	0.8	ND (0.055)	ND (0.051)	ND (0.055)	ND (0.051)
Phenanthrene	500	NC	100	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.014)
Phenol	0.33	NC	0.33	ND (0.034)	ND (0.032)	ND (0.034)	ND (0.031)
Pyrene	500	NC	100	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Total TIC, Semi-Volatile	NC	NC	NC	0.13	J	NA	NA
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 15	Former Raritan Arsenal Fill - Soil 16	Former Raritan Arsenal Fill - Soil 17	Former Raritan Arsenal Fill - Soil 18
LAB ID:				JB19112-15A	JB19112-16A	JB19112-17A	JB19112-18A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0034)	ND (0.0036)	ND (0.0035)	ND (0.0037)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0091)	ND (0.0096)	ND (0.0093)	ND (0.0099)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.033)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.034)	ND (0.036)	ND (0.035)	ND (0.037)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.030)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.048)	ND (0.050)	ND (0.049)	ND (0.052)
2,4-Dimethylphenol	NC	NC	NC	ND (0.050)	ND (0.052)	ND (0.051)	ND (0.054)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.036)	ND (0.038)	ND (0.037)	ND (0.039)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)
2-Chloronaphthalene	NC	NC	NC	ND (0.0092)	ND (0.0097)	ND (0.0094)	ND (0.010)
2-Chlorophenol	NC	1,000	NC	ND (0.030)	ND (0.031)	ND (0.031)	ND (0.033)
2-Methylnaphthalene	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.018)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.034)	ND (0.036)	ND (0.035)	ND (0.037)
2-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)
2-Nitrophenol	NC	NC	NC	ND (0.031)	ND (0.033)	ND (0.032)	ND (0.034)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.038)	ND (0.040)	ND (0.038)	ND (0.041)
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0075)	ND (0.0079)	ND (0.0077)	ND (0.0082)
3-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.036)	ND (0.038)	ND (0.037)	ND (0.039)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.030)	ND (0.031)	ND (0.030)	ND (0.032)
4-Chloroaniline	NC	1,000	NC	ND (0.0095)	ND (0.010)	ND (0.0097)	ND (0.010)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0089)	ND (0.0094)	ND (0.0091)	ND (0.0097)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.050)	ND (0.053)	ND (0.051)	ND (0.055)
Acenaphthene	98	NC	20	ND (0.0086)	ND (0.0090)	ND (0.0088)	ND (0.0094)
Acenaphthylene	107	NC	100	ND (0.0095)	ND (0.010)	ND (0.0097)	ND (0.010)
Acetophenone	NC	NC	NC	ND (0.0052)	ND (0.0055)	ND (0.0053)	ND (0.0057)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Atrazine	NC	NC	NC	ND (0.0058)	ND (0.0061)	ND (0.0060)	ND (0.0064)
Benzaldehyde	NC	NC	NC	ND (0.0068)	ND (0.0072)	ND (0.0070)	ND (0.0074)
Benzo[a]anthracene	1	NC	1	ND (0.0097)	ND (0.010)	ND (0.0099)	ND (0.011)
Benzo[a]pyrene	1	NC	1	ND (0.0090)	ND (0.0095)	ND (0.0092)	ND (0.0098)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.0099)	ND (0.010)	ND (0.010)	ND (0.011)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0089)	ND (0.0094)	ND (0.0091)	ND (0.0097)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0088)	ND (0.0093)	ND (0.0090)	ND (0.0096)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.026)	ND (0.028)	ND (0.027)	ND (0.028)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.019)
Caprolactam	NC	NC	NC	ND (0.0093)	ND (0.0098)	ND (0.0095)	ND (0.010)
Carbazole	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
Chrysene	1	NC	1	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
Dibenzofuran	NC	NC	NC	ND (0.0088)	ND (0.0093)	ND (0.0090)	ND (0.0096)
Diethyl phthalate	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0066)	ND (0.0069)	ND (0.0067)	ND (0.0072)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.016)
Fluoranthene	500	NC	100	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)
Fluorene	386	NC	30	ND (0.0097)	ND (0.010)	ND (0.0099)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.0097)	ND (0.010)	ND (0.0099)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0082)	ND (0.0087)	ND (0.0084)	ND (0.0090)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.030)	ND (0.032)	ND (0.031)	ND (0.033)
Hexachloroethane	NC	NC	NC	ND (0.0082)	ND (0.0087)	ND (0.0084)	ND (0.0090)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Isophorone	NC	1,000	NC	ND (0.0080)	ND (0.0084)	ND (0.0082)	ND (0.0087)
Naphthalene	12	NC	12	ND (0.0081)	ND (0.0085)	ND (0.0083)	ND (0.0088)
Nitrobenzene	NC	140	NC	ND (0.0086)	ND (0.0090)	ND (0.0088)	ND (0.0093)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0072)	ND (0.0076)	ND (0.0074)	ND (0.0079)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.018)	ND (0.019)	ND (0.018)	ND (0.019)
Pentachlorophenol	0.8	NC	0.8	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.055)
Phenanthrene	500	NC	100	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.015)
Phenol	0.33	NC	0.33	ND (0.031)	ND (0.033)	ND (0.032)	ND (0.034)
Pyrene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)
Total TIC, Semi-Volatile	NC	NC	NC	NA	NA	NA	NA
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	SAMPLE ID:			Former Raritan Arsenal Fill - Soil 19	Liberty Stone I-78 Soil 1	Liberty Stone I-78 Soil 2	Liberty Stone I-78 Soil 3
	LAB ID:			JB19112-19A	JB18892-1A	JB18892-2A	JB18892-3A
	COLLECTION DATE:			10/12/12	10/10/12	10/10/12	10/10/12
	SAMPLE MATRIX:			Soil	Soil	Soil	Soil
UNITS:			mg/kg	mg/kg	mg/kg	mg/kg	
	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0036)	ND (0.0041)	ND (0.0036)	ND (0.0036)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.0096)	ND (0.0095)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.032)	ND (0.037)	ND (0.032)	ND (0.032)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.036)	ND (0.041)	ND (0.036)	ND (0.036)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.029)	ND (0.033)	ND (0.029)	ND (0.029)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.050)	ND (0.057)	ND (0.050)	ND (0.050)
2,4-Dimethylphenol	NC	NC	NC	ND (0.052)	ND (0.060)	ND (0.053)	ND (0.052)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.038)	ND (0.043)	ND (0.038)	ND (0.038)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.012)	ND (0.012)
2-Chloronaphthalene	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.0097)	ND (0.0096)
2-Chlorophenol	NC	1,000	NC	ND (0.031)	ND (0.036)	ND (0.032)	ND (0.031)
2-Methylnaphthalene	NC	NC	NC	ND (0.017)	ND (0.020)	ND (0.017)	ND (0.017)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.035)	ND (0.041)	ND (0.036)	ND (0.035)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.014)
2-Nitrophenol	NC	NC	NC	ND (0.033)	ND (0.038)	ND (0.033)	ND (0.033)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.045)	ND (0.040)	ND (0.039)
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0079)	ND (0.0090)	ND (0.0079)	ND (0.0079)
3-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.012)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.038)	ND (0.043)	ND (0.038)	ND (0.038)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.031)	ND (0.036)	ND (0.031)	ND (0.031)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.0099)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0094)	ND (0.011)	ND (0.0094)	ND (0.0093)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.012)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.053)	ND (0.060)	ND (0.053)	ND (0.052)
Acenaphthene	98	NC	20	ND (0.0090)	ND (0.010)	ND (0.0091)	ND (0.0090)
Acenaphthylene	107	NC	100	ND (0.010)	0.0235 J	ND (0.010)	ND (0.0099)
Acetophenone	NC	NC	NC	ND (0.0055)	ND (0.0063)	ND (0.0055)	ND (0.0055)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	0.0385	ND (0.011)	ND (0.011)
Atrazine	NC	NC	NC	ND (0.0061)	ND (0.0070)	ND (0.0062)	ND (0.0061)
Benzaldehyde	NC	NC	NC	ND (0.0072)	ND (0.0082)	ND (0.0072)	ND (0.0071)
Benzo[a]anthracene	1	NC	1	ND (0.010)	0.117	0.0262 J	0.0435
Benzo[a]pyrene	1	NC	1	ND (0.0095)	0.137	0.0293 J	0.0507
Benzo[b]fluoranthene	1.7	NC	1	ND (0.010)	0.173	0.0352	0.0609
Benzo[g,h,i]perylene	500	NC	100	ND (0.012)	0.105	0.0269 J	0.0313
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	0.0613	0.0128 J	0.0191 J
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0094)	ND (0.011)	ND (0.0094)	ND (0.0093)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0092)	ND (0.011)	ND (0.0093)	ND (0.0092)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.027)	ND (0.031)	ND (0.028)	ND (0.027)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.021)	ND (0.018)	ND (0.018)
Caprolactam	NC	NC	NC	ND (0.0098)	ND (0.011)	ND (0.0099)	ND (0.0098)
Carbazole	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.014)
Chrysene	1	NC	1	ND (0.011)	0.15	0.0293 J	0.06
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.011)	0.0236 J	ND (0.011)	ND (0.011)
Dibenzofuran	NC	NC	NC	ND (0.0092)	ND (0.011)	ND (0.0093)	ND (0.0092)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	0.0925	0.0447 J	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0069)	ND (0.0079)	ND (0.0069)	ND (0.0069)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.017)	ND (0.015)	ND (0.015)
Fluoranthene	500	NC	100	ND (0.014)	0.196	0.0311	0.0782
Fluorene	386	NC	30	ND (0.010)	ND (0.012)	ND (0.010)	ND (0.010)
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.012)	ND (0.010)	ND (0.010)
Hexachlorobutadiene	NC	NC	NC	ND (0.0087)	ND (0.0099)	ND (0.0087)	ND (0.0086)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.032)	ND (0.036)	ND (0.032)	ND (0.032)
Hexachloroethane	NC	NC	NC	ND (0.0087)	ND (0.0099)	ND (0.0087)	ND (0.0086)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.011)	0.0869	0.0173 J	0.0272 J
Isophorone	NC	1,000	NC	ND (0.0084)	ND (0.0096)	ND (0.0084)	ND (0.0084)
Naphthalene	12	NC	12	ND (0.0085)	ND (0.0097)	ND (0.0085)	ND (0.0085)
Nitrobenzene	NC	140	NC	ND (0.0090)	ND (0.010)	ND (0.0090)	ND (0.0090)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0076)	ND (0.0087)	ND (0.0076)	ND (0.0076)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.021)	ND (0.019)	ND (0.019)
Pentachlorophenol	0.8	NC	0.8	ND (0.053)	ND (0.061)	ND (0.053)	ND (0.053)
Phenanthrene	500	NC	100	ND (0.014)	0.102	ND (0.014)	0.0346
Phenol	0.33	NC	0.33	ND (0.033)	ND (0.037)	ND (0.033)	ND (0.033)
Pyrene	500	NC	100	ND (0.012)	0.236	0.0458	0.0976
Total TIC, Semi-Volatile	NC	NC	NC	NA	1.49 J	0.43 J	0
Total Alkanes	NC	NC	NC	NA	0	0	0

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Liberty Stone I-78 Soil 4	Liberty Stone I-78 Soil 5	Liberty Stone I-78 Soil 6	Liberty Stone I-78 Soil 7
LAB ID:				JB18892-4A	JB18892-5A	JB18892-6A	JB18892-7A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0039)	ND (0.0037)	ND (0.0037)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.0098)	ND (0.0098)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.033)	ND (0.033)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.039)	ND (0.037)	ND (0.037)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.030)	ND (0.030)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.055)	ND (0.054)	ND (0.051)	ND (0.052)
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.057)	ND (0.054)	ND (0.054)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.041)	ND (0.039)	ND (0.039)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.012)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.0099)	ND (0.0099)
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.034)	ND (0.032)	ND (0.032)
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.018)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.039)	ND (0.036)	ND (0.037)
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.014)
2-Nitrophenol	NC	NC	NC	ND (0.036)	ND (0.036)	ND (0.034)	ND (0.034)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.044)	ND (0.043)	ND (0.040)	ND (0.041)
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0087)	ND (0.0086)	ND (0.0081)	ND (0.0081)
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.041)	ND (0.039)	ND (0.039)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.034)	ND (0.034)	ND (0.032)	ND (0.032)
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0096)	ND (0.0096)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.058)	ND (0.057)	ND (0.054)	ND (0.054)
Acenaphthene	98	NC	20	ND (0.010)	ND (0.0098)	ND (0.0092)	ND (0.0093)
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)
Acetophenone	NC	NC	NC	ND (0.0060)	ND (0.0060)	ND (0.0056)	ND (0.0056)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.012)	ND (0.012)	0.0183	0.0143
Atrazine	NC	NC	NC	ND (0.0068)	ND (0.0067)	ND (0.0063)	ND (0.0063)
Benzaldehyde	NC	NC	NC	ND (0.0079)	ND (0.0078)	ND (0.0073)	ND (0.0074)
Benzo[a]anthracene	1	NC	1	0.0449	0.0271	0.0501	0.0375
Benzo[a]pyrene	1	NC	1	0.0418	0.0229	0.0447	0.0385
Benzo[b]fluoranthene	1.7	NC	1	0.0572	0.0257	0.0581	0.0441
Benzo[g,h,i]perylene	500	NC	100	0.0289	0.0169	0.0296	0.028
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	0.0134	0.013	0.0149
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0096)	ND (0.0096)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0095)	ND (0.0095)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.028)	ND (0.028)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.020)	ND (0.018)	ND (0.019)
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)
Carbazole	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.015)
Chrysene	1	NC	1	0.0556	0.0285	0.0545	0.0448
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0095)	ND (0.0095)
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.011)	0.0408
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0076)	ND (0.0075)	ND (0.0071)	ND (0.0071)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.016)
Fluoranthene	500	NC	100	0.0756	0.0361	0.0913	0.062
Fluorene	386	NC	30	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)
Hexachlorobutadiene	NC	NC	NC	ND (0.0095)	ND (0.0094)	ND (0.0089)	ND (0.0089)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.032)	ND (0.033)
Hexachloroethane	NC	NC	NC	ND (0.0095)	ND (0.0094)	ND (0.0089)	ND (0.0089)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.0233	0.0154	0.0239	0.0219
Isophorone	NC	1,000	NC	ND (0.0092)	ND (0.0091)	ND (0.0086)	ND (0.0086)
Naphthalene	12	NC	12	ND (0.0094)	ND (0.0092)	ND (0.0087)	ND (0.0087)
Nitrobenzene	NC	140	NC	ND (0.0099)	ND (0.0098)	ND (0.0092)	ND (0.0093)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0084)	ND (0.0083)	ND (0.0078)	ND (0.0078)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.019)
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.058)	ND (0.054)	ND (0.055)
Phenanthrene	500	NC	100	0.0416	0.0194	0.0685	0.0422
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.034)
Pyrene	500	NC	100	0.1	0.0562	0.0985	0.0795
Total TIC, Semi-Volatile	NC	NC	NC	0.19	0.15	0.42	1.12
Total Alkanes	NC	NC	NC	0	0.39	0.14	0.58

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Liberty Stone I-78 Soil 8	Liberty Stone I-78 Soil 9	Liberty Stone I-78 Soil 10	Liberty Stone I-78 Soil 11			
LAB ID:				JB18892-8A	JB18892-9A	JB18892-10A	JB18892-11A			
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12			
SAMPLE MATRIX:				Soil	Soil	Soil	Soil			
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg			
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result			
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	0.0574	J	ND (0.0037)	ND (0.0037)		
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0099)	ND (0.0098)		ND (0.0099)	ND (0.0099)		
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.033)		ND (0.033)	ND (0.033)		
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.037)		ND (0.037)	ND (0.037)		
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.030)		ND (0.030)	ND (0.030)		
2,4-Dichlorophenol	NC	1,000	NC	ND (0.052)	ND (0.051)		ND (0.052)	ND (0.052)		
2,4-Dimethylphenol	NC	NC	NC	ND (0.054)	ND (0.053)		ND (0.054)	ND (0.054)		
2,4-Dinitrophenol	NC	1,000	NC	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.039)		
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.014)		ND (0.014)	ND (0.014)		
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.012)		ND (0.012)	ND (0.012)		
2-Chloronaphthalene	NC	NC	NC	ND (0.010)	ND (0.0099)		ND (0.010)	ND (0.0099)		
2-Chlorophenol	NC	1,000	NC	ND (0.033)	ND (0.032)		ND (0.032)	ND (0.032)		
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	0.18		ND (0.018)	ND (0.018)		
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.037)	ND (0.036)		ND (0.037)	ND (0.037)		
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)		ND (0.014)	ND (0.014)		
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.034)		ND (0.034)	ND (0.034)		
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.041)	ND (0.040)		ND (0.041)	ND (0.041)		
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0082)	ND (0.0081)		ND (0.0082)	ND (0.0082)		
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)		ND (0.013)	ND (0.013)		
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.039)		
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.012)		ND (0.012)	ND (0.012)		
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.032)		ND (0.032)	ND (0.032)		
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.010)		ND (0.010)	ND (0.010)		
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0097)	ND (0.0096)		ND (0.0097)	ND (0.0097)		
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.012)		ND (0.013)	ND (0.013)		
4-Nitrophenol	NC	NC	NC	ND (0.054)	ND (0.054)		ND (0.054)	ND (0.054)		
Acenaphthene	98	NC	20	ND (0.0093)	0.232		ND (0.0093)	ND (0.0093)		
Acenaphthylene	107	NC	100	0.0342	0.0237	J	ND (0.010)	ND (0.010)		
Acetophenone	NC	NC	NC	ND (0.0057)	ND (0.0056)		ND (0.0057)	ND (0.0056)		
Aniline	NC	1,000	NC	NA	NA		NA	NA		
Anthracene	500	NC	100	0.0444	0.614		0.0144	J	ND (0.011)	
Atrazine	NC	NC	NC	ND (0.0063)	ND (0.0063)		ND (0.0063)	ND (0.0063)		
Benzaldehyde	NC	NC	NC	ND (0.0074)	ND (0.0073)		ND (0.0074)	ND (0.0074)		
Benzo[a]anthracene	1	NC	1	0.136	0.807		0.0226	J	0.0304	J
Benzo[a]pyrene	1	NC	1	0.132	0.619		0.021	J	0.0246	J
Benzo[b]fluoranthene	1.7	NC	1	0.163	0.713		0.0245	J	0.0342	J
Benzo[g,h,i]perylene	500	NC	100	0.0766	0.292		0.0172	J	0.0241	J
Benzo[k]fluoranthene	1.7	NC	0.8	0.0532	0.249		ND (0.012)		0.013	J
Benzoic Acid	NC	1,000	NC	NA	NA		NA		NA	
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.013)		ND (0.013)		ND (0.013)	
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0097)	ND (0.0096)		ND (0.0097)		ND (0.0097)	
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0096)	ND (0.0095)		ND (0.0095)		ND (0.0095)	
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	0.071		ND (0.028)		ND (0.028)	
Butyl benzyl phthalate	NC	1,000	NC	ND (0.019)	ND (0.018)		ND (0.019)		ND (0.019)	
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.010)		ND (0.010)		ND (0.010)	
Carbazole	NC	NC	NC	0.0311	0.328	J	ND (0.015)		ND (0.015)	
Chrysene	1	NC	1	0.177	0.848		0.0213	J	0.0288	J
Dibenz[a,h]anthracene	0.56	NC	0.33	0.0195	0.0911	J	ND (0.011)		ND (0.011)	
Dibenzofuran	NC	NC	NC	ND (0.0096)	0.345		ND (0.0095)		ND (0.0095)	
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)		ND (0.011)		ND (0.011)	
Dimethyl phthalate	NC	1,000	NC	0.0392	0.0424	J	0.0465	J	0.0484	J
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0071)	ND (0.0071)		ND (0.0071)		ND (0.0071)	
Di-n-octyl phthalate	NC	1,000	NC	ND (0.016)	ND (0.016)		ND (0.016)		ND (0.016)	
Fluoranthene	500	NC	100	0.306	1.95		0.0349		0.0445	
Fluorene	386	NC	30	0.0231	0.362	J	ND (0.011)		ND (0.011)	
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.010)		ND (0.010)		ND (0.010)	
Hexachlorobutadiene	NC	NC	NC	ND (0.0089)	ND (0.0089)		ND (0.0089)		ND (0.0089)	
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.033)	ND (0.032)		ND (0.033)		ND (0.033)	
Hexachloroethane	NC	NC	NC	ND (0.0089)	ND (0.0089)		ND (0.0089)		ND (0.0089)	
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.0654	0.266		ND (0.011)		0.0142	J
Isophorone	NC	1,000	NC	ND (0.0087)	ND (0.0086)		ND (0.0086)		ND (0.0086)	
Naphthalene	12	NC	12	0.0333	0.811		ND (0.0088)		ND (0.0088)	
Nitrobenzene	NC	140	NC	ND (0.0093)	ND (0.0092)		ND (0.0093)		ND (0.0093)	
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0079)	ND (0.0078)		ND (0.0078)		ND (0.0078)	
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.019)		ND (0.019)		ND (0.019)	
Pentachlorophenol	0.8	NC	0.8	ND (0.055)	ND (0.054)		ND (0.055)		ND (0.055)	
Phenanthrene	500	NC	100	0.269	3.22		0.027	J	0.0303	J
Phenol	0.33	NC	0.33	ND (0.034)	ND (0.033)		ND (0.034)		ND (0.034)	
Pyrene	500	NC	100	0.316	2.09		0.0488		0.0546	
Total TIC, Semi-Volatile	NC	NC	NC	0.29	5.81	J	0		0.3	J
Total Alkanes	NC	NC	NC	0.92	0.44	J	0.57	J	0.38	J

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Liberty Stone I-78 Soil 12	Liberty Stone I-78 Soil 13	Liberty Stone I-78 Soil 14	Liberty Stone I-78 Soil 15
LAB ID:				JB18892-12A	JB18892-13A	JB18892-14A	JB18892-15A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	ND (0.0037)	ND (0.0036)	ND (0.0035)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0097)	ND (0.0098)	ND (0.0096)	ND (0.0092)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.032)	ND (0.033)	ND (0.032)	ND (0.031)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.035)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.028)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.051)	ND (0.051)	ND (0.050)	ND (0.048)
2,4-Dimethylphenol	NC	NC	NC	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.051)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.038)	ND (0.039)	ND (0.038)	ND (0.037)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
2-Chloronaphthalene	NC	NC	NC	ND (0.0098)	ND (0.0098)	ND (0.0097)	ND (0.0093)
2-Chlorophenol	NC	1,000	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.030)
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.017)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.036)	ND (0.036)	ND (0.036)	ND (0.034)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)
2-Nitrophenol	NC	NC	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.032)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.038)
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0080)	ND (0.0081)	ND (0.0079)	ND (0.0077)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.012)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.038)	ND (0.039)	ND (0.038)	ND (0.037)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.031)	ND (0.030)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0096)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0095)	ND (0.0096)	ND (0.0094)	ND (0.0091)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)
Acenaphthene	98	NC	20	ND (0.0091)	ND (0.0092)	ND (0.0091)	ND (0.0087)
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0096)
Acetophenone	NC	NC	NC	ND (0.0055)	ND (0.0056)	ND (0.0055)	ND (0.0053)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Atrazine	NC	NC	NC	ND (0.0062)	ND (0.0063)	ND (0.0062)	ND (0.0059)
Benzaldehyde	NC	NC	NC	ND (0.0072)	ND (0.0073)	ND (0.0072)	ND (0.0069)
Benzo[a]anthracene	1	NC	1	0.0188 J	ND (0.010)	0.019 J	ND (0.0098)
Benzo[a]pyrene	1	NC	1	0.0155 J	ND (0.0097)	0.0164 J	ND (0.0092)
Benzo[b]fluoranthene	1.7	NC	1	0.0194 J	ND (0.011)	0.0193 J	ND (0.010)
Benzo[g,h,i]perylene	500	NC	100	0.0176 J	ND (0.012)	0.0168 J	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0095)	ND (0.0096)	ND (0.0094)	ND (0.0091)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0094)	ND (0.0094)	ND (0.0093)	ND (0.0089)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.027)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.017)
Caprolactam	NC	NC	NC	ND (0.0099)	ND (0.010)	ND (0.0098)	ND (0.0095)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.014)
Chrysene	1	NC	1	0.0168 J	ND (0.011)	0.0164 J	ND (0.010)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Dibenzofuran	NC	NC	NC	ND (0.0094)	ND (0.0094)	ND (0.0093)	ND (0.0089)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Dimethyl phthalate	NC	1,000	NC	0.0569 J	0.0388 J	0.0389 J	0.0399 J
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0070)	ND (0.0071)	ND (0.0069)	ND (0.0067)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Fluoranthene	500	NC	100	0.0241 J	ND (0.014)	0.032	0.019 J
Fluorene	386	NC	30	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0099)
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0098)
Hexachlorobutadiene	NC	NC	NC	ND (0.0088)	ND (0.0088)	ND (0.0087)	ND (0.0084)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.031)
Hexachloroethane	NC	NC	NC	ND (0.0088)	ND (0.0088)	ND (0.0087)	ND (0.0084)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Isophorone	NC	1,000	NC	ND (0.0085)	ND (0.0085)	ND (0.0084)	ND (0.0081)
Naphthalene	12	NC	12	ND (0.0086)	ND (0.0087)	ND (0.0085)	ND (0.0082)
Nitrobenzene	NC	140	NC	ND (0.0091)	ND (0.0092)	ND (0.0090)	ND (0.0087)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0077)	ND (0.0077)	ND (0.0076)	ND (0.0073)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.018)
Pentachlorophenol	0.8	NC	0.8	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.052)
Phenanthrene	500	NC	100	0.0152 J	ND (0.014)	0.022 J	ND (0.014)
Phenol	0.33	NC	0.33	ND (0.033)	ND (0.033)	ND (0.033)	ND (0.032)
Pyrene	500	NC	100	0.0334	0.0176 J	0.0361	0.0278 J
Total TIC, Semi-Volatile	NC	NC	NC	0.67 J	0	0.14 J	0
Total Alkanes	NC	NC	NC	0.33 J	0	0	0.14 J

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Liberty Stone I-78 Soil 16	Liberty Stone I-78 Soil 17	Liberty Stone I-78 Soil 18	Liberty Stone I-78 Soil 19
LAB ID:				JB18892-16A	JB18892-17A	JB18892-18A	JB18892-19A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0036)	ND (0.0036)	ND (0.0039)	ND (0.0039)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0096)	ND (0.0096)	ND (0.010)	ND (0.010)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.035)	ND (0.035)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.036)	ND (0.036)	ND (0.039)	ND (0.039)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.029)	ND (0.029)	ND (0.032)	ND (0.031)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.050)	ND (0.050)	ND (0.054)	ND (0.054)
2,4-Dimethylphenol	NC	NC	NC	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.056)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.041)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.015)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	ND (0.0097)	ND (0.0097)	ND (0.010)	ND (0.010)
2-Chlorophenol	NC	1,000	NC	ND (0.032)	ND (0.032)	ND (0.034)	ND (0.034)
2-Methylnaphthalene	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.019)	ND (0.019)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.036)	ND (0.036)	ND (0.038)	ND (0.038)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.015)
2-Nitrophenol	NC	NC	NC	ND (0.033)	ND (0.033)	ND (0.036)	ND (0.036)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.040)	ND (0.043)	ND (0.043)
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0080)	ND (0.0080)	ND (0.0085)	ND (0.0085)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.041)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.031)	ND (0.031)	ND (0.034)	ND (0.034)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0094)	ND (0.0094)	ND (0.010)	ND (0.010)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.057)
Acenaphthene	98	NC	20	ND (0.0091)	ND (0.0091)	0.0853	ND (0.0097)
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.010)	0.0288	0.0263
Acetophenone	NC	NC	NC	ND (0.0055)	ND (0.0055)	ND (0.0059)	ND (0.0059)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	0.0126	0.0137	0.255	0.0487
Atrazine	NC	NC	NC	ND (0.0062)	ND (0.0062)	ND (0.0066)	ND (0.0066)
Benzaldehyde	NC	NC	NC	ND (0.0072)	ND (0.0072)	ND (0.0077)	ND (0.0077)
Benzo[a]anthracene	1	NC	1	0.0439	0.0322	0.58	0.234
Benzo[a]pyrene	1	NC	1	0.0464	0.0349	0.507	0.33
Benzo[b]fluoranthene	1.7	NC	1	0.0583	0.0388	0.603	0.471
Benzo[g,h,i]perylene	500	NC	100	0.0439	0.0291	0.305	0.228
Benzo[k]fluoranthene	1.7	NC	0.8	0.0218	0.0157	0.274	0.0909
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.014)	ND (0.014)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0094)	ND (0.0094)	ND (0.010)	ND (0.010)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0093)	ND (0.0093)	ND (0.010)	ND (0.010)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	0.0363	0.0475	0.0929
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.018)	ND (0.019)	ND (0.019)
Caprolactam	NC	NC	NC	ND (0.0099)	ND (0.0099)	ND (0.011)	ND (0.011)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.015)	0.12	0.0301
Chrysene	1	NC	1	0.0563	0.0408	0.588	0.317
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.011)	ND (0.011)	0.0932	0.0692
Dibenzofuran	NC	NC	NC	ND (0.0093)	ND (0.0093)	0.0516	ND (0.010)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.012)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0070)	ND (0.0070)	0.0419	ND (0.0074)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.016)
Fluoranthene	500	NC	100	0.0781	0.0572	1.08	0.353
Fluorene	386	NC	30	ND (0.010)	ND (0.010)	0.104	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0087)	ND (0.0087)	ND (0.0094)	ND (0.0093)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.034)	ND (0.034)
Hexachloroethane	NC	NC	NC	ND (0.0087)	ND (0.0087)	ND (0.0094)	ND (0.0093)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.0249	0.0186	0.263	0.203
Isophorone	NC	1,000	NC	ND (0.0084)	ND (0.0084)	ND (0.0091)	ND (0.0090)
Naphthalene	12	NC	12	ND (0.0086)	ND (0.0086)	ND (0.0092)	ND (0.0091)
Nitrobenzene	NC	140	NC	ND (0.0091)	ND (0.0091)	ND (0.0097)	ND (0.0097)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0076)	ND (0.0076)	ND (0.0082)	ND (0.0082)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.020)
Pentachlorophenol	0.8	NC	0.8	ND (0.054)	ND (0.054)	ND (0.058)	ND (0.057)
Phenanthrene	500	NC	100	0.0424	0.0437	1.09	0.189
Phenol	0.33	NC	0.33	ND (0.033)	ND (0.033)	ND (0.035)	ND (0.035)
Pyrene	500	NC	100	0.112	0.0824	1.09	0.488
Total TIC, Semi-Volatile	NC	NC	NC	0.34	0.88	3	3.67
Total Alkanes	NC	NC	NC	0	0.32	0	0

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Natures Choice I-78 Soil 1	Natures Choice I-78 Soil 2	Natures Choice I-78 Soil 3	Natures Choice I-78 Soil 4
LAB ID:				JB19432-1A	JB19432-2A	JB19432-3A	JB19432-4A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	ND (0.0041)	ND (0.0042)	ND (0.0043)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.036)	ND (0.038)	ND (0.038)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.041)	ND (0.042)	ND (0.043)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.033)	ND (0.034)	ND (0.034)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.051)	ND (0.057)	ND (0.059)	ND (0.059)
2,4-Dimethylphenol	NC	NC	NC	ND (0.053)	ND (0.059)	ND (0.061)	ND (0.062)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.039)	ND (0.043)	ND (0.044)	ND (0.045)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.015)	ND (0.016)	ND (0.016)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.014)	ND (0.014)
2-Chloronaphthalene	NC	NC	NC	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)
2-Chlorophenol	NC	1,000	NC	ND (0.032)	ND (0.036)	ND (0.037)	ND (0.037)
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.020)	ND (0.020)	ND (0.020)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.036)	ND (0.040)	ND (0.042)	ND (0.042)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.016)	ND (0.016)
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.037)	ND (0.039)	ND (0.039)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.045)	ND (0.046)	ND (0.047)
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0081)	ND (0.0090)	ND (0.0093)	ND (0.0093)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.015)	ND (0.015)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.039)	ND (0.043)	ND (0.044)	ND (0.045)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.013)	ND (0.013)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.035)	ND (0.036)	ND (0.037)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.012)	ND (0.012)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.011)	ND (0.011)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.014)	ND (0.014)
4-Nitrophenol	NC	NC	NC	ND (0.054)	ND (0.060)	ND (0.062)	ND (0.062)
Acenaphthene	98	NC	20	ND (0.0092)	ND (0.010)	ND (0.011)	0.0595
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.011)	ND (0.012)	0.0341
Acetophenone	NC	NC	NC	ND (0.0056)	ND (0.0062)	ND (0.0064)	ND (0.0065)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.013)	0.231
Atrazine	NC	NC	NC	ND (0.0063)	ND (0.0070)	ND (0.0072)	ND (0.0072)
Benzaldehyde	NC	NC	NC	ND (0.0073)	ND (0.0081)	ND (0.0084)	ND (0.0084)
Benzo[a]anthracene	1	NC	1	ND (0.010)	0.023	J 0.0334	J 0.313
Benzo[a]pyrene	1	NC	1	ND (0.0097)	0.0231	J 0.0333	J 0.268
Benzo[b]fluoranthene	1.7	NC	1	ND (0.011)	0.0191	J 0.033	J 0.211
Benzo[g,h,i]perylene	500	NC	100	ND (0.012)	0.0193	J 0.0194	J 0.158
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	0.0173	J 0.0244	J 0.172
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.015)	ND (0.015)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.011)	ND (0.011)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0094)	ND (0.010)	ND (0.011)	ND (0.011)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	ND (0.031)	ND (0.032)	ND (0.032)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.020)	ND (0.021)	ND (0.021)
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.012)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.017)	0.0196
Chrysene	1	NC	1	ND (0.011)	0.0291	J 0.0365	0.317
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.011)	ND (0.012)	ND (0.012)	0.0716
Dibenzofuran	NC	NC	NC	ND (0.0094)	ND (0.010)	ND (0.011)	0.0319
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.013)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	0.0578	J 0.0559
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0071)	ND (0.0078)	ND (0.0081)	ND (0.0081)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.017)	ND (0.018)	ND (0.018)
Fluoranthene	500	NC	100	ND (0.014)	0.0333	J 0.0519	0.683
Fluorene	386	NC	30	ND (0.010)	ND (0.012)	ND (0.012)	0.0899
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.012)	ND (0.012)	ND (0.012)
Hexachlorobutadiene	NC	NC	NC	ND (0.0088)	ND (0.0098)	ND (0.010)	ND (0.010)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.032)	ND (0.036)	ND (0.037)	ND (0.037)
Hexachloroethane	NC	NC	NC	ND (0.0088)	ND (0.0098)	ND (0.010)	ND (0.010)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.011)	0.0146	J 0.0188	J 0.137
Isophorone	NC	1,000	NC	ND (0.0085)	ND (0.0095)	ND (0.0098)	ND (0.0099)
Naphthalene	12	NC	12	ND (0.0087)	ND (0.0096)	ND (0.010)	ND (0.010)
Nitrobenzene	NC	140	NC	ND (0.0092)	ND (0.010)	ND (0.011)	ND (0.011)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0078)	ND (0.0086)	ND (0.0089)	ND (0.0089)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.021)	ND (0.022)	ND (0.022)
Pentachlorophenol	0.8	NC	0.8	ND (0.054)	ND (0.060)	ND (0.062)	ND (0.063)
Phenanthrene	500	NC	100	ND (0.014)	0.0187	J 0.0178	J 0.658
Phenol	0.33	NC	0.33	ND (0.033)	ND (0.037)	ND (0.038)	ND (0.039)
Pyrene	500	NC	100	ND (0.012)	0.0419	0.0643	0.803
Total TIC, Semi-Volatile	NC	NC	NC	0	0.2	J 0	1.86
Total Alkanes	NC	NC	NC	0	0	0	0

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Natures Choice I-78 Soil 5	Natures Choice I-78 Soil 6	Natures Choice I-78 Soil 7	Natures Choice I-78 Soil 8
LAB ID:				JB19432-5A	JB19432-6A	JB19432-7A	JB19432-8A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0035)	ND (0.0082)	ND (0.0040)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.0092)	ND (0.022)	ND (0.010)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.036)	ND (0.031)	ND (0.073)	ND (0.035)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.035)	ND (0.082)	ND (0.040)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.033)	ND (0.028)	ND (0.066)	ND (0.032)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.056)	ND (0.048)	ND (0.11)	ND (0.055)
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.050)	ND (0.12)	ND (0.057)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.037)	ND (0.086)	ND (0.042)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.013)	ND (0.031)	ND (0.015)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.011)	ND (0.027)	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.0093)	ND (0.022)	ND (0.011)
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.030)	ND (0.071)	ND (0.035)
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.017)	ND (0.039)	ND (0.019)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.034)	ND (0.081)	ND (0.039)
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.013)	ND (0.031)	ND (0.015)
2-Nitrophenol	NC	NC	NC	ND (0.037)	ND (0.032)	ND (0.075)	ND (0.036)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.044)	ND (0.038)	ND (0.090)	ND (0.043)
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0088)	ND (0.0076)	ND (0.018)	ND (0.0087)
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.012)	ND (0.028)	ND (0.014)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.037)	ND (0.086)	ND (0.042)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.011)	ND (0.026)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.035)	ND (0.030)	ND (0.071)	ND (0.034)
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.0096)	ND (0.023)	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.0090)	ND (0.021)	ND (0.010)
4-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.012)	ND (0.028)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.059)	ND (0.051)	ND (0.12)	ND (0.058)
Acenaphthene	98	NC	20	ND (0.010)	ND (0.0087)	ND (0.020)	ND (0.0099)
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.0096)	0.0342 J	ND (0.011)
Acetophenone	NC	NC	NC	ND (0.0061)	ND (0.0053)	ND (0.012)	ND (0.0060)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.012)	ND (0.011)	0.0612 J	0.0448
Atrazine	NC	NC	NC	ND (0.0068)	ND (0.0059)	ND (0.014)	ND (0.0067)
Benzaldehyde	NC	NC	NC	ND (0.0080)	ND (0.0069)	ND (0.016)	ND (0.0079)
Benzo[a]anthracene	1	NC	1	0.0342 J	0.0127 J	0.157	0.0843
Benzo[a]pyrene	1	NC	1	0.0271 J	0.0129 J	0.169	0.0714
Benzo[b]fluoranthene	1.7	NC	1	0.0282 J	ND (0.010)	0.181	0.063
Benzo[g,h,i]perylene	500	NC	100	0.0208 J	ND (0.011)	0.0977	0.0559
Benzo[k]fluoranthene	1.7	NC	0.8	0.0216 J	0.0141 J	0.101	0.0692
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.012)	ND (0.029)	ND (0.014)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.0090)	ND (0.021)	ND (0.010)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.0089)	ND (0.021)	ND (0.010)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.031)	ND (0.027)	ND (0.062)	0.155
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.017)	ND (0.041)	0.397
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.0095)	ND (0.022)	ND (0.011)
Carbazole	NC	NC	NC	ND (0.016)	ND (0.014)	ND (0.033)	ND (0.016)
Chrysene	1	NC	1	0.0392	0.0122 J	0.199	0.0937
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.012)	ND (0.010)	ND (0.024)	ND (0.012)
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.0089)	ND (0.021)	ND (0.010)
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.010)	ND (0.024)	ND (0.012)
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	0.0552 J	ND (0.025)	0.0475 J J
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0077)	ND (0.0067)	ND (0.016)	ND (0.0076)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.015)	ND (0.034)	ND (0.017)
Fluoranthene	500	NC	100	0.0506	0.0178 J	0.375	0.18
Fluorene	386	NC	30	ND (0.011)	ND (0.0099)	ND (0.023)	0.0136 J
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.0098)	ND (0.023)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0096)	ND (0.0084)	ND (0.020)	ND (0.0095)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.031)	ND (0.072)	ND (0.035)
Hexachloroethane	NC	NC	NC	ND (0.0096)	ND (0.0084)	ND (0.020)	ND (0.0095)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.019 J	ND (0.010)	0.0856	0.0474
Isophorone	NC	1,000	NC	ND (0.0093)	ND (0.0081)	ND (0.019)	ND (0.0092)
Naphthalene	12	NC	12	ND (0.0095)	ND (0.0082)	ND (0.019)	ND (0.0093)
Nitrobenzene	NC	140	NC	ND (0.010)	ND (0.0087)	ND (0.020)	ND (0.0099)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0085)	ND (0.0073)	ND (0.017)	ND (0.0083)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.021)	ND (0.018)	ND (0.042)	ND (0.020)
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.051)	ND (0.12)	ND (0.058)
Phenanthrene	500	NC	100	0.0243 J	ND (0.014)	0.146	0.156
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.032)	ND (0.074)	ND (0.036)
Pyrene	500	NC	100	0.0668	0.0235 J	0.625	0.199
Total TIC, Semi-Volatile	NC	NC	NC	0	0	0	0.33 J
Total Alkanes	NC	NC	NC	0	0	0	0

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Natures Choice I-78 Soil 9	Natures Choice I-78 Soil 10	Natures Choice I-78 Soil 11	Natures Choice I-78 Soil 12
LAB ID:				JB19432-9A	JB19432-10A	JB19432-11A	JB19432-12A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	ND (0.0039)	ND (0.0036)	ND (0.0039)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0099)	ND (0.010)	ND (0.0096)	ND (0.010)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.035)	ND (0.032)	ND (0.034)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.039)	ND (0.036)	ND (0.039)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.032)	ND (0.029)	ND (0.031)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.052)	ND (0.055)	ND (0.050)	ND (0.054)
2,4-Dimethylphenol	NC	NC	NC	ND (0.054)	ND (0.057)	ND (0.053)	ND (0.056)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.039)	ND (0.041)	ND (0.038)	ND (0.041)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.015)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.0097)	ND (0.010)
2-Chlorophenol	NC	1,000	NC	ND (0.033)	ND (0.034)	ND (0.032)	ND (0.034)
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.019)	ND (0.017)	ND (0.019)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.037)	ND (0.039)	ND (0.036)	ND (0.039)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.015)
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.036)	ND (0.033)	ND (0.035)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.041)	ND (0.043)	ND (0.040)	ND (0.042)
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0082)	ND (0.0086)	ND (0.0079)	ND (0.0085)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.039)	ND (0.041)	ND (0.038)	ND (0.041)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.034)	ND (0.031)	ND (0.033)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0097)	ND (0.010)	ND (0.0094)	ND (0.010)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.054)	ND (0.057)	ND (0.053)	ND (0.056)
Acenaphthene	98	NC	20	ND (0.0093)	ND (0.0098)	ND (0.0091)	ND (0.0097)
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.011)	ND (0.010)	0.016 J
Acetophenone	NC	NC	NC	ND (0.0057)	ND (0.0060)	ND (0.0055)	ND (0.0059)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	0.0283 J
Atrazine	NC	NC	NC	ND (0.0063)	ND (0.0067)	ND (0.0062)	ND (0.0066)
Benzaldehyde	NC	NC	NC	ND (0.0074)	ND (0.0078)	ND (0.0072)	ND (0.0077)
Benzo[a]anthracene	1	NC	1	0.0259 J	0.0224 J	0.0244 J	0.0742 J
Benzo[a]pyrene	1	NC	1	0.0228 J	0.0216 J	0.022 J	0.0785 J
Benzo[b]fluoranthene	1.7	NC	1	0.0285 J	0.0269 J	0.0173 J	0.0652 J
Benzo[g,h,i]perylene	500	NC	100	0.0245 J	0.0214 J	0.0199 J	0.0687 J
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	0.014 J	0.0205 J	0.0508 J
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0097)	ND (0.010)	ND (0.0094)	ND (0.010)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0096)	ND (0.010)	ND (0.0093)	ND (0.0099)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	ND (0.030)	ND (0.028)	ND (0.029)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.019)	ND (0.020)	ND (0.018)	ND (0.019)
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.0098)	ND (0.010)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.014)	ND (0.015)
Chrysene	1	NC	1	0.0234 J	0.0235 J	0.0217 J	0.0863 J
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Dibenzofuran	NC	NC	NC	ND (0.0096)	ND (0.010)	ND (0.0093)	ND (0.0099)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	0.0389 J	0.052 J	0.041 J
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0072)	ND (0.0075)	ND (0.0069)	ND (0.0074)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.016)	ND (0.017)	ND (0.015)	ND (0.016)
Fluoranthene	500	NC	100	0.0397 J	0.0329 J	0.033 J	0.108 J
Fluorene	386	NC	30	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0090)	ND (0.0094)	ND (0.0087)	ND (0.0093)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.033)	ND (0.035)	ND (0.032)	ND (0.034)
Hexachloroethane	NC	NC	NC	ND (0.0090)	ND (0.0094)	ND (0.0087)	ND (0.0093)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.0196 J	0.019 J	0.017 J	0.052 J
Isophorone	NC	1,000	NC	ND (0.0087)	ND (0.0091)	ND (0.0084)	ND (0.0090)
Naphthalene	12	NC	12	ND (0.0088)	ND (0.0093)	ND (0.0085)	ND (0.0091)
Nitrobenzene	NC	140	NC	ND (0.0093)	ND (0.0098)	ND (0.0090)	ND (0.0096)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0079)	ND (0.0083)	ND (0.0076)	ND (0.0081)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.020)	ND (0.019)	ND (0.020)
Pentachlorophenol	0.8	NC	0.8	ND (0.055)	ND (0.058)	ND (0.053)	ND (0.057)
Phenanthrene	500	NC	100	0.019 J	0.0174 J	0.0142 J	0.0678 J
Phenol	0.33	NC	0.33	ND (0.034)	ND (0.036)	ND (0.033)	ND (0.035)
Pyrene	500	NC	100	0.0416 J	0.049 J	0.0436 J	0.159 J
Total TIC, Semi-Volatile	NC	NC	NC	0.63 J	0.36 J	0 J	2.99 J
Total Alkanes	NC	NC	NC	0	0	0	0.15 J

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Natures Choice I-78 Soil 13	Natures Choice I-78 Soil 14	Natures Choice I-78 Soil 15	Natures Choice I-78 Soil 16
LAB ID:				JB19432-13A	JB19432-14A	JB19432-15A	JB19432-16A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0036)	ND (0.0041)	ND (0.0037)	ND (0.0040)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0095)	ND (0.011)	ND (0.0098)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.032)	ND (0.036)	ND (0.033)	ND (0.036)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.036)	ND (0.041)	ND (0.037)	ND (0.040)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.029)	ND (0.033)	ND (0.030)	ND (0.033)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.050)	ND (0.057)	ND (0.052)	ND (0.056)
2,4-Dimethylphenol	NC	NC	NC	ND (0.052)	ND (0.059)	ND (0.054)	ND (0.058)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.038)	ND (0.043)	ND (0.039)	ND (0.042)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.015)	ND (0.014)	ND (0.015)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.0099)	ND (0.011)
2-Chlorophenol	NC	1,000	NC	ND (0.031)	ND (0.036)	ND (0.032)	ND (0.035)
2-Methylnaphthalene	NC	NC	NC	ND (0.017)	ND (0.020)	ND (0.018)	ND (0.019)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.035)	ND (0.040)	ND (0.037)	ND (0.040)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.015)
2-Nitrophenol	NC	NC	NC	ND (0.033)	ND (0.037)	ND (0.034)	ND (0.037)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.045)	ND (0.041)	ND (0.044)
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0078)	ND (0.0089)	ND (0.0081)	ND (0.0088)
3-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.014)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.038)	ND (0.043)	ND (0.039)	ND (0.042)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.013)	ND (0.012)	ND (0.013)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.031)	ND (0.035)	ND (0.032)	ND (0.035)
4-Chloroaniline	NC	1,000	NC	ND (0.0099)	ND (0.011)	ND (0.010)	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0093)	ND (0.011)	ND (0.0097)	ND (0.010)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.014)
4-Nitrophenol	NC	NC	NC	ND (0.052)	ND (0.060)	ND (0.054)	ND (0.059)
Acenaphthene	98	NC	20	ND (0.0090)	ND (0.010)	ND (0.0093)	ND (0.010)
Acenaphthylene	107	NC	100	0.0636	ND (0.011)	0.0249	0.0458
Acetophenone	NC	NC	NC	ND (0.0054)	ND (0.0062)	ND (0.0056)	ND (0.0061)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	0.088	ND (0.012)	0.0404	0.0322
Atrazine	NC	NC	NC	ND (0.0061)	ND (0.0069)	ND (0.0063)	ND (0.0068)
Benzaldehyde	NC	NC	NC	ND (0.0071)	ND (0.0081)	ND (0.0074)	ND (0.0080)
Benzo[a]anthracene	1	NC	1	0.215	0.0235	J 0.139	0.0952
Benzo[a]pyrene	1	NC	1	0.195	0.0201	J 0.108	0.0992
Benzo[b]fluoranthene	1.7	NC	1	0.16	0.0195	J 0.103	0.0672
Benzo[g,h,i]perylene	500	NC	100	0.166	0.0147	J 0.0727	0.0723
Benzo[k]fluoranthene	1.7	NC	0.8	0.132	0.0134	J 0.093	0.0568
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.014)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0093)	ND (0.011)	ND (0.0097)	ND (0.010)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0092)	ND (0.010)	ND (0.0095)	ND (0.010)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.027)	ND (0.031)	ND (0.028)	ND (0.031)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.020)	ND (0.019)	ND (0.020)
Caprolactam	NC	NC	NC	ND (0.0097)	ND (0.011)	ND (0.010)	ND (0.011)
Carbazole	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.015)	ND (0.016)
Chrysene	1	NC	1	0.215	0.018	J 0.151	0.0984
Dibenz[a,h]anthracene	0.56	NC	0.33	0.0411	ND (0.012)	0.0195	J 0.0217
Dibenzofuran	NC	NC	NC	ND (0.0092)	ND (0.010)	ND (0.0095)	ND (0.010)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Dimethyl phthalate	NC	1,000	NC	0.0852	0.0377	J 0.0355	J 0.0212
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0069)	ND (0.0078)	ND (0.0071)	ND (0.0077)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.017)
Fluoranthene	500	NC	100	0.35	0.0353	0.231	0.152
Fluorene	386	NC	30	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0086)	ND (0.0098)	ND (0.0089)	ND (0.0097)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.031)	ND (0.036)	ND (0.033)	ND (0.035)
Hexachloroethane	NC	NC	NC	ND (0.0086)	ND (0.0098)	ND (0.0089)	ND (0.0097)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.117	ND (0.012)	0.0664	0.057
Isophorone	NC	1,000	NC	ND (0.0083)	ND (0.0095)	ND (0.0086)	ND (0.0093)
Naphthalene	12	NC	12	ND (0.0084)	ND (0.0096)	ND (0.0088)	ND (0.0095)
Nitrobenzene	NC	140	NC	ND (0.0089)	ND (0.010)	ND (0.0093)	ND (0.010)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0075)	ND (0.0086)	ND (0.0078)	ND (0.0085)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.018)	ND (0.021)	ND (0.019)	ND (0.021)
Pentachlorophenol	0.8	NC	0.8	ND (0.053)	ND (0.060)	ND (0.055)	ND (0.059)
Phenanthrene	500	NC	100	0.22	ND (0.016)	0.138	0.0655
Phenol	0.33	NC	0.33	ND (0.032)	ND (0.037)	ND (0.034)	ND (0.036)
Pyrene	500	NC	100	0.466	0.0431	0.284	0.208
Total TIC, Semi-Volatile	NC	NC	NC	0.3	J 0.16	J 0.28	J 0.44
Total Alkanes	NC	NC	NC	0	0	0.18	J 0

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Natures Choice I-78 Soil 17	Natures Choice I-78 Soil 18	Natures Choice I-78 Soil 19	Natures Choice I-78 Soil 20		
LAB ID:				JB19432-17A	JB19432-18A	JB19432-19A	JB19432-20A		
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12		
SAMPLE MATRIX:				Soil	Soil	Soil	Soil		
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg		
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result		
1,1'-Biphenyl	NC	NC	NC	ND (0.0039)	ND (0.0039)	ND (0.0038)	ND (0.0040)		
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.011)		
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.034)	ND (0.035)		
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.040)		
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.032)		
2,4-Dichlorophenol	NC	1,000	NC	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.055)		
2,4-Dimethylphenol	NC	NC	NC	ND (0.056)	ND (0.057)	ND (0.055)	ND (0.058)		
2,4-Dinitrophenol	NC	1,000	NC	ND (0.041)	ND (0.041)	ND (0.040)	ND (0.042)		
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.015)		
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.013)		
2-Chloronaphthalene	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.011)		
2-Chlorophenol	NC	1,000	NC	ND (0.034)	ND (0.034)	ND (0.033)	ND (0.035)		
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.019)		
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.038)	ND (0.039)	ND (0.037)	ND (0.039)		
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.015)		
2-Nitrophenol	NC	NC	NC	ND (0.036)	ND (0.036)	ND (0.035)	ND (0.036)		
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.043)	ND (0.043)	ND (0.042)	ND (0.044)		
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.0085)	ND (0.0086)	ND (0.0083)	ND (0.0087)		
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)		
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.041)	ND (0.041)	ND (0.040)	ND (0.042)		
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)		
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.034)	ND (0.034)	ND (0.033)	ND (0.034)		
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)		
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0098)	ND (0.010)		
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)		
4-Nitrophenol	NC	NC	NC	ND (0.057)	ND (0.057)	ND (0.055)	ND (0.058)		
Acenaphthene	98	NC	20	ND (0.0097)	ND (0.0098)	ND (0.0095)	ND (0.010)		
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)		
Acetophenone	NC	NC	NC	ND (0.0059)	ND (0.0060)	ND (0.0058)	ND (0.0060)		
Aniline	NC	1,000	NC	NA	NA	NA	NA		
Anthracene	500	NC	100	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.012)		
Atrazine	NC	NC	NC	ND (0.0066)	ND (0.0067)	ND (0.0064)	ND (0.0068)		
Benzaldehyde	NC	NC	NC	ND (0.0077)	ND (0.0078)	ND (0.0075)	ND (0.0079)		
Benzo[a]anthracene	1	NC	1	0.0264	J 0.04	0.0353	0.019	J	
Benzo[a]pyrene	1	NC	1	0.0208	J 0.0429	0.0299	J	ND (0.010)	
Benzo[b]fluoranthene	1.7	NC	1	0.022	J 0.0373	0.0346	ND (0.011)		
Benzo[g,h,i]perylene	500	NC	100	0.0168	J 0.0403	0.0238	J	ND (0.013)	
Benzo[k]fluoranthene	1.7	NC	0.8	0.019	J 0.0471	0.021	J	ND (0.013)	
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA		
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.014)		
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0098)	ND (0.010)		
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0097)	ND (0.010)		
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.030)		
Butyl benzyl phthalate	NC	1,000	NC	ND (0.019)	ND (0.020)	ND (0.019)	ND (0.020)		
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)		
Carbazole	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)		
Chrysene	1	NC	1	0.027	J 0.048	0.0363	0.0159	J	
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)		
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0097)	ND (0.010)		
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)		
Dimethyl phthalate	NC	1,000	NC	0.0537	J 0.0799	0.0626	J	0.0721	
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0074)	ND (0.0075)	ND (0.0073)	ND (0.0076)		
Di-n-octyl phthalate	NC	1,000	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.017)		
Fluoranthene	500	NC	100	0.0363	0.0548	0.0593	0.0201	J	
Fluorene	386	NC	30	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)		
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)		
Hexachlorobutadiene	NC	NC	NC	ND (0.0093)	ND (0.0094)	ND (0.0091)	ND (0.0096)		
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.034)	ND (0.034)	ND (0.033)	ND (0.035)		
Hexachloroethane	NC	NC	NC	ND (0.0093)	ND (0.0094)	ND (0.0091)	ND (0.0096)		
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.0142	J 0.0331	J 0.0173	J	ND (0.012)	
Isophorone	NC	1,000	NC	ND (0.0090)	ND (0.0091)	ND (0.0088)	ND (0.0092)		
Naphthalene	12	NC	12	ND (0.0091)	ND (0.0092)	ND (0.0089)	ND (0.0094)		
Nitrobenzene	NC	140	NC	ND (0.0097)	ND (0.0098)	ND (0.0095)	ND (0.0099)		
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0082)	ND (0.0083)	ND (0.0080)	ND (0.0084)		
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)		
Pentachlorophenol	0.8	NC	0.8	ND (0.057)	ND (0.058)	ND (0.056)	ND (0.059)		
Phenanthrene	500	NC	100	ND (0.015)	ND (0.015)	0.0198	J	0.017	J
Phenol	0.33	NC	0.33	ND (0.035)	ND (0.036)	ND (0.034)	ND (0.036)		
Pyrene	500	NC	100	0.0484	0.0712	0.0665	0.0266	J	
Total TIC, Semi-Volatile	NC	NC	NC	0	2.4	J 0	0		
Total Alkanes	NC	NC	NC	0	0.16	J 0	0		

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Natures Choice I-78 Soil 21	Natures Choice I-78 Soil 22	Turnpike Basin 8C IS-1	Turnpike Basin 8C IS-2
LAB ID:				JB19432-21A	JB19432-22A	09383-024	09383-023
COLLECTION DATE:				10/16/12	10/16/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0042)	ND (0.0041)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.037)	ND (0.036)	ND (0.016)	ND (0.016)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.042)	ND (0.041)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.034)	ND (0.033)	ND (0.012)	ND (0.012)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.058)	ND (0.056)	ND (0.036)	ND (0.036)
2,4-Dimethylphenol	NC	NC	NC	ND (0.061)	ND (0.059)	ND (0.028)	ND (0.029)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.044)	ND (0.043)	ND (0.014)	ND (0.014)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.032)	ND (0.032)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.021)	ND (0.021)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.034)	ND (0.035)
2-Chlorophenol	NC	1,000	NC	ND (0.037)	ND (0.035)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.020)	ND (0.019)	ND (0.030)	ND (0.031)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.041)	ND (0.040)	ND (0.029)	ND (0.030)
2-Nitroaniline	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.022)	ND (0.022)
2-Nitrophenol	NC	NC	NC	ND (0.038)	ND (0.037)	ND (0.027)	ND (0.027)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.046)	ND (0.044)	NA	NA
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0092)	ND (0.0089)	ND (0.025)	ND (0.026)
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.044)	ND (0.043)	ND (0.021)	ND (0.021)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.021)	ND (0.021)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.036)	ND (0.035)	ND (0.032)	ND (0.033)
4-Chloroaniline	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.034)	ND (0.035)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.017)	ND (0.017)
4-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.023)	ND (0.024)
4-Nitrophenol	NC	NC	NC	ND (0.061)	ND (0.059)	ND (0.027)	ND (0.027)
Acenaphthene	98	NC	20	ND (0.010)	ND (0.010)	ND (0.029)	ND (0.030)
Acenaphthylene	107	NC	100	ND (0.012)	ND (0.011)	ND (0.025)	ND (0.026)
Acetophenone	NC	NC	NC	ND (0.0064)	ND (0.0061)	ND (0.012)	ND (0.013)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.013)	ND (0.012)	ND (0.035)	ND (0.036)
Atrazine	NC	NC	NC	ND (0.0071)	ND (0.0069)	ND (0.025)	ND (0.026)
Benzaldehyde	NC	NC	NC	ND (0.0083)	ND (0.0080)	ND (0.014)	ND (0.014)
Benzo[a]anthracene	1	NC	1	0.0302	J 0.0156	J ND (0.035)	ND (0.036)
Benzo[a]pyrene	1	NC	1	0.0243	J ND (0.011)	ND (0.020)	ND (0.020)
Benzo[b]fluoranthene	1.7	NC	1	0.0221	J ND (0.012)	ND (0.019)	ND (0.019)
Benzo[g,h,i]perylene	500	NC	100	0.0163	J ND (0.013)	ND (0.012)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	0.0166	J ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.030)	ND (0.031)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.025)	ND (0.026)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.032)	ND (0.031)	ND (0.017)	ND (0.018)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.021)	ND (0.020)	ND (0.023)	ND (0.024)
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.023)	ND (0.024)
Carbazole	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.021)	ND (0.021)
Chrysene	1	NC	1	0.0287	J 0.0134	J ND (0.024)	ND (0.025)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.012)	ND (0.012)	ND (0.022)	ND (0.022)
Dibenzofuran	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.027)	ND (0.027)
Dimethyl phthalate	NC	1,000	NC	0.0372	JB ND (0.012)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0080)	ND (0.0078)	ND (0.026)	ND (0.026)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.017)	ND (0.014)	ND (0.015)
Fluoranthene	500	NC	100	0.0421	0.0182	J ND (0.014)	ND (0.015)
Fluorene	386	NC	30	ND (0.012)	ND (0.011)	ND (0.020)	ND (0.020)
Hexachlorobenzene	3.2	NC	NC	ND (0.012)	ND (0.011)	ND (0.026)	ND (0.026)
Hexachlorobutadiene	NC	NC	NC	ND (0.010)	ND (0.0097)	ND (0.035)	ND (0.036)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.037)	ND (0.036)	ND (0.012)	ND (0.012)
Hexachloroethane	NC	NC	NC	ND (0.010)	ND (0.0097)	ND (0.014)	ND (0.014)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.013)	ND (0.012)	ND (0.018)	ND (0.019)
Isophorone	NC	1,000	NC	ND (0.0097)	ND (0.0094)	ND (0.023)	ND (0.024)
Naphthalene	12	NC	12	ND (0.0099)	ND (0.0095)	ND (0.028)	ND (0.028)
Nitrobenzene	NC	140	NC	ND (0.010)	ND (0.010)	ND (0.032)	ND (0.032)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0088)	ND (0.0085)	ND (0.024)	ND (0.024)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.022)	ND (0.021)	ND (0.015)	ND (0.015)
Pentachlorophenol	0.8	NC	0.8	ND (0.062)	ND (0.060)	ND (0.015)	ND (0.015)
Phenanthrene	500	NC	100	0.0354	J ND (0.016)	ND (0.024)	ND (0.024)
Phenol	0.33	NC	0.33	ND (0.038)	ND (0.037)	ND (0.016)	ND (0.016)
Pyrene	500	NC	100	0.0503	0.0203	J ND (0.027)	ND (0.027)
Total TIC, Semi-Volatile	NC	NC	NC	1.16	J 0.65	J ND	ND
Total Alkanes	NC	NC	NC	0	0	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Turnpike Basin 8C IS-3	Turnpike Basin 8C IS-4	Turnpike Basin 8C IS-5	Turnpike Basin 8C IS-6
LAB ID:				09383-027	09383-021	09383-022	09383-025
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.034)	ND (0.035)	ND (0.035)	ND (0.034)
2,4-Dimethylphenol	NC	NC	NC	ND (0.027)	ND (0.028)	ND (0.028)	ND (0.027)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.030)	ND (0.031)	ND (0.031)	ND (0.031)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.020)
2-Chloronaphthalene	NC	NC	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.029)	ND (0.030)	ND (0.029)	ND (0.029)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.028)
2-Nitroaniline	NC	NC	NC	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.021)
2-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.024)	ND (0.025)	ND (0.025)	ND (0.025)
3-Nitroaniline	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.020)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.031)	ND (0.032)	ND (0.032)	ND (0.031)
4-Chloroaniline	NC	1,000	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
4-Nitroaniline	NC	NC	NC	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.023)
4-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Acenaphthene	98	NC	20	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.028)
Acenaphthylene	107	NC	100	ND (0.024)	ND (0.025)	ND (0.025)	ND (0.025)
Acetophenone	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)
Atrazine	NC	NC	NC	ND (0.024)	ND (0.025)	ND (0.025)	ND (0.025)
Benzaldehyde	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)
Benzo[a]anthracene	1	NC	1	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)
Benzo[a]pyrene	1	NC	1	ND (0.019)	ND (0.020)	ND (0.019)	ND (0.019)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.018)	ND (0.019)	ND (0.018)	ND (0.018)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.029)	ND (0.030)	ND (0.030)	ND (0.030)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.024)	ND (0.025)	ND (0.025)	ND (0.025)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.023)
Caprolactam	NC	NC	NC	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.023)
Carbazole	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.020)
Chrysene	1	NC	1	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.024)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.021)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Dimethyl phthalate	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Fluorene	386	NC	30	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)
Hexachlorobenzene	3.2	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Hexachlorobutadiene	NC	NC	NC	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Hexachloroethane	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Isophorone	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Naphthalene	12	NC	12	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.027)
Nitrobenzene	NC	140	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.031)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.023)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Phenanthrene	500	NC	100	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.023)
Phenol	0.33	NC	0.33	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.015)
Pyrene	500	NC	100	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.026)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Turnpike Basin 8C IS-7	Turnpike Basin 8C IS-8	Turnpike Basin 8C IS-9	Turnpike Basin 8C IS-10
LAB ID:				09383-026	09383-028	09383-029	09383-030
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.015)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.035)	ND (0.036)	ND (0.035)	ND (0.035)
2,4-Dimethylphenol	NC	NC	NC	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.028)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.031)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
2-Chloronaphthalene	NC	NC	NC	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.029)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
2-Nitroaniline	NC	NC	NC	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.021)
2-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
3-Nitroaniline	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.033)	ND (0.032)	ND (0.032)
4-Chloroaniline	NC	1,000	NC	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.016)
4-Nitroaniline	NC	NC	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.023)
4-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Acenaphthene	98	NC	20	ND (0.029)	ND (0.029)	ND (0.028)	ND (0.028)
Acenaphthylene	107	NC	100	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Acetophenone	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.012)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
Atrazine	NC	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Benzaldehyde	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Benzo[a]anthracene	1	NC	1	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
Benzo[a]pyrene	1	NC	1	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.030)	ND (0.031)	ND (0.030)	ND (0.030)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.017)	ND (0.018)	ND (0.017)	ND (0.017)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.023)
Caprolactam	NC	NC	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.023)
Carbazole	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
Chrysene	1	NC	1	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.021)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)
Fluorene	386	NC	30	ND (0.019)	ND (0.020)	ND (0.019)	ND (0.019)
Hexachlorobenzene	3.2	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Hexachlorobutadiene	NC	NC	NC	ND (0.035)	ND (0.036)	ND (0.034)	ND (0.034)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
Hexachloroethane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Isophorone	NC	1,000	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.023)
Naphthalene	12	NC	12	ND (0.027)	ND (0.028)	ND (0.027)	ND (0.027)
Nitrobenzene	NC	140	NC	ND (0.032)	ND (0.032)	ND (0.031)	ND (0.031)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.023)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Phenanthrene	500	NC	100	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.023)
Phenol	0.33	NC	0.33	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
Pyrene	500	NC	100	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Turnpike Basin 8C IS-11	Turnpike Basin 8C IS-12	Turnpike Basin 8C IS-13	Turnpike Basin 8C IS-14
LAB ID:				09383-012	09383-011	09383-020	09383-019
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)
2,4-Dimethylphenol	NC	NC	NC	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.028)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.031)	ND (0.031)	ND (0.031)	ND (0.031)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
2-Chloronaphthalene	NC	NC	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.034)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.029)	ND (0.030)	ND (0.029)	ND (0.030)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.029)
2-Nitroaniline	NC	NC	NC	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.022)
2-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
3-Nitroaniline	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.021)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.032)
4-Chloroaniline	NC	1,000	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.034)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.016)
4-Nitroaniline	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
4-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
Acenaphthene	98	NC	20	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.029)
Acenaphthylene	107	NC	100	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Acetophenone	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
Atrazine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzaldehyde	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Benzo[a]anthracene	1	NC	1	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
Benzo[a]pyrene	1	NC	1	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.018)	ND (0.019)	ND (0.018)	ND (0.019)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Caprolactam	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Carbazole	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
Chrysene	1	NC	1	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.024)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.022)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Fluorene	386	NC	30	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)
Hexachlorobenzene	3.2	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Hexachlorobutadiene	NC	NC	NC	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.035)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Hexachloroethane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Isophorone	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Naphthalene	12	NC	12	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.027)
Nitrobenzene	NC	140	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.032)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.024)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Phenanthrene	500	NC	100	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.024)
Phenol	0.33	NC	0.33	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
Pyrene	500	NC	100	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Turnpike Basin 8C IS-15	Turnpike Basin 8C IS-16	Turnpike Basin 8C IS-17	Turnpike Basin 8C IS-18
LAB ID:				09383-018	09383-017	09383-016	09383-015
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.035)
2,4-Dimethylphenol	NC	NC	NC	ND (0.028)	ND (0.027)	ND (0.028)	ND (0.029)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.014)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.031)	ND (0.031)	ND (0.031)	ND (0.032)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.022)
2-Chloronaphthalene	NC	NC	NC	ND (0.034)	ND (0.033)	ND (0.034)	ND (0.035)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.030)	ND (0.029)	ND (0.030)	ND (0.031)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.029)	ND (0.028)	ND (0.029)	ND (0.030)
2-Nitroaniline	NC	NC	NC	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.022)
2-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.027)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
3-Nitroaniline	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.021)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.022)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.031)	ND (0.032)	ND (0.033)
4-Chloroaniline	NC	1,000	NC	ND (0.034)	ND (0.033)	ND (0.034)	ND (0.035)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.017)
4-Nitroaniline	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
4-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.027)
Acenaphthene	98	NC	20	ND (0.029)	ND (0.028)	ND (0.029)	ND (0.030)
Acenaphthylene	107	NC	100	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
Acetophenone	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.013)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.036)
Atrazine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
Benzaldehyde	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.014)
Benzo[a]anthracene	1	NC	1	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.036)
Benzo[a]pyrene	1	NC	1	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.020)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.019)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.018)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
Caprolactam	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
Carbazole	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.022)
Chrysene	1	NC	1	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.025)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.022)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.027)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.026)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
Fluorene	386	NC	30	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.020)
Hexachlorobenzene	3.2	NC	NC	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.026)
Hexachlorobutadiene	NC	NC	NC	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.036)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)
Hexachloroethane	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.014)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.019)
Isophorone	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
Naphthalene	12	NC	12	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.028)
Nitrobenzene	NC	140	NC	ND (0.032)	ND (0.031)	ND (0.032)	ND (0.033)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.024)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.016)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.016)
Phenanthrene	500	NC	100	ND (0.023)	ND (0.023)	ND (0.024)	ND (0.024)
Phenol	0.33	NC	0.33	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.016)
Pyrene	500	NC	100	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.027)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Turnpike Basin 8C IS-19	Turnpike Basin 8C IS-20	Turnpike Basin 8C IS-21	Turnpike Basin 8C IS-22
LAB ID:				09383-014	09383-013	09383-010	09383-004
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)
2,4-Dimethylphenol	NC	NC	NC	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.028)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.031)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
2-Chloronaphthalene	NC	NC	NC	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.030)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
2-Nitroaniline	NC	NC	NC	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.022)
2-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3-Dichlorobenzidine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
3-Nitroaniline	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.021)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.032)
4-Chloroaniline	NC	1,000	NC	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.017)
4-Nitroaniline	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
4-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
Acenaphthene	98	NC	20	ND (0.029)	ND (0.029)	ND (0.028)	ND (0.029)
Acenaphthylene	107	NC	100	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Acetophenone	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.035)
Atrazine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzaldehyde	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Benzo[a]anthracene	1	NC	1	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.035)
Benzo[a]pyrene	1	NC	1	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Caprolactam	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Carbazole	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
Chrysene	1	NC	1	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.024)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.022)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.026)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Fluorene	386	NC	30	ND (0.019)	ND (0.020)	ND (0.019)	ND (0.019)
Hexachlorobenzene	3.2	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.026)
Hexachlorobutadiene	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Hexachloroethane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Isophorone	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Naphthalene	12	NC	12	ND (0.027)	ND (0.028)	ND (0.027)	ND (0.027)
Nitrobenzene	NC	140	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.032)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Phenanthrene	500	NC	100	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.024)
Phenol	0.33	NC	0.33	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
Pyrene	500	NC	100	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Turnpike Basin 8C IS-23	Turnpike Basin 8C IS-24	Turnpike Basin 8C IS-25	Turnpike Basin 8C IS-26
LAB ID:				09383-005	09383-006	09383-007	09383-008
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.015)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.036)	ND (0.035)	ND (0.034)	ND (0.034)
2,4-Dimethylphenol	NC	NC	NC	ND (0.029)	ND (0.028)	ND (0.027)	ND (0.027)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.013)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.032)	ND (0.031)	ND (0.031)	ND (0.031)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)
2-Chloronaphthalene	NC	NC	NC	ND (0.035)	ND (0.034)	ND (0.033)	ND (0.033)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.031)	ND (0.030)	ND (0.029)	ND (0.029)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.030)	ND (0.029)	ND (0.028)	ND (0.028)
2-Nitroaniline	NC	NC	NC	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.021)
2-Nitrophenol	NC	NC	NC	ND (0.027)	ND (0.026)	ND (0.026)	ND (0.026)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.025)
3-Nitroaniline	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.033)	ND (0.032)	ND (0.031)	ND (0.031)
4-Chloroaniline	NC	1,000	NC	ND (0.035)	ND (0.034)	ND (0.033)	ND (0.033)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.016)
4-Nitroaniline	NC	NC	NC	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.023)
4-Nitrophenol	NC	NC	NC	ND (0.027)	ND (0.026)	ND (0.026)	ND (0.026)
Acenaphthene	98	NC	20	ND (0.030)	ND (0.029)	ND (0.028)	ND (0.028)
Acenaphthylene	107	NC	100	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.025)
Acetophenone	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.036)	ND (0.034)	ND (0.034)	ND (0.034)
Atrazine	NC	NC	NC	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.025)
Benzaldehyde	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.013)
Benzo[a]anthracene	1	NC	1	ND (0.036)	ND (0.034)	ND (0.034)	ND (0.034)
Benzo[a]pyrene	1	NC	1	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.019)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.018)
Benzo[g,h,i]perylene	500	NC	100	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.031)	ND (0.030)	ND (0.030)	ND (0.030)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.025)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.017)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.023)
Caprolactam	NC	NC	NC	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.023)
Carbazole	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)
Chrysene	1	NC	1	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.024)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.021)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.027)	ND (0.026)	ND (0.026)	ND (0.026)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.025)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
Fluoranthene	500	NC	100	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
Fluorene	386	NC	30	ND (0.020)	ND (0.019)	ND (0.019)	ND (0.019)
Hexachlorobenzene	3.2	NC	NC	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.025)
Hexachlorobutadiene	NC	NC	NC	ND (0.036)	ND (0.035)	ND (0.034)	ND (0.034)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachloroethane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.013)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.019)	ND (0.018)	ND (0.018)	ND (0.018)
Isophorone	NC	1,000	NC	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.023)
Naphthalene	12	NC	12	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.027)
Nitrobenzene	NC	140	NC	ND (0.032)	ND (0.032)	ND (0.031)	ND (0.031)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.023)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Phenanthrene	500	NC	100	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.023)
Phenol	0.33	NC	0.33	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.015)
Pyrene	500	NC	100	ND (0.027)	ND (0.026)	ND (0.026)	ND (0.026)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Turnpike Basin 8C IS-27	Turnpike Basin 8C IS-28	Turnpike Basin 8C IS-29	Turnpike Basin 8C IS-30
LAB ID:				09383-009	09383-001	09383-002	09383-003
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.016)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.037)
2,4-Dimethylphenol	NC	NC	NC	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.027)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.014)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.033)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.022)
2-Chloronaphthalene	NC	NC	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.035)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.016)
2-Methylnaphthalene	NC	NC	NC	ND (0.029)	ND (0.030)	ND (0.029)	ND (0.031)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.030)
2-Nitroaniline	NC	NC	NC	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.023)
2-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.028)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
3-Nitroaniline	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.021)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.022)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.033)
4-Chloroaniline	NC	1,000	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.035)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.017)
4-Nitroaniline	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
4-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.028)
Acenaphthene	98	NC	20	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.030)
Acenaphthylene	107	NC	100	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
Acetophenone	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.013)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.036)
Atrazine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
Benzaldehyde	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.014)
Benzo[a]anthracene	1	NC	1	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.036)
Benzo[a]pyrene	1	NC	1	ND (0.019)	ND (0.020)	ND (0.020)	ND (0.021)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.018)	ND (0.019)	ND (0.019)	ND (0.020)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.014)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.032)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.014)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.018)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
Caprolactam	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
Carbazole	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.022)
Chrysene	1	NC	1	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.025)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.023)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.028)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.027)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
Fluorene	386	NC	30	ND (0.019)	ND (0.020)	ND (0.019)	ND (0.020)
Hexachlorobenzene	3.2	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.027)
Hexachlorobutadiene	NC	NC	NC	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.036)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Hexachloroethane	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.014)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.019)
Isophorone	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
Naphthalene	12	NC	12	ND (0.027)	ND (0.028)	ND (0.027)	ND (0.029)
Nitrobenzene	NC	140	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.033)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.025)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.016)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.016)
Phenanthrene	500	NC	100	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.025)
Phenol	0.33	NC	0.33	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
Pyrene	500	NC	100	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.028)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Bayonne FD-1	Bayonne FD-2	Bayonne FD-3	Bayonne FD-4
LAB ID:				JB33052-1A	JB33052-2A	JB33052-3A	JB33052-4A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	ND (0.0037)	ND (0.0036)	ND (0.0035)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0097)	ND (0.0097)	ND (0.0095)	ND (0.0091)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.033)	ND (0.032)	ND (0.031)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.035)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.028)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.051)	ND (0.051)	ND (0.050)	ND (0.048)
2,4-Dimethylphenol	NC	NC	NC	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.050)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.036)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
2-Chloronaphthalene	NC	NC	NC	ND (0.0098)	ND (0.0098)	ND (0.0096)	ND (0.0092)
2-Chlorophenol	NC	1,000	NC	ND (0.032)	ND (0.032)	ND (0.031)	ND (0.030)
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.017)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.036)	ND (0.036)	ND (0.035)	ND (0.034)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.034)	ND (0.033)	ND (0.032)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.040)	ND (0.039)	ND (0.038)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0080)	ND (0.0080)	ND (0.0079)	ND (0.0076)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.012)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.036)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.031)	ND (0.030)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0095)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0095)	ND (0.0095)	ND (0.0094)	ND (0.0090)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.053)	ND (0.053)	ND (0.053)	ND (0.050)
Acenaphthene	98	NC	20	ND (0.0092)	ND (0.0092)	ND (0.0090)	ND (0.0086)
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0095)
Acetophenone	NC	NC	NC	ND (0.0056)	ND (0.0056)	ND (0.0055)	ND (0.0052)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Atrazine	NC	NC	NC	ND (0.0062)	ND (0.0062)	ND (0.0061)	ND (0.0059)
Benzaldehyde	NC	NC	NC	ND (0.0073)	ND (0.0073)	ND (0.0072)	ND (0.0068)
Benzo[a]anthracene	1	NC	1	ND (0.0094)	0.0151	J 0.0228	J 0.0188
Benzo[a]pyrene	1	NC	1	ND (0.0088)	0.0154	J 0.0221	J 0.0164
Benzo[b]fluoranthene	1.7	NC	1	ND (0.0096)	ND (0.011)	0.0182	J 0.0126
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	0.0138	J ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.011)	0.0122	J 0.0195	J 0.0129
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0095)	ND (0.0095)	ND (0.0094)	ND (0.0090)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0094)	ND (0.0094)	ND (0.0092)	ND (0.0088)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	ND (0.028)	ND (0.027)	ND (0.025)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.017)
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0098)	ND (0.0094)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.014)
Chrysene	1	NC	1	ND (0.0097)	0.0132	J 0.0182	J 0.0147
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Dibenzofuran	NC	NC	NC	ND (0.0094)	ND (0.0094)	ND (0.0092)	ND (0.0088)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0070)	ND (0.0070)	ND (0.0069)	ND (0.0066)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Fluoranthene	500	NC	100	0.0133	J ND (0.014)	0.042	0.0231
Fluorene	386	NC	30	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0098)
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0097)
Hexachlorobutadiene	NC	NC	NC	ND (0.0088)	ND (0.0088)	ND (0.0086)	ND (0.0083)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.030)
Hexachloroethane	NC	NC	NC	ND (0.0088)	ND (0.0088)	ND (0.0086)	ND (0.0083)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.010)	ND (0.011)	0.0119	J ND (0.010)
Isophorone	NC	1,000	NC	ND (0.0085)	ND (0.0085)	ND (0.0084)	ND (0.0080)
Naphthalene	12	NC	12	ND (0.0086)	ND (0.0086)	ND (0.0085)	ND (0.0081)
Nitrobenzene	NC	140	NC	ND (0.0091)	ND (0.0091)	ND (0.0090)	ND (0.0086)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0077)	ND (0.0077)	ND (0.0076)	ND (0.0073)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.018)
Pentachlorophenol	0.8	NC	0.8	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)
Phenanthrene	500	NC	100	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Phenol	0.33	NC	0.33	ND (0.033)	ND (0.033)	ND (0.033)	ND (0.031)
Pyrene	500	NC	100	0.0127	0.0127	0.0306	0.0226
Total TIC, Semi-Volatile	NC	NC	NC	0.026	0.0686	0.1991	0.1211
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	SAMPLE ID:				Bayonne FD-5	Bayonne FD-6	Bayonne FD-7	Bayonne FD-8
	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	UNITS:	mg/kg	mg/kg	mg/kg	mg/kg
1,1'-Biphenyl	NC	NC	NC		ND (0.0035)	ND (0.0038)	ND (0.0039)	ND (0.0039)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC		ND (0.0094)	ND (0.010)	ND (0.010)	ND (0.010)
2,3,4,6-Tetrachlorophenol	NC	NC	NC		ND (0.031)	ND (0.034)	ND (0.034)	ND (0.034)
2,4,5-Trichlorophenol	NC	1,000	NC		ND (0.035)	ND (0.038)	ND (0.039)	ND (0.039)
2,4,6-Trichlorophenol	NC	NC	NC		ND (0.029)	ND (0.031)	ND (0.031)	ND (0.031)
2,4-Dichlorophenol	NC	1,000	NC		ND (0.049)	ND (0.052)	ND (0.054)	ND (0.054)
2,4-Dimethylphenol	NC	NC	NC		ND (0.051)	ND (0.055)	ND (0.056)	ND (0.056)
2,4-Dinitrophenol	NC	1,000	NC		ND (0.037)	ND (0.040)	ND (0.041)	ND (0.041)
2,4-Dinitrotoluene	NC	NC	NC		ND (0.013)	ND (0.014)	ND (0.015)	ND (0.015)
2,6-Dinitrotoluene	NC	NC	NC		ND (0.012)	ND (0.012)	ND (0.013)	ND (0.013)
2-Chloronaphthalene	NC	NC	NC		ND (0.0094)	ND (0.010)	ND (0.010)	ND (0.010)
2-Chlorophenol	NC	1,000	NC		ND (0.031)	ND (0.033)	ND (0.034)	ND (0.034)
2-Methylnaphthalene	NC	NC	NC		ND (0.017)	ND (0.018)	ND (0.019)	ND (0.019)
2-Methylphenol (o-cresol)	0.33	NC	0.33		ND (0.035)	ND (0.037)	ND (0.038)	ND (0.038)
2-Nitroaniline	NC	NC	NC		ND (0.013)	ND (0.014)	ND (0.015)	ND (0.015)
2-Nitrophenol	NC	NC	NC		ND (0.032)	ND (0.035)	ND (0.035)	ND (0.035)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33		ND (0.039)	ND (0.041)	ND (0.042)	ND (0.042)
3,3'-Dichlorobenzidine	NC	NC	NC		ND (0.0077)	ND (0.0083)	ND (0.0085)	ND (0.0085)
3-Nitroaniline	NC	NC	NC		ND (0.012)	ND (0.013)	ND (0.013)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC		ND (0.037)	ND (0.040)	ND (0.041)	ND (0.041)
4-Bromophenyl phenyl ether	NC	NC	NC		ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC		ND (0.030)	ND (0.033)	ND (0.033)	ND (0.033)
4-Chloroaniline	NC	1,000	NC		ND (0.0098)	ND (0.010)	ND (0.011)	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC		ND (0.0092)	ND (0.0098)	ND (0.010)	ND (0.010)
4-Nitroaniline	NC	NC	NC		ND (0.012)	ND (0.013)	ND (0.013)	ND (0.013)
4-Nitrophenol	NC	NC	NC		ND (0.051)	ND (0.055)	ND (0.057)	ND (0.057)
Acenaphthene	98	NC	20		ND (0.0088)	ND (0.0095)	ND (0.0097)	ND (0.0097)
Acenaphthylene	107	NC	100		ND (0.0098)	ND (0.010)	ND (0.011)	ND (0.011)
Acetophenone	NC	NC	NC		ND (0.0054)	ND (0.0057)	ND (0.0059)	ND (0.0059)
Aniline	NC	1,000	NC		NA	NA	NA	NA
Anthracene	500	NC	100		ND (0.011)	ND (0.011)	ND (0.012)	0.0146 J
Atrazine	NC	NC	NC		ND (0.0060)	ND (0.0064)	ND (0.0066)	ND (0.0066)
Benzaldehyde	NC	NC	NC		ND (0.0070)	ND (0.0075)	ND (0.0077)	ND (0.0077)
Benzo[a]anthracene	1	NC	1		ND (0.0099)	ND (0.011)	ND (0.011)	0.0655
Benzo[a]pyrene	1	NC	1		ND (0.0093)	ND (0.0099)	ND (0.010)	0.0509
Benzo[b]fluoranthene	1.7	NC	1		ND (0.010)	ND (0.011)	ND (0.011)	0.034
Benzo[g,h,i]perylene	500	NC	100		ND (0.011)	ND (0.012)	ND (0.012)	0.0333
Benzo[k]fluoranthene	1.7	NC	0.8		ND (0.011)	ND (0.012)	ND (0.013)	0.0433
Benzoic Acid	NC	1,000	NC		NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC		ND (0.012)	ND (0.013)	ND (0.014)	ND (0.014)
Bis(2-chloroethyl)ether	NC	NC	NC		ND (0.0092)	ND (0.0098)	ND (0.010)	ND (0.010)
Bis(2-chloroisopropyl)ether	NC	NC	NC		ND (0.0091)	ND (0.0097)	ND (0.0099)	ND (0.0099)
Bis(2-ethylhexyl) phthalate	NC	NC	NC		ND (0.027)	ND (0.029)	ND (0.030)	ND (0.030)
Butyl benzyl phthalate	NC	1,000	NC		ND (0.018)	ND (0.019)	ND (0.019)	ND (0.019)
Caprolactam	NC	NC	NC		ND (0.0096)	ND (0.010)	ND (0.011)	ND (0.011)
Carbazole	NC	NC	NC		ND (0.014)	ND (0.015)	ND (0.015)	ND (0.015)
Chrysene	1	NC	1		ND (0.010)	ND (0.011)	ND (0.011)	0.071
Dibenz(a,h)anthracene	0.56	NC	0.33		ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Dibenzofuran	NC	NC	NC		ND (0.0091)	ND (0.0097)	ND (0.0099)	ND (0.0099)
Diethyl phthalate	NC	1,000	NC		ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC		ND (0.011)	ND (0.011)	ND (0.012)	ND (0.012)
Di-n-butyl phthalate	NC	1,000	NC		ND (0.0068)	ND (0.0072)	ND (0.0074)	ND (0.0074)
Di-n-octyl phthalate	NC	1,000	NC		ND (0.015)	ND (0.016)	ND (0.016)	ND (0.016)
Fluoranthene	500	NC	100		ND (0.013)	ND (0.014)	ND (0.015)	0.084
Fluorene	386	NC	30		ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC		ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC		ND (0.0085)	ND (0.0091)	ND (0.0093)	ND (0.0093)
Hexachlorocyclopentadiene	NC	NC	NC		ND (0.031)	ND (0.033)	ND (0.034)	ND (0.034)
Hexachloroethane	NC	NC	NC		ND (0.0085)	ND (0.0091)	ND (0.0093)	ND (0.0093)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5		ND (0.011)	ND (0.011)	ND (0.012)	0.0281 J
Isophorone	NC	1,000	NC		ND (0.0082)	ND (0.0088)	ND (0.0090)	ND (0.0090)
Naphthalene	12	NC	12		ND (0.0083)	ND (0.0089)	ND (0.0091)	ND (0.0091)
Nitrobenzene	NC	140	NC		ND (0.0088)	ND (0.0094)	ND (0.0097)	ND (0.0097)
N-Nitroso-di-n-propylamine	NC	NC	NC		ND (0.0074)	ND (0.0080)	ND (0.0082)	ND (0.0082)
N-Nitrosodiphenylamine	NC	NC	NC		ND (0.018)	ND (0.019)	ND (0.020)	ND (0.020)
Pentachlorophenol	0.8	NC	0.8		ND (0.052)	ND (0.056)	ND (0.057)	ND (0.057)
Phenanthrene	500	NC	100		ND (0.014)	ND (0.015)	ND (0.015)	0.0368
Phenol	0.33	NC	0.33		ND (0.032)	ND (0.034)	ND (0.035)	ND (0.035)
Pyrene	500	NC	100		ND (0.012)	ND (0.013)	ND (0.013)	0.102
Total TIC, Semi-Volatile	NC	NC	NC		ND	ND	ND	0.5208
Total Alkanes	NC	NC	NC		ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

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SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	SAMPLE ID:			Bayonne FD-9	Bayonne FD-10	Bayonne FD-11	Bayonne FD-12
	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0040)	ND (0.0040)	ND (0.0040)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.036)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.033)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.055)	ND (0.055)	ND (0.055)	ND (0.056)
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.057)	ND (0.057)	ND (0.058)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.042)	ND (0.042)	ND (0.042)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.035)
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.040)
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Nitrophenol	NC	NC	NC	ND (0.037)	ND (0.036)	ND (0.036)	ND (0.037)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.044)	ND (0.043)	ND (0.043)	ND (0.044)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0087)	ND (0.0087)	ND (0.0087)	ND (0.0088)
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.042)	ND (0.042)	ND (0.042)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.013)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.035)
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.014)
4-Nitrophenol	NC	NC	NC	ND (0.058)	ND (0.058)	ND (0.058)	ND (0.059)
Acenaphthene	98	NC	20	ND (0.010)	ND (0.0099)	ND (0.0099)	ND (0.010)
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Acetophenone	NC	NC	NC	ND (0.0061)	ND (0.0060)	ND (0.0060)	ND (0.0061)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Atrazine	NC	NC	NC	ND (0.0068)	ND (0.0067)	ND (0.0067)	ND (0.0068)
Benzaldehyde	NC	NC	NC	ND (0.0079)	ND (0.0078)	ND (0.0078)	ND (0.0080)
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Benzo[a]pyrene	1	NC	1	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.011)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.012)
Benzo[g,h,i]perylene	500	NC	100	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.031)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Carbazole	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
Chrysene	1	NC	1	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0076)	ND (0.0076)	ND (0.0076)	ND (0.0077)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)
Fluoranthene	500	NC	100	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Fluorene	386	NC	30	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0096)	ND (0.0095)	ND (0.0095)	ND (0.0097)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)
Hexachloroethane	NC	NC	NC	ND (0.0096)	ND (0.0095)	ND (0.0095)	ND (0.0097)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Isophorone	NC	1,000	NC	ND (0.0093)	ND (0.0092)	ND (0.0092)	ND (0.0093)
Naphthalene	12	NC	12	ND (0.0094)	ND (0.0093)	ND (0.0093)	ND (0.0095)
Nitrobenzene	NC	140	NC	ND (0.010)	ND (0.0099)	ND (0.0098)	ND (0.010)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0084)	ND (0.0083)	ND (0.0083)	ND (0.0085)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.021)
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.058)	ND (0.058)	ND (0.059)
Phenanthrene	500	NC	100	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.036)	ND (0.036)	ND (0.036)
Pyrene	500	NC	100	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Bayonne FD-13	Bayonne FD-14	Bayonne FD-15	Bayonne FD-16
LAB ID:				JB33052-13A	JB33052-14A	JB33052-15A	JB33052-16A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	ND (0.0041)	ND (0.0038)	ND (0.0040)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0098)	ND (0.011)	ND (0.0099)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.037)	ND (0.033)	ND (0.035)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.041)	ND (0.038)	ND (0.040)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.033)	ND (0.030)	ND (0.032)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.051)	ND (0.057)	ND (0.052)	ND (0.055)
2,4-Dimethylphenol	NC	NC	NC	ND (0.053)	ND (0.060)	ND (0.054)	ND (0.058)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.039)	ND (0.043)	ND (0.040)	ND (0.042)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.015)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.012)	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	ND (0.0099)	ND (0.011)	ND (0.010)	ND (0.011)
2-Chlorophenol	NC	1,000	NC	ND (0.032)	ND (0.036)	ND (0.033)	ND (0.035)
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.020)	ND (0.018)	ND (0.019)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.036)	ND (0.041)	ND (0.037)	ND (0.039)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.015)
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.038)	ND (0.034)	ND (0.036)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.045)	ND (0.041)	ND (0.044)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0081)	ND (0.0090)	ND (0.0082)	ND (0.0087)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.039)	ND (0.043)	ND (0.040)	ND (0.042)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.036)	ND (0.032)	ND (0.034)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.0097)	ND (0.010)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.054)	ND (0.060)	ND (0.055)	ND (0.058)
Acenaphthene	98	NC	20	ND (0.0092)	ND (0.010)	ND (0.0094)	ND (0.0099)
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
Acetophenone	NC	NC	NC	ND (0.0056)	ND (0.0063)	ND (0.0057)	ND (0.0060)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	ND (0.012)	0.0285 J	ND (0.012)
Atrazine	NC	NC	NC	ND (0.0063)	ND (0.0070)	ND (0.0064)	ND (0.0068)
Benzaldehyde	NC	NC	NC	ND (0.0073)	ND (0.0082)	ND (0.0074)	ND (0.0079)
Benzo[a]anthracene	1	NC	1	ND (0.010)	ND (0.012)	0.104	ND (0.011)
Benzo[a]pyrene	1	NC	1	ND (0.0097)	ND (0.011)	0.13	ND (0.010)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.011)	ND (0.012)	0.0954	ND (0.011)
Benzo[g,h,i]perylene	500	NC	100	ND (0.012)	ND (0.013)	0.163	ND (0.013)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	ND (0.013)	0.0388	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.0097)	ND (0.010)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0094)	ND (0.011)	ND (0.0096)	ND (0.010)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	ND (0.031)	ND (0.029)	ND (0.030)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.021)	ND (0.019)	ND (0.020)
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.016)
Chrysene	1	NC	1	ND (0.011)	ND (0.012)	0.128	ND (0.012)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.011)	ND (0.012)	0.0375	ND (0.012)
Dibenzofuran	NC	NC	NC	ND (0.0094)	ND (0.011)	ND (0.0096)	ND (0.010)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.012)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0071)	ND (0.0079)	ND (0.0072)	ND (0.0076)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.017)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.016)	0.154	ND (0.015)
Fluorene	386	NC	30	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0088)	ND (0.0099)	ND (0.0090)	ND (0.0095)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.032)	ND (0.036)	ND (0.033)	ND (0.035)
Hexachloroethane	NC	NC	NC	ND (0.0088)	ND (0.0099)	ND (0.0090)	ND (0.0095)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.011)	ND (0.012)	0.0765	ND (0.012)
Isophorone	NC	1,000	NC	ND (0.0086)	ND (0.0096)	ND (0.0087)	ND (0.0092)
Naphthalene	12	NC	12	ND (0.0087)	ND (0.0097)	ND (0.0088)	ND (0.0094)
Nitrobenzene	NC	140	NC	ND (0.0092)	ND (0.010)	ND (0.0094)	ND (0.0099)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0078)	ND (0.0087)	ND (0.0079)	ND (0.0084)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.021)	ND (0.019)	ND (0.020)
Pentachlorophenol	0.8	NC	0.8	ND (0.054)	ND (0.061)	ND (0.055)	ND (0.059)
Phenanthrene	500	NC	100	ND (0.014)	ND (0.016)	0.0782	ND (0.016)
Phenol	0.33	NC	0.33	ND (0.033)	ND (0.037)	ND (0.034)	ND (0.036)
Pyrene	500	NC	100	ND (0.012)	ND (0.014)	0.18	ND (0.013)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	1.1854	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	SAMPLE ID:				Bayonne FD-17	Bayonne FD-18	Bayonne FD-19	Bayonne FD-20
	LAB ID:				JB33052-17A	JB33052-18A	JB33052-19A	JB33052-20A
	COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
	SAMPLE MATRIX:				Soil	Soil	Soil	Soil
	UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0037)	ND (0.0037)	ND (0.0038)	
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.0099)	ND (0.0097)	ND (0.0099)	
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.035)	ND (0.033)	ND (0.033)	ND (0.033)	
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.037)	ND (0.037)	ND (0.038)	
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.032)	ND (0.030)	ND (0.030)	ND (0.030)	
2,4-Dichlorophenol	NC	1,000	NC	ND (0.055)	ND (0.052)	ND (0.051)	ND (0.052)	
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.054)	ND (0.053)	ND (0.054)	
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.039)	ND (0.039)	ND (0.040)	
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)	
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.0098)	ND (0.010)	
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.033)	ND (0.032)	ND (0.033)	
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.018)	ND (0.018)	ND (0.018)	
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.037)	ND (0.036)	ND (0.037)	
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	
2-Nitrophenol	NC	NC	NC	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.034)	
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.043)	ND (0.041)	ND (0.040)	ND (0.041)	
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0087)	ND (0.0082)	ND (0.0080)	ND (0.0082)	
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)	
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.039)	ND (0.039)	ND (0.040)	
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.012)	
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.034)	ND (0.032)	ND (0.032)	ND (0.032)	
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)	
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.0097)	ND (0.0095)	ND (0.0097)	
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.013)	
4-Nitrophenol	NC	NC	NC	ND (0.058)	ND (0.055)	ND (0.053)	ND (0.055)	
Acenaphthene	98	NC	20	ND (0.0099)	ND (0.0094)	ND (0.0092)	ND (0.0094)	
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)	
Acetophenone	NC	NC	NC	ND (0.0060)	ND (0.0057)	ND (0.0056)	ND (0.0057)	
Aniline	NC	1,000	NC	NA	NA	NA	NA	
Anthracene	500	NC	100	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Atrazine	NC	NC	NC	ND (0.0067)	ND (0.0064)	ND (0.0062)	ND (0.0064)	
Benzaldehyde	NC	NC	NC	ND (0.0079)	ND (0.0074)	ND (0.0073)	ND (0.0075)	
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)	
Benzo[a]pyrene	1	NC	1	ND (0.010)	ND (0.0099)	ND (0.0096)	ND (0.0099)	
Benzo[b]fluoranthene	1.7	NC	1	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	
Benzo[g,h,i]perylene	500	NC	100	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)	
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)	
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA	
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)	
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.0097)	ND (0.0095)	ND (0.0097)	
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.0096)	ND (0.0094)	ND (0.0096)	
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.030)	ND (0.029)	ND (0.028)	ND (0.029)	
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.019)	ND (0.018)	ND (0.019)	
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.0099)	ND (0.010)	
Carbazole	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.015)	
Chrysene	1	NC	1	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.0096)	ND (0.0094)	ND (0.0096)	
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0076)	ND (0.0072)	ND (0.0070)	ND (0.0072)	
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.016)	ND (0.015)	ND (0.016)	
Fluoranthene	500	NC	100	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	
Fluorene	386	NC	30	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)	
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)	
Hexachlorobutadiene	NC	NC	NC	ND (0.0095)	ND (0.0090)	ND (0.0088)	ND (0.0090)	
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.033)	ND (0.032)	ND (0.033)	
Hexachloroethane	NC	NC	NC	ND (0.0095)	ND (0.0090)	ND (0.0088)	ND (0.0090)	
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Isophorone	NC	1,000	NC	ND (0.0092)	ND (0.0087)	ND (0.0085)	ND (0.0087)	
Naphthalene	12	NC	12	ND (0.0093)	ND (0.0088)	ND (0.0086)	ND (0.0088)	
Nitrobenzene	NC	140	NC	ND (0.0099)	ND (0.0093)	ND (0.0091)	ND (0.0094)	
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0084)	ND (0.0079)	ND (0.0077)	ND (0.0079)	
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.020)	ND (0.019)	ND (0.019)	ND (0.019)	
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.055)	ND (0.054)	ND (0.055)	
Phenanthrene	500	NC	100	ND (0.016)	ND (0.015)	ND (0.014)	ND (0.015)	
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.034)	
Pyrene	500	NC	100	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)	
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND	
Total Alkanes	NC	NC	NC	ND	ND	ND	ND	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Bayonne FD-21	Bayonne FD-22	Bayonne FD-DUP1	Bayonne FD-DUP2
LAB ID:				JB33052-21A	JB33052-22A	JB33052-23A	JB33052-24A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0039)	ND (0.0040)	ND (0.0036)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.0095)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.036)	ND (0.035)	ND (0.035)	ND (0.032)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.039)	ND (0.040)	ND (0.036)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.033)	ND (0.032)	ND (0.032)	ND (0.029)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.050)
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.057)	ND (0.058)	ND (0.052)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.041)	ND (0.042)	ND (0.038)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.0096)
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.031)
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.017)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.038)	ND (0.039)	ND (0.035)
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.014)
2-Nitrophenol	NC	NC	NC	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.033)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.039)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0088)	ND (0.0086)	ND (0.0087)	ND (0.0079)
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.012)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.041)	ND (0.042)	ND (0.038)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.011)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.031)
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0099)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0094)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.058)	ND (0.057)	ND (0.058)	ND (0.053)
Acenaphthene	98	NC	20	ND (0.010)	ND (0.0098)	ND (0.010)	ND (0.0090)
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0099)
Acetophenone	NC	NC	NC	ND (0.0061)	ND (0.0059)	ND (0.0061)	ND (0.0055)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Atrazine	NC	NC	NC	ND (0.0068)	ND (0.0066)	ND (0.0068)	ND (0.0061)
Benzaldehyde	NC	NC	NC	ND (0.0080)	ND (0.0077)	ND (0.0079)	ND (0.0071)
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Benzo[a]pyrene	1	NC	1	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.0095)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.010)
Benzo[g,h,i]perylene	500	NC	100	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0094)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0092)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.031)	ND (0.030)	ND (0.030)	ND (0.027)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.018)
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)
Carbazole	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.014)
Chrysene	1	NC	1	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Dibenz[a,h]anthracene	0.56	NC	0.33	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0092)
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0077)	ND (0.0075)	ND (0.0076)	ND (0.0069)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.015)
Fluoranthene	500	NC	100	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.014)
Fluorene	386	NC	30	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Hexachlorobutadiene	NC	NC	NC	ND (0.0096)	ND (0.0094)	ND (0.0096)	ND (0.0086)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.032)
Hexachloroethane	NC	NC	NC	ND (0.0096)	ND (0.0094)	ND (0.0096)	ND (0.0086)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Isophorone	NC	1,000	NC	ND (0.0093)	ND (0.0091)	ND (0.0093)	ND (0.0084)
Naphthalene	12	NC	12	ND (0.0094)	ND (0.0092)	ND (0.0094)	ND (0.0085)
Nitrobenzene	NC	140	NC	ND (0.010)	ND (0.0097)	ND (0.010)	ND (0.0090)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0084)	ND (0.0082)	ND (0.0084)	ND (0.0076)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.019)
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.058)	ND (0.059)	ND (0.053)
Phenanthrene	500	NC	100	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.014)
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.035)	ND (0.036)	ND (0.033)
Pyrene	500	NC	100	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Weldon Fanwood Screening	Weldon Fanwood Select Fill	Allocco	Tilcon New York, Inc
LAB ID:				JB15010-1A	JB15010-2A	1012806-01	07616-001
COLLECTION DATE:				8/29/12	8/29/12	1/24/11	8/3/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	<0.062	<0.068	NA	<0.034
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	<0.15	<0.17	NA	<0.034
2,3,4,6-Tetrachlorophenol	NC	NC	NC	<0.15	<0.17	NA	<0.034
2,4,5-Trichlorophenol	NC	1,000	NC	<0.15	<0.17	NA	<0.034
2,4,6-Trichlorophenol	NC	NC	NC	<0.15	<0.17	NA	<0.034
2,4-Dichlorophenol	NC	1,000	NC	<0.15	<0.17	NA	<0.034
2,4-Dimethylphenol	NC	NC	NC	<0.15	<0.17	NA	<0.034
2,4-Dinitrophenol	NC	1,000	NC	<0.62	<0.68	NA	<0.034
2,4-Dinitrotoluene	NC	NC	NC	<0.062	<0.068	NA	<0.034
2,6-Dinitrotoluene	NC	NC	NC	<0.062	<0.068	NA	<0.034
2-Chloronaphthalene	NC	NC	NC	<0.062	<0.068	NA	<0.034
2-Chlorophenol	NC	1,000	NC	<0.15	<0.17	NA	<0.034
2-Methylnaphthalene	NC	NC	NC	<0.062	<0.068	NA	<0.034
2-Methylphenol (o-cresol)	0.33	NC	0.33	<0.062	<0.068	<0.280	<0.034
2-Nitroaniline	NC	NC	NC	<0.15	<0.17	NA	<0.034
2-Nitrophenol	NC	NC	NC	<0.15	<0.17	NA	<0.034
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	<0.062	<0.068	<0.280	<0.034
3,3'-Dichlorobenzidine	NC	NC	NC	<0.15	<0.17	NA	<0.034
3-Nitroaniline	NC	NC	NC	<0.15	<0.17	NA	<0.034
4,6-Dinitro-2-methylphenol	NC	NC	NC	<0.62	<0.68	NA	<0.034
4-Bromophenyl phenyl ether	NC	NC	NC	<0.062	<0.068	NA	<0.034
4-Chloro-3-methylphenol	NC	NC	NC	<0.15	<0.17	NA	<0.034
4-Chloroaniline	NC	1,000	NC	<0.15	<0.17	NA	<0.034
4-Chlorophenyl phenyl ether	NC	NC	NC	<0.062	<0.068	NA	<0.034
4-Nitroaniline	NC	NC	NC	<0.15	<0.17	NA	<0.034
4-Nitrophenol	NC	NC	NC	<0.31	<0.34	NA	<0.034
Acenaphthene	98	NC	20	<0.031	<0.034	<0.285	<0.034
Acenaphthylene	107	NC	100	<0.031	<0.034	<0.280	<0.034
Acetophenone	NC	NC	NC	<0.15	<0.17	NA	<0.034
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	<0.031	<0.034	<0.728	<0.034
Atrazine	NC	NC	NC	<0.15	<0.17	NA	<0.034
Benzaldehyde	NC	NC	NC	<0.15	<0.17	NA	<0.034
Benzo[a]anthracene	1	NC	1	<0.031	<0.034	1.04	<0.034
Benzo[a]pyrene	1	NC	1	<0.031	<0.034	0.924	<0.034
Benzo[b]fluoranthene	1.7	NC	1	<0.031	<0.034	1.04	<0.034
Benzo[g,h,i]perylene	500	NC	100	<0.031	<0.034	0.663	<0.034
Benzo[k]fluoranthene	1.7	NC	0.8	<0.031	<0.034	NA	<0.034
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	<0.062	<0.068	NA	<0.034
Bis(2-chloroethyl)ether	NC	NC	NC	<0.062	<0.068	NA	<0.034
Bis(2-chloroisopropyl)ether	NC	NC	NC	<0.062	<0.068	NA	<0.034
Bis(2-ethylhexyl) phthalate	NC	NC	NC	<0.062	<0.068	NA	<0.034
Butyl benzyl phthalate	NC	1,000	NC	<0.062	<0.068	NA	<0.034
Caprolactam	NC	NC	NC	<0.062	<0.068	NA	<0.034
Carbazole	NC	NC	NC	<0.062	<0.068	NA	<0.034
Chrysene	1	NC	1	<0.031	<0.034	1.09	<0.034
Dibenz(a,h)anthracene	0.56	NC	0.33	<0.031	<0.034	<0.280	<0.034
Dibenzofuran	NC	NC	NC	<0.062	<0.068	<0.280	<0.034
Diethyl phthalate	NC	1,000	NC	<0.062	<0.068	NA	<0.034
Dimethyl phthalate	NC	1,000	NC	<0.062	<0.068	NA	<0.034
Di-n-butyl phthalate	NC	1,000	NC	<0.062	<0.068	NA	<0.034
Di-n-octyl phthalate	NC	1,000	NC	<0.062	<0.068	NA	<0.034
Fluoranthene	500	NC	100	<0.031	<0.034	2.1	<0.034
Fluorene	386	NC	30	<0.031	<0.034	<0.327	<0.034
Hexachlorobenzene	3.2	NC	NC	<0.062	<0.068	<0.280	<0.034
Hexachlorobutadiene	NC	NC	NC	<0.031	<0.034	NA	<0.034
Hexachlorocyclopentadiene	NC	NC	NC	<0.31	<0.34	NA	<0.034
Hexachloroethane	NC	NC	NC	<0.15	<0.17	NA	<0.034
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	<0.031	<0.034	0.625	<0.034
Isophorone	NC	1,000	NC	<0.062	<0.068	NA	<0.034
Naphthalene	12	NC	12	<0.031	<0.034	<0.280	<0.034
Nitrobenzene	NC	140	NC	<0.062	<0.068	NA	<0.034
N-Nitroso-di-n-propylamine	NC	NC	NC	<0.062	<0.068	NA	<0.034
N-Nitrosodiphenylamine	NC	NC	NC	<0.15	<0.17	NA	<0.034
Pentachlorophenol	0.8	NC	0.8	<0.31	<0.34	<0.280	<0.034
Phenanthrene	500	NC	100	<0.031	<0.034	2.1	<0.034
Phenol	0.33	NC	0.33	<0.062	<0.068	<0.280	<0.034
Pyrene	500	NC	100	<0.031	<0.034	2.06	<0.034
Total TIC, Semi-Volatile	NC	NC	NC	NA	NA	NA	NA
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Amboy Aggregates Sand	Amboy Aggregates Sand 1	Amboy Aggregates Sand 2	Bayshore Screening Pile - Soil 1
LAB ID:				E11-12558-001	JB19430-1A	JB19430-2A	JB19431-1A
COLLECTION DATE:				12/16/11	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.0038)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.010)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.034)
2,4,5-Trichlorophenol	NC	1,000	NC	<0.066	<0.16	<0.17	ND (0.038)
2,4,6-Trichlorophenol	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.031)
2,4-Dichlorophenol	NC	1,000	NC	<0.066	<0.16	<0.17	ND (0.053)
2,4-Dimethylphenol	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.055)
2,4-Dinitrophenol	NC	1,000	NC	<0.066	<0.62	<0.62	ND (0.040)
2,4-Dinitrotoluene	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.010)
2-Chlorophenol	NC	1,000	NC	<0.066	<0.16	<0.17	ND (0.033)
2-Methylnaphthalene	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.018)
2-Methylphenol (o-cresol)	0.33	NC	0.33	<0.066	<0.064	<0.068	ND (0.037)
2-Nitroaniline	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.014)
2-Nitrophenol	NC	NC	NC	<0.066	<0.15	<0.15	ND (0.035)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	<0.066	<0.064	<0.068	ND (0.042)
3,3'-Dichlorobenzidine	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.0083)
3-Nitroaniline	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	<0.066	<0.62	<0.62	ND (0.040)
4-Bromophenyl phenyl ether	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.033)
4-Chloroaniline	NC	1,000	NC	<0.066	<0.16	<0.17	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.0099)
4-Nitroaniline	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.013)
4-Nitrophenol	NC	NC	NC	<0.066	<0.32	<0.32	ND (0.056)
Acenaphthene	98	NC	20	<0.066	<0.032	<0.034	ND (0.0095)
Acenaphthylene	107	NC	100	<0.066	<0.032	<0.034	ND (0.011)
Acetophenone	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.0058)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	<0.066	<0.032	<0.034	ND (0.012)
Atrazine	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.0065)
Benzaldehyde	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.0076)
Benzo[a]anthracene	1	NC	1	<0.066	<0.032	<0.034	0.0151 J
Benzo[a]pyrene	1	NC	1	<0.066	<0.032	<0.034	ND (0.010)
Benzo[b]fluoranthene	1.7	NC	1	<0.066	<0.032	<0.034	ND (0.011)
Benzo[g,h,i]perylene	500	NC	100	<0.066	<0.032	<0.034	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	<0.066	<0.032	<0.034	ND (0.012)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.0099)
Bis(2-chloroisopropyl)ether	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.0098)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.029)
Butyl benzyl phthalate	NC	1,000	NC	<0.066	<0.064	<0.068	ND (0.019)
Caprolactam	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.010)
Carbazole	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.015)
Chrysene	1	NC	1	<0.066	<0.032	<0.034	0.0124 J
Dibenz(a,h)anthracene	0.56	NC	0.33	<0.066	<0.032	<0.034	ND (0.011)
Dibenzofuran	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.0098)
Diethyl phthalate	NC	1,000	NC	<0.066	<0.064	<0.068	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	<0.066	<0.064	<0.068	0.0349 JB
Di-n-butyl phthalate	NC	1,000	NC	<0.066	<0.064	<0.068	ND (0.0073)
Di-n-octyl phthalate	NC	1,000	NC	<0.066	<0.064	<0.068	ND (0.016)
Fluoranthene	500	NC	100	<0.066	<0.032	<0.034	0.0229 J
Fluorene	386	NC	30	<0.066	<0.032	<0.034	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	<0.066	<0.064	<0.068	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	<0.066	<0.032	<0.034	ND (0.0091)
Hexachlorocyclopentadiene	NC	NC	NC	<0.066	<0.32	<0.32	ND (0.034)
Hexachloroethane	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.0091)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	<0.066	<0.032	<0.034	ND (0.011)
Isophorone	NC	1,000	NC	<0.066	<0.064	<0.068	ND (0.0088)
Naphthalene	12	NC	12	<0.066	<0.032	<0.034	ND (0.0090)
Nitrobenzene	NC	140	NC	<0.066	<0.064	<0.068	ND (0.0095)
N-Nitroso-di-n-propylamine	NC	NC	NC	<0.066	<0.064	<0.068	ND (0.0080)
N-Nitrosodiphenylamine	NC	NC	NC	<0.066	<0.16	<0.17	ND (0.020)
Pentachlorophenol	0.8	NC	0.8	<0.066	<0.32	<0.32	ND (0.056)
Phenanthrene	500	NC	100	<0.066	<0.032	<0.034	0.0175 J
Phenol	0.33	NC	0.33	<0.066	<0.064	<0.068	ND (0.035)
Pyrene	500	NC	100	<0.066	<0.032	<0.034	0.0258 J
Total TIC, Semi-Volatile	NC	NC	NC	NA	NA	NA	NA
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Bayshore Screening Pile - Soil 2	Bayshore Screening Pile - Soil 3	Bayshore Screening Pile - Soil 4	Bayshore Screening Pile - Soil 5
LAB ID:				JB19431-2A	JB19431-3A	JB19431-4A	JB19431-5A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0044)	ND (0.0041)	ND (0.0041)	ND (0.0042)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.037)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.044)	ND (0.041)	ND (0.041)	ND (0.042)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.035)	ND (0.033)	ND (0.033)	ND (0.034)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.060)	ND (0.056)	ND (0.057)	ND (0.058)
2,4-Dimethylphenol	NC	NC	NC	ND (0.063)	ND (0.059)	ND (0.059)	ND (0.061)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.046)	ND (0.043)	ND (0.043)	ND (0.044)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.016)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.014)
2-Chloronaphthalene	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
2-Chlorophenol	NC	1,000	NC	ND (0.038)	ND (0.035)	ND (0.036)	ND (0.037)
2-Methylnaphthalene	NC	NC	NC	ND (0.021)	ND (0.019)	ND (0.020)	ND (0.020)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.043)	ND (0.040)	ND (0.040)	ND (0.041)
2-Nitroaniline	NC	NC	NC	ND (0.017)	ND (0.015)	ND (0.016)	ND (0.016)
2-Nitrophenol	NC	NC	NC	ND (0.040)	ND (0.037)	ND (0.037)	ND (0.038)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.048)	ND (0.044)	ND (0.045)	ND (0.046)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0095)	ND (0.0089)	ND (0.0090)	ND (0.0092)
3-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.046)	ND (0.043)	ND (0.043)	ND (0.044)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.038)	ND (0.035)	ND (0.035)	ND (0.036)
4-Chloroaniline	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.012)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
4-Nitrophenol	NC	NC	NC	ND (0.063)	ND (0.059)	ND (0.060)	ND (0.061)
Acenaphthene	98	NC	20	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Acenaphthylene	107	NC	100	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.012)
Acetophenone	NC	NC	NC	ND (0.0066)	ND (0.0061)	ND (0.0062)	ND (0.0064)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.013)
Atrazine	NC	NC	NC	ND (0.0074)	ND (0.0069)	ND (0.0070)	ND (0.0071)
Benzaldehyde	NC	NC	NC	ND (0.0086)	ND (0.0080)	ND (0.0081)	ND (0.0083)
Benzo[a]anthracene	1	NC	1	ND (0.012)	ND (0.011)	0.0159 J	0.0197 J
Benzo[a]pyrene	1	NC	1	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
Benzo[g,h,i]perylene	500	NC	100	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.014)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.015)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.011)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.033)	ND (0.031)	ND (0.031)	ND (0.032)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.022)	ND (0.020)	ND (0.020)	ND (0.021)
Caprolactam	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
Carbazole	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.017)
Chrysene	1	NC	1	ND (0.013)	ND (0.012)	ND (0.012)	0.0176 J
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
Dibenzofuran	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.011)
Diethyl phthalate	NC	1,000	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
Dimethyl phthalate	NC	1,000	NC	0.0395 JB	0.0471 JB	0.0748 B	ND (0.013)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0083)	ND (0.0078)	ND (0.0078)	ND (0.0080)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.018)
Fluoranthene	500	NC	100	ND (0.017)	0.017 J	0.0209 J	0.0246 J
Fluorene	386	NC	30	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)
Hexachlorobenzene	3.2	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)
Hexachlorobutadiene	NC	NC	NC	ND (0.010)	ND (0.0097)	ND (0.0098)	ND (0.010)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.038)	ND (0.036)	ND (0.036)	ND (0.037)
Hexachloroethane	NC	NC	NC	ND (0.010)	ND (0.0097)	ND (0.0098)	ND (0.010)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.013)
Isophorone	NC	1,000	NC	ND (0.010)	ND (0.0094)	ND (0.0095)	ND (0.0097)
Naphthalene	12	NC	12	ND (0.010)	ND (0.0095)	ND (0.0096)	ND (0.0099)
Nitrobenzene	NC	140	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0092)	ND (0.0085)	ND (0.0086)	ND (0.0088)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.022)	ND (0.021)	ND (0.021)	ND (0.022)
Pentachlorophenol	0.8	NC	0.8	ND (0.064)	ND (0.060)	ND (0.060)	ND (0.062)
Phenanthrene	500	NC	100	ND (0.017)	ND (0.016)	0.0255 J	0.0171 J
Phenol	0.33	NC	0.33	ND (0.039)	ND (0.037)	ND (0.037)	ND (0.038)
Pyrene	500	NC	100	0.0202 J	0.0188 J	0.0273 J	0.0348 J
Total TIC, Semi-Volatile	NC	NC	NC	NA	0.17 J	NA	0.35 J
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Bayshore Screening Pile - Soil 6	Bayshore Screening Pile - Soil 7	Bayshore Screening Pile - Soil 8	Bayshore Screening Pile - Soil 9
LAB ID:				JB19431-6A	JB19431-7A	JB19431-8A	JB19431-9A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0045)	ND (0.0042)	ND (0.0038)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.010)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.035)	ND (0.040)	ND (0.037)	ND (0.034)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.045)	ND (0.042)	ND (0.038)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.032)	ND (0.037)	ND (0.034)	ND (0.031)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.055)	ND (0.063)	ND (0.058)	ND (0.053)
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.066)	ND (0.061)	ND (0.055)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.048)	ND (0.044)	ND (0.040)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.015)	ND (0.014)	ND (0.012)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.010)
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.040)	ND (0.037)	ND (0.033)
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.022)	ND (0.020)	ND (0.018)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.045)	ND (0.041)	ND (0.037)
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.014)
2-Nitrophenol	NC	NC	NC	ND (0.036)	ND (0.042)	ND (0.038)	ND (0.035)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.043)	ND (0.050)	ND (0.046)	ND (0.042)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0087)	ND (0.010)	ND (0.0092)	ND (0.0083)
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.015)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.048)	ND (0.044)	ND (0.040)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.034)	ND (0.039)	ND (0.036)	ND (0.033)
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.013)	ND (0.012)	ND (0.010)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.0099)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.015)	ND (0.014)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.058)	ND (0.066)	ND (0.061)	ND (0.055)
Acenaphthene	98	NC	20	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.0095)
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.013)	ND (0.012)	0.0216 J
Acetophenone	NC	NC	NC	ND (0.0060)	ND (0.0069)	ND (0.0064)	ND (0.0058)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.011)
Atrazine	NC	NC	NC	ND (0.0067)	ND (0.0077)	ND (0.0071)	ND (0.0065)
Benzaldehyde	NC	NC	NC	ND (0.0079)	ND (0.0090)	ND (0.0083)	ND (0.0075)
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.013)	ND (0.012)	0.0388
Benzo[a]pyrene	1	NC	1	ND (0.010)	ND (0.012)	ND (0.011)	0.0476
Benzo[b]fluoranthene	1.7	NC	1	ND (0.011)	ND (0.013)	ND (0.012)	0.0361
Benzo[g,h,i]perylene	500	NC	100	ND (0.013)	ND (0.015)	ND (0.013)	0.043
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.015)	ND (0.014)	0.0307 J
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.015)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.0099)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.0097)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.030)	ND (0.035)	ND (0.032)	ND (0.029)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.023)	ND (0.021)	ND (0.019)
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.010)
Carbazole	NC	NC	NC	ND (0.016)	ND (0.018)	ND (0.017)	ND (0.015)
Chrysene	1	NC	1	ND (0.012)	ND (0.013)	ND (0.012)	0.043
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.011)
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.0097)
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	0.0476 JB	0.0753 B	ND (0.012)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0076)	ND (0.0087)	ND (0.0081)	ND (0.0073)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.019)	ND (0.018)	ND (0.016)
Fluoranthene	500	NC	100	ND (0.015)	ND (0.017)	ND (0.016)	0.0472
Fluorene	386	NC	30	ND (0.011)	ND (0.013)	ND (0.012)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.013)	ND (0.012)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0095)	ND (0.011)	ND (0.010)	ND (0.0091)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.040)	ND (0.037)	ND (0.033)
Hexachloroethane	NC	NC	NC	ND (0.0095)	ND (0.011)	ND (0.010)	ND (0.0091)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.012)	ND (0.014)	ND (0.013)	0.0315 J
Isophorone	NC	1,000	NC	ND (0.0092)	ND (0.011)	ND (0.0098)	ND (0.0088)
Naphthalene	12	NC	12	ND (0.0093)	ND (0.011)	ND (0.0099)	ND (0.0089)
Nitrobenzene	NC	140	NC	ND (0.0099)	ND (0.011)	ND (0.010)	ND (0.0095)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0084)	ND (0.0096)	ND (0.0088)	ND (0.0080)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.020)	ND (0.023)	ND (0.022)	ND (0.020)
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.067)	ND (0.062)	ND (0.056)
Phenanthrene	500	NC	100	ND (0.016)	ND (0.018)	ND (0.017)	0.0282 J
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.041)	ND (0.038)	ND (0.034)
Pyrene	500	NC	100	0.016 J	ND (0.015)	ND (0.014)	0.0769
Total TIC, Semi-Volatile	NC	NC	NC	NA	NA	NA	0.83 J
Total Alkanes	NC	NC	NC	NA	NA	2.13 J	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

				Bayshore Screening Pile - Soil 10	Bayshore Screening Pile - Soil 11	Bayshore Screening Pile - Soil 12	Bayshore Screening Pile - Soil 13
SAMPLE ID:				JB19431-10A	JB19431-11A	JB19431-12A	JB19431-13A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
UNITS:				Result	Result	Result	Result
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0043)	ND (0.0043)	ND (0.0042)	ND (0.0037)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.038)	ND (0.038)	ND (0.037)	ND (0.033)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.043)	ND (0.043)	ND (0.042)	ND (0.037)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.034)	ND (0.030)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.059)	ND (0.060)	ND (0.058)	ND (0.052)
2,4-Dimethylphenol	NC	NC	NC	ND (0.062)	ND (0.062)	ND (0.061)	ND (0.054)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.045)	ND (0.045)	ND (0.044)	ND (0.039)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.012)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.0099)
2-Chlorophenol	NC	1,000	NC	ND (0.037)	ND (0.038)	ND (0.037)	ND (0.032)
2-Methylnaphthalene	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.018)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.042)	ND (0.042)	ND (0.041)	ND (0.037)
2-Nitroaniline	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.014)
2-Nitrophenol	NC	NC	NC	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.034)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.047)	ND (0.047)	ND (0.046)	ND (0.041)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0093)	ND (0.0094)	ND (0.0092)	ND (0.0081)
3-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.045)	ND (0.045)	ND (0.044)	ND (0.039)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.032)
4-Chloroaniline	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.010)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0096)
4-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.062)	ND (0.063)	ND (0.061)	ND (0.054)
Acenaphthene	98	NC	20	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0093)
Acenaphthylene	107	NC	100	ND (0.012)	ND (0.012)	ND (0.012)	0.0265 J
Acetophenone	NC	NC	NC	ND (0.0065)	ND (0.0065)	ND (0.0064)	ND (0.0056)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.013)	ND (0.013)	ND (0.013)	0.017 J
Atrazine	NC	NC	NC	ND (0.0073)	ND (0.0073)	ND (0.0071)	ND (0.0063)
Benzaldehyde	NC	NC	NC	ND (0.0085)	ND (0.0085)	ND (0.0083)	ND (0.0074)
Benzo[a]anthracene	1	NC	1	0.0312 J	ND (0.012)	0.0148 J	0.0627
Benzo[a]pyrene	1	NC	1	0.0285 J	ND (0.011)	ND (0.011)	0.0643
Benzo[b]fluoranthene	1.7	NC	1	0.0326 J	ND (0.012)	ND (0.012)	0.0527
Benzo[g,h,i]perylene	500	NC	100	0.0233 J	ND (0.014)	ND (0.013)	0.0473
Benzo[k]fluoranthene	1.7	NC	0.8	0.0155 J	ND (0.014)	ND (0.014)	0.0437
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0096)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0095)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.032)	ND (0.033)	ND (0.032)	ND (0.028)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.019)
Caprolactam	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.010)
Carbazole	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.015)
Chrysene	1	NC	1	0.0307 J	ND (0.013)	0.0148 J	0.0615
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.013)	ND (0.013)	ND (0.012)	0.014 J
Dibenzofuran	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0095)
Diethyl phthalate	NC	1,000	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	0.0395 JB	0.0921 B	0.0532 JB	0.0424 JB
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0082)	ND (0.0082)	ND (0.0080)	ND (0.0071)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.016)
Fluoranthene	500	NC	100	0.0337 J	ND (0.016)	ND (0.016)	0.0729
Fluorene	386	NC	30	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.010)
Hexachlorobutadiene	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0089)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.038)	ND (0.038)	ND (0.037)	ND (0.033)
Hexachloroethane	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0089)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.0177 J	ND (0.013)	ND (0.013)	0.0379
Isophorone	NC	1,000	NC	ND (0.0099)	ND (0.010)	ND (0.0097)	ND (0.0086)
Naphthalene	12	NC	12	ND (0.010)	ND (0.010)	ND (0.0099)	ND (0.0087)
Nitrobenzene	NC	140	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0093)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0090)	ND (0.0091)	ND (0.0088)	ND (0.0078)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.019)
Pentachlorophenol	0.8	NC	0.8	ND (0.063)	ND (0.064)	ND (0.062)	ND (0.055)
Phenanthrene	500	NC	100	0.0173 J	ND (0.017)	ND (0.016)	0.0521
Phenol	0.33	NC	0.33	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.034)
Pyrene	500	NC	100	0.0483	ND (0.014)	0.0172 J	0.108
Total TIC, Semi-Volatile	NC	NC	NC	0.91 J	NA	0.51 J	3.22 J
Total Alkanes	NC	NC	NC	NA	NA	NA	0.16 J

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Bayshore Screening Pile - Soil 14	Bayshore Screening Pile - Soil 15	Former Raritan Arsenal Fill - Soil 1	Former Raritan Arsenal Fill - Soil 2
LAB ID:				JB19431-14A	JB19431-15A	JB19112-1A	JB19112-2A
COLLECTION DATE:				10/16/12	10/16/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0043)	ND (0.0040)	ND (0.0040)	ND (0.0039)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.038)	ND (0.035)	ND (0.036)	ND (0.035)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.043)	ND (0.040)	ND (0.040)	ND (0.039)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.034)	ND (0.032)	ND (0.032)	ND (0.032)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.059)	ND (0.055)	ND (0.056)	ND (0.054)
2,4-Dimethylphenol	NC	NC	NC	ND (0.062)	ND (0.058)	ND (0.058)	ND (0.057)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.045)	ND (0.042)	ND (0.042)	ND (0.041)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.015)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
2-Chlorophenol	NC	1,000	NC	ND (0.037)	ND (0.035)	ND (0.035)	ND (0.034)
2-Methylnaphthalene	NC	NC	NC	ND (0.020)	ND (0.019)	ND (0.019)	ND (0.019)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.042)	ND (0.039)	ND (0.039)	ND (0.039)
2-Nitroaniline	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.015)
2-Nitrophenol	NC	NC	NC	ND (0.039)	ND (0.036)	ND (0.037)	ND (0.036)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.047)	ND (0.044)	ND (0.044)	ND (0.043)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0093)	ND (0.0087)	ND (0.0088)	ND (0.0086)
3-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.045)	ND (0.042)	ND (0.042)	ND (0.041)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.037)	ND (0.034)	ND (0.035)	ND (0.034)
4-Chloroaniline	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
4-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.062)	ND (0.058)	ND (0.058)	ND (0.057)
Acenaphthene	98	NC	20	ND (0.011)	ND (0.0099)	ND (0.010)	ND (0.0098)
Acenaphthylene	107	NC	100	ND (0.012)	0.0246	J	ND (0.011)
Acetophenone	NC	NC	NC	ND (0.0065)	ND (0.0060)	ND (0.0061)	ND (0.0060)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.013)	0.0249	J	ND (0.012)
Atrazine	NC	NC	NC	ND (0.0072)	ND (0.0068)	ND (0.0068)	ND (0.0067)
Benzaldehyde	NC	NC	NC	ND (0.0084)	ND (0.0079)	ND (0.0080)	ND (0.0078)
Benzo[a]anthracene	1	NC	1	0.0272	J	0.0918	ND (0.011)
Benzo[a]pyrene	1	NC	1	0.0258	J	0.0904	ND (0.011)
Benzo[b]fluoranthene	1.7	NC	1	0.0263	J	0.101	ND (0.012)
Benzo[g,h,i]perylene	500	NC	100	0.0205	J	0.074	ND (0.013)
Benzo[k]fluoranthene	1.7	NC	0.8	0.0142	J	0.0554	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.032)	ND (0.030)	ND (0.031)	ND (0.030)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)
Caprolactam	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
Carbazole	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.016)
Chrysene	1	NC	1	0.0264	J	0.0984	ND (0.012)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.013)	0.0224	J	ND (0.012)
Dibenzofuran	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Diethyl phthalate	NC	1,000	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
Dimethyl phthalate	NC	1,000	NC	0.0398	JB	0.0768	B
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0081)	ND (0.0076)	ND (0.0077)	ND (0.0075)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.016)
Fluoranthene	500	NC	100	0.0326	J	0.145	ND (0.015)
Fluorene	386	NC	30	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.010)	ND (0.0095)	ND (0.0096)	ND (0.0094)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.037)	ND (0.035)	ND (0.035)	ND (0.034)
Hexachloroethane	NC	NC	NC	ND (0.010)	ND (0.0095)	ND (0.0096)	ND (0.0094)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.015	J	0.063	ND (0.012)
Isophorone	NC	1,000	NC	ND (0.0099)	ND (0.0092)	ND (0.0093)	ND (0.0091)
Naphthalene	12	NC	12	ND (0.010)	ND (0.0094)	ND (0.0094)	ND (0.0092)
Nitrobenzene	NC	140	NC	ND (0.011)	ND (0.0099)	ND (0.010)	ND (0.0098)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0090)	ND (0.0084)	ND (0.0084)	ND (0.0083)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.022)	ND (0.020)	ND (0.021)	ND (0.020)
Pentachlorophenol	0.8	NC	0.8	ND (0.063)	ND (0.059)	ND (0.059)	ND (0.058)
Phenanthrene	500	NC	100	0.0247	J	0.0964	ND (0.016)
Phenol	0.33	NC	0.33	ND (0.039)	ND (0.036)	ND (0.036)	ND (0.036)
Pyrene	500	NC	100	0.046		0.186	ND (0.013)
Total TIC, Semi-Volatile	NC	NC	NC	0.96	J	8.75	J
Total Alkanes	NC	NC	NC	NA		0.17	J

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 3	Former Raritan Arsenal Fill - Soil 4	Former Raritan Arsenal Fill - Soil 5	Former Raritan Arsenal Fill - Soil 6
LAB ID:				JB19112-3A	JB19112-4A	JB19112-5A	JB19112-6A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0036)	ND (0.0039)	ND (0.0037)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.0094)	ND (0.010)	ND (0.0099)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.036)	ND (0.032)	ND (0.034)	ND (0.033)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.036)	ND (0.039)	ND (0.037)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.032)	ND (0.029)	ND (0.031)	ND (0.030)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.056)	ND (0.049)	ND (0.054)	ND (0.052)
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.052)	ND (0.056)	ND (0.054)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.037)	ND (0.041)	ND (0.039)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.013)	ND (0.015)	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.0095)	ND (0.010)	ND (0.010)
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.031)	ND (0.034)	ND (0.033)
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.017)	ND (0.019)	ND (0.018)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.035)	ND (0.038)	ND (0.037)
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.014)
2-Nitrophenol	NC	NC	NC	ND (0.037)	ND (0.033)	ND (0.035)	ND (0.034)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.044)	ND (0.039)	ND (0.042)	ND (0.041)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0088)	ND (0.0078)	ND (0.0085)	ND (0.0082)
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.012)	ND (0.013)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.037)	ND (0.041)	ND (0.039)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.011)	ND (0.012)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.035)	ND (0.031)	ND (0.033)	ND (0.032)
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.010)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.0092)	ND (0.010)	ND (0.0097)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.058)	ND (0.052)	ND (0.056)	ND (0.054)
Acenaphthene	98	NC	20	ND (0.010)	ND (0.0089)	ND (0.0097)	ND (0.0093)
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.0098)	ND (0.011)	ND (0.010)
Acetophenone	NC	NC	NC	ND (0.0061)	ND (0.0054)	ND (0.0059)	ND (0.0057)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Atrazine	NC	NC	NC	ND (0.0068)	ND (0.0060)	ND (0.0066)	ND (0.0063)
Benzaldehyde	NC	NC	NC	ND (0.0079)	ND (0.0071)	ND (0.0077)	ND (0.0074)
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.011)
Benzo[a]pyrene	1	NC	1	ND (0.011)	ND (0.0094)	ND (0.010)	ND (0.0098)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.011)
Benzo[g,h,i]perylene	500	NC	100	ND (0.013)	ND (0.011)	ND (0.012)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.012)	ND (0.013)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.0092)	ND (0.010)	ND (0.0097)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.0091)	ND (0.0099)	ND (0.0096)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.030)	ND (0.027)	ND (0.029)	ND (0.028)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.018)	ND (0.019)	ND (0.019)
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.0097)	ND (0.011)	ND (0.010)
Carbazole	NC	NC	NC	ND (0.016)	ND (0.014)	ND (0.015)	ND (0.015)
Chrysene	1	NC	1	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.011)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.011)
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.0091)	ND (0.0099)	ND (0.0096)
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0077)	ND (0.0068)	ND (0.0074)	ND (0.0072)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.015)	ND (0.016)	ND (0.016)
Fluoranthene	500	NC	100	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.014)
Fluorene	386	NC	30	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0096)	ND (0.0085)	ND (0.0093)	ND (0.0090)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.031)	ND (0.034)	ND (0.033)
Hexachloroethane	NC	NC	NC	ND (0.0096)	ND (0.0085)	ND (0.0093)	ND (0.0090)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Isophorone	NC	1,000	NC	ND (0.0093)	ND (0.0083)	ND (0.0090)	ND (0.0087)
Naphthalene	12	NC	12	ND (0.0094)	ND (0.0084)	ND (0.0091)	ND (0.0088)
Nitrobenzene	NC	140	NC	ND (0.010)	ND (0.0089)	ND (0.0096)	ND (0.0093)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0084)	ND (0.0075)	ND (0.0081)	ND (0.0079)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.021)	ND (0.018)	ND (0.020)	ND (0.019)
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.052)	ND (0.057)	ND (0.055)
Phenanthrene	500	NC	100	ND (0.016)	ND (0.014)	ND (0.015)	ND (0.015)
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.032)	ND (0.035)	ND (0.034)
Pyrene	500	NC	100	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)
Total TIC, Semi-Volatile	NC	NC	NC	NA	NA	NA	NA
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 7	Former Raritan Arsenal Fill - Soil 8	Former Raritan Arsenal Fill - Soil 9	Former Raritan Arsenal Fill - Soil 10
LAB ID:				JB19112-7A	JB19112-8A	JB19112-9A	JB19112-10A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	ND (0.0035)	ND (0.0035)	ND (0.0035)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0099)	ND (0.0093)	ND (0.0092)	ND (0.0092)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.031)	ND (0.031)	ND (0.031)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.035)	ND (0.035)	ND (0.035)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.028)	ND (0.028)	ND (0.028)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.052)	ND (0.049)	ND (0.048)	ND (0.048)
2,4-Dimethylphenol	NC	NC	NC	ND (0.054)	ND (0.051)	ND (0.050)	ND (0.050)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.039)	ND (0.037)	ND (0.036)	ND (0.036)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
2-Chloronaphthalene	NC	NC	NC	ND (0.010)	ND (0.0094)	ND (0.0093)	ND (0.0093)
2-Chlorophenol	NC	1,000	NC	ND (0.033)	ND (0.030)	ND (0.030)	ND (0.030)
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.017)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.037)	ND (0.034)	ND (0.034)	ND (0.034)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.032)	ND (0.032)	ND (0.032)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.041)	ND (0.038)	ND (0.038)	ND (0.038)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0082)	ND (0.0077)	ND (0.0076)	ND (0.0076)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.039)	ND (0.037)	ND (0.036)	ND (0.036)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.030)	ND (0.030)	ND (0.030)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.0097)	ND (0.0096)	ND (0.0096)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0097)	ND (0.0091)	ND (0.0090)	ND (0.0090)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.055)	ND (0.051)	ND (0.051)	ND (0.051)
Acenaphthene	98	NC	20	ND (0.0094)	ND (0.0088)	ND (0.0087)	ND (0.0087)
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.0097)	ND (0.0096)	ND (0.0096)
Acetophenone	NC	NC	NC	ND (0.0057)	ND (0.0053)	ND (0.0053)	ND (0.0053)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)
Atrazine	NC	NC	NC	ND (0.0064)	ND (0.0059)	ND (0.0059)	ND (0.0059)
Benzaldehyde	NC	NC	NC	ND (0.0074)	ND (0.0069)	ND (0.0069)	ND (0.0069)
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.0098)	ND (0.0098)	ND (0.0097)
Benzo[a]pyrene	1	NC	1	ND (0.0099)	ND (0.0092)	ND (0.0091)	ND (0.0091)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Benzo[g,h,i]perylene	500	NC	100	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0097)	ND (0.0091)	ND (0.0090)	ND (0.0090)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0096)	ND (0.0090)	ND (0.0089)	ND (0.0089)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.029)	ND (0.027)	ND (0.026)	ND (0.026)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.019)	ND (0.017)	ND (0.017)	ND (0.017)
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.0095)	ND (0.0094)	ND (0.0094)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
Chrysene	1	NC	1	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Dibenzofuran	NC	NC	NC	ND (0.0096)	ND (0.0090)	ND (0.0089)	ND (0.0089)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Dimethyl phthalate	NC	1,000	NC	0.0786	ND (0.011)	0.0334	0.033
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0072)	ND (0.0067)	ND (0.0066)	ND (0.0066)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.015)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)
Fluorene	386	NC	30	ND (0.011)	ND (0.0099)	ND (0.0098)	ND (0.0098)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.0098)	ND (0.0098)	ND (0.0097)
Hexachlorobutadiene	NC	NC	NC	ND (0.0090)	ND (0.0084)	ND (0.0083)	ND (0.0083)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.033)	ND (0.031)	ND (0.031)	ND (0.031)
Hexachloroethane	NC	NC	NC	ND (0.0090)	ND (0.0084)	ND (0.0083)	ND (0.0083)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)
Isophorone	NC	1,000	NC	ND (0.0087)	ND (0.0081)	ND (0.0080)	ND (0.0080)
Naphthalene	12	NC	12	ND (0.0088)	ND (0.0082)	ND (0.0082)	ND (0.0082)
Nitrobenzene	NC	140	NC	ND (0.0093)	ND (0.0087)	ND (0.0086)	ND (0.0086)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0079)	ND (0.0074)	ND (0.0073)	ND (0.0073)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.018)	ND (0.018)	ND (0.018)
Pentachlorophenol	0.8	NC	0.8	ND (0.055)	ND (0.052)	ND (0.051)	ND (0.051)
Phenanthrene	500	NC	100	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
Phenol	0.33	NC	0.33	ND (0.034)	ND (0.032)	ND (0.031)	ND (0.031)
Pyrene	500	NC	100	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
Total TIC, Semi-Volatile	NC	NC	NC	NA	0.49	0.31	NA
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

				Former Raritan Arsenal Fill - Soil 11	Former Raritan Arsenal Fill - Soil 12	Former Raritan Arsenal Fill - Soil 13	Former Raritan Arsenal Fill - Soil 14
SAMPLE ID:				JB19112-11A	JB19112-12A	JB19112-13A	JB19112-14A
LAB ID:				JB19112-11A	JB19112-12A	JB19112-13A	JB19112-14A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0038)	ND (0.0035)	ND (0.0037)	ND (0.0034)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.010)	ND (0.0092)	ND (0.0098)	ND (0.0091)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.031)	ND (0.033)	ND (0.031)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.038)	ND (0.035)	ND (0.037)	ND (0.034)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.028)	ND (0.030)	ND (0.028)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.052)	ND (0.048)	ND (0.051)	ND (0.048)
2,4-Dimethylphenol	NC	NC	NC	ND (0.054)	ND (0.051)	ND (0.054)	ND (0.050)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.040)	ND (0.037)	ND (0.039)	ND (0.036)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.013)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
2-Chloronaphthalene	NC	NC	NC	ND (0.010)	ND (0.0093)	ND (0.0099)	ND (0.0092)
2-Chlorophenol	NC	1,000	NC	ND (0.033)	ND (0.030)	ND (0.032)	ND (0.030)
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.017)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.037)	ND (0.034)	ND (0.036)	ND (0.034)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.013)
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.032)	ND (0.034)	ND (0.031)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.041)	ND (0.038)	ND (0.041)	ND (0.038)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0082)	ND (0.0076)	ND (0.0081)	ND (0.0075)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.040)	ND (0.037)	ND (0.039)	ND (0.036)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.030)	ND (0.032)	ND (0.030)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.0096)	ND (0.010)	ND (0.0095)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0098)	ND (0.0091)	ND (0.0096)	ND (0.0089)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.055)	ND (0.051)	ND (0.054)	ND (0.050)
Acenaphthene	98	NC	20	ND (0.0094)	ND (0.0087)	ND (0.0093)	ND (0.0086)
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.0096)	ND (0.010)	ND (0.0095)
Acetophenone	NC	NC	NC	ND (0.0057)	ND (0.0053)	ND (0.0056)	ND (0.0052)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Atrazine	NC	NC	NC	ND (0.0064)	ND (0.0059)	ND (0.0063)	ND (0.0059)
Benzaldehyde	NC	NC	NC	ND (0.0075)	ND (0.0069)	ND (0.0073)	ND (0.0068)
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.0098)	ND (0.010)	ND (0.0097)
Benzo[a]pyrene	1	NC	1	ND (0.0099)	ND (0.0092)	ND (0.0097)	ND (0.0091)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.0099)
Benzo[g,h,i]perylene	500	NC	100	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0098)	ND (0.0091)	ND (0.0096)	ND (0.0089)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0096)	ND (0.0089)	ND (0.0095)	ND (0.0088)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.029)	ND (0.027)	ND (0.028)	ND (0.026)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.019)	ND (0.017)	ND (0.018)	ND (0.017)
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.0095)	ND (0.010)	ND (0.0094)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.014)
Chrysene	1	NC	1	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.010)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.010)
Dibenzofuran	NC	NC	NC	ND (0.0096)	ND (0.0089)	ND (0.0095)	ND (0.0088)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.010)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	0.061	ND (0.011)	ND (0.010)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0072)	ND (0.0067)	ND (0.0071)	ND (0.0066)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.014)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.013)
Fluorene	386	NC	30	ND (0.011)	ND (0.0099)	ND (0.010)	ND (0.0097)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.0098)	ND (0.010)	ND (0.0097)
Hexachlorobutadiene	NC	NC	NC	ND (0.0090)	ND (0.0084)	ND (0.0089)	ND (0.0083)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.033)	ND (0.031)	ND (0.033)	ND (0.030)
Hexachloroethane	NC	NC	NC	ND (0.0090)	ND (0.0084)	ND (0.0089)	ND (0.0083)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.010)
Isophorone	NC	1,000	NC	ND (0.0087)	ND (0.0081)	ND (0.0086)	ND (0.0080)
Naphthalene	12	NC	12	ND (0.0089)	ND (0.0082)	ND (0.0087)	ND (0.0081)
Nitrobenzene	NC	140	NC	ND (0.0094)	ND (0.0087)	ND (0.0092)	ND (0.0086)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0079)	ND (0.0073)	ND (0.0078)	ND (0.0073)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.018)
Pentachlorophenol	0.8	NC	0.8	ND (0.055)	ND (0.051)	ND (0.055)	ND (0.051)
Phenanthrene	500	NC	100	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.014)
Phenol	0.33	NC	0.33	ND (0.034)	ND (0.032)	ND (0.034)	ND (0.031)
Pyrene	500	NC	100	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Total TIC, Semi-Volatile	NC	NC	NC	0.13	NA	NA	NA
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 15	Former Raritan Arsenal Fill - Soil 16	Former Raritan Arsenal Fill - Soil 17	Former Raritan Arsenal Fill - Soil 18
LAB ID:				JB19112-15A	JB19112-16A	JB19112-17A	JB19112-18A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0034)	ND (0.0036)	ND (0.0035)	ND (0.0037)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0091)	ND (0.0096)	ND (0.0093)	ND (0.0099)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.033)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.034)	ND (0.036)	ND (0.035)	ND (0.037)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.030)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.048)	ND (0.050)	ND (0.049)	ND (0.052)
2,4-Dimethylphenol	NC	NC	NC	ND (0.050)	ND (0.052)	ND (0.051)	ND (0.054)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.036)	ND (0.038)	ND (0.037)	ND (0.039)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)
2-Chloronaphthalene	NC	NC	NC	ND (0.0092)	ND (0.0097)	ND (0.0094)	ND (0.010)
2-Chlorophenol	NC	1,000	NC	ND (0.030)	ND (0.031)	ND (0.031)	ND (0.033)
2-Methylnaphthalene	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.018)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.034)	ND (0.036)	ND (0.035)	ND (0.037)
2-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)
2-Nitrophenol	NC	NC	NC	ND (0.031)	ND (0.033)	ND (0.032)	ND (0.034)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.038)	ND (0.040)	ND (0.038)	ND (0.041)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0075)	ND (0.0079)	ND (0.0077)	ND (0.0082)
3-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.036)	ND (0.038)	ND (0.037)	ND (0.039)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.030)	ND (0.031)	ND (0.030)	ND (0.032)
4-Chloroaniline	NC	1,000	NC	ND (0.0095)	ND (0.010)	ND (0.0097)	ND (0.010)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0089)	ND (0.0094)	ND (0.0091)	ND (0.0097)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.050)	ND (0.053)	ND (0.051)	ND (0.055)
Acenaphthene	98	NC	20	ND (0.0086)	ND (0.0090)	ND (0.0088)	ND (0.0094)
Acenaphthylene	107	NC	100	ND (0.0095)	ND (0.010)	ND (0.0097)	ND (0.010)
Acetophenone	NC	NC	NC	ND (0.0052)	ND (0.0055)	ND (0.0053)	ND (0.0057)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Atrazine	NC	NC	NC	ND (0.0058)	ND (0.0061)	ND (0.0060)	ND (0.0064)
Benzaldehyde	NC	NC	NC	ND (0.0068)	ND (0.0072)	ND (0.0070)	ND (0.0074)
Benzo[a]anthracene	1	NC	1	ND (0.0097)	ND (0.010)	ND (0.0099)	ND (0.011)
Benzo[a]pyrene	1	NC	1	ND (0.0090)	ND (0.0095)	ND (0.0092)	ND (0.0098)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.0099)	ND (0.010)	ND (0.010)	ND (0.011)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0089)	ND (0.0094)	ND (0.0091)	ND (0.0097)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0088)	ND (0.0093)	ND (0.0090)	ND (0.0096)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.026)	ND (0.028)	ND (0.027)	ND (0.028)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.019)
Caprolactam	NC	NC	NC	ND (0.0093)	ND (0.0098)	ND (0.0095)	ND (0.010)
Carbazole	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
Chrysene	1	NC	1	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
Dibenzofuran	NC	NC	NC	ND (0.0088)	ND (0.0093)	ND (0.0090)	ND (0.0096)
Diethyl phthalate	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0066)	ND (0.0069)	ND (0.0067)	ND (0.0072)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.016)
Fluoranthene	500	NC	100	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)
Fluorene	386	NC	30	ND (0.0097)	ND (0.010)	ND (0.0099)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.0097)	ND (0.010)	ND (0.0099)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0082)	ND (0.0087)	ND (0.0084)	ND (0.0090)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.030)	ND (0.032)	ND (0.031)	ND (0.033)
Hexachloroethane	NC	NC	NC	ND (0.0082)	ND (0.0087)	ND (0.0084)	ND (0.0090)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Isophorone	NC	1,000	NC	ND (0.0080)	ND (0.0084)	ND (0.0082)	ND (0.0087)
Naphthalene	12	NC	12	ND (0.0081)	ND (0.0085)	ND (0.0083)	ND (0.0088)
Nitrobenzene	NC	140	NC	ND (0.0086)	ND (0.0090)	ND (0.0088)	ND (0.0093)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0072)	ND (0.0076)	ND (0.0074)	ND (0.0079)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.018)	ND (0.019)	ND (0.018)	ND (0.019)
Pentachlorophenol	0.8	NC	0.8	ND (0.051)	ND (0.053)	ND (0.052)	ND (0.055)
Phenanthrene	500	NC	100	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.015)
Phenol	0.33	NC	0.33	ND (0.031)	ND (0.033)	ND (0.032)	ND (0.034)
Pyrene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)
Total TIC, Semi-Volatile	NC	NC	NC	NA	NA	NA	NA
Total Alkanes	NC	NC	NC	NA	NA	NA	NA

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

				Former Raritan Arsenal Fill - Soil 19	Liberty Stone I-78 Soil 1	Liberty Stone I-78 Soil 2	Liberty Stone I-78 Soil 3
SAMPLE ID:				JB19112-19A	JB18892-1A	JB18892-2A	JB18892-3A
LAB ID:				10/12/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:				Result	Result	Result	Result
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0036)	ND (0.0041)	ND (0.0036)	ND (0.0036)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.0096)	ND (0.0095)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.032)	ND (0.037)	ND (0.032)	ND (0.032)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.036)	ND (0.041)	ND (0.036)	ND (0.036)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.029)	ND (0.033)	ND (0.029)	ND (0.029)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.050)	ND (0.057)	ND (0.050)	ND (0.050)
2,4-Dimethylphenol	NC	NC	NC	ND (0.052)	ND (0.060)	ND (0.053)	ND (0.052)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.038)	ND (0.043)	ND (0.038)	ND (0.038)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.012)	ND (0.012)
2-Chloronaphthalene	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.0097)	ND (0.0096)
2-Chlorophenol	NC	1,000	NC	ND (0.031)	ND (0.036)	ND (0.032)	ND (0.031)
2-Methylnaphthalene	NC	NC	NC	ND (0.017)	ND (0.020)	ND (0.017)	ND (0.017)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.035)	ND (0.041)	ND (0.036)	ND (0.035)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.014)
2-Nitrophenol	NC	NC	NC	ND (0.033)	ND (0.038)	ND (0.033)	ND (0.033)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.045)	ND (0.040)	ND (0.039)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0079)	ND (0.0090)	ND (0.0079)	ND (0.0079)
3-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.012)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.038)	ND (0.043)	ND (0.038)	ND (0.038)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.031)	ND (0.036)	ND (0.031)	ND (0.031)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.0099)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0094)	ND (0.011)	ND (0.0094)	ND (0.0093)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.012)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.053)	ND (0.060)	ND (0.053)	ND (0.052)
Acenaphthene	98	NC	20	ND (0.0090)	ND (0.010)	ND (0.0091)	ND (0.0090)
Acenaphthylene	107	NC	100	ND (0.010)	0.0235	J	ND (0.010)
Acetophenone	NC	NC	NC	ND (0.0055)	ND (0.0063)	ND (0.0055)	ND (0.0055)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	0.0385	ND (0.011)	ND (0.011)
Atrazine	NC	NC	NC	ND (0.0061)	ND (0.0070)	ND (0.0062)	ND (0.0061)
Benzaldehyde	NC	NC	NC	ND (0.0072)	ND (0.0082)	ND (0.0072)	ND (0.0071)
Benzo[a]anthracene	1	NC	1	ND (0.010)	0.0262	J	0.0435
Benzo[a]pyrene	1	NC	1	ND (0.0095)	0.137	J	0.0507
Benzo[b]fluoranthene	1.7	NC	1	ND (0.010)	0.173	0.0352	0.0609
Benzo[g,h,i]perylene	500	NC	100	ND (0.012)	0.105	0.0269	J
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	0.0613	0.0128	J
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0094)	ND (0.011)	ND (0.0094)	ND (0.0093)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0092)	ND (0.011)	ND (0.0093)	ND (0.0092)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.027)	ND (0.031)	ND (0.028)	ND (0.027)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.021)	ND (0.018)	ND (0.018)
Caprolactam	NC	NC	NC	ND (0.0098)	ND (0.011)	ND (0.0099)	ND (0.0098)
Carbazole	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.014)
Chrysene	1	NC	1	ND (0.011)	0.15	0.0293	J
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.011)	0.0236	J	ND (0.011)
Dibenzofuran	NC	NC	NC	ND (0.0092)	ND (0.011)	ND (0.0093)	ND (0.0092)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	0.0925	0.0447	J
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0069)	ND (0.0079)	ND (0.0069)	ND (0.0069)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.017)	ND (0.015)	ND (0.015)
Fluoranthene	500	NC	100	ND (0.014)	0.196	0.0311	0.0782
Fluorene	386	NC	30	ND (0.010)	ND (0.012)	ND (0.010)	ND (0.010)
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.012)	ND (0.010)	ND (0.010)
Hexachlorobutadiene	NC	NC	NC	ND (0.0087)	ND (0.0099)	ND (0.0087)	ND (0.0086)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.032)	ND (0.036)	ND (0.032)	ND (0.032)
Hexachloroethane	NC	NC	NC	ND (0.0087)	ND (0.0099)	ND (0.0087)	ND (0.0086)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.011)	0.0869	0.0173	J
Isophorone	NC	1,000	NC	ND (0.0084)	ND (0.0096)	ND (0.0084)	ND (0.0084)
Naphthalene	12	NC	12	ND (0.0085)	ND (0.0097)	ND (0.0085)	ND (0.0085)
Nitrobenzene	NC	140	NC	ND (0.0090)	ND (0.010)	ND (0.0090)	ND (0.0090)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0076)	ND (0.0087)	ND (0.0076)	ND (0.0076)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.021)	ND (0.019)	ND (0.019)
Pentachlorophenol	0.8	NC	0.8	ND (0.053)	ND (0.061)	ND (0.053)	ND (0.053)
Phenanthrene	500	NC	100	ND (0.014)	0.102	ND (0.014)	0.0346
Phenol	0.33	NC	0.33	ND (0.033)	ND (0.037)	ND (0.033)	ND (0.033)
Pyrene	500	NC	100	ND (0.012)	0.236	0.0458	0.0976
Total TIC, Semi-Volatile	NC	NC	NC	NA	1.49	J	0.43
Total Alkanes	NC	NC	NC	NA	0	0	0

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Liberty Stone I-78 Soil 4	Liberty Stone I-78 Soil 5	Liberty Stone I-78 Soil 6	Liberty Stone I-78 Soil 7	
LAB ID:				JB18892-4A	JB18892-5A	JB18892-6A	JB18892-7A	
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12	
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0039)	ND (0.0037)	ND (0.0037)	
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.0098)	ND (0.0098)	
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.033)	ND (0.033)	
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.039)	ND (0.037)	ND (0.037)	
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.030)	ND (0.030)	
2,4-Dichlorophenol	NC	1,000	NC	ND (0.055)	ND (0.054)	ND (0.051)	ND (0.052)	
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.057)	ND (0.054)	ND (0.054)	
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.041)	ND (0.039)	ND (0.039)	
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.014)	
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.012)	
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.0099)	ND (0.0099)	
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.034)	ND (0.032)	ND (0.032)	
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.018)	
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.039)	ND (0.036)	ND (0.037)	
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.014)	
2-Nitrophenol	NC	NC	NC	ND (0.036)	ND (0.036)	ND (0.034)	ND (0.034)	
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.044)	ND (0.043)	ND (0.040)	ND (0.041)	
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0087)	ND (0.0086)	ND (0.0081)	ND (0.0081)	
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.013)	
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.041)	ND (0.039)	ND (0.039)	
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.034)	ND (0.034)	ND (0.032)	ND (0.032)	
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)	
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0096)	ND (0.0096)	
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.012)	
4-Nitrophenol	NC	NC	NC	ND (0.058)	ND (0.057)	ND (0.054)	ND (0.054)	
Acenaphthene	98	NC	20	ND (0.010)	ND (0.0098)	ND (0.0092)	ND (0.0093)	
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)	
Acetophenone	NC	NC	NC	ND (0.0060)	ND (0.0060)	ND (0.0056)	ND (0.0056)	
Aniline	NC	1,000	NC	NA	NA	NA	NA	
Anthracene	500	NC	100	ND (0.012)	ND (0.012)	0.0183	J 0.0143	J
Atrazine	NC	NC	NC	ND (0.0068)	ND (0.0067)	ND (0.0063)	ND (0.0063)	
Benzaldehyde	NC	NC	NC	ND (0.0079)	ND (0.0078)	ND (0.0073)	ND (0.0074)	
Benzo[a]anthracene	1	NC	1	0.0449	0.0271	J 0.0501	0.0375	
Benzo[a]pyrene	1	NC	1	0.0418	0.0229	J 0.0447	0.0385	
Benzo[b]fluoranthene	1.7	NC	1	0.0572	0.0257	J 0.0581	0.0441	
Benzo[g,h,i]perylene	500	NC	100	0.0289	J 0.0169	J 0.0296	J 0.028	J
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	0.0134	J 0.013	J 0.0149	J
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA	
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.013)	
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0096)	ND (0.0096)	
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0095)	ND (0.0095)	
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.028)	ND (0.028)	
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.020)	ND (0.018)	ND (0.019)	
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)	
Carbazole	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.015)	
Chrysene	1	NC	1	0.0556	0.0285	J 0.0545	0.0448	
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)	
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0095)	ND (0.0095)	
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)	
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.011)	0.0408	J
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0076)	ND (0.0075)	ND (0.0071)	ND (0.0071)	
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.016)	
Fluoranthene	500	NC	100	0.0756	0.0361	0.0913	0.062	
Fluorene	386	NC	30	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)	
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.010)	
Hexachlorobutadiene	NC	NC	NC	ND (0.0095)	ND (0.0094)	ND (0.0089)	ND (0.0089)	
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.032)	ND (0.033)	
Hexachloroethane	NC	NC	NC	ND (0.0095)	ND (0.0094)	ND (0.0089)	ND (0.0089)	
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.0233	J 0.0154	J 0.0239	J 0.0219	J
Isophorone	NC	1,000	NC	ND (0.0092)	ND (0.0091)	ND (0.0086)	ND (0.0086)	
Naphthalene	12	NC	12	ND (0.0094)	ND (0.0092)	ND (0.0087)	ND (0.0087)	
Nitrobenzene	NC	140	NC	ND (0.0099)	ND (0.0098)	ND (0.0092)	ND (0.0093)	
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0084)	ND (0.0083)	ND (0.0078)	ND (0.0078)	
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.019)	
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.058)	ND (0.054)	ND (0.055)	
Phenanthrene	500	NC	100	0.0416	0.0194	0.0685	0.0422	
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.036)	ND (0.033)	ND (0.034)	
Pyrene	500	NC	100	0.1	0.0562	0.0985	0.0795	
Total TIC, Semi-Volatile	NC	NC	NC	0.19	J 0.15	J 0.42	J 1.12	J
Total Alkanes	NC	NC	NC	0	0.39	J 0.14	J 0.58	J

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Liberty Stone I-78 Soil 8	Liberty Stone I-78 Soil 9	Liberty Stone I-78 Soil 10	Liberty Stone I-78 Soil 11				
LAB ID:				JB18892-8A	JB18892-9A	JB18892-10A	JB18892-11A				
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12				
SAMPLE MATRIX:				Soil	Soil	Soil	Soil				
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg				
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result				
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	0.0574	J	ND (0.0037)	ND (0.0037)			
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0099)	ND (0.0098)		ND (0.0099)	ND (0.0099)			
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.033)		ND (0.033)	ND (0.033)			
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.037)		ND (0.037)	ND (0.037)			
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.030)		ND (0.030)	ND (0.030)			
2,4-Dichlorophenol	NC	1,000	NC	ND (0.052)	ND (0.051)		ND (0.052)	ND (0.052)			
2,4-Dimethylphenol	NC	NC	NC	ND (0.054)	ND (0.053)		ND (0.054)	ND (0.054)			
2,4-Dinitrophenol	NC	1,000	NC	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.039)			
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.014)		ND (0.014)	ND (0.014)			
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.012)		ND (0.012)	ND (0.012)			
2-Chloronaphthalene	NC	NC	NC	ND (0.010)	ND (0.0099)		ND (0.010)	ND (0.0099)			
2-Chlorophenol	NC	1,000	NC	ND (0.033)	ND (0.032)		ND (0.032)	ND (0.032)			
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	0.18		ND (0.018)	ND (0.018)			
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.037)	ND (0.036)		ND (0.037)	ND (0.037)			
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)		ND (0.014)	ND (0.014)			
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.034)		ND (0.034)	ND (0.034)			
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.041)	ND (0.040)		ND (0.041)	ND (0.041)			
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0082)	ND (0.0081)		ND (0.0082)	ND (0.0082)			
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)		ND (0.013)	ND (0.013)			
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.039)	ND (0.039)		ND (0.039)	ND (0.039)			
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.012)		ND (0.012)	ND (0.012)			
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.032)		ND (0.032)	ND (0.032)			
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.010)		ND (0.010)	ND (0.010)			
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0097)	ND (0.0096)		ND (0.0097)	ND (0.0097)			
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.012)		ND (0.013)	ND (0.013)			
4-Nitrophenol	NC	NC	NC	ND (0.054)	ND (0.054)		ND (0.054)	ND (0.054)			
Acenaphthene	98	NC	20	ND (0.0093)	0.232		ND (0.0093)	ND (0.0093)			
Acenaphthylene	107	NC	100	0.0342	0.0237	J	ND (0.010)	ND (0.010)			
Acetophenone	NC	NC	NC	ND (0.0057)	ND (0.0056)		ND (0.0057)	ND (0.0056)			
Aniline	NC	1,000	NC	NA	NA		NA	NA			
Anthracene	500	NC	100	0.0444	0.614		0.0144	J	ND (0.011)		
Atrazine	NC	NC	NC	ND (0.0063)	ND (0.0063)		ND (0.0063)	ND (0.0063)			
Benzaldehyde	NC	NC	NC	ND (0.0074)	ND (0.0073)		ND (0.0074)	ND (0.0074)			
Benzo[a]anthracene	1	NC	1	0.136	0.807		0.0226	J	0.0304	J	
Benzo[a]pyrene	1	NC	1	0.132	0.619		0.021	J	0.0246	J	
Benzo[b]fluoranthene	1.7	NC	1	0.163	0.713		0.0245	J	0.0342		
Benzo[g,h,i]perylene	500	NC	100	0.0766	0.292		0.0172	J	0.0241	J	
Benzo[k]fluoranthene	1.7	NC	0.8	0.0532	0.249		ND (0.012)		0.013	J	
Benzoic Acid	NC	1,000	NC	NA	NA		NA		NA		
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.013)		ND (0.013)		ND (0.013)		
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0097)	ND (0.0096)		ND (0.0097)		ND (0.0097)		
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0096)	ND (0.0095)		ND (0.0095)		ND (0.0095)		
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	0.071		ND (0.028)		ND (0.028)		
Butyl benzyl phthalate	NC	1,000	NC	ND (0.019)	ND (0.018)		ND (0.019)		ND (0.019)		
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.010)		ND (0.010)		ND (0.010)		
Carbazole	NC	NC	NC	0.0311	J	0.328	ND (0.015)		ND (0.015)		
Chrysene	1	NC	1	0.177	0.848		0.0213	J	0.0288	J	
Dibenz(a,h)anthracene	0.56	NC	0.33	0.0195	J	0.0911	ND (0.011)		ND (0.011)		
Dibenzofuran	NC	NC	NC	ND (0.0096)		0.345	ND (0.0095)		ND (0.0095)		
Diethyl phthalate	NC	1,000	NC	ND (0.011)		ND (0.011)	ND (0.011)		ND (0.011)		
Dimethyl phthalate	NC	1,000	NC	0.0392	J	0.0424	J	0.0485	J	0.0484	J
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0071)		ND (0.0071)	ND (0.0071)		ND (0.0071)		
Di-n-octyl phthalate	NC	1,000	NC	ND (0.016)		ND (0.016)	ND (0.016)		ND (0.016)		
Fluoranthene	500	NC	100	0.306		1.95	0.0349		0.0445		
Fluorene	386	NC	30	0.0231	J	0.362	ND (0.011)		ND (0.011)		
Hexachlorobenzene	3.2	NC	NC	ND (0.010)		ND (0.010)	ND (0.010)		ND (0.010)		
Hexachlorobutadiene	NC	NC	NC	ND (0.0089)		ND (0.0089)	ND (0.0089)		ND (0.0089)		
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.033)		ND (0.032)	ND (0.033)		ND (0.033)		
Hexachloroethane	NC	NC	NC	ND (0.0089)		ND (0.0089)	ND (0.0089)		ND (0.0089)		
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.0654		0.266	ND (0.011)		0.0142	J	
Isophorone	NC	1,000	NC	ND (0.0087)		ND (0.0086)	ND (0.0086)		ND (0.0086)		
Naphthalene	12	NC	12	0.0333		0.811	ND (0.0088)		ND (0.0088)		
Nitrobenzene	NC	140	NC	ND (0.0093)		ND (0.0092)	ND (0.0093)		ND (0.0093)		
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0079)		ND (0.0078)	ND (0.0078)		ND (0.0078)		
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)		ND (0.019)	ND (0.019)		ND (0.019)		
Pentachlorophenol	0.8	NC	0.8	ND (0.055)		ND (0.054)	ND (0.055)		ND (0.055)		
Phenanthrene	500	NC	100	0.269		3.22	0.027	J	0.0303	J	
Phenol	0.33	NC	0.33	ND (0.034)		ND (0.033)	ND (0.034)		ND (0.034)		
Pyrene	500	NC	100	0.316		2.09	0.0488		0.0546		
Total TIC, Semi-Volatile	NC	NC	NC	0.29	J	5.81	J	0	0.3	J	
Total Alkanes	NC	NC	NC	0.92	J	0.44	J	0.57	J	0.38	J

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Liberty Stone I-78 Soil 12	Liberty Stone I-78 Soil 13	Liberty Stone I-78 Soil 14	Liberty Stone I-78 Soil 15
LAB ID:				JB18892-12A	JB18892-13A	JB18892-14A	JB18892-15A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	ND (0.0037)	ND (0.0036)	ND (0.0035)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0097)	ND (0.0098)	ND (0.0096)	ND (0.0092)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.032)	ND (0.033)	ND (0.032)	ND (0.031)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.035)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.028)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.051)	ND (0.051)	ND (0.050)	ND (0.048)
2,4-Dimethylphenol	NC	NC	NC	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.051)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.038)	ND (0.039)	ND (0.038)	ND (0.037)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
2-Chloronaphthalene	NC	NC	NC	ND (0.0098)	ND (0.0098)	ND (0.0097)	ND (0.0093)
2-Chlorophenol	NC	1,000	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.030)
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.017)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.036)	ND (0.036)	ND (0.036)	ND (0.034)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)
2-Nitrophenol	NC	NC	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.032)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.038)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0080)	ND (0.0081)	ND (0.0079)	ND (0.0077)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.012)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.038)	ND (0.039)	ND (0.038)	ND (0.037)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.031)	ND (0.030)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0096)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0095)	ND (0.0096)	ND (0.0094)	ND (0.0091)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.053)	ND (0.054)	ND (0.053)	ND (0.051)
Acenaphthene	98	NC	20	ND (0.0091)	ND (0.0092)	ND (0.0091)	ND (0.0087)
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0096)
Acetophenone	NC	NC	NC	ND (0.0055)	ND (0.0056)	ND (0.0055)	ND (0.0053)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Atrazine	NC	NC	NC	ND (0.0062)	ND (0.0063)	ND (0.0062)	ND (0.0059)
Benzaldehyde	NC	NC	NC	ND (0.0072)	ND (0.0073)	ND (0.0072)	ND (0.0069)
Benzo[a]anthracene	1	NC	1	0.0188 J	ND (0.010)	0.019 J	ND (0.0098)
Benzo[a]pyrene	1	NC	1	0.0155 J	ND (0.0097)	0.0164 J	ND (0.0092)
Benzo[b]fluoranthene	1.7	NC	1	0.0194 J	ND (0.011)	0.0193 J	ND (0.010)
Benzo[g,h,i]perylene	500	NC	100	0.0176 J	ND (0.012)	0.0168 J	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0095)	ND (0.0096)	ND (0.0094)	ND (0.0091)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0094)	ND (0.0094)	ND (0.0093)	ND (0.0089)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.027)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.017)
Caprolactam	NC	NC	NC	ND (0.0099)	ND (0.010)	ND (0.0098)	ND (0.0095)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.014)
Chrysene	1	NC	1	0.0168 J	ND (0.011)	0.0164 J	ND (0.010)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Dibenzofuran	NC	NC	NC	ND (0.0094)	ND (0.0094)	ND (0.0093)	ND (0.0089)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Dimethyl phthalate	NC	1,000	NC	0.0569 J	0.0388 J	0.0389 J	0.0399 J
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0070)	ND (0.0071)	ND (0.0069)	ND (0.0067)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Fluoranthene	500	NC	100	0.0241 J	ND (0.014)	0.032	0.019 J
Fluorene	386	NC	30	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0099)
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0098)
Hexachlorobutadiene	NC	NC	NC	ND (0.0088)	ND (0.0088)	ND (0.0087)	ND (0.0084)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.031)
Hexachloroethane	NC	NC	NC	ND (0.0088)	ND (0.0088)	ND (0.0087)	ND (0.0084)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Isophorone	NC	1,000	NC	ND (0.0085)	ND (0.0085)	ND (0.0084)	ND (0.0081)
Naphthalene	12	NC	12	ND (0.0086)	ND (0.0087)	ND (0.0085)	ND (0.0082)
Nitrobenzene	NC	140	NC	ND (0.0091)	ND (0.0092)	ND (0.0090)	ND (0.0087)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0077)	ND (0.0077)	ND (0.0076)	ND (0.0073)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.018)
Pentachlorophenol	0.8	NC	0.8	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.052)
Phenanthrene	500	NC	100	0.0152 J	ND (0.014)	0.022 J	ND (0.014)
Phenol	0.33	NC	0.33	ND (0.033)	ND (0.033)	ND (0.033)	ND (0.032)
Pyrene	500	NC	100	0.0334	0.0176 J	0.0361	0.0278 J
Total TIC, Semi-Volatile	NC	NC	NC	0.67 J	0	0.14 J	0
Total Alkanes	NC	NC	NC	0.33 J	0	0	0.14 J

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Liberty Stone I-78 Soil 16	Liberty Stone I-78 Soil 17	Liberty Stone I-78 Soil 18	Liberty Stone I-78 Soil 19
LAB ID:				JB18892-16A	JB18892-17A	JB18892-18A	JB18892-19A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0036)	ND (0.0036)	ND (0.0039)	ND (0.0039)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0096)	ND (0.0096)	ND (0.010)	ND (0.010)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.035)	ND (0.035)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.036)	ND (0.036)	ND (0.039)	ND (0.039)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.029)	ND (0.029)	ND (0.032)	ND (0.031)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.050)	ND (0.050)	ND (0.054)	ND (0.054)
2,4-Dimethylphenol	NC	NC	NC	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.056)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.041)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.015)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	ND (0.0097)	ND (0.0097)	ND (0.010)	ND (0.010)
2-Chlorophenol	NC	1,000	NC	ND (0.032)	ND (0.032)	ND (0.034)	ND (0.034)
2-Methylnaphthalene	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.019)	ND (0.019)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.036)	ND (0.036)	ND (0.038)	ND (0.038)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.015)
2-Nitrophenol	NC	NC	NC	ND (0.033)	ND (0.033)	ND (0.036)	ND (0.036)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.040)	ND (0.043)	ND (0.043)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0080)	ND (0.0080)	ND (0.0085)	ND (0.0085)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.038)	ND (0.038)	ND (0.041)	ND (0.041)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.031)	ND (0.031)	ND (0.034)	ND (0.034)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0094)	ND (0.0094)	ND (0.010)	ND (0.010)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.053)	ND (0.053)	ND (0.057)	ND (0.057)
Acenaphthene	98	NC	20	ND (0.0091)	ND (0.0091)	0.0853	ND (0.0097)
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.010)	0.0288	J 0.0263
Acetophenone	NC	NC	NC	ND (0.0055)	ND (0.0055)	ND (0.0059)	ND (0.0059)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	0.0126	J 0.0137	J 0.255	0.0487
Atrazine	NC	NC	NC	ND (0.0062)	ND (0.0062)	ND (0.0066)	ND (0.0066)
Benzaldehyde	NC	NC	NC	ND (0.0072)	ND (0.0072)	ND (0.0077)	ND (0.0077)
Benzo[a]anthracene	1	NC	1	0.0439	0.0322	0.58	0.234
Benzo[a]pyrene	1	NC	1	0.0464	0.0349	0.507	0.33
Benzo[b]fluoranthene	1.7	NC	1	0.0583	0.0388	0.603	0.471
Benzo[g,h,i]perylene	500	NC	100	0.0439	0.0291	J 0.305	0.228
Benzo[k]fluoranthene	1.7	NC	0.8	0.0218	J 0.0157	J 0.274	0.0909
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.014)	ND (0.014)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0094)	ND (0.0094)	ND (0.010)	ND (0.010)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0093)	ND (0.0093)	ND (0.010)	ND (0.010)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	0.0363	J 0.0475	J 0.0929
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.018)	ND (0.019)	ND (0.019)
Caprolactam	NC	NC	NC	ND (0.0099)	ND (0.0099)	ND (0.011)	ND (0.011)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.015)	0.12	0.0301
Chrysene	1	NC	1	0.0563	0.0408	0.588	0.317
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.011)	ND (0.011)	0.0932	0.0692
Dibenzofuran	NC	NC	NC	ND (0.0093)	ND (0.0093)	0.0516	J ND (0.010)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.012)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0070)	ND (0.0070)	0.0419	J ND (0.0074)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.016)
Fluoranthene	500	NC	100	0.0781	0.0572	1.08	0.353
Fluorene	386	NC	30	ND (0.010)	ND (0.010)	0.104	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0087)	ND (0.0087)	ND (0.0094)	ND (0.0093)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.034)	ND (0.034)
Hexachloroethane	NC	NC	NC	ND (0.0087)	ND (0.0087)	ND (0.0094)	ND (0.0093)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.0249	J 0.0186	J 0.263	0.203
Isophorone	NC	1,000	NC	ND (0.0084)	ND (0.0084)	ND (0.0091)	ND (0.0090)
Naphthalene	12	NC	12	ND (0.0086)	ND (0.0086)	ND (0.0092)	ND (0.0091)
Nitrobenzene	NC	140	NC	ND (0.0091)	ND (0.0091)	ND (0.0097)	ND (0.0097)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0076)	ND (0.0076)	ND (0.0082)	ND (0.0082)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.020)
Pentachlorophenol	0.8	NC	0.8	ND (0.054)	ND (0.054)	ND (0.058)	ND (0.057)
Phenanthrene	500	NC	100	0.0424	0.0437	1.09	0.189
Phenol	0.33	NC	0.33	ND (0.033)	ND (0.033)	ND (0.035)	ND (0.035)
Pyrene	500	NC	100	0.112	0.0824	1.09	0.488
Total TIC, Semi-Volatile	NC	NC	NC	0.34	J 0.88	J 3	J 3.67
Total Alkanes	NC	NC	NC	0	0.32	J 0	0

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Natures Choice I-78 Soil 1	Natures Choice I-78 Soil 2	Natures Choice I-78 Soil 3	Natures Choice I-78 Soil 4
LAB ID:				JB19432-1A	JB19432-2A	JB19432-3A	JB19432-4A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	ND (0.0041)	ND (0.0042)	ND (0.0043)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0098)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.036)	ND (0.038)	ND (0.038)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.041)	ND (0.042)	ND (0.043)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.033)	ND (0.034)	ND (0.034)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.051)	ND (0.057)	ND (0.059)	ND (0.059)
2,4-Dimethylphenol	NC	NC	NC	ND (0.053)	ND (0.059)	ND (0.061)	ND (0.062)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.039)	ND (0.043)	ND (0.044)	ND (0.045)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.015)	ND (0.016)	ND (0.016)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.014)	ND (0.014)
2-Chloronaphthalene	NC	NC	NC	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)
2-Chlorophenol	NC	1,000	NC	ND (0.032)	ND (0.036)	ND (0.037)	ND (0.037)
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.020)	ND (0.020)	ND (0.020)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.036)	ND (0.040)	ND (0.042)	ND (0.042)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.016)	ND (0.016)
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.037)	ND (0.039)	ND (0.039)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.045)	ND (0.046)	ND (0.047)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0081)	ND (0.0090)	ND (0.0093)	ND (0.0093)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.015)	ND (0.015)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.039)	ND (0.043)	ND (0.044)	ND (0.045)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.013)	ND (0.013)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.035)	ND (0.036)	ND (0.037)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.012)	ND (0.012)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.011)	ND (0.011)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.014)	ND (0.014)
4-Nitrophenol	NC	NC	NC	ND (0.054)	ND (0.060)	ND (0.062)	ND (0.062)
Acenaphthene	98	NC	20	ND (0.0092)	ND (0.010)	ND (0.011)	0.0595
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.011)	ND (0.012)	0.0341 J
Acetophenone	NC	NC	NC	ND (0.0056)	ND (0.0062)	ND (0.0064)	ND (0.0065)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.013)	0.231
Atrazine	NC	NC	NC	ND (0.0063)	ND (0.0070)	ND (0.0072)	ND (0.0072)
Benzaldehyde	NC	NC	NC	ND (0.0073)	ND (0.0081)	ND (0.0084)	ND (0.0084)
Benzo[a]anthracene	1	NC	1	ND (0.010)	0.023 J	0.0334 J	0.313
Benzo[a]pyrene	1	NC	1	ND (0.0097)	0.0231 J	0.0333 J	0.268
Benzo[b]fluoranthene	1.7	NC	1	ND (0.011)	0.0191 J	0.033 J	0.211
Benzo[g,h,i]perylene	500	NC	100	ND (0.012)	0.0193 J	0.0194 J	0.158
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	0.0173 J	0.0244 J	0.172
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.015)	ND (0.015)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.011)	ND (0.011)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0094)	ND (0.010)	ND (0.011)	ND (0.011)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	ND (0.031)	ND (0.032)	ND (0.032)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.020)	ND (0.021)	ND (0.021)
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.012)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.017)	0.0196 J
Chrysene	1	NC	1	ND (0.011)	0.0291 J	0.0365	0.317
Dibenzo[a,h]anthracene	0.56	NC	0.33	ND (0.011)	ND (0.012)	ND (0.012)	0.0716
Dibenzofuran	NC	NC	NC	ND (0.0094)	ND (0.010)	ND (0.011)	0.0319 J
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.013)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	0.0578 J	0.0559 J
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0071)	ND (0.0078)	ND (0.0081)	ND (0.0081)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.017)	ND (0.018)	ND (0.018)
Fluoranthene	500	NC	100	ND (0.014)	0.0333 J	0.0519	0.683
Fluorene	386	NC	30	ND (0.010)	ND (0.012)	ND (0.012)	0.0899
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.012)	ND (0.012)	ND (0.012)
Hexachlorobutadiene	NC	NC	NC	ND (0.0088)	ND (0.0098)	ND (0.010)	ND (0.010)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.032)	ND (0.036)	ND (0.037)	ND (0.037)
Hexachloroethane	NC	NC	NC	ND (0.0088)	ND (0.0098)	ND (0.010)	ND (0.010)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.011)	0.0146 J	0.0188 J	0.137
Isophorone	NC	1,000	NC	ND (0.0085)	ND (0.0095)	ND (0.0098)	ND (0.0099)
Naphthalene	12	NC	12	ND (0.0087)	ND (0.0096)	ND (0.010)	ND (0.010)
Nitrobenzene	NC	140	NC	ND (0.0092)	ND (0.010)	ND (0.011)	ND (0.011)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0078)	ND (0.0086)	ND (0.0089)	ND (0.0089)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.021)	ND (0.022)	ND (0.022)
Pentachlorophenol	0.8	NC	0.8	ND (0.054)	ND (0.060)	ND (0.062)	ND (0.063)
Phenanthrene	500	NC	100	ND (0.014)	0.0187 J	0.0178 J	0.658
Phenol	0.33	NC	0.33	ND (0.033)	ND (0.037)	ND (0.038)	ND (0.039)
Pyrene	500	NC	100	ND (0.012)	0.0419	0.0643	0.803
Total TIC, Semi-Volatile	NC	NC	NC	0	0.2 J	0	1.86 J
Total Alkanes	NC	NC	NC	0	0	0	0

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Natures Choice I-78 Soil 5	Natures Choice I-78 Soil 6	Natures Choice I-78 Soil 7	Natures Choice I-78 Soil 8		
LAB ID:				JB19432-5A	JB19432-6A	JB19432-7A	JB19432-8A		
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12		
SAMPLE MATRIX:				Soil	Soil	Soil	Soil		
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg		
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result		
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0035)	ND (0.0082)	ND (0.0040)		
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.0092)	ND (0.022)	ND (0.010)		
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.036)	ND (0.031)	ND (0.073)	ND (0.035)		
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.035)	ND (0.082)	ND (0.040)		
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.033)	ND (0.028)	ND (0.066)	ND (0.032)		
2,4-Dichlorophenol	NC	1,000	NC	ND (0.056)	ND (0.048)	ND (0.11)	ND (0.055)		
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.050)	ND (0.12)	ND (0.057)		
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.037)	ND (0.086)	ND (0.042)		
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.013)	ND (0.031)	ND (0.015)		
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.011)	ND (0.027)	ND (0.013)		
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.0093)	ND (0.022)	ND (0.011)		
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.030)	ND (0.071)	ND (0.035)		
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.017)	ND (0.039)	ND (0.019)		
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.034)	ND (0.081)	ND (0.039)		
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.013)	ND (0.031)	ND (0.015)		
2-Nitrophenol	NC	NC	NC	ND (0.037)	ND (0.032)	ND (0.075)	ND (0.036)		
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.044)	ND (0.038)	ND (0.090)	ND (0.043)		
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0088)	ND (0.0076)	ND (0.018)	ND (0.0087)		
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.012)	ND (0.028)	ND (0.014)		
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.037)	ND (0.086)	ND (0.042)		
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.011)	ND (0.026)	ND (0.012)		
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.035)	ND (0.030)	ND (0.071)	ND (0.034)		
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.0096)	ND (0.023)	ND (0.011)		
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.0090)	ND (0.021)	ND (0.010)		
4-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.012)	ND (0.028)	ND (0.013)		
4-Nitrophenol	NC	NC	NC	ND (0.059)	ND (0.051)	ND (0.12)	ND (0.058)		
Acenaphthene	98	NC	20	ND (0.010)	ND (0.0087)	ND (0.020)	ND (0.0099)		
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.0096)	0.0342	J	ND (0.011)	
Acetophenone	NC	NC	NC	ND (0.0061)	ND (0.0053)	ND (0.012)	ND (0.0060)		
Aniline	NC	1,000	NC	NA	NA	NA	NA		
Anthracene	500	NC	100	ND (0.012)	ND (0.011)	0.0612	J	0.0448	
Atrazine	NC	NC	NC	ND (0.0068)	ND (0.0059)	ND (0.014)	ND (0.0067)		
Benzaldehyde	NC	NC	NC	ND (0.0080)	ND (0.0069)	ND (0.016)	ND (0.0079)		
Benzo[a]anthracene	1	NC	1	0.0342	J	0.0127	J	0.0843	
Benzo[a]pyrene	1	NC	1	0.0271	J	0.0129	J	0.0714	
Benzo[b]fluoranthene	1.7	NC	1	0.0282	J	ND (0.010)	0.181	0.063	
Benzo[g,h,i]perylene	500	NC	100	0.0208	J	ND (0.011)	0.0977	0.0559	
Benzo[k]fluoranthene	1.7	NC	0.8	0.0216	J	0.0141	J	0.101	0.0692
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA		
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.012)	ND (0.029)	ND (0.014)		
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.0090)	ND (0.021)	ND (0.010)		
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.0089)	ND (0.021)	ND (0.010)		
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.031)	ND (0.027)	ND (0.062)	0.155		
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.017)	ND (0.041)	0.397		
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.0095)	ND (0.022)	ND (0.011)		
Carbazole	NC	NC	NC	ND (0.016)	ND (0.014)	ND (0.033)	ND (0.016)		
Chrysene	1	NC	1	0.0392	0.0122	J	0.199	0.0937	
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.012)	ND (0.010)	ND (0.024)	ND (0.012)		
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.0089)	ND (0.021)	ND (0.010)		
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.010)	ND (0.024)	ND (0.012)		
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	0.0552	J	ND (0.025)	0.0475	J
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0077)	ND (0.0067)	ND (0.016)	ND (0.0076)		
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.015)	ND (0.034)	ND (0.017)		
Fluoranthene	500	NC	100	0.0506	0.0178	J	0.375	0.18	
Fluorene	386	NC	30	ND (0.011)	ND (0.0099)	ND (0.023)	0.0136	J	
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.0098)	ND (0.023)	ND (0.011)		
Hexachlorobutadiene	NC	NC	NC	ND (0.0096)	ND (0.0084)	ND (0.020)	ND (0.0095)		
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.031)	ND (0.072)	ND (0.035)		
Hexachloroethane	NC	NC	NC	ND (0.0096)	ND (0.0084)	ND (0.020)	ND (0.0095)		
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.019	J	ND (0.010)	0.0856	0.0474	
Isophorone	NC	1,000	NC	ND (0.0093)	ND (0.0081)	ND (0.019)	ND (0.0092)		
Naphthalene	12	NC	12	ND (0.0095)	ND (0.0082)	ND (0.019)	ND (0.0093)		
Nitrobenzene	NC	140	NC	ND (0.010)	ND (0.0087)	ND (0.020)	ND (0.0099)		
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0085)	ND (0.0073)	ND (0.017)	ND (0.0083)		
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.021)	ND (0.018)	ND (0.042)	ND (0.020)		
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.051)	ND (0.12)	ND (0.058)		
Phenanthrene	500	NC	100	0.0243	J	ND (0.014)	0.146	0.156	
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.032)	ND (0.074)	ND (0.036)		
Pyrene	500	NC	100	0.0668	0.0235	J	0.625	0.199	
Total TIC, Semi-Volatile	NC	NC	NC	0	0	0	0.33	J	
Total Alkanes	NC	NC	NC	0	0	0	0		

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Natures Choice I-78 Soil 9	Natures Choice I-78 Soil 10	Natures Choice I-78 Soil 11	Natures Choice I-78 Soil 12
LAB ID:				JB19432-9A	JB19432-10A	JB19432-11A	JB19432-12A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	ND (0.0039)	ND (0.0036)	ND (0.0039)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0099)	ND (0.010)	ND (0.0096)	ND (0.010)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.035)	ND (0.032)	ND (0.034)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.039)	ND (0.036)	ND (0.039)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.032)	ND (0.029)	ND (0.031)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.052)	ND (0.055)	ND (0.050)	ND (0.054)
2,4-Dimethylphenol	NC	NC	NC	ND (0.054)	ND (0.057)	ND (0.053)	ND (0.056)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.039)	ND (0.041)	ND (0.038)	ND (0.041)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.015)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.0097)	ND (0.010)
2-Chlorophenol	NC	1,000	NC	ND (0.033)	ND (0.034)	ND (0.032)	ND (0.034)
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.019)	ND (0.017)	ND (0.019)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.037)	ND (0.039)	ND (0.036)	ND (0.038)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.015)
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.036)	ND (0.033)	ND (0.035)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.041)	ND (0.043)	ND (0.040)	ND (0.042)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0082)	ND (0.0086)	ND (0.0079)	ND (0.0085)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.039)	ND (0.041)	ND (0.038)	ND (0.041)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.034)	ND (0.031)	ND (0.033)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0097)	ND (0.010)	ND (0.0094)	ND (0.010)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.054)	ND (0.057)	ND (0.053)	ND (0.056)
Acenaphthene	98	NC	20	ND (0.0093)	ND (0.0098)	ND (0.0091)	ND (0.0097)
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.011)	ND (0.010)	0.016 J
Acetophenone	NC	NC	NC	ND (0.0057)	ND (0.0060)	ND (0.0055)	ND (0.0059)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	0.0283 J
Atrazine	NC	NC	NC	ND (0.0063)	ND (0.0067)	ND (0.0062)	ND (0.0066)
Benzaldehyde	NC	NC	NC	ND (0.0074)	ND (0.0078)	ND (0.0072)	ND (0.0077)
Benzo[a]anthracene	1	NC	1	0.0259 J	0.0224 J	0.0244 J	0.0742 J
Benzo[a]pyrene	1	NC	1	0.0228 J	0.0216 J	0.022 J	0.0785 J
Benzo[b]fluoranthene	1.7	NC	1	0.0285 J	0.0269 J	0.0173 J	0.0652 J
Benzo[g,h,i]perylene	500	NC	100	0.0245 J	0.0214 J	0.0199 J	0.0687 J
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	0.014 J	0.0205 J	0.0508 J
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0097)	ND (0.010)	ND (0.0094)	ND (0.010)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0096)	ND (0.010)	ND (0.0093)	ND (0.0099)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	ND (0.030)	ND (0.028)	ND (0.029)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.019)	ND (0.020)	ND (0.018)	ND (0.019)
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.0098)	ND (0.010)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.014)	ND (0.015)
Chrysene	1	NC	1	0.0234 J	0.0235 J	0.0217 J	0.0863 J
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Dibenzofuran	NC	NC	NC	ND (0.0096)	ND (0.010)	ND (0.0093)	ND (0.0099)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	0.0389 J	0.052 J	0.041 J
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0072)	ND (0.0075)	ND (0.0069)	ND (0.0074)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.016)	ND (0.017)	ND (0.015)	ND (0.016)
Fluoranthene	500	NC	100	0.0397 J	0.0329 J	0.033 J	0.108 J
Fluorene	386	NC	30	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0090)	ND (0.0094)	ND (0.0087)	ND (0.0093)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.033)	ND (0.035)	ND (0.032)	ND (0.034)
Hexachloroethane	NC	NC	NC	ND (0.0090)	ND (0.0094)	ND (0.0087)	ND (0.0093)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.0196 J	0.019 J	0.017 J	0.052 J
Isophorone	NC	1,000	NC	ND (0.0087)	ND (0.0091)	ND (0.0084)	ND (0.0090)
Naphthalene	12	NC	12	ND (0.0088)	ND (0.0093)	ND (0.0085)	ND (0.0091)
Nitrobenzene	NC	140	NC	ND (0.0093)	ND (0.0098)	ND (0.0090)	ND (0.0096)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0079)	ND (0.0083)	ND (0.0076)	ND (0.0081)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.020)	ND (0.019)	ND (0.020)
Pentachlorophenol	0.8	NC	0.8	ND (0.055)	ND (0.058)	ND (0.053)	ND (0.057)
Phenanthrene	500	NC	100	0.019 J	0.0174 J	0.0142 J	0.0678 J
Phenol	0.33	NC	0.33	ND (0.034)	ND (0.036)	ND (0.033)	ND (0.035)
Pyrene	500	NC	100	0.0416 J	0.049 J	0.0436 J	0.159 J
Total TIC, Semi-Volatile	NC	NC	NC	0.63 J	0.36 J	0 J	2.99 J
Total Alkanes	NC	NC	NC	0	0	0	0.15 J

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Natures Choice I-78 Soil 13	Natures Choice I-78 Soil 14	Natures Choice I-78 Soil 15	Natures Choice I-78 Soil 16	
LAB ID:				JB19432-13A	JB19432-14A	JB19432-15A	JB19432-16A	
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12	
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	
1,1'-Biphenyl	NC	NC	NC	ND (0.0036)	ND (0.0041)	ND (0.0037)	ND (0.0040)	
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0095)	ND (0.011)	ND (0.0098)	ND (0.011)	
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.032)	ND (0.036)	ND (0.033)	ND (0.036)	
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.036)	ND (0.041)	ND (0.037)	ND (0.040)	
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.029)	ND (0.033)	ND (0.030)	ND (0.033)	
2,4-Dichlorophenol	NC	1,000	NC	ND (0.050)	ND (0.057)	ND (0.052)	ND (0.056)	
2,4-Dimethylphenol	NC	NC	NC	ND (0.052)	ND (0.059)	ND (0.054)	ND (0.058)	
2,4-Dinitrophenol	NC	1,000	NC	ND (0.038)	ND (0.043)	ND (0.039)	ND (0.042)	
2,4-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.015)	ND (0.014)	ND (0.015)	
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.013)	
2-Chloronaphthalene	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.0099)	ND (0.011)	
2-Chlorophenol	NC	1,000	NC	ND (0.031)	ND (0.036)	ND (0.032)	ND (0.035)	
2-Methylnaphthalene	NC	NC	NC	ND (0.017)	ND (0.020)	ND (0.018)	ND (0.019)	
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.035)	ND (0.040)	ND (0.037)	ND (0.040)	
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.015)	
2-Nitrophenol	NC	NC	NC	ND (0.033)	ND (0.037)	ND (0.034)	ND (0.037)	
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.045)	ND (0.041)	ND (0.044)	
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0078)	ND (0.0089)	ND (0.0081)	ND (0.0088)	
3-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.014)	
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.038)	ND (0.043)	ND (0.039)	ND (0.042)	
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.013)	ND (0.012)	ND (0.013)	
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.031)	ND (0.035)	ND (0.032)	ND (0.035)	
4-Chloroaniline	NC	1,000	NC	ND (0.0099)	ND (0.011)	ND (0.010)	ND (0.011)	
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0093)	ND (0.011)	ND (0.0097)	ND (0.010)	
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.014)	
4-Nitrophenol	NC	NC	NC	ND (0.052)	ND (0.060)	ND (0.054)	ND (0.059)	
Acenaphthene	98	NC	20	ND (0.0090)	ND (0.010)	ND (0.0093)	ND (0.010)	
Acenaphthylene	107	NC	100	0.0636	ND (0.011)	0.0249	J 0.0458	
Acetophenone	NC	NC	NC	ND (0.0054)	ND (0.0062)	ND (0.0056)	ND (0.0061)	
Aniline	NC	1,000	NC	NA	NA	NA	NA	
Anthracene	500	NC	100	0.088	ND (0.012)	0.0404	0.0322	J
Atrazine	NC	NC	NC	ND (0.0061)	ND (0.0069)	ND (0.0063)	ND (0.0068)	
Benzaldehyde	NC	NC	NC	ND (0.0071)	ND (0.0081)	ND (0.0074)	ND (0.0080)	
Benzo[a]anthracene	1	NC	1	0.215	0.0235	J 0.139	0.0952	
Benzo[a]pyrene	1	NC	1	0.195	0.0201	J 0.108	0.0992	
Benzo[b]fluoranthene	1.7	NC	1	0.16	0.0195	J 0.103	0.0672	
Benzo[g,h,i]perylene	500	NC	100	0.166	0.0147	J 0.0727	0.0723	
Benzo[k]fluoranthene	1.7	NC	0.8	0.132	0.0134	J 0.093	0.0568	
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA	
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.014)	
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0093)	ND (0.011)	ND (0.0097)	ND (0.010)	
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0092)	ND (0.010)	ND (0.0095)	ND (0.010)	
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.027)	ND (0.031)	ND (0.028)	ND (0.031)	
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.020)	ND (0.019)	ND (0.020)	
Caprolactam	NC	NC	NC	ND (0.0097)	ND (0.011)	ND (0.010)	ND (0.011)	
Carbazole	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.015)	ND (0.016)	
Chrysene	1	NC	1	0.215	0.018	J 0.151	0.0984	
Dibenz(a,h)anthracene	0.56	NC	0.33	0.0411	ND (0.012)	0.0195	J 0.0217	J
Dibenzofuran	NC	NC	NC	ND (0.0092)	ND (0.010)	ND (0.0095)	ND (0.010)	
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	
Dimethyl phthalate	NC	1,000	NC	0.0852	0.0377	J 0.0355	J 0.0212	
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0069)	ND (0.0078)	ND (0.0071)	ND (0.0077)	
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.017)	
Fluoranthene	500	NC	100	0.35	0.0353	0.231	0.152	
Fluorene	386	NC	30	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.011)	
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)	
Hexachlorobutadiene	NC	NC	NC	ND (0.0086)	ND (0.0098)	ND (0.0089)	ND (0.0097)	
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.031)	ND (0.036)	ND (0.033)	ND (0.035)	
Hexachloroethane	NC	NC	NC	ND (0.0086)	ND (0.0098)	ND (0.0089)	ND (0.0097)	
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.117	ND (0.012)	0.0664	0.057	
Isophorone	NC	1,000	NC	ND (0.0083)	ND (0.0095)	ND (0.0086)	ND (0.0093)	
Naphthalene	12	NC	12	ND (0.0084)	ND (0.0096)	ND (0.0088)	ND (0.0095)	
Nitrobenzene	NC	140	NC	ND (0.0089)	ND (0.010)	ND (0.0093)	ND (0.010)	
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0075)	ND (0.0086)	ND (0.0078)	ND (0.0085)	
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.018)	ND (0.021)	ND (0.019)	ND (0.021)	
Pentachlorophenol	0.8	NC	0.8	ND (0.053)	ND (0.060)	ND (0.055)	ND (0.059)	
Phenanthrene	500	NC	100	0.22	ND (0.016)	0.138	0.0655	
Phenol	0.33	NC	0.33	ND (0.032)	ND (0.037)	ND (0.034)	ND (0.036)	
Pyrene	500	NC	100	0.466	0.0431	0.284	0.208	
Total TIC, Semi-Volatile	NC	NC	NC	0.3	J 0.16	J 0.28	J 0.44	J
Total Alkanes	NC	NC	NC	0	0	0.18	J 0	J

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Natures Choice I-78 Soil 17	Natures Choice I-78 Soil 18	Natures Choice I-78 Soil 19	Natures Choice I-78 Soil 20
LAB ID:				JB19432-17A	JB19432-18A	JB19432-19A	JB19432-20A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0039)	ND (0.0039)	ND (0.0038)	ND (0.0040)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.034)	ND (0.035)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.040)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.032)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.055)
2,4-Dimethylphenol	NC	NC	NC	ND (0.056)	ND (0.057)	ND (0.055)	ND (0.058)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.041)	ND (0.041)	ND (0.040)	ND (0.042)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.015)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.011)
2-Chlorophenol	NC	1,000	NC	ND (0.034)	ND (0.034)	ND (0.033)	ND (0.035)
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.019)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.038)	ND (0.039)	ND (0.037)	ND (0.039)
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.015)
2-Nitrophenol	NC	NC	NC	ND (0.036)	ND (0.036)	ND (0.035)	ND (0.036)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.043)	ND (0.043)	ND (0.042)	ND (0.044)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0085)	ND (0.0086)	ND (0.0083)	ND (0.0087)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.041)	ND (0.041)	ND (0.040)	ND (0.042)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.034)	ND (0.034)	ND (0.033)	ND (0.034)
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0098)	ND (0.010)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.057)	ND (0.057)	ND (0.055)	ND (0.058)
Acenaphthene	98	NC	20	ND (0.0097)	ND (0.0098)	ND (0.0095)	ND (0.010)
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Acetophenone	NC	NC	NC	ND (0.0059)	ND (0.0060)	ND (0.0058)	ND (0.0060)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.012)
Atrazine	NC	NC	NC	ND (0.0066)	ND (0.0067)	ND (0.0064)	ND (0.0068)
Benzaldehyde	NC	NC	NC	ND (0.0077)	ND (0.0078)	ND (0.0075)	ND (0.0079)
Benzo[a]anthracene	1	NC	1	0.0264	J 0.04	0.0353	0.019
Benzo[a]pyrene	1	NC	1	0.0208	J 0.0429	0.0299	J ND (0.010)
Benzo[b]fluoranthene	1.7	NC	1	0.022	J 0.0373	0.0346	ND (0.011)
Benzo[g,h,i]perylene	500	NC	100	0.0168	J 0.0403	0.0238	J ND (0.013)
Benzo[k]fluoranthene	1.7	NC	0.8	0.019	J 0.0471	0.021	J ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.014)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0098)	ND (0.010)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0097)	ND (0.010)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.030)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.019)	ND (0.020)	ND (0.019)	ND (0.020)
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)
Carbazole	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)
Chrysene	1	NC	1	0.027	J 0.048	0.0363	0.0159
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0097)	ND (0.010)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Dimethyl phthalate	NC	1,000	NC	0.0537	J 0.0799	0.0626	J 0.0721
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0074)	ND (0.0075)	ND (0.0073)	ND (0.0076)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.017)
Fluoranthene	500	NC	100	0.0363	0.0548	0.0593	0.0201
Fluorene	386	NC	30	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0093)	ND (0.0094)	ND (0.0091)	ND (0.0096)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.034)	ND (0.034)	ND (0.033)	ND (0.035)
Hexachloroethane	NC	NC	NC	ND (0.0093)	ND (0.0094)	ND (0.0091)	ND (0.0096)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	0.0142	J 0.0331	0.0173	J ND (0.012)
Isophorone	NC	1,000	NC	ND (0.0090)	ND (0.0091)	ND (0.0088)	ND (0.0092)
Naphthalene	12	NC	12	ND (0.0091)	ND (0.0092)	ND (0.0089)	ND (0.0094)
Nitrobenzene	NC	140	NC	ND (0.0097)	ND (0.0098)	ND (0.0095)	ND (0.0099)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0082)	ND (0.0083)	ND (0.0080)	ND (0.0084)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)
Pentachlorophenol	0.8	NC	0.8	ND (0.057)	ND (0.058)	ND (0.056)	ND (0.059)
Phenanthrene	500	NC	100	ND (0.015)	ND (0.015)	0.0198	J 0.017
Phenol	0.33	NC	0.33	ND (0.035)	ND (0.036)	ND (0.034)	ND (0.036)
Pyrene	500	NC	100	0.0484	0.0712	0.0665	0.0266
Total TIC, Semi-Volatile	NC	NC	NC	0	2.4	J 0	0
Total Alkanes	NC	NC	NC	0	0.16	J 0	0

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Natures Choice I-78 Soil 21	Natures Choice I-78 Soil 22	Turnpike Basin 8C IS-1	Turnpike Basin 8C IS-2
LAB ID:				JB19432-21A	JB19432-22A	09383-024	09383-023
COLLECTION DATE:				10/16/12	10/16/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0042)	ND (0.0041)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.037)	ND (0.036)	ND (0.016)	ND (0.016)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.042)	ND (0.041)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.034)	ND (0.033)	ND (0.012)	ND (0.012)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.058)	ND (0.056)	ND (0.036)	ND (0.036)
2,4-Dimethylphenol	NC	NC	NC	ND (0.061)	ND (0.059)	ND (0.028)	ND (0.029)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.044)	ND (0.043)	ND (0.014)	ND (0.014)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.032)	ND (0.032)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.021)	ND (0.021)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.034)	ND (0.035)
2-Chlorophenol	NC	1,000	NC	ND (0.037)	ND (0.035)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.020)	ND (0.019)	ND (0.030)	ND (0.031)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.041)	ND (0.040)	ND (0.029)	ND (0.030)
2-Nitroaniline	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.022)	ND (0.022)
2-Nitrophenol	NC	NC	NC	ND (0.038)	ND (0.037)	ND (0.027)	ND (0.027)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.046)	ND (0.044)	NA	NA
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0092)	ND (0.0089)	ND (0.025)	ND (0.026)
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.044)	ND (0.043)	ND (0.021)	ND (0.021)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.021)	ND (0.021)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.036)	ND (0.035)	ND (0.032)	ND (0.033)
4-Chloroaniline	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.034)	ND (0.035)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.017)	ND (0.017)
4-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.023)	ND (0.024)
4-Nitrophenol	NC	NC	NC	ND (0.061)	ND (0.059)	ND (0.027)	ND (0.027)
Acenaphthene	98	NC	20	ND (0.010)	ND (0.010)	ND (0.029)	ND (0.030)
Acenaphthylene	107	NC	100	ND (0.012)	ND (0.011)	ND (0.025)	ND (0.026)
Acetophenone	NC	NC	NC	ND (0.0064)	ND (0.0061)	ND (0.012)	ND (0.013)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.013)	ND (0.012)	ND (0.035)	ND (0.036)
Atrazine	NC	NC	NC	ND (0.0071)	ND (0.0069)	ND (0.025)	ND (0.026)
Benzaldehyde	NC	NC	NC	ND (0.0083)	ND (0.0080)	ND (0.014)	ND (0.014)
Benzo[a]anthracene	1	NC	1	0.0302	J 0.0156	J ND (0.035)	ND (0.036)
Benzo[a]pyrene	1	NC	1	0.0243	J ND (0.011)	ND (0.020)	ND (0.020)
Benzo[b]fluoranthene	1.7	NC	1	0.0221	J ND (0.012)	ND (0.019)	ND (0.019)
Benzo[g,h,i]perylene	500	NC	100	0.0163	J ND (0.013)	ND (0.012)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	0.0166	J ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.030)	ND (0.031)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.025)	ND (0.026)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.032)	ND (0.031)	ND (0.017)	ND (0.018)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.021)	ND (0.020)	ND (0.023)	ND (0.024)
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.023)	ND (0.024)
Carbazole	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.021)	ND (0.021)
Chrysene	1	NC	1	0.0287	J 0.0134	J ND (0.024)	ND (0.025)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.012)	ND (0.012)	ND (0.022)	ND (0.022)
Dibenzofuran	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.027)	ND (0.027)
Dimethyl phthalate	NC	1,000	NC	0.0372	JB ND (0.012)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0080)	ND (0.0078)	ND (0.026)	ND (0.026)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.017)	ND (0.014)	ND (0.015)
Fluoranthene	500	NC	100	0.0421	0.0182	J ND (0.014)	ND (0.015)
Fluorene	386	NC	30	ND (0.012)	ND (0.011)	ND (0.020)	ND (0.020)
Hexachlorobenzene	3.2	NC	NC	ND (0.012)	ND (0.011)	ND (0.026)	ND (0.026)
Hexachlorobutadiene	NC	NC	NC	ND (0.010)	ND (0.0097)	ND (0.035)	ND (0.036)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.037)	ND (0.036)	ND (0.012)	ND (0.012)
Hexachloroethane	NC	NC	NC	ND (0.010)	ND (0.0097)	ND (0.014)	ND (0.014)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.013)	ND (0.012)	ND (0.018)	ND (0.019)
Isophorone	NC	1,000	NC	ND (0.0097)	ND (0.0094)	ND (0.023)	ND (0.024)
Naphthalene	12	NC	12	ND (0.0099)	ND (0.0095)	ND (0.028)	ND (0.028)
Nitrobenzene	NC	140	NC	ND (0.010)	ND (0.010)	ND (0.032)	ND (0.032)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0088)	ND (0.0085)	ND (0.024)	ND (0.024)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.022)	ND (0.021)	ND (0.015)	ND (0.015)
Pentachlorophenol	0.8	NC	0.8	ND (0.062)	ND (0.060)	ND (0.015)	ND (0.015)
Phenanthrene	500	NC	100	0.0354	J ND (0.016)	ND (0.024)	ND (0.024)
Phenol	0.33	NC	0.33	ND (0.038)	ND (0.037)	ND (0.016)	ND (0.016)
Pyrene	500	NC	100	0.0503	0.0203	J ND (0.027)	ND (0.027)
Total TIC, Semi-Volatile	NC	NC	NC	1.16	J 0.65	J ND	ND
Total Alkanes	NC	NC	NC	0	0	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Turnpike Basin 8C IS-3	Turnpike Basin 8C IS-4	Turnpike Basin 8C IS-5	Turnpike Basin 8C IS-6
LAB ID:				09383-027	09383-021	09383-022	09383-025
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.034)	ND (0.035)	ND (0.035)	ND (0.034)
2,4-Dimethylphenol	NC	NC	NC	ND (0.027)	ND (0.028)	ND (0.028)	ND (0.027)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.030)	ND (0.031)	ND (0.031)	ND (0.031)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.020)
2-Chloronaphthalene	NC	NC	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.029)	ND (0.030)	ND (0.029)	ND (0.029)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.028)
2-Nitroaniline	NC	NC	NC	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.021)
2-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.024)	ND (0.025)	ND (0.025)	ND (0.025)
3-Nitroaniline	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.020)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.031)	ND (0.032)	ND (0.032)	ND (0.031)
4-Chloroaniline	NC	1,000	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.033)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
4-Nitroaniline	NC	NC	NC	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.023)
4-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Acenaphthene	98	NC	20	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.028)
Acenaphthylene	107	NC	100	ND (0.024)	ND (0.025)	ND (0.025)	ND (0.025)
Acetophenone	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)
Atrazine	NC	NC	NC	ND (0.024)	ND (0.025)	ND (0.025)	ND (0.025)
Benzaldehyde	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)
Benzo[a]anthracene	1	NC	1	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)
Benzo[a]pyrene	1	NC	1	ND (0.019)	ND (0.020)	ND (0.019)	ND (0.019)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.018)	ND (0.019)	ND (0.018)	ND (0.018)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.029)	ND (0.030)	ND (0.030)	ND (0.030)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.024)	ND (0.025)	ND (0.025)	ND (0.025)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.023)
Caprolactam	NC	NC	NC	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.023)
Carbazole	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.020)
Chrysene	1	NC	1	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.024)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.021)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Dimethyl phthalate	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Fluorene	386	NC	30	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)
Hexachlorobenzene	3.2	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Hexachlorobutadiene	NC	NC	NC	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Hexachloroethane	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.013)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Isophorone	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Naphthalene	12	NC	12	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.027)
Nitrobenzene	NC	140	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.031)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.023)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Phenanthrene	500	NC	100	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.023)
Phenol	0.33	NC	0.33	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.015)
Pyrene	500	NC	100	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.026)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Turnpike Basin 8C IS-7	Turnpike Basin 8C IS-8	Turnpike Basin 8C IS-9	Turnpike Basin 8C IS-10
LAB ID:				09383-026	09383-028	09383-029	09383-030
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.015)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.035)	ND (0.036)	ND (0.035)	ND (0.035)
2,4-Dimethylphenol	NC	NC	NC	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.028)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.031)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
2-Chloronaphthalene	NC	NC	NC	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.029)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
2-Nitroaniline	NC	NC	NC	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.021)
2-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
3-Nitroaniline	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.020)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.033)	ND (0.032)	ND (0.032)
4-Chloroaniline	NC	1,000	NC	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.016)
4-Nitroaniline	NC	NC	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.023)
4-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Acenaphthene	98	NC	20	ND (0.029)	ND (0.029)	ND (0.028)	ND (0.028)
Acenaphthylene	107	NC	100	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Acetophenone	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.012)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
Atrazine	NC	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Benzaldehyde	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Benzo[a]anthracene	1	NC	1	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
Benzo[a]pyrene	1	NC	1	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.030)	ND (0.031)	ND (0.030)	ND (0.030)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.017)	ND (0.018)	ND (0.017)	ND (0.017)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.023)
Caprolactam	NC	NC	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.023)
Carbazole	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
Chrysene	1	NC	1	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.021)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)
Fluorene	386	NC	30	ND (0.019)	ND (0.020)	ND (0.019)	ND (0.019)
Hexachlorobenzene	3.2	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Hexachlorobutadiene	NC	NC	NC	ND (0.035)	ND (0.036)	ND (0.034)	ND (0.034)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)
Hexachloroethane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Isophorone	NC	1,000	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.023)
Naphthalene	12	NC	12	ND (0.027)	ND (0.028)	ND (0.027)	ND (0.027)
Nitrobenzene	NC	140	NC	ND (0.032)	ND (0.032)	ND (0.031)	ND (0.031)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.023)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Phenanthrene	500	NC	100	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.023)
Phenol	0.33	NC	0.33	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
Pyrene	500	NC	100	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Turnpike Basin 8C IS-11	Turnpike Basin 8C IS-12	Turnpike Basin 8C IS-13	Turnpike Basin 8C IS-14
LAB ID:				09383-012	09383-011	09383-020	09383-019
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)
2,4-Dimethylphenol	NC	NC	NC	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.028)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.031)	ND (0.031)	ND (0.031)	ND (0.031)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
2-Chloronaphthalene	NC	NC	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.034)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.029)	ND (0.030)	ND (0.029)	ND (0.030)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.029)
2-Nitroaniline	NC	NC	NC	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.022)
2-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
3-Nitroaniline	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.021)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.032)
4-Chloroaniline	NC	1,000	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.034)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.016)
4-Nitroaniline	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
4-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
Acenaphthene	98	NC	20	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.029)
Acenaphthylene	107	NC	100	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Acetophenone	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
Atrazine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzaldehyde	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Benzo[a]anthracene	1	NC	1	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.034)
Benzo[a]pyrene	1	NC	1	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.018)	ND (0.019)	ND (0.018)	ND (0.019)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Caprolactam	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Carbazole	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
Chrysene	1	NC	1	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.024)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.022)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Fluorene	386	NC	30	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)
Hexachlorobenzene	3.2	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)
Hexachlorobutadiene	NC	NC	NC	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.035)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Hexachloroethane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Isophorone	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Naphthalene	12	NC	12	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.027)
Nitrobenzene	NC	140	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.032)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.024)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Phenanthrene	500	NC	100	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.024)
Phenol	0.33	NC	0.33	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
Pyrene	500	NC	100	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Turnpike Basin 8C IS-15	Turnpike Basin 8C IS-16	Turnpike Basin 8C IS-17	Turnpike Basin 8C IS-18
LAB ID:				09383-018	09383-017	09383-016	09383-015
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.035)
2,4-Dimethylphenol	NC	NC	NC	ND (0.028)	ND (0.027)	ND (0.028)	ND (0.029)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.014)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.031)	ND (0.031)	ND (0.031)	ND (0.032)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.022)
2-Chloronaphthalene	NC	NC	NC	ND (0.034)	ND (0.033)	ND (0.034)	ND (0.035)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.030)	ND (0.029)	ND (0.030)	ND (0.031)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.029)	ND (0.028)	ND (0.029)	ND (0.030)
2-Nitroaniline	NC	NC	NC	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.022)
2-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.027)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
3-Nitroaniline	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.021)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.022)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.031)	ND (0.032)	ND (0.033)
4-Chloroaniline	NC	1,000	NC	ND (0.034)	ND (0.033)	ND (0.034)	ND (0.035)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.017)
4-Nitroaniline	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
4-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.027)
Acenaphthene	98	NC	20	ND (0.029)	ND (0.028)	ND (0.029)	ND (0.030)
Acenaphthylene	107	NC	100	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
Acetophenone	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.013)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.036)
Atrazine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
Benzaldehyde	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.014)
Benzo[a]anthracene	1	NC	1	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.036)
Benzo[a]pyrene	1	NC	1	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.020)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.019)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.018)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
Caprolactam	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
Carbazole	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.022)
Chrysene	1	NC	1	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.025)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.022)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.027)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.026)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
Fluorene	386	NC	30	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.020)
Hexachlorobenzene	3.2	NC	NC	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.026)
Hexachlorobutadiene	NC	NC	NC	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.036)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)
Hexachloroethane	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.014)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.019)
Isophorone	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
Naphthalene	12	NC	12	ND (0.027)	ND (0.027)	ND (0.027)	ND (0.028)
Nitrobenzene	NC	140	NC	ND (0.032)	ND (0.031)	ND (0.032)	ND (0.033)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.024)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.016)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.016)
Phenanthrene	500	NC	100	ND (0.023)	ND (0.023)	ND (0.024)	ND (0.024)
Phenol	0.33	NC	0.33	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.016)
Pyrene	500	NC	100	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.027)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Turnpike Basin 8C IS-19	Turnpike Basin 8C IS-20	Turnpike Basin 8C IS-21	Turnpike Basin 8C IS-22
LAB ID:				09383-014	09383-013	09383-010	09383-004
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)
2,4-Dimethylphenol	NC	NC	NC	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.028)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.031)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
2-Chloronaphthalene	NC	NC	NC	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.030)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)
2-Nitroaniline	NC	NC	NC	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.022)
2-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
3-Nitroaniline	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.021)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.032)
4-Chloroaniline	NC	1,000	NC	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.017)
4-Nitroaniline	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
4-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
Acenaphthene	98	NC	20	ND (0.029)	ND (0.029)	ND (0.028)	ND (0.029)
Acenaphthylene	107	NC	100	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Acetophenone	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.035)
Atrazine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Benzaldehyde	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Benzo[a]anthracene	1	NC	1	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.035)
Benzo[a]pyrene	1	NC	1	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Caprolactam	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Carbazole	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
Chrysene	1	NC	1	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.024)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.022)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.026)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.026)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Fluorene	386	NC	30	ND (0.019)	ND (0.020)	ND (0.019)	ND (0.019)
Hexachlorobenzene	3.2	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.026)
Hexachlorobutadiene	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Hexachloroethane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)
Isophorone	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)
Naphthalene	12	NC	12	ND (0.027)	ND (0.028)	ND (0.027)	ND (0.027)
Nitrobenzene	NC	140	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.032)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Phenanthrene	500	NC	100	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.024)
Phenol	0.33	NC	0.33	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
Pyrene	500	NC	100	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.027)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Turnpike Basin 8C IS-23	Turnpike Basin 8C IS-24	Turnpike Basin 8C IS-25	Turnpike Basin 8C IS-26
LAB ID:				09383-005	09383-006	09383-007	09383-008
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.015)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.036)	ND (0.035)	ND (0.034)	ND (0.034)
2,4-Dimethylphenol	NC	NC	NC	ND (0.029)	ND (0.028)	ND (0.027)	ND (0.027)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.013)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.032)	ND (0.031)	ND (0.031)	ND (0.031)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)
2-Chloronaphthalene	NC	NC	NC	ND (0.035)	ND (0.034)	ND (0.033)	ND (0.033)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Methylnaphthalene	NC	NC	NC	ND (0.031)	ND (0.030)	ND (0.029)	ND (0.029)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.030)	ND (0.029)	ND (0.028)	ND (0.028)
2-Nitroaniline	NC	NC	NC	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.021)
2-Nitrophenol	NC	NC	NC	ND (0.027)	ND (0.026)	ND (0.026)	ND (0.026)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.025)
3-Nitroaniline	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.033)	ND (0.032)	ND (0.031)	ND (0.031)
4-Chloroaniline	NC	1,000	NC	ND (0.035)	ND (0.034)	ND (0.033)	ND (0.033)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.016)
4-Nitroaniline	NC	NC	NC	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.023)
4-Nitrophenol	NC	NC	NC	ND (0.027)	ND (0.026)	ND (0.026)	ND (0.026)
Acenaphthene	98	NC	20	ND (0.030)	ND (0.029)	ND (0.028)	ND (0.028)
Acenaphthylene	107	NC	100	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.025)
Acetophenone	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.036)	ND (0.034)	ND (0.034)	ND (0.034)
Atrazine	NC	NC	NC	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.025)
Benzaldehyde	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.013)
Benzo[a]anthracene	1	NC	1	ND (0.036)	ND (0.034)	ND (0.034)	ND (0.034)
Benzo[a]pyrene	1	NC	1	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.019)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.018)
Benzo[g,h,i]perylene	500	NC	100	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.031)	ND (0.030)	ND (0.030)	ND (0.030)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.025)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.017)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.023)
Caprolactam	NC	NC	NC	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.023)
Carbazole	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.020)
Chrysene	1	NC	1	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.024)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.021)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.027)	ND (0.026)	ND (0.026)	ND (0.026)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.025)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
Fluoranthene	500	NC	100	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
Fluorene	386	NC	30	ND (0.020)	ND (0.019)	ND (0.019)	ND (0.019)
Hexachlorobenzene	3.2	NC	NC	ND (0.026)	ND (0.025)	ND (0.025)	ND (0.025)
Hexachlorobutadiene	NC	NC	NC	ND (0.036)	ND (0.035)	ND (0.034)	ND (0.034)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachloroethane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.013)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.019)	ND (0.018)	ND (0.018)	ND (0.018)
Isophorone	NC	1,000	NC	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.023)
Naphthalene	12	NC	12	ND (0.028)	ND (0.027)	ND (0.027)	ND (0.027)
Nitrobenzene	NC	140	NC	ND (0.032)	ND (0.032)	ND (0.031)	ND (0.031)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.023)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Phenanthrene	500	NC	100	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.023)
Phenol	0.33	NC	0.33	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.015)
Pyrene	500	NC	100	ND (0.027)	ND (0.026)	ND (0.026)	ND (0.026)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-27	Turnpike Basin 8C IS-28	Turnpike Basin 8C IS-29	Turnpike Basin 8C IS-30
SAMPLE ID:							
LAB ID:				09383-009	09383-001	09383-002	09383-003
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.016)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.037)
2,4-Dimethylphenol	NC	NC	NC	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.027)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.014)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.033)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.022)
2-Chloronaphthalene	NC	NC	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.035)
2-Chlorophenol	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.016)
2-Methylnaphthalene	NC	NC	NC	ND (0.029)	ND (0.030)	ND (0.029)	ND (0.031)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.030)
2-Nitroaniline	NC	NC	NC	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.023)
2-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.028)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
3-Nitroaniline	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.021)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.022)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.033)
4-Chloroaniline	NC	1,000	NC	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.035)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.017)
4-Nitroaniline	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
4-Nitrophenol	NC	NC	NC	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.028)
Acenaphthene	98	NC	20	ND (0.028)	ND (0.029)	ND (0.028)	ND (0.030)
Acenaphthylene	107	NC	100	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
Acetophenone	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.013)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.036)
Atrazine	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
Benzaldehyde	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.014)
Benzo[a]anthracene	1	NC	1	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.036)
Benzo[a]pyrene	1	NC	1	ND (0.019)	ND (0.020)	ND (0.020)	ND (0.021)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.018)	ND (0.019)	ND (0.019)	ND (0.020)
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.014)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.032)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.026)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.014)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.018)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
Caprolactam	NC	NC	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
Carbazole	NC	NC	NC	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.022)
Chrysene	1	NC	1	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.025)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.023)
Dibenzofuran	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Diethyl phthalate	NC	1,000	NC	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.028)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.027)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
Fluorene	386	NC	30	ND (0.019)	ND (0.020)	ND (0.019)	ND (0.020)
Hexachlorobenzene	3.2	NC	NC	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.027)
Hexachlorobutadiene	NC	NC	NC	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.036)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Hexachloroethane	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.014)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.019)
Isophorone	NC	1,000	NC	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.024)
Naphthalene	12	NC	12	ND (0.027)	ND (0.028)	ND (0.027)	ND (0.029)
Nitrobenzene	NC	140	NC	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.033)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.025)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.016)
Pentachlorophenol	0.8	NC	0.8	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.016)
Phenanthrene	500	NC	100	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.025)
Phenol	0.33	NC	0.33	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
Pyrene	500	NC	100	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.028)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	SAMPLE ID:				Bayonne FD-1	Bayonne FD-2	Bayonne FD-3	Bayonne FD-4
	LAB ID:				JB33052-1A	JB33052-2A	JB33052-3A	JB33052-4A
	COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
	SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	
	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	ND (0.0037)	ND (0.0036)	ND (0.0035)	
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0097)	ND (0.0097)	ND (0.0095)	ND (0.0091)	
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.033)	ND (0.032)	ND (0.031)	
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.035)	
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.028)	
2,4-Dichlorophenol	NC	1,000	NC	ND (0.051)	ND (0.051)	ND (0.050)	ND (0.048)	
2,4-Dimethylphenol	NC	NC	NC	ND (0.053)	ND (0.053)	ND (0.052)	ND (0.050)	
2,4-Dinitrophenol	NC	1,000	NC	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.036)	
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)	
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)	
2-Chloronaphthalene	NC	NC	NC	ND (0.0098)	ND (0.0098)	ND (0.0096)	ND (0.0092)	
2-Chlorophenol	NC	1,000	NC	ND (0.032)	ND (0.032)	ND (0.031)	ND (0.030)	
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.017)	
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.036)	ND (0.036)	ND (0.035)	ND (0.034)	
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)	
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.034)	ND (0.033)	ND (0.032)	
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.040)	ND (0.039)	ND (0.038)	
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0080)	ND (0.0080)	ND (0.0079)	ND (0.0076)	
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.012)	
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.036)	
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.031)	ND (0.030)	
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0095)	
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0095)	ND (0.0095)	ND (0.0094)	ND (0.0090)	
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	
4-Nitrophenol	NC	NC	NC	ND (0.053)	ND (0.053)	ND (0.053)	ND (0.050)	
Acenaphthene	98	NC	20	ND (0.0092)	ND (0.0092)	ND (0.0090)	ND (0.0086)	
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0095)	
Acetophenone	NC	NC	NC	ND (0.0056)	ND (0.0056)	ND (0.0055)	ND (0.0052)	
Aniline	NC	1,000	NC	NA	NA	NA	NA	
Anthracene	500	NC	100	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	
Atrazine	NC	NC	NC	ND (0.0062)	ND (0.0062)	ND (0.0061)	ND (0.0059)	
Benzaldehyde	NC	NC	NC	ND (0.0073)	ND (0.0073)	ND (0.0072)	ND (0.0068)	
Benzo[a]anthracene	1	NC	1	ND (0.0094)	0.0151	J 0.0228	J 0.0188	
Benzo[a]pyrene	1	NC	1	ND (0.0088)	0.0154	J 0.0221	J 0.0164	
Benzo[b]fluoranthene	1.7	NC	1	ND (0.0096)	ND (0.011)	0.0182	J 0.0126	
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	0.0138	J ND (0.011)	
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.011)	0.0122	J 0.0195	J 0.0129	
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA	
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)	
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0095)	ND (0.0095)	ND (0.0094)	ND (0.0090)	
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0094)	ND (0.0094)	ND (0.0092)	ND (0.0088)	
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	ND (0.028)	ND (0.027)	ND (0.026)	
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.017)	
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.0098)	ND (0.0094)	
Carbazole	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.014)	
Chrysene	1	NC	1	ND (0.0097)	0.0132	J 0.0182	J 0.0147	
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	
Dibenzofuran	NC	NC	NC	ND (0.0094)	ND (0.0094)	ND (0.0092)	ND (0.0088)	
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)	
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0070)	ND (0.0070)	ND (0.0069)	ND (0.0066)	
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	
Fluoranthene	500	NC	100	0.0133	J ND (0.014)	0.042	0.0231	
Fluorene	386	NC	30	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0098)	
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0097)	
Hexachlorobutadiene	NC	NC	NC	ND (0.0088)	ND (0.0088)	ND (0.0086)	ND (0.0083)	
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.030)	
Hexachloroethane	NC	NC	NC	ND (0.0088)	ND (0.0088)	ND (0.0086)	ND (0.0083)	
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.010)	ND (0.011)	0.0119	J ND (0.010)	
Isophorone	NC	1,000	NC	ND (0.0085)	ND (0.0085)	ND (0.0084)	ND (0.0080)	
Naphthalene	12	NC	12	ND (0.0086)	ND (0.0086)	ND (0.0085)	ND (0.0081)	
Nitrobenzene	NC	140	NC	ND (0.0091)	ND (0.0091)	ND (0.0090)	ND (0.0086)	
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0077)	ND (0.0077)	ND (0.0076)	ND (0.0073)	
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.018)	
Pentachlorophenol	0.8	NC	0.8	ND (0.054)	ND (0.054)	ND (0.053)	ND (0.051)	
Phenanthrene	500	NC	100	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	
Phenol	0.33	NC	0.33	ND (0.033)	ND (0.033)	ND (0.033)	ND (0.031)	
Pyrene	500	NC	100	0.0127	0.0127	0.0306	0.0226	
Total TIC, Semi-Volatile	NC	NC	NC	0.026	0.0686	0.1991	0.1211	
Total Alkanes	NC	NC	NC	ND	ND	ND	ND	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	SAMPLE ID:				Bayonne FD-5	Bayonne FD-6	Bayonne FD-7	Bayonne FD-8
	LAB ID:				JB33052-5A	JB33052-6A	JB33052-7A	JB33052-8A
	COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
	SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	
	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	
1,1'-Biphenyl	NC	NC	NC	ND (0.0035)	ND (0.0038)	ND (0.0039)	ND (0.0039)	
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0094)	ND (0.010)	ND (0.010)	ND (0.010)	
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.031)	ND (0.034)	ND (0.034)	ND (0.034)	
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.035)	ND (0.038)	ND (0.039)	ND (0.039)	
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.029)	ND (0.031)	ND (0.031)	ND (0.031)	
2,4-Dichlorophenol	NC	1,000	NC	ND (0.049)	ND (0.052)	ND (0.054)	ND (0.054)	
2,4-Dimethylphenol	NC	NC	NC	ND (0.051)	ND (0.055)	ND (0.056)	ND (0.056)	
2,4-Dinitrophenol	NC	1,000	NC	ND (0.037)	ND (0.040)	ND (0.041)	ND (0.041)	
2,4-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.015)	ND (0.015)	
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.013)	
2-Chloronaphthalene	NC	NC	NC	ND (0.0094)	ND (0.010)	ND (0.010)	ND (0.010)	
2-Chlorophenol	NC	1,000	NC	ND (0.031)	ND (0.033)	ND (0.034)	ND (0.034)	
2-Methylnaphthalene	NC	NC	NC	ND (0.017)	ND (0.018)	ND (0.019)	ND (0.019)	
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.035)	ND (0.037)	ND (0.038)	ND (0.038)	
2-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.015)	ND (0.015)	
2-Nitrophenol	NC	NC	NC	ND (0.032)	ND (0.035)	ND (0.035)	ND (0.035)	
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.041)	ND (0.042)	ND (0.042)	
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0077)	ND (0.0083)	ND (0.0085)	ND (0.0085)	
3-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.013)	ND (0.013)	
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.037)	ND (0.040)	ND (0.041)	ND (0.041)	
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)	
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.030)	ND (0.033)	ND (0.033)	ND (0.033)	
4-Chloroaniline	NC	1,000	NC	ND (0.0098)	ND (0.010)	ND (0.011)	ND (0.011)	
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0092)	ND (0.0098)	ND (0.010)	ND (0.010)	
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.013)	ND (0.013)	
4-Nitrophenol	NC	NC	NC	ND (0.051)	ND (0.055)	ND (0.057)	ND (0.057)	
Acenaphthene	98	NC	20	ND (0.0088)	ND (0.0095)	ND (0.0097)	ND (0.0097)	
Acenaphthylene	107	NC	100	ND (0.0098)	ND (0.010)	ND (0.011)	ND (0.011)	
Acetophenone	NC	NC	NC	ND (0.0054)	ND (0.0057)	ND (0.0059)	ND (0.0059)	
Aniline	NC	1,000	NC	NA	NA	NA	NA	
Anthracene	500	NC	100	ND (0.011)	ND (0.011)	ND (0.012)	0.0146 J	
Atrazine	NC	NC	NC	ND (0.0060)	ND (0.0064)	ND (0.0066)	ND (0.0066)	
Benzaldehyde	NC	NC	NC	ND (0.0070)	ND (0.0075)	ND (0.0077)	ND (0.0077)	
Benzo[a]anthracene	1	NC	1	ND (0.0099)	ND (0.011)	ND (0.011)	0.0655	
Benzo[a]pyrene	1	NC	1	ND (0.0093)	ND (0.0099)	ND (0.010)	0.0509	
Benzo[b]fluoranthene	1.7	NC	1	ND (0.010)	ND (0.011)	ND (0.011)	0.034	
Benzo[g,h,i]perylene	500	NC	100	ND (0.011)	ND (0.012)	ND (0.012)	0.0333	
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.011)	ND (0.012)	ND (0.013)	0.0433	
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA	
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.014)	ND (0.014)	
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0092)	ND (0.0098)	ND (0.010)	ND (0.010)	
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0091)	ND (0.0097)	ND (0.0099)	ND (0.0099)	
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.027)	ND (0.029)	ND (0.030)	ND (0.030)	
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.019)	ND (0.019)	ND (0.019)	
Caprolactam	NC	NC	NC	ND (0.0096)	ND (0.010)	ND (0.011)	ND (0.011)	
Carbazole	NC	NC	NC	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.015)	
Chrysene	1	NC	1	ND (0.010)	ND (0.011)	ND (0.011)	0.071	
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	
Dibenzofuran	NC	NC	NC	ND (0.0091)	ND (0.0097)	ND (0.0099)	ND (0.0099)	
Diethyl phthalate	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.012)	
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0068)	ND (0.0072)	ND (0.0074)	ND (0.0074)	
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.016)	
Fluoranthene	500	NC	100	ND (0.013)	ND (0.014)	ND (0.015)	0.084	
Fluorene	386	NC	30	ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	
Hexachlorobenzene	3.2	NC	NC	ND (0.0099)	ND (0.011)	ND (0.011)	ND (0.011)	
Hexachlorobutadiene	NC	NC	NC	ND (0.0085)	ND (0.0091)	ND (0.0093)	ND (0.0093)	
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.031)	ND (0.033)	ND (0.034)	ND (0.034)	
Hexachloroethane	NC	NC	NC	ND (0.0085)	ND (0.0091)	ND (0.0093)	ND (0.0093)	
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.011)	ND (0.011)	ND (0.012)	0.0281 J	
Isophorone	NC	1,000	NC	ND (0.0082)	ND (0.0088)	ND (0.0090)	ND (0.0090)	
Naphthalene	12	NC	12	ND (0.0083)	ND (0.0089)	ND (0.0091)	ND (0.0091)	
Nitrobenzene	NC	140	NC	ND (0.0088)	ND (0.0094)	ND (0.0097)	ND (0.0097)	
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0074)	ND (0.0080)	ND (0.0082)	ND (0.0082)	
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.018)	ND (0.019)	ND (0.020)	ND (0.020)	
Pentachlorophenol	0.8	NC	0.8	ND (0.052)	ND (0.056)	ND (0.057)	ND (0.057)	
Phenanthrene	500	NC	100	ND (0.014)	ND (0.015)	ND (0.015)	0.0368	
Phenol	0.33	NC	0.33	ND (0.032)	ND (0.034)	ND (0.035)	ND (0.035)	
Pyrene	500	NC	100	ND (0.012)	ND (0.013)	ND (0.013)	0.102	
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	0.5208	
Total Alkanes	NC	NC	NC	ND	ND	ND	ND	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

				Bayonne FD-9	Bayonne FD-10	Bayonne FD-11	Bayonne FD-12
SAMPLE ID:							
LAB ID:				JB33052-9A	JB33052-10A	JB33052-11A	JB33052-12A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0040)	ND (0.0040)	ND (0.0040)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.036)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.040)	ND (0.040)	ND (0.040)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.032)	ND (0.032)	ND (0.032)	ND (0.033)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.055)	ND (0.055)	ND (0.055)	ND (0.056)
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.057)	ND (0.057)	ND (0.058)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.042)	ND (0.042)	ND (0.042)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.035)
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.040)
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
2-Nitrophenol	NC	NC	NC	ND (0.037)	ND (0.036)	ND (0.036)	ND (0.037)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.044)	ND (0.043)	ND (0.043)	ND (0.044)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0087)	ND (0.0087)	ND (0.0087)	ND (0.0088)
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.042)	ND (0.042)	ND (0.042)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.013)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.035)
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.014)
4-Nitrophenol	NC	NC	NC	ND (0.058)	ND (0.058)	ND (0.058)	ND (0.059)
Acenaphthene	98	NC	20	ND (0.010)	ND (0.0099)	ND (0.0099)	ND (0.010)
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Acetophenone	NC	NC	NC	ND (0.0061)	ND (0.0060)	ND (0.0060)	ND (0.0061)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Atrazine	NC	NC	NC	ND (0.0068)	ND (0.0067)	ND (0.0067)	ND (0.0068)
Benzaldehyde	NC	NC	NC	ND (0.0079)	ND (0.0078)	ND (0.0078)	ND (0.0080)
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Benzo[a]pyrene	1	NC	1	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.011)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.012)
Benzo[g,h,i]perylene	500	NC	100	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.031)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Carbazole	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
Chrysene	1	NC	1	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0076)	ND (0.0076)	ND (0.0076)	ND (0.0077)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)
Fluoranthene	500	NC	100	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)
Fluorene	386	NC	30	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0096)	ND (0.0095)	ND (0.0095)	ND (0.0097)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.035)	ND (0.035)	ND (0.035)
Hexachloroethane	NC	NC	NC	ND (0.0096)	ND (0.0095)	ND (0.0095)	ND (0.0097)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Isophorone	NC	1,000	NC	ND (0.0093)	ND (0.0092)	ND (0.0092)	ND (0.0093)
Naphthalene	12	NC	12	ND (0.0094)	ND (0.0093)	ND (0.0093)	ND (0.0095)
Nitrobenzene	NC	140	NC	ND (0.010)	ND (0.0099)	ND (0.0098)	ND (0.010)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0084)	ND (0.0083)	ND (0.0083)	ND (0.0085)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.021)
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.058)	ND (0.058)	ND (0.059)
Phenanthrene	500	NC	100	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.036)	ND (0.036)	ND (0.036)
Pyrene	500	NC	100	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

				Bayonne FD-13	Bayonne FD-14	Bayonne FD-15	Bayonne FD-16
SAMPLE ID:				JB33052-13A	JB33052-14A	JB33052-15A	JB33052-16A
LAB ID:				4/2/13	4/2/13	4/2/13	4/2/13
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:				Result	Result	Result	Result
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0037)	ND (0.0041)	ND (0.0038)	ND (0.0040)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.0098)	ND (0.011)	ND (0.0099)	ND (0.011)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.033)	ND (0.037)	ND (0.033)	ND (0.035)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.037)	ND (0.041)	ND (0.038)	ND (0.040)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.030)	ND (0.033)	ND (0.030)	ND (0.032)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.051)	ND (0.057)	ND (0.052)	ND (0.055)
2,4-Dimethylphenol	NC	NC	NC	ND (0.053)	ND (0.060)	ND (0.054)	ND (0.058)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.039)	ND (0.043)	ND (0.040)	ND (0.042)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.015)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.012)	ND (0.013)
2-Chloronaphthalene	NC	NC	NC	ND (0.0099)	ND (0.011)	ND (0.010)	ND (0.011)
2-Chlorophenol	NC	1,000	NC	ND (0.032)	ND (0.036)	ND (0.033)	ND (0.035)
2-Methylnaphthalene	NC	NC	NC	ND (0.018)	ND (0.020)	ND (0.018)	ND (0.019)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.036)	ND (0.041)	ND (0.037)	ND (0.039)
2-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.015)
2-Nitrophenol	NC	NC	NC	ND (0.034)	ND (0.038)	ND (0.034)	ND (0.036)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.040)	ND (0.045)	ND (0.041)	ND (0.044)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0081)	ND (0.0090)	ND (0.0082)	ND (0.0087)
3-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.039)	ND (0.043)	ND (0.040)	ND (0.042)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.012)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.032)	ND (0.036)	ND (0.032)	ND (0.034)
4-Chloroaniline	NC	1,000	NC	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.0097)	ND (0.010)
4-Nitroaniline	NC	NC	NC	ND (0.012)	ND (0.014)	ND (0.013)	ND (0.013)
4-Nitrophenol	NC	NC	NC	ND (0.054)	ND (0.060)	ND (0.055)	ND (0.058)
Acenaphthene	98	NC	20	ND (0.0092)	ND (0.010)	ND (0.0094)	ND (0.0099)
Acenaphthylene	107	NC	100	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
Acetophenone	NC	NC	NC	ND (0.0056)	ND (0.0063)	ND (0.0057)	ND (0.0060)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.011)	ND (0.012)	0.0285 J	ND (0.012)
Atrazine	NC	NC	NC	ND (0.0063)	ND (0.0070)	ND (0.0064)	ND (0.0068)
Benzaldehyde	NC	NC	NC	ND (0.0073)	ND (0.0082)	ND (0.0074)	ND (0.0079)
Benzo[a]anthracene	1	NC	1	ND (0.010)	ND (0.012)	0.104	ND (0.011)
Benzo[a]pyrene	1	NC	1	ND (0.0097)	ND (0.011)	0.13	ND (0.010)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.011)	ND (0.012)	0.0954	ND (0.011)
Benzo[g,h,i]perylene	500	NC	100	ND (0.012)	ND (0.013)	0.163	ND (0.013)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.012)	ND (0.013)	0.0388	ND (0.013)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.0096)	ND (0.011)	ND (0.0097)	ND (0.010)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.0094)	ND (0.011)	ND (0.0096)	ND (0.010)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.028)	ND (0.031)	ND (0.029)	ND (0.030)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.018)	ND (0.021)	ND (0.019)	ND (0.020)
Caprolactam	NC	NC	NC	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
Carbazole	NC	NC	NC	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.016)
Chrysene	1	NC	1	ND (0.011)	ND (0.012)	0.128	ND (0.012)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.011)	ND (0.012)	0.0375	ND (0.012)
Dibenzofuran	NC	NC	NC	ND (0.0094)	ND (0.011)	ND (0.0096)	ND (0.010)
Diethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)
Dimethyl phthalate	NC	1,000	NC	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.012)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0071)	ND (0.0079)	ND (0.0072)	ND (0.0076)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.017)
Fluoranthene	500	NC	100	ND (0.014)	ND (0.016)	0.154	ND (0.015)
Fluorene	386	NC	30	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.011)
Hexachlorobenzene	3.2	NC	NC	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.011)
Hexachlorobutadiene	NC	NC	NC	ND (0.0088)	ND (0.0099)	ND (0.0090)	ND (0.0095)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.032)	ND (0.036)	ND (0.033)	ND (0.035)
Hexachloroethane	NC	NC	NC	ND (0.0088)	ND (0.0099)	ND (0.0090)	ND (0.0095)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.011)	ND (0.012)	0.0765	ND (0.012)
Isophorone	NC	1,000	NC	ND (0.0086)	ND (0.0096)	ND (0.0087)	ND (0.0092)
Naphthalene	12	NC	12	ND (0.0087)	ND (0.0097)	ND (0.0088)	ND (0.0094)
Nitrobenzene	NC	140	NC	ND (0.0092)	ND (0.010)	ND (0.0094)	ND (0.0099)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0078)	ND (0.0087)	ND (0.0079)	ND (0.0084)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.019)	ND (0.021)	ND (0.019)	ND (0.020)
Pentachlorophenol	0.8	NC	0.8	ND (0.054)	ND (0.061)	ND (0.055)	ND (0.059)
Phenanthrene	500	NC	100	ND (0.014)	ND (0.016)	0.0782	ND (0.016)
Phenol	0.33	NC	0.33	ND (0.033)	ND (0.037)	ND (0.034)	ND (0.036)
Pyrene	500	NC	100	ND (0.012)	ND (0.014)	0.18	ND (0.013)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	1.1854	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Bayonne FD-17	Bayonne FD-18	Bayonne FD-19	Bayonne FD-20	
				SAMPLE ID:				
				LAB ID:	JB33052-17A	JB33052-18A	JB33052-19A	JB33052-20A
				COLLECTION DATE:	4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	
				Result	Result	Result	Result	
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0037)	ND (0.0037)	ND (0.0038)	
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.0099)	ND (0.0097)	ND (0.0099)	
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.035)	ND (0.033)	ND (0.033)	ND (0.033)	
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.037)	ND (0.037)	ND (0.038)	
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.032)	ND (0.030)	ND (0.030)	ND (0.030)	
2,4-Dichlorophenol	NC	1,000	NC	ND (0.055)	ND (0.052)	ND (0.051)	ND (0.052)	
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.054)	ND (0.053)	ND (0.054)	
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.039)	ND (0.039)	ND (0.040)	
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)	
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.0098)	ND (0.010)	
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.033)	ND (0.032)	ND (0.033)	
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.018)	ND (0.018)	ND (0.018)	
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.037)	ND (0.036)	ND (0.037)	
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	
2-Nitrophenol	NC	NC	NC	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.034)	
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.043)	ND (0.041)	ND (0.040)	ND (0.041)	
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0087)	ND (0.0082)	ND (0.0080)	ND (0.0082)	
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)	
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.039)	ND (0.039)	ND (0.040)	
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.012)	
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.034)	ND (0.032)	ND (0.032)	ND (0.032)	
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)	
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.0097)	ND (0.0095)	ND (0.0097)	
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.013)	
4-Nitrophenol	NC	NC	NC	ND (0.058)	ND (0.055)	ND (0.053)	ND (0.055)	
Acenaphthene	98	NC	20	ND (0.0099)	ND (0.0094)	ND (0.0092)	ND (0.0094)	
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.010)	
Acetophenone	NC	NC	NC	ND (0.0060)	ND (0.0057)	ND (0.0056)	ND (0.0057)	
Aniline	NC	1,000	NC	NA	NA	NA	NA	
Anthracene	500	NC	100	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Atrazine	NC	NC	NC	ND (0.0067)	ND (0.0064)	ND (0.0062)	ND (0.0064)	
Benzaldehyde	NC	NC	NC	ND (0.0079)	ND (0.0074)	ND (0.0073)	ND (0.0075)	
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)	
Benzo[a]pyrene	1	NC	1	ND (0.010)	ND (0.0099)	ND (0.0096)	ND (0.0099)	
Benzo[b]fluoranthene	1.7	NC	1	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	
Benzo[g,h,i]perylene	500	NC	100	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)	
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)	
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA	
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)	
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.0097)	ND (0.0095)	ND (0.0097)	
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.0096)	ND (0.0094)	ND (0.0096)	
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.030)	ND (0.029)	ND (0.028)	ND (0.029)	
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.019)	ND (0.018)	ND (0.019)	
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.0099)	ND (0.010)	
Carbazole	NC	NC	NC	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.015)	
Chrysene	1	NC	1	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.0096)	ND (0.0094)	ND (0.0096)	
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0076)	ND (0.0072)	ND (0.0070)	ND (0.0072)	
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.016)	ND (0.015)	ND (0.016)	
Fluoranthene	500	NC	100	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	
Fluorene	386	NC	30	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)	
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.011)	
Hexachlorobutadiene	NC	NC	NC	ND (0.0095)	ND (0.0090)	ND (0.0088)	ND (0.0090)	
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.033)	ND (0.032)	ND (0.033)	
Hexachloroethane	NC	NC	NC	ND (0.0095)	ND (0.0090)	ND (0.0088)	ND (0.0090)	
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	
Isophorone	NC	1,000	NC	ND (0.0092)	ND (0.0087)	ND (0.0085)	ND (0.0087)	
Naphthalene	12	NC	12	ND (0.0093)	ND (0.0088)	ND (0.0086)	ND (0.0088)	
Nitrobenzene	NC	140	NC	ND (0.0099)	ND (0.0093)	ND (0.0091)	ND (0.0094)	
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0084)	ND (0.0079)	ND (0.0077)	ND (0.0079)	
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.020)	ND (0.019)	ND (0.019)	ND (0.019)	
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.055)	ND (0.054)	ND (0.055)	
Phenanthrene	500	NC	100	ND (0.016)	ND (0.015)	ND (0.014)	ND (0.015)	
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.034)	
Pyrene	500	NC	100	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)	
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND	
Total Alkanes	NC	NC	NC	ND	ND	ND	ND	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR SEMIVOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Bayonne FD-21	Bayonne FD-22	Bayonne FD-DUP1	Bayonne FD-DUP2
LAB ID:				JB33052-21A	JB33052-22A	JB33052-23A	JB33052-24A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) (mg/Kg)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1'-Biphenyl	NC	NC	NC	ND (0.0040)	ND (0.0039)	ND (0.0040)	ND (0.0036)
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.0095)
2,3,4,6-Tetrachlorophenol	NC	NC	NC	ND (0.036)	ND (0.035)	ND (0.035)	ND (0.032)
2,4,5-Trichlorophenol	NC	1,000	NC	ND (0.040)	ND (0.039)	ND (0.040)	ND (0.036)
2,4,6-Trichlorophenol	NC	NC	NC	ND (0.033)	ND (0.032)	ND (0.032)	ND (0.029)
2,4-Dichlorophenol	NC	1,000	NC	ND (0.056)	ND (0.054)	ND (0.055)	ND (0.050)
2,4-Dimethylphenol	NC	NC	NC	ND (0.058)	ND (0.057)	ND (0.058)	ND (0.052)
2,4-Dinitrophenol	NC	1,000	NC	ND (0.042)	ND (0.041)	ND (0.042)	ND (0.038)
2,4-Dinitrotoluene	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.014)
2,6-Dinitrotoluene	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
2-Chloronaphthalene	NC	NC	NC	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.0096)
2-Chlorophenol	NC	1,000	NC	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.031)
2-Methylnaphthalene	NC	NC	NC	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.017)
2-Methylphenol (o-cresol)	0.33	NC	0.33	ND (0.039)	ND (0.038)	ND (0.039)	ND (0.035)
2-Nitroaniline	NC	NC	NC	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.014)
2-Nitrophenol	NC	NC	NC	ND (0.037)	ND (0.036)	ND (0.037)	ND (0.033)
3 & 4 Methylphenol (m&p-cresol)	0.33	NC	0.33	ND (0.044)	ND (0.043)	ND (0.044)	ND (0.039)
3,3'-Dichlorobenzidine	NC	NC	NC	ND (0.0088)	ND (0.0086)	ND (0.0087)	ND (0.0079)
3-Nitroaniline	NC	NC	NC	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.012)
4,6-Dinitro-2-methylphenol	NC	NC	NC	ND (0.042)	ND (0.041)	ND (0.042)	ND (0.038)
4-Bromophenyl phenyl ether	NC	NC	NC	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.011)
4-Chloro-3-methylphenol	NC	NC	NC	ND (0.035)	ND (0.034)	ND (0.034)	ND (0.031)
4-Chloroaniline	NC	1,000	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0099)
4-Chlorophenyl phenyl ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0094)
4-Nitroaniline	NC	NC	NC	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
4-Nitrophenol	NC	NC	NC	ND (0.058)	ND (0.057)	ND (0.058)	ND (0.053)
Acenaphthene	98	NC	20	ND (0.010)	ND (0.0098)	ND (0.010)	ND (0.0090)
Acenaphthylene	107	NC	100	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0099)
Acetophenone	NC	NC	NC	ND (0.0061)	ND (0.0059)	ND (0.0061)	ND (0.0055)
Aniline	NC	1,000	NC	NA	NA	NA	NA
Anthracene	500	NC	100	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Atrazine	NC	NC	NC	ND (0.0068)	ND (0.0066)	ND (0.0068)	ND (0.0061)
Benzaldehyde	NC	NC	NC	ND (0.0080)	ND (0.0077)	ND (0.0079)	ND (0.0071)
Benzo[a]anthracene	1	NC	1	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Benzo[a]pyrene	1	NC	1	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.0095)
Benzo[b]fluoranthene	1.7	NC	1	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.010)
Benzo[g,h,i]perylene	500	NC	100	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
Benzo[k]fluoranthene	1.7	NC	0.8	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
Benzoic Acid	NC	1,000	NC	NA	NA	NA	NA
Bis(2-chloroethoxy)methane	NC	NC	NC	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)
Bis(2-chloroethyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0094)
Bis(2-chloroisopropyl)ether	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0092)
Bis(2-ethylhexyl) phthalate	NC	NC	NC	ND (0.031)	ND (0.030)	ND (0.030)	ND (0.027)
Butyl benzyl phthalate	NC	1,000	NC	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.018)
Caprolactam	NC	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.0098)
Carbazole	NC	NC	NC	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.014)
Chrysene	1	NC	1	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Dibenz(a,h)anthracene	0.56	NC	0.33	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Dibenzofuran	NC	NC	NC	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.0092)
Diethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.011)
Dimethyl phthalate	NC	1,000	NC	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Di-n-butyl phthalate	NC	1,000	NC	ND (0.0077)	ND (0.0075)	ND (0.0076)	ND (0.0069)
Di-n-octyl phthalate	NC	1,000	NC	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.015)
Fluoranthene	500	NC	100	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.014)
Fluorene	386	NC	30	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Hexachlorobenzene	3.2	NC	NC	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.010)
Hexachlorobutadiene	NC	NC	NC	ND (0.0096)	ND (0.0094)	ND (0.0096)	ND (0.0086)
Hexachlorocyclopentadiene	NC	NC	NC	ND (0.035)	ND (0.034)	ND (0.035)	ND (0.032)
Hexachloroethane	NC	NC	NC	ND (0.0096)	ND (0.0094)	ND (0.0096)	ND (0.0086)
Indeno[1,2,3-cd]pyrene	5.6	NC	0.5	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)
Isophorone	NC	1,000	NC	ND (0.0093)	ND (0.0091)	ND (0.0093)	ND (0.0084)
Naphthalene	12	NC	12	ND (0.0094)	ND (0.0092)	ND (0.0094)	ND (0.0085)
Nitrobenzene	NC	140	NC	ND (0.010)	ND (0.0097)	ND (0.010)	ND (0.0090)
N-Nitroso-di-n-propylamine	NC	NC	NC	ND (0.0084)	ND (0.0082)	ND (0.0084)	ND (0.0076)
N-Nitrosodiphenylamine	NC	NC	NC	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.019)
Pentachlorophenol	0.8	NC	0.8	ND (0.059)	ND (0.058)	ND (0.059)	ND (0.053)
Phenanthrene	500	NC	100	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.014)
Phenol	0.33	NC	0.33	ND (0.036)	ND (0.035)	ND (0.036)	ND (0.033)
Pyrene	500	NC	100	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)
Total TIC, Semi-Volatile	NC	NC	NC	ND	ND	ND	ND
Total Alkanes	NC	NC	NC	ND	ND	ND	ND

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC)

^(B) - Criteria is from New York State Department of Environmental Conservation

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Weldon Fanwood Screening	Weldon Fanwood Select Fill	Allocco	Tilcon New York, Inc
SAMPLE ID:							
LAB ID:				JB15010-1A	JB15010-2A	1012806-01	07616-001
COLLECTION DATE:				8/29/12	8/29/12	1/24/11	8/3/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	<0.0062	<0.0054	<0.005	<0.00099
1,1,2,2-Tetrachloroethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	<0.0062	<0.0054	NA	<0.00495
1,1,2-Trichloroethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
1,1-Dichloroethane	0.27	NC	0.27	<0.0062	<0.0054	<0.005	<0.00099
1,1-Dichloroethene	0.33	NC	0.33	<0.0062	<0.0054	<0.005	<0.00099
1,2,3-Trichlorobenzene	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
1,2,4-Trichlorobenzene	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	<0.005	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	<0.012	<0.011	NA	<0.00099
1,2-Dibromoethane	NC	NC	NC	<0.0012	<0.0011	NA	<0.00099
1,2-Dichlorobenzene	1.1	NC	1.1	<0.0062	<0.0054	<0.005	<0.00099
1,2-Dichloroethane	0.02	NC	0.02	<0.0012	<0.0011	<0.005	<0.00099
1,2-Dichloropropane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
1,3-Dichlorobenzene	2.4	NC	2.4	<0.0062	<0.0054	<0.005	<0.00099
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	<0.005	NA
1,4-Dichlorobenzene	1.8	NC	1.8	<0.0062	<0.0054	<0.005	<0.00099
1,4-Dioxane	0.1	NC	0.1	<0.15	<0.13	<0.005	<0.198
2-Butanone (MEK)	0.12	1,000	NC	<0.012	<0.011	<0.005	<0.00198
2-Hexanone	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
4-Methyl-2-pentanone	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Acetone	0.05	NC	0.05	<0.012	<0.011	<0.050	0.011
Benzene	0.06	NC	0.06	<0.0012	<0.0011	<0.005	<0.00099
Bromochloromethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Bromodichloromethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Bromoform	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Bromomethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	<0.0062	<0.0054	NA	<0.00099
Carbon Tetrachloride	0.76	NC	0.76	<0.0062	<0.0054	<0.005	<0.00099
Chlorobenzene	1.1	NC	1.1	<0.0062	<0.0054	<0.005	<0.00099
Chloroethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Chloroform	0.37	NC	0.37	<0.0062	<0.0054	<0.005	<0.00198
Chloromethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
cis-1,2-Dichloroethene	0.25	NC	0.25	<0.0062	<0.0054	<0.005	<0.00099
cis-1,3-Dichloropropene	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Cyclohexane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00495
Dibromochloromethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Dichlorodifluoromethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Ethylbenzene	1	NC	1	<0.0012	<0.0011	<0.005	<0.00099
Isopropylbenzene	NC	1,000	NC	<0.0062	<0.0054	NA	<0.00099
m&p-Xylene	NC ¹	NC	NC	<0.0012	<0.0011	<0.010	NA
Methyl acetate	NC	NC	NC	<0.0062	<0.0054	NA	<0.00198
Methylcyclohexane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Methylene chloride	0.05	NC	0.05	<0.0062	<0.0054	<0.005	<0.00198
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	<0.0012	<0.0011	<0.005	<0.00099
n-Propylbenzene	3.9	NC	3.9	NA	NA	<0.005	NA
o-Xylene	NC ¹	NC	NC	<0.0012	<0.0011	<0.005	NA
sec-Butylbenzene	11	NC	11	NA	NA	<0.005	NA
Styrene	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	<0.005	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	<0.0062	<0.0054	<0.005	<0.00099
Toluene	0.7	NC	0.7	<0.0012	<0.0011	<0.005	<0.00099
trans-1,2-Dichloroethene	0.19	NC	0.19	<0.0062	<0.0054	<0.005	<0.00099
trans-1,3-Dichloropropene	NC	NC	NC	<0.0062	<0.0054	NA	NA
Trichloroethene (TCE)	0.47	NC	0.47	<0.0062	<0.0054	<0.005	<0.00099
Trichlorofluoromethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Vinyl Chloride	0.02	NC	0.02	<0.0062	<0.0054	<0.005	<0.00099
Xylene (Total)	1.6	NC	0.26	<0.0012	<0.0011	NA	<0.00198

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Amboy Aggregates Sand	Amboy Aggregates Sand 1	Amboy Aggregates Sand 2	Bayshore Screening Pile - Soil 1
SAMPLE ID:				E11-12558-001	JB19430-1A	JB19430-2A	JB19431-1A
LAB ID:				E11-12558-001	JB19430-1A	JB19430-2A	JB19431-1A
COLLECTION DATE:				12/16/11	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	<0.001	<0.006	<0.0057	ND (0.00094)
1,1,2,2-Tetrachloroethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00012)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	<0.001	<0.006	<0.0057	ND (0.00038)
1,1,2-Trichloroethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00016)
1,1-Dichloroethane	0.27	NC	0.27	<0.001	<0.006	<0.0057	ND (0.00012)
1,1-Dichloroethene	0.33	NC	0.33	<0.001	<0.006	<0.0057	ND (0.00023)
1,2,3-Trichlorobenzene	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00015)
1,2,4-Trichlorobenzene	NC	NC	NC	<0.002	<0.006	<0.0057	ND (0.00012)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	<0.001	<0.012	<0.011	ND (0.00079)
1,2-Dibromoethane	NC	NC	NC	<0.001	<0.0012	<0.0011	ND (0.00011)
1,2-Dichlorobenzene	1.1	NC	1.1	<0.001	<0.006	<0.0057	ND (0.00017)
1,2-Dichloroethane	0.02	NC	0.02	<0.001	<0.0012	<0.0011	ND (0.00012)
1,2-Dichloropropane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00014)
1,3-Dichlorobenzene	2.4	NC	2.4	<0.001	<0.006	<0.0057	ND (0.00017)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	<0.001	<0.006	<0.0057	ND (0.00016)
1,4-Dioxane	0.1	NC	0.1	<0.200	<0.15	<0.14	ND (0.053)
2-Butanone (MEK)	0.12	1,000	NC	<0.005	<0.012	<0.011	ND (0.0021)
2-Hexanone	NC	NC	NC	<0.002	<0.006	<0.0057	ND (0.00055)
4-Methyl-2-pentanone	NC	NC	NC	<0.002	<0.006	<0.0057	ND (0.00067)
Acetone	0.05	NC	0.05	<0.005	<0.012	<0.011	ND (0.0015)
Benzene	0.06	NC	0.06	<0.001	<0.0012	<0.0011	ND (0.00011)
Bromochloromethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00024)
Bromodichloromethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00094)
Bromoform	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00013)
Bromomethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00024)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	<0.001	<0.006	<0.0057	ND (0.00010)
Carbon Tetrachloride	0.76	NC	0.76	<0.001	<0.006	<0.0057	ND (0.00012)
Chlorobenzene	1.1	NC	1.1	<0.001	<0.006	<0.0057	ND (0.00096)
Chloroethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00020)
Chloroform	0.37	NC	0.37	<0.002	<0.006	<0.0057	ND (0.00074)
Chloromethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00017)
cis-1,2-Dichloroethene	0.25	NC	0.25	<0.001	<0.006	<0.0057	ND (0.00016)
cis-1,3-Dichloropropene	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00012)
Cyclohexane	NC	NC	NC	<0.002	<0.006	<0.0057	ND (0.00011)
Dibromochloromethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00015)
Dichlorodifluoromethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00020)
Ethylbenzene	1	NC	1	<0.001	<0.0012	<0.0011	ND (0.00023)
Isopropylbenzene	NC	1,000	NC	<0.001	<0.006	<0.0057	ND (0.00066)
m&p-Xylene	NC ¹	NC	NC	NA	<0.0012	<0.0011	ND (0.00016)
Methyl acetate	NC	NC	NC	<0.002	<0.006	<0.0057	ND (0.00023)
Methylcyclohexane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00015)
Methylene chloride	0.05	NC	0.05	<0.002	0.0043	<0.0057	ND (0.0011)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	<0.002	<0.006	<0.0057	ND (0.00021)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	NA	<0.0012	<0.0011	ND (0.00012)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00082)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	<0.001	<0.006	<0.0057	ND (0.00015)
Toluene	0.7	NC	0.7	<0.001	<0.0012	<0.0011	ND (0.00094)
trans-1,2-Dichloroethene	0.19	NC	0.19	<0.001	<0.006	<0.0057	ND (0.00021)
trans-1,3-Dichloropropene	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00014)
Trichloroethene (TCE)	0.47	NC	0.47	<0.001	<0.006	<0.0057	ND (0.00016)
Trichlorofluoromethane	NC	NC	NC	<0.002	<0.006	<0.0057	ND (0.00027)
Vinyl Chloride	0.02	NC	0.02	<0.001	<0.006	<0.0057	ND (0.00013)
Xylene (Total)	1.6	NC	0.26	<0.002	<0.0012	<0.0011	ND (0.00012)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayshore Screening Pile - Soil 2	Bayshore Screening Pile - Soil 3	Bayshore Screening Pile - Soil 4	Bayshore Screening Pile - Soil 5
SAMPLE ID:				Soil 2	Soil 3	Soil 4	Soil 5
LAB ID:				JB19431-2A	JB19431-3A	JB19431-4A	JB19431-5A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00012)	ND (0.00019)	ND (0.00011)	ND (0.00012)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00015)	ND (0.00024)	ND (0.00013)	ND (0.00015)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00048)	ND (0.00079)	ND (0.00043)	ND (0.00050)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00019)	ND (0.00032)	ND (0.00018)	ND (0.00020)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00015)	ND (0.00025)	ND (0.00014)	ND (0.00016)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00028)	ND (0.00047)	ND (0.00026)	ND (0.00030)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00018)	ND (0.00030)	ND (0.00017)	ND (0.00019)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00025)	ND (0.00014)	ND (0.00016)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00099)	ND (0.0016)	ND (0.00090)	ND (0.0010)
1,2-Dibromoethane	NC	NC	NC	ND (0.00014)	ND (0.00023)	ND (0.00013)	ND (0.00015)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00021)	ND (0.00035)	ND (0.00019)	ND (0.00022)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00025)	ND (0.00014)	ND (0.00016)
1,2-Dichloropropane	NC	NC	NC	ND (0.00017)	ND (0.00028)	ND (0.00015)	ND (0.00018)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00021)	ND (0.00034)	ND (0.00019)	ND (0.00022)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00020)	ND (0.00032)	ND (0.00018)	ND (0.00021)
1,4-Dioxane	0.1	NC	0.1	ND (0.066)	ND (0.11)	ND (0.06)	ND (0.070)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0026)	ND (0.0044)	ND (0.0024)	ND (0.0028)
2-Hexanone	NC	NC	NC	ND (0.00069)	ND (0.0011)	ND (0.00063)	ND (0.00073)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00083)	ND (0.0014)	ND (0.00076)	ND (0.00088)
Acetone	0.05	NC	0.05	ND (0.0019)	ND (0.0031)	ND (0.0017)	ND (0.0020)
Benzene	0.06	NC	0.06	ND (0.00013)	ND (0.00022)	ND (0.00012)	ND (0.00014)
Bromochloromethane	NC	NC	NC	ND (0.00029)	ND (0.00049)	ND (0.00027)	ND (0.00031)
Bromodichloromethane	NC	NC	NC	ND (0.00012)	ND (0.00019)	ND (0.00011)	ND (0.00012)
Bromoform	NC	NC	NC	ND (0.00017)	ND (0.00028)	ND (0.00015)	ND (0.00018)
Bromomethane	NC	NC	NC	ND (0.00030)	ND (0.00050)	ND (0.00027)	ND (0.00032)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00021)	ND (0.00012)	ND (0.00014)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00015)	ND (0.00024)	ND (0.00013)	ND (0.00016)
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00020)	ND (0.00011)	ND (0.00013)
Chloroethane	NC	NC	NC	ND (0.00025)	ND (0.00042)	ND (0.00023)	ND (0.00027)
Chloroform	0.37	NC	0.37	ND (0.00092)	ND (0.00015)	ND (0.00083)	ND (0.00097)
Chloromethane	NC	NC	NC	ND (0.00021)	ND (0.00034)	ND (0.00019)	ND (0.00022)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00020)	ND (0.00034)	ND (0.00018)	ND (0.00021)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00015)	ND (0.00025)	ND (0.00014)	ND (0.00016)
Cyclohexane	NC	NC	NC	ND (0.00014)	ND (0.00023)	ND (0.00012)	ND (0.00014)
Dibromochloromethane	NC	NC	NC	ND (0.00018)	ND (0.00030)	ND (0.00017)	ND (0.00019)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00025)	ND (0.00042)	ND (0.00023)	ND (0.00027)
Ethylbenzene	1	NC	1	ND (0.00029)	ND (0.00048)	ND (0.00026)	ND (0.00031)
Isopropylbenzene	NC	1,000	NC	ND (0.00082)	ND (0.00014)	ND (0.00075)	ND (0.00087)
m&p-Xylene	NC ¹	NC	NC	ND (0.00019)	ND (0.00032)	ND (0.00018)	ND (0.00020)
Methyl acetate	NC	NC	NC	ND (0.0029)	ND (0.0048)	ND (0.0026)	ND (0.0030)
Methylcyclohexane	NC	NC	NC	ND (0.00019)	ND (0.00031)	ND (0.00017)	ND (0.00020)
Methylene chloride	0.05	NC	0.05	ND (0.0014)	ND (0.0023)	ND (0.0013)	ND (0.0015)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00026)	ND (0.00043)	ND (0.00024)	ND (0.00027)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00015)	ND (0.00025)	ND (0.00014)	ND (0.00016)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00010)	ND (0.00017)	ND (0.000092)	ND (0.00011)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00019)	ND (0.00032)	ND (0.00017)	ND (0.00020)
Toluene	0.7	NC	0.7	ND (0.00012)	ND (0.00019)	ND (0.00011)	ND (0.00012)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00026)	ND (0.00044)	ND (0.00024)	ND (0.00028)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00017)	ND (0.00028)	ND (0.00016)	ND (0.00018)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00019)	ND (0.00032)	ND (0.00018)	ND (0.00020)
Trichlorofluoromethane	NC	NC	NC	ND (0.00033)	ND (0.00055)	ND (0.00030)	ND (0.00035)
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00026)	ND (0.00014)	ND (0.00017)
Xylene (Total)	1.6	NC	0.26	ND (0.00015)	ND (0.00025)	ND (0.00014)	ND (0.00016)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayshore Screening Pile - Soil 6	Bayshore Screening Pile - Soil 7	Bayshore Screening Pile - Soil 8	Bayshore Screening Pile - Soil 9
SAMPLE ID:				Soil 6	Soil 7	Soil 8	Soil 9
LAB ID:				JB19431-6A	JB19431-7A	JB19431-8A	JB19431-9A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00012)	ND (0.00011)	ND (0.00012)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00014)	ND (0.00015)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00043)	ND (0.00050)	ND (0.00046)	ND (0.00047)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00017)	ND (0.00020)	ND (0.00019)	ND (0.00019)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00015)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00026)	ND (0.00030)	ND (0.00028)	ND (0.00028)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00016)	ND (0.00019)	ND (0.00018)	ND (0.00018)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00015)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00089)	ND (0.0010)	ND (0.00096)	ND (0.00098)
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00014)	ND (0.00014)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00019)	ND (0.00022)	ND (0.00020)	ND (0.00021)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00013)	ND (0.00016)	ND (0.00015)	ND (0.00015)
1,2-Dichloropropane	NC	NC	NC	ND (0.00015)	ND (0.00018)	ND (0.00017)	ND (0.00017)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00019)	ND (0.00022)	ND (0.00020)	ND (0.00021)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00020)	ND (0.00019)	ND (0.00019)
1,4-Dioxane	0.1	NC	0.1	ND (0.059)	ND (0.069)	ND (0.064)	ND (0.066)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0024)	ND (0.0028)	ND (0.0026)	ND (0.0026)
2-Hexanone	NC	NC	NC	ND (0.00062)	ND (0.00072)	ND (0.00067)	ND (0.00069)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00075)	ND (0.00087)	ND (0.00081)	ND (0.00083)
Acetone	0.05	NC	0.05	ND (0.0017)	ND (0.0020)	ND (0.0018)	ND (0.0019)
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00014)	ND (0.00013)	ND (0.00013)
Bromochloromethane	NC	NC	NC	ND (0.00026)	ND (0.00031)	ND (0.00029)	ND (0.00029)
Bromodichloromethane	NC	NC	NC	ND (0.00010)	ND (0.00012)	ND (0.00011)	ND (0.00012)
Bromoform	NC	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00016)	ND (0.00017)
Bromomethane	NC	NC	NC	ND (0.00027)	ND (0.00032)	ND (0.00029)	ND (0.00030)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	ND (0.00014)	ND (0.00013)	ND (0.00013)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00013)	ND (0.00015)	ND (0.00014)	ND (0.00015)
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.00013)	ND (0.00012)	ND (0.00012)
Chloroethane	NC	NC	NC	ND (0.00023)	ND (0.00026)	ND (0.00024)	ND (0.00025)
Chloroform	0.37	NC	0.37	ND (0.000082)	ND (0.000096)	ND (0.000089)	ND (0.000091)
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00022)	ND (0.00020)	ND (0.00021)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00018)	ND (0.00021)	ND (0.00020)	ND (0.00020)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00015)
Cyclohexane	NC	NC	NC	ND (0.00012)	ND (0.00014)	ND (0.00013)	ND (0.00014)
Dibromochloromethane	NC	NC	NC	ND (0.00016)	ND (0.00019)	ND (0.00018)	ND (0.00018)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00023)	ND (0.00026)	ND (0.00025)	ND (0.00025)
Ethylbenzene	1	NC	1	ND (0.00026)	ND (0.00030)	ND (0.00028)	ND (0.00029)
Isopropylbenzene	NC	1,000	NC	ND (0.000074)	ND (0.000086)	ND (0.000080)	ND (0.000082)
m&p-Xylene	NC ¹	NC	NC	ND (0.00017)	ND (0.00020)	ND (0.00019)	ND (0.00019)
Methyl acetate	NC	NC	NC	ND (0.0026)	ND (0.0030)	ND (0.0028)	ND (0.0029)
Methylcyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00020)	ND (0.00018)	ND (0.00019)
Methylene chloride	0.05	NC	0.05	ND (0.0013)	ND (0.0015)	ND (0.0014)	ND (0.0014)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00023)	ND (0.00027)	ND (0.00025)	ND (0.00026)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00015)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000091)	ND (0.00011)	ND (0.000099)	ND (0.00010)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00017)	ND (0.00020)	ND (0.00019)	ND (0.00019)
Toluene	0.7	NC	0.7	ND (0.00010)	ND (0.00012)	ND (0.00011)	ND (0.00012)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00024)	ND (0.00028)	ND (0.00026)	ND (0.00026)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00015)	ND (0.00018)	ND (0.00017)	ND (0.00017)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00017)	ND (0.00020)	ND (0.00019)	ND (0.00019)
Trichlorofluoromethane	NC	NC	NC	ND (0.00030)	ND (0.00034)	ND (0.00032)	ND (0.00033)
Vinyl Chloride	0.02	NC	0.02	ND (0.00014)	ND (0.00017)	ND (0.00016)	ND (0.00016)
Xylene (Total)	1.6	NC	0.26	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00015)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayshore Screening Pile - Soil 10	Bayshore Screening Pile - Soil 11	Bayshore Screening Pile - Soil 12	Bayshore Screening Pile - Soil 13
SAMPLE ID:				Soil 10	Soil 11	Soil 12	Soil 13
LAB ID:				JB19431-10A	JB19431-11A	JB19431-12A	JB19431-13A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00012)	ND (0.00013)	ND (0.00013)	ND (0.00012)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00016)	ND (0.00015)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00047)	ND (0.00054)	ND (0.00053)	ND (0.00049)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00019)	ND (0.00022)	ND (0.00022)	ND (0.00020)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00015)	ND (0.00017)	ND (0.00017)	ND (0.00016)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00028)	ND (0.00032)	ND (0.00032)	ND (0.00029)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00018)	ND (0.00020)	ND (0.00020)	ND (0.00019)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00017)	ND (0.00016)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00097)	ND (0.0011)	ND (0.0011)	ND (0.0010)
1,2-Dibromoethane	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00016)	ND (0.00014)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00021)	ND (0.00024)	ND (0.00023)	ND (0.00022)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00017)	ND (0.00017)	ND (0.00015)
1,2-Dichloropropane	NC	NC	NC	ND (0.00017)	ND (0.00019)	ND (0.00019)	ND (0.00018)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00020)	ND (0.00023)	ND (0.00023)	ND (0.00021)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00019)	ND (0.00022)	ND (0.00022)	ND (0.00020)
1,4-Dioxane	0.1	NC	0.1	ND (0.065)	ND (0.074)	ND (0.074)	ND (0.068)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0026)	ND (0.0030)	ND (0.0030)	ND (0.0027)
2-Hexanone	NC	NC	NC	ND (0.00068)	ND (0.00078)	ND (0.00077)	ND (0.00071)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00082)	ND (0.00094)	ND (0.00093)	ND (0.00085)
Acetone	0.05	NC	0.05	ND (0.0018)	ND (0.0021)	ND (0.0021)	ND (0.0019)
Benzene	0.06	NC	0.06	ND (0.00013)	ND (0.00015)	ND (0.00015)	ND (0.00014)
Bromochloromethane	NC	NC	NC	ND (0.00029)	ND (0.00033)	ND (0.00033)	ND (0.00030)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00013)	ND (0.00013)	ND (0.00012)
Bromoform	NC	NC	NC	ND (0.00016)	ND (0.00019)	ND (0.00019)	ND (0.00017)
Bromomethane	NC	NC	NC	ND (0.00030)	ND (0.00034)	ND (0.00034)	ND (0.00031)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00015)	ND (0.00015)	ND (0.00013)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00017)	ND (0.00017)	ND (0.00015)
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00013)	ND (0.00013)	ND (0.00012)
Chloroethane	NC	NC	NC	ND (0.00025)	ND (0.00028)	ND (0.00028)	ND (0.00026)
Chloroform	0.37	NC	0.37	ND (0.000090)	ND (0.00010)	ND (0.00010)	ND (0.000094)
Chloromethane	NC	NC	NC	ND (0.00020)	ND (0.00023)	ND (0.00023)	ND (0.00021)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00020)	ND (0.00023)	ND (0.00023)	ND (0.00021)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00017)	ND (0.00016)
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00015)	ND (0.00014)
Dibromochloromethane	NC	NC	NC	ND (0.00018)	ND (0.00020)	ND (0.00020)	ND (0.00019)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00025)	ND (0.00028)	ND (0.00028)	ND (0.00026)
Ethylbenzene	1	NC	1	ND (0.00029)	ND (0.00033)	ND (0.00033)	ND (0.00030)
Isopropylbenzene	NC	1,000	NC	ND (0.000081)	ND (0.000093)	ND (0.000092)	ND (0.000085)
m&p-Xylene	NC ¹	NC	NC	ND (0.00019)	ND (0.00022)	ND (0.00022)	ND (0.00020)
Methyl acetate	NC	NC	NC	ND (0.00028)	ND (0.00032)	ND (0.00032)	ND (0.00030)
Methylcyclohexane	NC	NC	NC	ND (0.00018)	ND (0.00021)	ND (0.00021)	ND (0.00019)
Methylene chloride	0.05	NC	0.05	ND (0.0014)	ND (0.0016)	ND (0.0016)	ND (0.0014)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00026)	ND (0.00029)	ND (0.00029)	ND (0.00027)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00017)	ND (0.00016)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00010)	ND (0.00011)	ND (0.00011)	ND (0.00010)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00019)	ND (0.00021)	ND (0.00021)	ND (0.00020)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00013)	ND (0.00013)	ND (0.00012)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00026)	ND (0.00030)	ND (0.00030)	ND (0.00027)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00017)	ND (0.00019)	ND (0.00019)	ND (0.00018)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00019)	ND (0.00022)	ND (0.00022)	ND (0.00020)
Trichlorofluoromethane	NC	NC	NC	ND (0.00032)	ND (0.00037)	ND (0.00037)	ND (0.00034)
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00018)	ND (0.00018)	ND (0.00016)
Xylene (Total)	1.6	NC	0.26	ND (0.00015)	ND (0.00017)	ND (0.00017)	ND (0.00016)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayshore Screening Pile - Soil 14	Bayshore Screening Pile - Soil 15	Former Raritan Arsenal Fill - Soil 1	Former Raritan Arsenal Fill - Soil 2
SAMPLE ID:				Soil 14	Soil 15		
LAB ID:				JB19431-14A	JB19431-15A	JB19112-1A	JB19112-2A
COLLECTION DATE:				10/16/12	10/16/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00014)	ND (0.00011)	ND (0.00011)	ND (0.00014)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00018)	ND (0.00013)	ND (0.00013)	ND (0.00018)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00058)	ND (0.00043)	ND (0.00043)	ND (0.00059)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00023)	ND (0.00018)	ND (0.00017)	ND (0.00024)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00018)	ND (0.00014)	ND (0.00014)	ND (0.00019)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00034)	ND (0.00026)	ND (0.00026)	ND (0.00035)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00022)	ND (0.00017)	ND (0.00016)	ND (0.00022)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00014)	ND (0.00014)	ND (0.00019)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0012)	ND (0.00090)	ND (0.00089)	ND (0.0012)
1,2-Dibromoethane	NC	NC	NC	ND (0.00017)	ND (0.00013)	ND (0.00013)	ND (0.00017)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00025)	ND (0.00019)	ND (0.00019)	ND (0.00026)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00018)	ND (0.00014)	ND (0.00013)	ND (0.00018)
1,2-Dichloropropane	NC	NC	NC	ND (0.00021)	ND (0.00016)	ND (0.00015)	ND (0.00021)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00025)	ND (0.00019)	ND (0.00019)	ND (0.00025)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00024)	ND (0.00018)	ND (0.00018)	ND (0.00024)
1,4-Dioxane	0.1	NC	0.1	ND (0.080)	ND (0.060)	ND (0.059)	ND (0.081)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0032)	ND (0.0024)	ND (0.0024)	ND (0.0033)
2-Hexanone	NC	NC	NC	ND (0.00083)	ND (0.00063)	ND (0.00062)	ND (0.00085)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.0010)	ND (0.00076)	ND (0.00075)	ND (0.0010)
Acetone	0.05	NC	0.05	ND (0.0023)	ND (0.0017)	ND (0.0017)	ND (0.0023)
Benzene	0.06	NC	0.06	ND (0.00016)	ND (0.00012)	ND (0.00012)	ND (0.00016)
Bromochloromethane	NC	NC	NC	ND (0.00036)	ND (0.00027)	ND (0.00026)	ND (0.00036)
Bromodichloromethane	NC	NC	NC	ND (0.00014)	ND (0.00011)	ND (0.00010)	ND (0.00014)
Bromoform	NC	NC	NC	ND (0.00020)	ND (0.00015)	ND (0.00015)	ND (0.00021)
Bromomethane	NC	NC	NC	ND (0.00037)	ND (0.00028)	ND (0.00027)	ND (0.00037)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00016)	ND (0.00012)	ND (0.00012)	ND (0.00016)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00018)	ND (0.00013)	ND (0.00013)	ND (0.00018)
Chlorobenzene	1.1	NC	1.1	ND (0.00014)	ND (0.00011)	ND (0.00011)	ND (0.00015)
Chloroethane	NC	NC	NC	ND (0.00030)	ND (0.00023)	ND (0.00023)	ND (0.00031)
Chloroform	0.37	NC	0.37	ND (0.00011)	ND (0.000083)	ND (0.000082)	ND (0.00011)
Chloromethane	NC	NC	NC	ND (0.00025)	ND (0.00019)	ND (0.00019)	ND (0.00025)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00025)	ND (0.00018)	ND (0.00018)	ND (0.00025)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00019)	ND (0.00014)	ND (0.00014)	ND (0.00019)
Cyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00012)	ND (0.00012)	ND (0.00017)
Dibromochloromethane	NC	NC	NC	ND (0.00022)	ND (0.00017)	ND (0.00016)	ND (0.00022)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00031)	ND (0.00023)	ND (0.00023)	ND (0.00031)
Ethylbenzene	1	NC	1	ND (0.00035)	ND (0.00027)	ND (0.00026)	ND (0.00036)
Isopropylbenzene	NC	1,000	NC	ND (0.00010)	ND (0.000075)	ND (0.000074)	ND (0.00010)
m&p-Xylene	NC ¹	NC	NC	ND (0.00023)	ND (0.00018)	ND (0.00017)	ND (0.00024)
Methyl acetate	NC	NC	NC	ND (0.0035)	ND (0.0026)	ND (0.0026)	ND (0.0035)
Methylcyclohexane	NC	NC	NC	ND (0.00023)	ND (0.00017)	ND (0.00017)	ND (0.00023)
Methylene chloride	0.05	NC	0.05	ND (0.0017)	ND (0.0013)	0.0052	0.0066 J
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00032)	ND (0.00024)	ND (0.00023)	ND (0.00032)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00019)	ND (0.00014)	ND (0.00014)	ND (0.00019)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00012)	ND (0.000092)	ND (0.000091)	ND (0.00012)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00023)	ND (0.00017)	ND (0.00017)	ND (0.00023)
Toluene	0.7	NC	0.7	ND (0.00014)	ND (0.00011)	ND (0.00010)	ND (0.00014)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00032)	ND (0.00024)	ND (0.00024)	ND (0.00032)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00021)	ND (0.00016)	ND (0.00015)	ND (0.00021)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00023)	ND (0.00018)	ND (0.00017)	ND (0.00024)
Trichlorofluoromethane	NC	NC	NC	ND (0.00040)	ND (0.00030)	ND (0.00030)	ND (0.00041)
Vinyl Chloride	0.02	NC	0.02	ND (0.00019)	ND (0.00015)	ND (0.00014)	ND (0.00020)
Xylene (Total)	1.6	NC	0.26	ND (0.00019)	ND (0.00014)	ND (0.00014)	ND (0.00019)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 3	Former Raritan Arsenal Fill - Soil 4	Former Raritan Arsenal Fill - Soil 5	Former Raritan Arsenal Fill - Soil 6
LAB ID:				JB19112-3A	JB19112-4A	JB19112-5A	JB19112-6A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00020)	ND (0.00013)	ND (0.00012)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00025)	ND (0.00017)	ND (0.00015)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00044)	ND (0.00082)	ND (0.00054)	ND (0.00049)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00018)	ND (0.00033)	ND (0.00022)	ND (0.00020)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00026)	ND (0.00017)	ND (0.00015)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00026)	ND (0.00049)	ND (0.00032)	ND (0.00029)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00031)	ND (0.00021)	ND (0.00019)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00027)	ND (0.00017)	ND (0.00016)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00091)	ND (0.0017)	ND (0.0011)	ND (0.0010)
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00024)	ND (0.00016)	ND (0.00014)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00019)	ND (0.00036)	ND (0.00024)	ND (0.00021)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00014)	ND (0.00026)	ND (0.00017)	ND (0.00015)
1,2-Dichloropropane	NC	NC	NC	ND (0.00016)	ND (0.00030)	ND (0.00019)	ND (0.00017)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00019)	ND (0.00036)	ND (0.00023)	ND (0.00021)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00034)	ND (0.00022)	ND (0.00020)
1,4-Dioxane	0.1	NC	0.1	ND (0.061)	ND (0.11)	ND (0.075)	ND (0.067)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0024)	ND (0.0046)	ND (0.0030)	ND (0.0027)
2-Hexanone	NC	NC	NC	ND (0.00064)	ND (0.0012)	ND (0.00078)	ND (0.00070)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00077)	ND (0.0014)	ND (0.00094)	ND (0.00085)
Acetone	0.05	NC	0.05	ND (0.0017)	ND (0.0032)	ND (0.0021)	ND (0.0019)
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00023)	ND (0.00015)	ND (0.00013)
Bromochloromethane	NC	NC	NC	ND (0.00027)	ND (0.00051)	ND (0.00033)	ND (0.00030)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00020)	ND (0.00013)	ND (0.00012)
Bromoform	NC	NC	NC	ND (0.00015)	ND (0.00029)	ND (0.00019)	ND (0.00017)
Bromomethane	NC	NC	NC	ND (0.00028)	ND (0.00052)	ND (0.00034)	ND (0.00031)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	ND (0.00022)	ND (0.00015)	ND (0.00013)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00026)	ND (0.00017)	ND (0.00015)
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.00021)	ND (0.00014)	ND (0.00012)
Chloroethane	NC	NC	NC	ND (0.00023)	ND (0.00044)	ND (0.00028)	ND (0.00026)
Chloroform	0.37	NC	0.37	ND (0.00084)	ND (0.00016)	ND (0.00010)	ND (0.00093)
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00036)	ND (0.00023)	ND (0.00021)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00019)	ND (0.00035)	ND (0.00023)	ND (0.00021)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00027)	ND (0.00017)	ND (0.00016)
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00024)	ND (0.00016)	ND (0.00014)
Dibromochloromethane	NC	NC	NC	ND (0.00017)	ND (0.00031)	ND (0.00021)	ND (0.00019)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00023)	ND (0.00044)	ND (0.00029)	ND (0.00026)
Ethylbenzene	1	NC	1	ND (0.00027)	ND (0.00050)	ND (0.00033)	ND (0.00030)
Isopropylbenzene	NC	1,000	NC	ND (0.00076)	ND (0.00014)	ND (0.00093)	ND (0.00084)
m&p-Xylene	NC ¹	NC	NC	ND (0.00018)	ND (0.00033)	ND (0.00022)	ND (0.00020)
Methyl acetate	NC	NC	NC	ND (0.0027)	ND (0.0050)	ND (0.0033)	ND (0.0029)
Methylcyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00032)	ND (0.00021)	ND (0.00019)
Methylene chloride	0.05	NC	0.05	0.0048	0.0079	0.0052	0.0043
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00024)	ND (0.00045)	ND (0.00029)	ND (0.00027)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00014)	ND (0.00027)	ND (0.00017)	ND (0.00016)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00094)	ND (0.00018)	ND (0.00012)	ND (0.00010)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00018)	ND (0.00033)	ND (0.00022)	ND (0.00019)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00020)	ND (0.00013)	ND (0.00012)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00024)	ND (0.00046)	ND (0.00030)	ND (0.00027)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00030)	ND (0.00019)	ND (0.00018)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00018)	ND (0.00033)	ND (0.00022)	ND (0.00020)
Trichlorofluoromethane	NC	NC	NC	ND (0.00030)	ND (0.00057)	ND (0.00037)	ND (0.00034)
Vinyl Chloride	0.02	NC	0.02	ND (0.00015)	ND (0.00028)	ND (0.00018)	ND (0.00016)
Xylene (Total)	1.6	NC	0.26	ND (0.00014)	ND (0.00027)	ND (0.00017)	ND (0.00016)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

SAMPLE ID:				Former Raritan Arsenal Fill - Soil 7	Former Raritan Arsenal Fill - Soil 8	Former Raritan Arsenal Fill - Soil 9	Former Raritan Arsenal Fill - Soil 10	
LAB ID:				JB19112-7A	JB19112-8A	JB19112-9A	JB19112-10A	
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12	
SAMPLE MATRIX:				Soil	Soil	Soil	Soil	
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg	
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00013)	
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00013)	ND (0.00013)	ND (0.00015)	ND (0.00016)	
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00043)	ND (0.00043)	ND (0.00050)	ND (0.00053)	
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00017)	ND (0.00018)	ND (0.00020)	ND (0.00021)	
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00017)	
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00026)	ND (0.00026)	ND (0.00030)	ND (0.00031)	
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00016)	ND (0.00017)	ND (0.00019)	ND (0.00020)	
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00017)	
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00089)	ND (0.00090)	ND (0.0010)	ND (0.0011)	
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00013)	ND (0.00015)	ND (0.00016)	
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00019)	ND (0.00019)	ND (0.00022)	ND (0.00023)	
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00017)	
1,2-Dichloropropane	NC	NC	NC	ND (0.00015)	ND (0.00016)	ND (0.00018)	ND (0.00019)	
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00019)	ND (0.00019)	ND (0.00022)	ND (0.00023)	
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA	
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00018)	ND (0.00020)	ND (0.00022)	
1,4-Dioxane	0.1	NC	0.1	ND (0.060)	ND (0.060)	ND (0.069)	ND (0.073)	
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0024)	ND (0.0024)	ND (0.0028)	ND (0.0029)	
2-Hexanone	NC	NC	NC	ND (0.00062)	ND (0.00063)	ND (0.00072)	ND (0.00076)	
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00075)	ND (0.00076)	ND (0.00087)	ND (0.00092)	
Acetone	0.05	NC	0.05	ND (0.0017)	ND (0.0017)	ND (0.0020)	ND (0.0021)	
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00012)	ND (0.00014)	ND (0.00015)	
Bromochloromethane	NC	NC	NC	ND (0.00027)	ND (0.00027)	ND (0.00031)	ND (0.00032)	
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00013)	
Bromoform	NC	NC	NC	ND (0.00015)	ND (0.00015)	ND (0.00017)	ND (0.00018)	
Bromomethane	NC	NC	NC	ND (0.00027)	ND (0.00028)	ND (0.00032)	ND (0.00033)	
Butylbenzene	12	NC	12	NA	NA	NA	NA	
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	0.00042	J 0.0016	J ND (0.00014)	
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00013)	ND (0.00013)	ND (0.00015)	ND (0.00016)	
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.00011)	ND (0.00013)	ND (0.00013)	
Chloroethane	NC	NC	NC	ND (0.00023)	ND (0.00023)	ND (0.00026)	ND (0.00028)	
Chloroform	0.37	NC	0.37	ND (0.00083)	ND (0.00083)	ND (0.00096)	ND (0.0010)	
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00019)	ND (0.00022)	ND (0.00023)	
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00018)	ND (0.00018)	ND (0.00021)	ND (0.00022)	
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00017)	
Cyclohexane	NC	NC	NC	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00015)	
Dibromochloromethane	NC	NC	NC	ND (0.00016)	ND (0.00017)	ND (0.00019)	ND (0.00020)	
Dichlorodifluoromethane	NC	NC	NC	ND (0.00023)	ND (0.00023)	ND (0.00026)	ND (0.00028)	
Ethylbenzene	1	NC	1	ND (0.00026)	ND (0.00027)	ND (0.00030)	ND (0.00032)	
Isopropylbenzene	NC	1,000	NC	ND (0.00074)	ND (0.00075)	ND (0.00086)	ND (0.00091)	
m&p-Xylene	NC ¹	NC	NC	ND (0.00017)	ND (0.00018)	ND (0.00020)	ND (0.00021)	
Methyl acetate	NC	NC	NC	ND (0.0026)	ND (0.0026)	ND (0.0030)	ND (0.0032)	
Methylcyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00020)	ND (0.00021)	
Methylene chloride	0.05	NC	0.05	ND (0.0013)	0.004	J 0.0043	J 0.0052	J
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00024)	ND (0.00024)	ND (0.00027)	ND (0.00029)	
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA	
o-Xylene	NC ¹	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00017)	
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA	
Styrene	NC	NC	NC	ND (0.000092)	ND (0.000093)	ND (0.00011)	ND (0.00011)	
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA	
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00017)	ND (0.00017)	ND (0.00020)	ND (0.00021)	
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00013)	
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00024)	ND (0.00024)	ND (0.00028)	ND (0.00029)	
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00016)	ND (0.00018)	ND (0.00019)	
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00017)	ND (0.00018)	ND (0.00020)	ND (0.00021)	
Trichlorofluoromethane	NC	NC	NC	ND (0.00030)	ND (0.00030)	ND (0.00034)	ND (0.00036)	
Vinyl Chloride	0.02	NC	0.02	ND (0.00014)	ND (0.00015)	ND (0.00017)	ND (0.00018)	
Xylene (Total)	1.6	NC	0.26	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00017)	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Former Raritan Arsenal Fill - Soil 11	Former Raritan Arsenal Fill - Soil 12	Former Raritan Arsenal Fill - Soil 13	Former Raritan Arsenal Fill - Soil 14
SAMPLE ID:				11	12	13	14
LAB ID:				JB19112-11A	JB19112-12A	JB19112-13A	JB19112-14A
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00012)	ND (0.00013)	ND (0.00011)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00017)	ND (0.00014)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00044)	ND (0.00051)	ND (0.00055)	ND (0.00044)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00018)	ND (0.00020)	ND (0.00022)	ND (0.00018)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00016)	ND (0.00017)	ND (0.00014)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00027)	ND (0.00030)	ND (0.00033)	ND (0.00027)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00019)	ND (0.00021)	ND (0.00017)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00018)	ND (0.00014)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00092)	ND (0.0010)	ND (0.0011)	ND (0.00092)
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00016)	ND (0.00013)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00020)	ND (0.00022)	ND (0.00024)	ND (0.00020)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00014)	ND (0.00016)	ND (0.00017)	ND (0.00014)
1,2-Dichloropropane	NC	NC	NC	ND (0.00016)	ND (0.00018)	ND (0.00020)	ND (0.00016)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00019)	ND (0.00022)	ND (0.00024)	ND (0.00019)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00021)	ND (0.00022)	ND (0.00018)
1,4-Dioxane	0.1	NC	0.1	ND (0.061)	ND (0.070)	ND (0.076)	ND (0.062)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0025)	ND (0.0028)	ND (0.0030)	ND (0.0025)
2-Hexanone	NC	NC	NC	ND (0.00064)	ND (0.00073)	ND (0.00079)	ND (0.00064)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00077)	ND (0.00088)	ND (0.00095)	ND (0.00078)
Acetone	0.05	NC	0.05	ND (0.0017)	ND (0.0020)	ND (0.0021)	ND (0.0017)
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00014)	ND (0.00015)	ND (0.00012)
Bromochloromethane	NC	NC	NC	ND (0.00027)	ND (0.00031)	ND (0.00034)	ND (0.00027)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00012)	ND (0.00013)	ND (0.00011)
Bromoform	NC	NC	NC	ND (0.00016)	ND (0.00018)	ND (0.00019)	ND (0.00016)
Bromomethane	NC	NC	NC	ND (0.00028)	ND (0.00032)	ND (0.00035)	ND (0.00028)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	ND (0.00014)	ND (0.00015)	ND (0.00012)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00016)	ND (0.00017)	ND (0.00014)
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.00013)	ND (0.00014)	ND (0.00011)
Chloroethane	NC	NC	NC	ND (0.00023)	ND (0.00027)	ND (0.00029)	ND (0.00023)
Chloroform	0.37	NC	0.37	ND (0.000085)	ND (0.000097)	ND (0.00010)	ND (0.000085)
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00022)	ND (0.00024)	ND (0.00019)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00019)	ND (0.00021)	ND (0.00023)	ND (0.00019)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00018)	ND (0.00014)
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00016)	ND (0.00013)
Dibromochloromethane	NC	NC	NC	ND (0.00017)	ND (0.00019)	ND (0.00021)	ND (0.00017)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00024)	ND (0.00027)	ND (0.00029)	ND (0.00024)
Ethylbenzene	1	NC	1	ND (0.00027)	ND (0.00031)	ND (0.00033)	ND (0.00027)
Isopropylbenzene	NC	1,000	NC	ND (0.00077)	ND (0.00087)	ND (0.00094)	ND (0.00077)
m&p-Xylene	NC ¹	NC	NC	ND (0.00018)	ND (0.00020)	ND (0.00022)	ND (0.00018)
Methyl acetate	NC	NC	NC	ND (0.0027)	ND (0.0031)	ND (0.0033)	ND (0.0027)
Methylcyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00020)	ND (0.00021)	ND (0.00017)
Methylene chloride	0.05	NC	0.05	0.0047	0.005	0.0043	0.0032
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00024)	ND (0.00028)	ND (0.00030)	ND (0.00024)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00018)	ND (0.00014)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000095)	ND (0.00011)	ND (0.00012)	ND (0.000095)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00018)	ND (0.00020)	ND (0.00022)	ND (0.00018)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00012)	ND (0.00013)	ND (0.00011)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00025)	ND (0.00028)	ND (0.00030)	ND (0.00025)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00018)	ND (0.00020)	ND (0.00016)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00018)	ND (0.00020)	ND (0.00022)	ND (0.00018)
Trichlorofluoromethane	NC	NC	NC	ND (0.00031)	ND (0.00035)	ND (0.00038)	ND (0.00031)
Vinyl Chloride	0.02	NC	0.02	ND (0.00015)	ND (0.00017)	ND (0.00018)	ND (0.00015)
Xylene (Total)	1.6	NC	0.26	ND (0.00014)	ND (0.00016)	ND (0.00018)	ND (0.00014)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

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NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Former Raritan Arsenal Fill - Soil 15	Former Raritan Arsenal Fill - Soil 16	Former Raritan Arsenal Fill - Soil 17	Former Raritan Arsenal Fill - Soil 18		
SAMPLE ID:				15	16	17	18		
LAB ID:				JB19112-15A	JB19112-16A	JB19112-17A	JB19112-18A		
COLLECTION DATE:				10/12/12	10/12/12	10/12/12	10/12/12		
SAMPLE MATRIX:				Soil	Soil	Soil	Soil		
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg		
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result		
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00011)		
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00015)	ND (0.00015)	ND (0.00015)	ND (0.00014)		
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00049)	ND (0.00048)	ND (0.00049)	ND (0.00045)		
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00020)	ND (0.00019)	ND (0.00020)	ND (0.00018)		
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00014)		
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00029)	ND (0.00028)	ND (0.00029)	ND (0.00027)		
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00018)	ND (0.00019)	ND (0.00017)		
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)		
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA		
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0010)	ND (0.00098)	ND (0.0010)	ND (0.00093)		
1,2-Dibromoethane	NC	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00015)	ND (0.00013)		
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00022)	ND (0.00021)	ND (0.00022)	ND (0.00020)		
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00015)	ND (0.00015)	ND (0.00014)		
1,2-Dichloropropane	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00016)		
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00021)	ND (0.00021)	ND (0.00021)	ND (0.00020)		
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA		
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00020)	ND (0.00019)	ND (0.00020)	ND (0.00018)		
1,4-Dioxane	0.1	NC	0.1	ND (0.068)	ND (0.066)	ND (0.068)	ND (0.062)		
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0027)	ND (0.0026)	ND (0.0027)	ND (0.0025)		
2-Hexanone	NC	NC	NC	ND (0.00071)	ND (0.00069)	ND (0.00071)	ND (0.00065)		
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00085)	ND (0.00083)	ND (0.00086)	ND (0.00078)		
Acetone	0.05	NC	0.05	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0018)		
Benzene	0.06	NC	0.06	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00012)		
Bromochloromethane	NC	NC	NC	ND (0.00030)	ND (0.00029)	ND (0.00030)	ND (0.00028)		
Bromodichloromethane	NC	NC	NC	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00011)		
Bromoform	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00016)		
Bromomethane	NC	NC	NC	ND (0.00031)	ND (0.00030)	ND (0.00031)	ND (0.00028)		
Butylbenzene	12	NC	12	NA	NA	NA	NA		
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00012)		
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00015)	ND (0.00015)	ND (0.00015)	ND (0.00014)		
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00011)		
Chloroethane	NC	NC	NC	ND (0.00026)	ND (0.00025)	ND (0.00026)	ND (0.00024)		
Chloroform	0.37	NC	0.37	ND (0.00094)	ND (0.00091)	ND (0.00095)	ND (0.00086)		
Chloromethane	NC	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00021)	ND (0.00019)		
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00021)	ND (0.00020)	ND (0.00021)	ND (0.00019)		
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)		
Cyclohexane	NC	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00014)	ND (0.00013)		
Dibromochloromethane	NC	NC	NC	ND (0.00019)	ND (0.00018)	ND (0.00019)	ND (0.00017)		
Dichlorodifluoromethane	NC	NC	NC	ND (0.00026)	ND (0.00025)	ND (0.00026)	ND (0.00024)		
Ethylbenzene	1	NC	1	ND (0.00030)	ND (0.00029)	ND (0.00030)	ND (0.00027)		
Isopropylbenzene	NC	1,000	NC	ND (0.00085)	ND (0.00082)	ND (0.00085)	ND (0.00078)		
m&p-Xylene	NC ¹	NC	NC	ND (0.00020)	ND (0.00019)	ND (0.00020)	ND (0.00018)		
Methyl acetate	NC	NC	NC	ND (0.0030)	ND (0.0029)	ND (0.0030)	ND (0.0027)		
Methylcyclohexane	NC	NC	NC	ND (0.00019)	ND (0.00019)	ND (0.00019)	ND (0.00018)		
Methylene chloride	0.05	NC	0.05	0.004	J	0.0038	J	0.0032	J
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00027)	ND (0.00026)	ND (0.00027)	ND (0.00025)		
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA		
o-Xylene	NC ¹	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)		
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA		
Styrene	NC	NC	NC	ND (0.00010)	ND (0.00010)	ND (0.00011)	ND (0.000096)		
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA		
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00020)	ND (0.00019)	ND (0.00020)	ND (0.00018)		
Toluene	0.7	NC	0.7	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00011)		
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00027)	ND (0.00026)	ND (0.00027)	ND (0.00025)		
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00016)		
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00020)	ND (0.00019)	ND (0.00020)	ND (0.00018)		
Trichlorofluoromethane	NC	NC	NC	ND (0.00034)	ND (0.00033)	ND (0.00034)	ND (0.00031)		
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00016)	ND (0.00017)	ND (0.00015)		
Xylene (Total)	1.6	NC	0.26	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)		

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

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NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Former Raritan Arsenal Fill - Soil 19	Liberty Stone I-78 Soil 1	Liberty Stone I-78 Soil 2	Liberty Stone I-78 Soil 3
SAMPLE ID:				JB19112-19A	JB18892-1A	JB18892-2A	JB18892-3A
LAB ID:				10/12/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:							
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.000095)	ND (0.000098)	ND (0.000083)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00012)	ND (0.00012)	ND (0.00010)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00045)	ND (0.00038)	ND (0.00040)	ND (0.00034)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00016)	ND (0.00014)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00011)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00027)	ND (0.00023)	ND (0.00024)	ND (0.00020)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00015)	ND (0.00013)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00011)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00093)	ND (0.00080)	ND (0.00082)	ND (0.00070)
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00011)	ND (0.00012)	ND (0.00010)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00020)	ND (0.00017)	ND (0.00017)	ND (0.00015)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00014)	ND (0.00012)	ND (0.00012)	ND (0.00011)
1,2-Dichloropropane	NC	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00014)	ND (0.00012)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00015)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00016)	ND (0.00016)	ND (0.00014)
1,4-Dioxane	0.1	NC	0.1	ND (0.062)	ND (0.053)	ND (0.055)	ND (0.047)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0025)	ND (0.0021)	ND (0.0022)	ND (0.0019)
2-Hexanone	NC	NC	NC	ND (0.00065)	ND (0.00056)	ND (0.00057)	ND (0.00049)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00078)	ND (0.00067)	ND (0.00069)	ND (0.00059)
Acetone	0.05	NC	0.05	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.0013)
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00011)	ND (0.00011)	ND (0.000094)
Bromochloromethane	NC	NC	NC	ND (0.00028)	ND (0.00024)	ND (0.00024)	ND (0.00021)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.000094)	ND (0.000097)	ND (0.000083)
Bromofrom	NC	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00014)	ND (0.00012)
Bromomethane	NC	NC	NC	ND (0.00028)	ND (0.00024)	ND (0.00025)	ND (0.00021)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	ND (0.00010)	ND (0.00011)	ND (0.000092)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00012)	ND (0.00012)	ND (0.00010)
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.000097)	ND (0.00010)	ND (0.000085)
Chloroethane	NC	NC	NC	ND (0.00024)	ND (0.00020)	ND (0.00021)	ND (0.00018)
Chloroform	0.37	NC	0.37	ND (0.000086)	ND (0.000074)	ND (0.000076)	ND (0.000065)
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00015)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00019)	ND (0.00016)	ND (0.00017)	ND (0.00014)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00011)
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00011)	ND (0.00011)	ND (0.000098)
Dibromochloromethane	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00015)	ND (0.00013)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00024)	ND (0.00020)	ND (0.00021)	ND (0.00018)
Ethylbenzene	1	NC	1	ND (0.00027)	ND (0.00024)	ND (0.00024)	ND (0.00021)
Isopropylbenzene	NC	1,000	NC	ND (0.00077)	ND (0.00066)	ND (0.00069)	ND (0.00059)
m&p-Xylene	NC ¹	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00016)	ND (0.00014)
Methyl acetate	NC	NC	NC	ND (0.0027)	ND (0.0023)	ND (0.0024)	ND (0.0020)
Methylcyclohexane	NC	NC	NC	ND (0.00018)	ND (0.00015)	ND (0.00016)	ND (0.00013)
Methylene chloride	0.05	NC	0.05	0.0033 J	ND (0.0011)	0.0071	0.0055
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00024)	ND (0.00021)	ND (0.00022)	ND (0.00019)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00011)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000096)	ND (0.000082)	ND (0.000085)	ND (0.000072)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00018)	ND (0.00015)	ND (0.00016)	ND (0.00014)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.000094)	ND (0.000097)	ND (0.000083)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00025)	ND (0.00021)	ND (0.00022)	ND (0.00019)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00014)	ND (0.00012)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00018)	ND (0.00016)	ND (0.00016)	ND (0.00014)
Trichlorofluoromethane	NC	NC	NC	ND (0.00031)	ND (0.00027)	ND (0.00028)	ND (0.00023)
Vinyl Chloride	0.02	NC	0.02	ND (0.00015)	ND (0.00013)	ND (0.00013)	ND (0.00011)
Xylene (Total)	1.6	NC	0.26	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00011)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Liberty Stone I-78 Soil 4	Liberty Stone I-78 Soil 5	Liberty Stone I-78 Soil 6	Liberty Stone I-78 Soil 7
SAMPLE ID:							
LAB ID:				JB18892-4A	JB18892-5A	JB18892-6A	JB18892-7A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.000091)	ND (0.00010)	ND (0.00011)	ND (0.00010)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00011)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00037)	ND (0.00041)	ND (0.00045)	ND (0.00042)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00018)	ND (0.00017)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00022)	ND (0.00024)	ND (0.00027)	ND (0.00025)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00017)	ND (0.00016)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00076)	ND (0.00084)	ND (0.00092)	ND (0.00086)
1,2-Dibromoethane	NC	NC	NC	ND (0.00011)	ND (0.00012)	ND (0.00013)	ND (0.00012)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00016)	ND (0.00018)	ND (0.00020)	ND (0.00018)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,2-Dichloropropane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00016)	ND (0.00015)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00016)	ND (0.00018)	ND (0.00019)	ND (0.00018)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00015)	ND (0.00017)	ND (0.00018)	ND (0.00017)
1,4-Dioxane	0.1	NC	0.1	ND (0.051)	ND (0.056)	ND (0.062)	ND (0.058)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0020)	ND (0.0023)	ND (0.0025)	ND (0.0023)
2-Hexanone	NC	NC	NC	ND (0.00053)	ND (0.00059)	ND (0.00064)	ND (0.00060)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00064)	ND (0.00071)	ND (0.00078)	ND (0.00073)
Acetone	0.05	NC	0.05	ND (0.0014)	ND (0.0016)	ND (0.0018)	ND (0.0016)
Benzene	0.06	NC	0.06	ND (0.00010)	ND (0.00011)	ND (0.00012)	ND (0.00012)
Bromochloromethane	NC	NC	NC	ND (0.00023)	ND (0.00025)	ND (0.00027)	ND (0.00026)
Bromodichloromethane	NC	NC	NC	ND (0.00090)	ND (0.00010)	ND (0.00011)	ND (0.00010)
Bromoform	NC	NC	NC	ND (0.00013)	ND (0.00014)	ND (0.00016)	ND (0.00015)
Bromomethane	NC	NC	NC	ND (0.00023)	ND (0.00026)	ND (0.00028)	ND (0.00026)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00010)	ND (0.00011)	ND (0.00012)	ND (0.00011)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00011)	ND (0.00013)	ND (0.00014)	ND (0.00013)
Chlorobenzene	1.1	NC	1.1	ND (0.00092)	ND (0.00010)	ND (0.00011)	ND (0.00010)
Chloroethane	NC	NC	NC	ND (0.00019)	ND (0.00022)	ND (0.00024)	ND (0.00022)
Chloroform	0.37	NC	0.37	ND (0.00071)	ND (0.00078)	ND (0.00086)	ND (0.00080)
Chloromethane	NC	NC	NC	ND (0.00016)	ND (0.00018)	ND (0.00019)	ND (0.00018)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00016)	ND (0.00017)	ND (0.00019)	ND (0.00018)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
Cyclohexane	NC	NC	NC	ND (0.00011)	ND (0.00012)	ND (0.00013)	ND (0.00012)
Dibromochloromethane	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00017)	ND (0.00016)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00020)	ND (0.00022)	ND (0.00024)	ND (0.00022)
Ethylbenzene	1	NC	1	ND (0.00023)	ND (0.00025)	ND (0.00027)	ND (0.00025)
Isopropylbenzene	NC	1,000	NC	ND (0.00064)	ND (0.00070)	ND (0.00077)	ND (0.00072)
m&p-Xylene	NC ¹	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00018)	ND (0.00017)
Methyl acetate	NC	NC	NC	ND (0.0022)	ND (0.0025)	ND (0.0027)	ND (0.0025)
Methylcyclohexane	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00018)	ND (0.00016)
Methylene chloride	0.05	NC	0.05	0.0071	0.0079	0.008	0.0074
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00020)	ND (0.00022)	ND (0.00024)	ND (0.00023)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000078)	ND (0.000087)	ND (0.000095)	ND (0.000089)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00015)	ND (0.00016)	ND (0.00018)	ND (0.00017)
Toluene	0.7	NC	0.7	ND (0.000090)	ND (0.00010)	ND (0.00011)	ND (0.00010)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00020)	ND (0.00023)	ND (0.00025)	ND (0.00023)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00016)	ND (0.00015)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00015)	ND (0.00017)	ND (0.00018)	ND (0.00017)
Trichlorofluoromethane	NC	NC	NC	ND (0.00025)	ND (0.00028)	ND (0.00031)	ND (0.00029)
Vinyl Chloride	0.02	NC	0.02	ND (0.00012)	ND (0.00014)	ND (0.00015)	ND (0.00014)
Xylene (Total)	1.6	NC	0.26	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Liberty Stone I-78 Soil 8	Liberty Stone I-78 Soil 9	Liberty Stone I-78 Soil 10	Liberty Stone I-78 Soil 11
SAMPLE ID:							
LAB ID:				JB18892-8A	JB18892-9A	JB18892-10A	JB18892-11A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00024)	ND (0.00010)	ND (0.000097)	ND (0.000094)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00030)	ND (0.00013)	ND (0.00012)	ND (0.00012)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00099)	ND (0.00042)	ND (0.00039)	ND (0.00038)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00040)	ND (0.00017)	ND (0.00016)	ND (0.00015)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00032)	ND (0.00013)	ND (0.00013)	ND (0.00012)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00059)	ND (0.00025)	ND (0.00023)	ND (0.00023)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00038)	ND (0.00016)	ND (0.00015)	ND (0.00014)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00032)	ND (0.00014)	ND (0.00013)	ND (0.00012)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0021)	ND (0.00087)	ND (0.00081)	ND (0.00079)
1,2-Dibromoethane	NC	NC	NC	ND (0.00029)	ND (0.00012)	ND (0.00012)	ND (0.00011)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00044)	ND (0.00018)	ND (0.00017)	ND (0.00017)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00031)	ND (0.00013)	ND (0.00012)	ND (0.00012)
1,2-Dichloropropane	NC	NC	NC	ND (0.00036)	ND (0.00015)	ND (0.00014)	ND (0.00014)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00043)	ND (0.00018)	ND (0.00017)	ND (0.00017)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00041)	ND (0.00017)	ND (0.00016)	ND (0.00016)
1,4-Dioxane	0.1	NC	0.1	ND (0.14)	ND (0.058)	ND (0.054)	ND (0.053)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.00055)	ND (0.00023)	ND (0.00022)	ND (0.00021)
2-Hexanone	NC	NC	NC	ND (0.0014)	ND (0.00061)	ND (0.00057)	ND (0.00055)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.0017)	ND (0.00073)	ND (0.00069)	ND (0.00066)
Acetone	0.05	NC	0.05	ND (0.00039)	ND (0.0016)	ND (0.0015)	ND (0.0015)
Benzene	0.06	NC	0.06	ND (0.00027)	ND (0.00012)	ND (0.00011)	ND (0.00011)
Bromochloromethane	NC	NC	NC	ND (0.00061)	ND (0.00026)	ND (0.00024)	ND (0.00023)
Bromodichloromethane	NC	NC	NC	ND (0.00024)	ND (0.00010)	ND (0.000096)	ND (0.000093)
Bromoform	NC	NC	NC	ND (0.00035)	ND (0.00015)	ND (0.00014)	ND (0.00013)
Bromomethane	NC	NC	NC	ND (0.00063)	ND (0.00027)	ND (0.00025)	ND (0.00024)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00027)	ND (0.00011)	ND (0.00011)	ND (0.00010)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00031)	ND (0.00013)	ND (0.00012)	ND (0.00012)
Chlorobenzene	1.1	NC	1.1	ND (0.00025)	ND (0.00011)	ND (0.000099)	ND (0.000095)
Chloroethane	NC	NC	NC	ND (0.00052)	ND (0.00022)	ND (0.00021)	ND (0.00020)
Chloroform	0.37	NC	0.37	ND (0.00019)	ND (0.000081)	ND (0.000075)	ND (0.000073)
Chloromethane	NC	NC	NC	ND (0.00043)	ND (0.00018)	ND (0.00017)	ND (0.00016)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00042)	ND (0.00018)	ND (0.00017)	ND (0.00016)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00032)	ND (0.00014)	ND (0.00013)	ND (0.00012)
Cyclohexane	NC	NC	NC	ND (0.00029)	ND (0.00012)	ND (0.00011)	ND (0.00011)
Dibromochloromethane	NC	NC	NC	ND (0.00038)	ND (0.00016)	ND (0.00015)	ND (0.00014)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00053)	ND (0.00022)	ND (0.00021)	ND (0.00020)
Ethylbenzene	1	NC	1	ND (0.00061)	ND (0.00026)	ND (0.00024)	ND (0.00023)
Isopropylbenzene	NC	1,000	NC	ND (0.00017)	ND (0.000072)	ND (0.000068)	ND (0.000066)
m&p-Xylene	NC ¹	NC	NC	ND (0.00040)	ND (0.00017)	ND (0.00016)	ND (0.00015)
Methyl acetate	NC	NC	NC	ND (0.00060)	ND (0.00025)	ND (0.00024)	ND (0.00023)
Methylcyclohexane	NC	NC	NC	ND (0.00039)	ND (0.00016)	ND (0.00015)	ND (0.00015)
Methylene chloride	0.05	NC	0.05	ND (0.0029)	0.0071	ND (0.0012)	0.0040 J
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00054)	ND (0.00023)	ND (0.00021)	ND (0.00021)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00032)	ND (0.00014)	ND (0.00013)	ND (0.00012)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00021)	ND (0.000089)	ND (0.000084)	ND (0.000081)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00040)	ND (0.00017)	ND (0.00016)	ND (0.00015)
Toluene	0.7	NC	0.7	ND (0.00024)	ND (0.00010)	ND (0.000096)	ND (0.000093)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00055)	ND (0.00023)	ND (0.00022)	ND (0.00021)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00036)	ND (0.00015)	ND (0.00014)	ND (0.00014)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00040)	ND (0.00017)	ND (0.00016)	ND (0.00015)
Trichlorofluoromethane	NC	NC	NC	ND (0.00069)	ND (0.00029)	ND (0.00027)	ND (0.00026)
Vinyl Chloride	0.02	NC	0.02	ND (0.00033)	ND (0.00014)	ND (0.00013)	ND (0.00013)
Xylene (Total)	1.6	NC	0.26	ND (0.00032)	ND (0.00014)	ND (0.00013)	ND (0.00012)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Liberty Stone I-78 Soil 12	Liberty Stone I-78 Soil 13	Liberty Stone I-78 Soil 14	Liberty Stone I-78 Soil 15
SAMPLE ID:							
LAB ID:				JB18892-12A	JB18892-13A	JB18892-14A	JB18892-15A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00098)	ND (0.00089)	ND (0.00098)	ND (0.00011)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00014)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00040)	ND (0.00036)	ND (0.00040)	ND (0.00045)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00018)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00014)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00024)	ND (0.00022)	ND (0.00024)	ND (0.00027)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00015)	ND (0.00017)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00015)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00083)	ND (0.00075)	ND (0.00082)	ND (0.00094)
1,2-Dibromoethane	NC	NC	NC	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00013)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00018)	ND (0.00016)	ND (0.00017)	ND (0.00020)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00013)	ND (0.00011)	ND (0.00012)	ND (0.00014)
1,2-Dichloropropane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00016)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00017)	ND (0.00016)	ND (0.00017)	ND (0.00020)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00019)
1,4-Dioxane	0.1	NC	0.1	ND (0.055)	ND (0.050)	ND (0.055)	ND (0.063)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.00022)	ND (0.00020)	ND (0.00022)	ND (0.00025)
2-Hexanone	NC	NC	NC	ND (0.00058)	ND (0.00052)	ND (0.00057)	ND (0.00066)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00070)	ND (0.00063)	ND (0.00069)	ND (0.00079)
Acetone	0.05	NC	0.05	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00018)
Benzene	0.06	NC	0.06	ND (0.00011)	ND (0.00010)	ND (0.00011)	ND (0.00013)
Bromochloromethane	NC	NC	NC	ND (0.00025)	ND (0.00022)	ND (0.00024)	ND (0.00028)
Bromodichloromethane	NC	NC	NC	ND (0.00098)	ND (0.00089)	ND (0.00097)	ND (0.00011)
Bromoform	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00016)
Bromomethane	NC	NC	NC	ND (0.00025)	ND (0.00023)	ND (0.00025)	ND (0.00029)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00011)	ND (0.000099)	ND (0.00011)	ND (0.00012)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00014)
Chlorobenzene	1.1	NC	1.1	ND (0.00010)	ND (0.000091)	ND (0.00010)	ND (0.00011)
Chloroethane	NC	NC	NC	ND (0.00021)	ND (0.00019)	ND (0.00021)	ND (0.00024)
Chloroform	0.37	NC	0.37	ND (0.00077)	ND (0.00070)	ND (0.00076)	ND (0.00087)
Chloromethane	NC	NC	NC	ND (0.00017)	ND (0.00016)	ND (0.00017)	ND (0.00020)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00017)	ND (0.00015)	ND (0.00017)	ND (0.00019)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00015)
Cyclohexane	NC	NC	NC	ND (0.00012)	ND (0.00010)	ND (0.00011)	ND (0.00013)
Dibromochloromethane	NC	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00015)	ND (0.00017)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00021)	ND (0.00019)	ND (0.00021)	ND (0.00024)
Ethylbenzene	1	NC	1	ND (0.00024)	ND (0.00022)	ND (0.00024)	ND (0.00028)
Isopropylbenzene	NC	1,000	NC	ND (0.00069)	ND (0.00063)	ND (0.00068)	ND (0.00078)
m&p-Xylene	NC ¹	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00018)
Methyl acetate	NC	NC	NC	ND (0.00024)	ND (0.00022)	ND (0.00024)	ND (0.00027)
Methylcyclohexane	NC	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00018)
Methylene chloride	0.05	NC	0.05	0.0083	0.007	0.0032 J	0.0039 J
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00022)	ND (0.00020)	ND (0.00022)	ND (0.00025)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00015)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00085)	ND (0.00077)	ND (0.00085)	ND (0.00097)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00018)
Toluene	0.7	NC	0.7	ND (0.00098)	ND (0.00089)	ND (0.00097)	ND (0.00011)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00022)	ND (0.00020)	ND (0.00022)	ND (0.00025)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00016)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00018)
Trichlorofluoromethane	NC	NC	NC	ND (0.00028)	ND (0.00025)	ND (0.00027)	ND (0.00031)
Vinyl Chloride	0.02	NC	0.02	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00015)
Xylene (Total)	1.6	NC	0.26	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00015)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Liberty Stone I-78 Soil 16	Liberty Stone I-78 Soil 17	Liberty Stone I-78 Soil 18	Liberty Stone I-78 Soil 19
SAMPLE ID:							
LAB ID:				JB18892-16A	JB18892-17A	JB18892-18A	JB18892-19A
COLLECTION DATE:				10/10/12	10/10/12	10/10/12	10/10/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00098)	ND (0.00012)	ND (0.00096)	ND (0.00013)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00012)	ND (0.00015)	ND (0.00012)	ND (0.00016)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00040)	ND (0.00050)	ND (0.00039)	ND (0.00052)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00016)	ND (0.00020)	ND (0.00016)	ND (0.00021)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00013)	ND (0.00016)	ND (0.00012)	ND (0.00017)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00024)	ND (0.00030)	ND (0.00023)	ND (0.00031)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00019)	ND (0.00015)	ND (0.00020)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00013)	ND (0.00016)	ND (0.00013)	ND (0.00017)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00082)	ND (0.0010)	ND (0.00080)	ND (0.0011)
1,2-Dibromoethane	NC	NC	NC	ND (0.00012)	ND (0.00015)	ND (0.00011)	ND (0.00015)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00017)	ND (0.00022)	ND (0.00017)	ND (0.00023)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00012)	ND (0.00016)	ND (0.00012)	ND (0.00016)
1,2-Dichloropropane	NC	NC	NC	ND (0.00014)	ND (0.00018)	ND (0.00014)	ND (0.00019)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00017)	ND (0.00022)	ND (0.00017)	ND (0.00023)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00016)	ND (0.00020)	ND (0.00016)	ND (0.00021)
1,4-Dioxane	0.1	NC	0.1	ND (0.055)	ND (0.069)	ND (0.054)	ND (0.072)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0022)	ND (0.0028)	ND (0.0022)	ND (0.0029)
2-Hexanone	NC	NC	NC	ND (0.00057)	ND (0.00072)	ND (0.00056)	ND (0.00075)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00069)	ND (0.00087)	ND (0.00068)	ND (0.00090)
Acetone	0.05	NC	0.05	ND (0.0016)	ND (0.0020)	ND (0.0015)	ND (0.0020)
Benzene	0.06	NC	0.06	ND (0.00011)	ND (0.00014)	ND (0.00011)	ND (0.00014)
Bromochloromethane	NC	NC	NC	ND (0.00024)	ND (0.00031)	ND (0.00024)	ND (0.00032)
Bromodichloromethane	NC	NC	NC	ND (0.00097)	ND (0.00012)	ND (0.00095)	ND (0.00013)
Bromoform	NC	NC	NC	ND (0.00014)	ND (0.00017)	ND (0.00014)	ND (0.00018)
Bromomethane	NC	NC	NC	ND (0.00025)	ND (0.00032)	ND (0.00025)	ND (0.00033)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00011)	ND (0.00014)	ND (0.00011)	ND (0.00014)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00012)	ND (0.00015)	ND (0.00012)	ND (0.00016)
Chlorobenzene	1.1	NC	1.1	ND (0.00099)	ND (0.00012)	ND (0.00098)	ND (0.00013)
Chloroethane	NC	NC	NC	ND (0.00021)	ND (0.00026)	ND (0.00020)	ND (0.00027)
Chloroform	0.37	NC	0.37	ND (0.00076)	ND (0.00096)	ND (0.00075)	ND (0.00010)
Chloromethane	NC	NC	NC	ND (0.00017)	ND (0.00022)	ND (0.00017)	ND (0.00022)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00017)	ND (0.00021)	ND (0.00017)	ND (0.00022)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00013)	ND (0.00016)	ND (0.00013)	ND (0.00017)
Cyclohexane	NC	NC	NC	ND (0.00011)	ND (0.00014)	ND (0.00011)	ND (0.00015)
Dibromochloromethane	NC	NC	NC	ND (0.00015)	ND (0.00019)	ND (0.00015)	ND (0.00020)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00021)	ND (0.00026)	ND (0.00021)	ND (0.00027)
Ethylbenzene	1	NC	1	ND (0.00024)	ND (0.00030)	ND (0.00024)	ND (0.00032)
Isopropylbenzene	NC	1,000	NC	ND (0.00068)	ND (0.00086)	ND (0.00067)	ND (0.00090)
m&p-Xylene	NC ¹	NC	NC	ND (0.00016)	ND (0.00020)	ND (0.00016)	ND (0.00021)
Methyl acetate	NC	NC	NC	ND (0.0024)	ND (0.0030)	ND (0.0023)	ND (0.0031)
Methylcyclohexane	NC	NC	NC	ND (0.00016)	ND (0.00020)	ND (0.00015)	ND (0.00020)
Methylene chloride	0.05	NC	0.05	ND (0.0012)	ND (0.0015)	ND (0.0011)	ND (0.0015)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00022)	ND (0.00027)	ND (0.00021)	ND (0.00028)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00013)	ND (0.00016)	ND (0.00013)	ND (0.00017)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00084)	ND (0.00011)	ND (0.00083)	ND (0.00011)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00016)	ND (0.00020)	ND (0.00016)	ND (0.00021)
Toluene	0.7	NC	0.7	ND (0.00097)	ND (0.00012)	ND (0.00095)	ND (0.00013)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00022)	ND (0.00028)	ND (0.00021)	ND (0.00029)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00018)	ND (0.00014)	ND (0.00019)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00016)	ND (0.00020)	ND (0.00016)	ND (0.00021)
Trichlorofluoromethane	NC	NC	NC	ND (0.00027)	ND (0.00034)	ND (0.00027)	ND (0.00036)
Vinyl Chloride	0.02	NC	0.02	ND (0.00013)	ND (0.00017)	ND (0.00013)	ND (0.00017)
Xylene (Total)	1.6	NC	0.26	ND (0.00013)	ND (0.00016)	ND (0.00013)	ND (0.00017)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Natures Choice I-78 Soil 1	Natures Choice I-78 Soil 2	Natures Choice I-78 Soil 3	Natures Choice I-78 Soil 4
SAMPLE ID:							
LAB ID:				JB19432-1A	JB19432-2A	JB19432-3A	JB19432-4A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00012)	ND (0.00011)	ND (0.00011)	ND (0.00012)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00015)	ND (0.00013)	ND (0.00013)	ND (0.00015)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00047)	ND (0.00043)	ND (0.00043)	ND (0.00049)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00020)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00016)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00028)	ND (0.00026)	ND (0.00026)	ND (0.00029)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00016)	ND (0.00019)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00016)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00098)	ND (0.00088)	ND (0.00089)	ND (0.0010)
1,2-Dibromoethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00013)	ND (0.00015)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00021)	ND (0.00019)	ND (0.00019)	ND (0.00022)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00013)	ND (0.00013)	ND (0.00015)
1,2-Dichloropropane	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00015)	ND (0.00018)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00021)	ND (0.00019)	ND (0.00019)	ND (0.00021)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00020)
1,4-Dioxane	0.1	NC	0.1	ND (0.066)	ND (0.059)	ND (0.059)	ND (0.068)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0026)	ND (0.0024)	ND (0.0024)	ND (0.0027)
2-Hexanone	NC	NC	NC	ND (0.00069)	ND (0.00062)	ND (0.00062)	ND (0.00071)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00083)	ND (0.00075)	ND (0.00075)	ND (0.00086)
Acetone	0.05	NC	0.05	ND (0.0019)	ND (0.0017)	ND (0.0017)	ND (0.0019)
Benzene	0.06	NC	0.06	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00014)
Bromochloromethane	NC	NC	NC	ND (0.00029)	ND (0.00026)	ND (0.00026)	ND (0.00030)
Bromodichloromethane	NC	NC	NC	ND (0.00012)	ND (0.00010)	ND (0.00010)	ND (0.00012)
Bromoform	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00015)	ND (0.00017)
Bromomethane	NC	NC	NC	ND (0.00030)	ND (0.00027)	ND (0.00027)	ND (0.00031)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00013)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00015)	ND (0.00013)	ND (0.00013)	ND (0.00015)
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00011)	ND (0.00011)	ND (0.00012)
Chloroethane	NC	NC	NC	ND (0.00025)	ND (0.00023)	ND (0.00023)	ND (0.00026)
Chloroform	0.37	NC	0.37	ND (0.000091)	ND (0.000082)	ND (0.000082)	ND (0.000095)
Chloromethane	NC	NC	NC	ND (0.00021)	ND (0.00018)	ND (0.00019)	ND (0.00021)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00020)	ND (0.00018)	ND (0.00018)	ND (0.00021)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00016)
Cyclohexane	NC	NC	NC	ND (0.00014)	ND (0.00012)	ND (0.00012)	ND (0.00014)
Dibromochloromethane	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00016)	ND (0.00019)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00025)	ND (0.00023)	ND (0.00023)	ND (0.00026)
Ethylbenzene	1	NC	1	ND (0.00029)	ND (0.00026)	ND (0.00026)	ND (0.00030)
Isopropylbenzene	NC	1,000	NC	ND (0.000082)	ND (0.000074)	ND (0.000074)	ND (0.000085)
m&p-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00020)
Methyl acetate	NC	NC	NC	ND (0.0029)	ND (0.0026)	ND (0.0026)	ND (0.0030)
Methylcyclohexane	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00019)
Methylene chloride	0.05	NC	0.05	ND (0.0014)	ND (0.0013)	ND (0.0013)	ND (0.0015)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00026)	ND (0.00023)	ND (0.00023)	ND (0.00027)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00016)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00010)	ND (0.000091)	ND (0.000091)	ND (0.00011)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00020)
Toluene	0.7	NC	0.7	ND (0.00012)	ND (0.00010)	ND (0.00010)	ND (0.00012)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00026)	ND (0.00024)	ND (0.00024)	ND (0.00027)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00015)	ND (0.00018)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00020)
Trichlorofluoromethane	NC	NC	NC	ND (0.00033)	ND (0.00030)	ND (0.00030)	ND (0.00034)
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00014)	ND (0.00014)	ND (0.00016)
Xylene (Total)	1.6	NC	0.26	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00016)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Natures Choice I-78 Soil 5	Natures Choice I-78 Soil 6	Natures Choice I-78 Soil 7	Natures Choice I-78 Soil 8
SAMPLE ID:							
LAB ID:				JB19432-5A	JB19432-6A	JB19432-7A	JB19432-8A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00011)	ND (0.00011)	ND (0.00011)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00013)	ND (0.00014)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00046)	ND (0.00043)	ND (0.00044)	ND (0.00047)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00019)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00015)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00028)	ND (0.00026)	ND (0.00026)	ND (0.00028)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00017)	ND (0.00018)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00015)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00096)	ND (0.00088)	ND (0.00090)	ND (0.00096)
1,2-Dibromoethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00013)	ND (0.00014)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00020)	ND (0.00019)	ND (0.00019)	ND (0.00020)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00013)	ND (0.00014)	ND (0.00015)
1,2-Dichloropropane	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00016)	ND (0.00017)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00020)	ND (0.00019)	ND (0.00019)	ND (0.00020)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00019)
1,4-Dioxane	0.1	NC	0.1	ND (0.064)	ND (0.059)	ND (0.060)	ND (0.064)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0026)	ND (0.0024)	ND (0.0024)	ND (0.0026)
2-Hexanone	NC	NC	NC	ND (0.00067)	ND (0.00062)	ND (0.00063)	ND (0.00067)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00081)	ND (0.00075)	ND (0.00076)	ND (0.00081)
Acetone	0.05	NC	0.05	ND (0.0018)	ND (0.0017)	ND (0.0017)	ND (0.0018)
Benzene	0.06	NC	0.06	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00013)
Bromochloromethane	NC	NC	NC	ND (0.00029)	ND (0.00026)	ND (0.00027)	ND (0.00029)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00010)	ND (0.00011)	ND (0.00011)
Bromoform	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00015)	ND (0.00016)
Bromomethane	NC	NC	NC	ND (0.00029)	ND (0.00027)	ND (0.00028)	ND (0.00030)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00013)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00014)
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00011)	ND (0.00011)	ND (0.00012)
Chloroethane	NC	NC	NC	ND (0.00024)	ND (0.00023)	ND (0.00023)	ND (0.00025)
Chloroform	0.37	NC	0.37	ND (0.00089)	ND (0.00082)	ND (0.00084)	ND (0.00089)
Chloromethane	NC	NC	NC	ND (0.00020)	ND (0.00018)	ND (0.00019)	ND (0.00020)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00020)	ND (0.00018)	ND (0.00019)	ND (0.00020)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00015)
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00013)
Dibromochloromethane	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00017)	ND (0.00018)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00025)	ND (0.00023)	ND (0.00023)	ND (0.00025)
Ethylbenzene	1	NC	1	ND (0.00028)	ND (0.00026)	ND (0.00027)	ND (0.00028)
Isopropylbenzene	NC	1,000	NC	ND (0.00080)	ND (0.00074)	ND (0.00076)	ND (0.00080)
m&p-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00019)
Methyl acetate	NC	NC	NC	ND (0.0028)	ND (0.0026)	ND (0.0026)	ND (0.0028)
Methylcyclohexane	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00017)	ND (0.00018)
Methylene chloride	0.05	NC	0.05	ND (0.0014)	ND (0.0013)	ND (0.0013)	ND (0.0014)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00025)	ND (0.00023)	ND (0.00024)	ND (0.00025)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00015)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00099)	ND (0.00091)	ND (0.00093)	ND (0.00099)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00019)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00010)	ND (0.00011)	ND (0.00011)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00026)	ND (0.00024)	ND (0.00024)	ND (0.00026)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00016)	ND (0.00017)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00019)
Trichlorofluoromethane	NC	NC	NC	ND (0.00032)	ND (0.00030)	ND (0.00030)	ND (0.00032)
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00014)	ND (0.00015)	ND (0.00016)
Xylene (Total)	1.6	NC	0.26	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00015)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Natures Choice I-78 Soil 9	Natures Choice I-78 Soil 10	Natures Choice I-78 Soil 11	Natures Choice I-78 Soil 12
SAMPLE ID:							
LAB ID:				JB19432-9A	JB19432-10A	JB19432-11A	JB19432-12A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00012)	ND (0.00010)	ND (0.00011)	ND (0.00016)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00015)	ND (0.00013)	ND (0.00013)	ND (0.00021)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00049)	ND (0.00042)	ND (0.00044)	ND (0.00067)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00020)	ND (0.00017)	ND (0.00018)	ND (0.00027)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00021)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00029)	ND (0.00025)	ND (0.00026)	ND (0.00040)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00016)	ND (0.00017)	ND (0.00025)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00022)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0010)	ND (0.00086)	ND (0.00091)	ND (0.0014)
1,2-Dibromoethane	NC	NC	NC	ND (0.00015)	ND (0.00012)	ND (0.00013)	ND (0.00020)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00022)	ND (0.00018)	ND (0.00019)	ND (0.00029)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00013)	ND (0.00014)	ND (0.00021)
1,2-Dichloropropane	NC	NC	NC	ND (0.00018)	ND (0.00015)	ND (0.00016)	ND (0.00024)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00021)	ND (0.00018)	ND (0.00019)	ND (0.00029)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00020)	ND (0.00017)	ND (0.00018)	ND (0.00027)
1,4-Dioxane	0.1	NC	0.1	ND (0.068)	ND (0.058)	ND (0.061)	ND (0.092)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0027)	ND (0.0023)	ND (0.0024)	ND (0.0037)
2-Hexanone	NC	NC	NC	ND (0.00071)	ND (0.00060)	ND (0.00063)	ND (0.00097)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00086)	ND (0.00073)	ND (0.00076)	ND (0.0012)
Acetone	0.05	NC	0.05	ND (0.0019)	ND (0.0016)	ND (0.0017)	ND (0.0026)
Benzene	0.06	NC	0.06	ND (0.00014)	ND (0.00012)	ND (0.00012)	ND (0.00018)
Bromochloromethane	NC	NC	NC	ND (0.00030)	ND (0.00026)	ND (0.00027)	ND (0.00041)
Bromodichloromethane	NC	NC	NC	ND (0.00012)	ND (0.00010)	ND (0.00011)	ND (0.00016)
Bromoform	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00015)	ND (0.00023)
Bromomethane	NC	NC	NC	ND (0.00031)	ND (0.00026)	ND (0.00028)	ND (0.00042)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00011)	ND (0.00012)	ND (0.00018)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00015)	ND (0.00013)	ND (0.00014)	ND (0.00021)
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00010)	ND (0.00011)	ND (0.00017)
Chloroethane	NC	NC	NC	ND (0.00026)	ND (0.00022)	ND (0.00023)	ND (0.00035)
Chloroform	0.37	NC	0.37	ND (0.000095)	ND (0.000080)	ND (0.000084)	ND (0.00013)
Chloromethane	NC	NC	NC	ND (0.00021)	ND (0.00018)	ND (0.00019)	ND (0.00029)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00021)	ND (0.00018)	ND (0.00019)	ND (0.00028)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00022)
Cyclohexane	NC	NC	NC	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00019)
Dibromochloromethane	NC	NC	NC	ND (0.00019)	ND (0.00016)	ND (0.00017)	ND (0.00025)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00026)	ND (0.00022)	ND (0.00023)	ND (0.00035)
Ethylbenzene	1	NC	1	ND (0.00030)	ND (0.00025)	ND (0.00027)	ND (0.00041)
Isopropylbenzene	NC	1,000	NC	ND (0.000085)	ND (0.000072)	ND (0.000076)	ND (0.00012)
m&p-Xylene	NC ¹	NC	NC	ND (0.00020)	ND (0.00017)	ND (0.00018)	ND (0.00027)
Methyl acetate	NC	NC	NC	ND (0.0030)	ND (0.0025)	ND (0.0026)	ND (0.0040)
Methylcyclohexane	NC	NC	NC	ND (0.00019)	ND (0.00016)	ND (0.00017)	ND (0.00026)
Methylene chloride	0.05	NC	0.05	ND (0.0015)	ND (0.0012)	ND (0.0013)	ND (0.0020)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00027)	ND (0.00023)	ND (0.00024)	ND (0.00037)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00022)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00010)	ND (0.000089)	ND (0.000093)	ND (0.00014)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00020)	ND (0.00017)	ND (0.00018)	ND (0.00027)
Toluene	0.7	NC	0.7	ND (0.00012)	ND (0.00010)	ND (0.00011)	ND (0.00016)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00027)	ND (0.00023)	ND (0.00024)	ND (0.00037)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00018)	ND (0.00015)	ND (0.00016)	ND (0.00024)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00020)	ND (0.00017)	ND (0.00018)	ND (0.00027)
Trichlorofluoromethane	NC	NC	NC	ND (0.00034)	ND (0.00029)	ND (0.00030)	ND (0.00046)
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00014)	ND (0.00015)	ND (0.00022)
Xylene (Total)	1.6	NC	0.26	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00022)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Natures Choice I-78 Soil 13	Natures Choice I-78 Soil 14	Natures Choice I-78 Soil 15	Natures Choice I-78 Soil 16
SAMPLE ID:							
LAB ID:				JB19432-13A	JB19432-14A	JB19432-15A	JB19432-16A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00011)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00015)	ND (0.00014)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00045)	ND (0.00043)	ND (0.00049)	ND (0.00045)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00020)	ND (0.00018)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00014)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00027)	ND (0.00026)	ND (0.00029)	ND (0.00027)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00016)	ND (0.00019)	ND (0.00017)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00015)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00092)	ND (0.00089)	ND (0.0010)	ND (0.00094)
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00013)	ND (0.00015)	ND (0.00013)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00020)	ND (0.00019)	ND (0.00022)	ND (0.00020)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00014)	ND (0.00014)	ND (0.00015)	ND (0.00014)
1,2-Dichloropropane	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00018)	ND (0.00016)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00019)	ND (0.00019)	ND (0.00021)	ND (0.00020)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00018)	ND (0.00020)	ND (0.00019)
1,4-Dioxane	0.1	NC	0.1	ND (0.062)	ND (0.060)	ND (0.068)	ND (0.063)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0025)	ND (0.0024)	ND (0.0027)	ND (0.0025)
2-Hexanone	NC	NC	NC	ND (0.00064)	ND (0.00062)	ND (0.00071)	ND (0.00065)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00078)	ND (0.00075)	ND (0.00086)	ND (0.00079)
Acetone	0.05	NC	0.05	ND (0.0018)	ND (0.0017)	ND (0.0019)	ND (0.0018)
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00012)	ND (0.00014)	ND (0.00013)
Bromochloromethane	NC	NC	NC	ND (0.00027)	ND (0.00027)	ND (0.00030)	ND (0.00028)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00011)
Bromoform	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00017)	ND (0.00016)
Bromomethane	NC	NC	NC	ND (0.00028)	ND (0.00027)	ND (0.00031)	ND (0.00029)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	ND (0.00012)	ND (0.00013)	ND (0.00012)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00013)	ND (0.00015)	ND (0.00014)
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00011)
Chloroethane	NC	NC	NC	ND (0.00024)	ND (0.00023)	ND (0.00026)	ND (0.00024)
Chloroform	0.37	NC	0.37	ND (0.00086)	ND (0.00083)	ND (0.00095)	ND (0.00087)
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00019)	ND (0.00021)	ND (0.00020)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00019)	ND (0.00018)	ND (0.00021)	ND (0.00019)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00015)
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00012)	ND (0.00014)	ND (0.00013)
Dibromochloromethane	NC	NC	NC	ND (0.00017)	ND (0.00016)	ND (0.00019)	ND (0.00017)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00024)	ND (0.00023)	ND (0.00026)	ND (0.00024)
Ethylbenzene	1	NC	1	ND (0.00027)	ND (0.00026)	ND (0.00030)	ND (0.00028)
Isopropylbenzene	NC	1,000	NC	ND (0.00077)	ND (0.00074)	ND (0.00085)	ND (0.00078)
m&p-Xylene	NC ¹	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00020)	ND (0.00018)
Methyl acetate	NC	NC	NC	ND (0.0027)	ND (0.0026)	ND (0.0030)	ND (0.0027)
Methylcyclohexane	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00019)	ND (0.00018)
Methylene chloride	0.05	NC	0.05	ND (0.0013)	ND (0.0013)	ND (0.0015)	ND (0.0013)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00024)	ND (0.00024)	ND (0.00027)	ND (0.00025)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00015)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00095)	ND (0.00092)	ND (0.00011)	ND (0.00096)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00018)	ND (0.00017)	ND (0.00020)	ND (0.00018)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00011)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00025)	ND (0.00024)	ND (0.00027)	ND (0.00025)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00016)	ND (0.00018)	ND (0.00016)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00018)	ND (0.00017)	ND (0.00020)	ND (0.00018)
Trichlorofluoromethane	NC	NC	NC	ND (0.00031)	ND (0.00030)	ND (0.00034)	ND (0.00031)
Vinyl Chloride	0.02	NC	0.02	ND (0.00015)	ND (0.00014)	ND (0.00017)	ND (0.00015)
Xylene (Total)	1.6	NC	0.26	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00015)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Natures Choice I-78 Soil 17	Natures Choice I-78 Soil 18	Natures Choice I-78 Soil 19	Natures Choice I-78 Soil 20
SAMPLE ID:							
LAB ID:				JB19432-17A	JB19432-18A	JB19432-19A	JB19432-20A
COLLECTION DATE:				10/16/12	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00012)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00015)	ND (0.00013)	ND (0.00015)	ND (0.00014)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00049)	ND (0.00044)	ND (0.00048)	ND (0.00047)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00020)	ND (0.00018)	ND (0.00019)	ND (0.00019)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00016)	ND (0.00014)	ND (0.00015)	ND (0.00015)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00029)	ND (0.00026)	ND (0.00029)	ND (0.00028)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00018)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00015)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0010)	ND (0.00090)	ND (0.0010)	ND (0.00097)
1,2-Dibromoethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00014)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00021)	ND (0.00019)	ND (0.00021)	ND (0.00021)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00014)	ND (0.00015)	ND (0.00015)
1,2-Dichloropropane	NC	NC	NC	ND (0.00017)	ND (0.00016)	ND (0.00017)	ND (0.00017)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00021)	ND (0.00019)	ND (0.00021)	ND (0.00020)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00020)	ND (0.00018)	ND (0.00020)	ND (0.00019)
1,4-Dioxane	0.1	NC	0.1	ND (0.068)	ND (0.060)	ND (0.067)	ND (0.065)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0027)	ND (0.0024)	ND (0.0027)	ND (0.0026)
2-Hexanone	NC	NC	NC	ND (0.00071)	ND (0.00063)	ND (0.00070)	ND (0.00068)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00085)	ND (0.00076)	ND (0.00084)	ND (0.00082)
Acetone	0.05	NC	0.05	ND (0.0019)	ND (0.0017)	ND (0.0019)	ND (0.0018)
Benzene	0.06	NC	0.06	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00013)
Bromochloromethane	NC	NC	NC	ND (0.00030)	ND (0.00027)	ND (0.00030)	ND (0.00029)
Bromodichloromethane	NC	NC	NC	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00011)
Bromoform	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00017)	ND (0.00016)
Bromomethane	NC	NC	NC	ND (0.00031)	ND (0.00028)	ND (0.00031)	ND (0.00030)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00013)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00015)	ND (0.00013)	ND (0.00015)	ND (0.00014)
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00012)
Chloroethane	NC	NC	NC	ND (0.00026)	ND (0.00023)	ND (0.00025)	ND (0.00025)
Chloroform	0.37	NC	0.37	ND (0.00094)	ND (0.00084)	ND (0.00092)	ND (0.00090)
Chloromethane	NC	NC	NC	ND (0.00021)	ND (0.00019)	ND (0.00021)	ND (0.00020)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00021)	ND (0.00019)	ND (0.00020)	ND (0.00020)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00015)
Cyclohexane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00014)
Dibromochloromethane	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00018)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00026)	ND (0.00023)	ND (0.00026)	ND (0.00025)
Ethylbenzene	1	NC	1	ND (0.00030)	ND (0.00027)	ND (0.00029)	ND (0.00029)
Isopropylbenzene	NC	1,000	NC	ND (0.00084)	ND (0.00075)	ND (0.00083)	ND (0.00081)
m&p-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00020)	ND (0.00018)	ND (0.00019)	ND (0.00019)
Methyl acetate	NC	NC	NC	ND (0.0030)	ND (0.0026)	ND (0.0029)	ND (0.0028)
Methylcyclohexane	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00019)	ND (0.00018)
Methylene chloride	0.05	NC	0.05	ND (0.0014)	ND (0.0013)	ND (0.0014)	ND (0.0014)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00027)	ND (0.00024)	ND (0.00026)	ND (0.00026)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00015)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00010)	ND (0.000093)	ND (0.00010)	ND (0.00010)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00020)	ND (0.00017)	ND (0.00019)	ND (0.00019)
Toluene	0.7	NC	0.7	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00011)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00027)	ND (0.00024)	ND (0.00027)	ND (0.00026)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00017)	ND (0.00017)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00020)	ND (0.00018)	ND (0.00019)	ND (0.00019)
Trichlorofluoromethane	NC	NC	NC	ND (0.00034)	ND (0.00030)	ND (0.00033)	ND (0.00032)
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00016)
Xylene (Total)	1.6	NC	0.26	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00015)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Natures Choice I-78 Soil 21	Natures Choice I-78 Soil 22	Turnpike Basin 8C IS-1	Turnpike Basin 8C IS-2
SAMPLE ID:							
LAB ID:				JB19432-21A	JB19432-22A	09383-024	09383-023
COLLECTION DATE:				10/16/12	10/16/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00014)	ND (0.00011)	ND (0.00036)	ND (0.00036)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00018)	ND (0.00014)	ND (0.000251)	ND (0.000251)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00057)	ND (0.00045)	ND (0.0006)	ND (0.0006)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00023)	ND (0.00018)	ND (0.000218)	ND (0.000218)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00018)	ND (0.00014)	ND (0.000294)	ND (0.000294)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00034)	ND (0.00027)	ND (0.000545)	ND (0.000545)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00022)	ND (0.00017)	ND (0.000523)	ND (0.000523)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00015)	ND (0.000567)	ND (0.000567)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00012)	ND (0.00093)	ND (0.000545)	ND (0.000545)
1,2-Dibromoethane	NC	NC	NC	ND (0.00017)	ND (0.00013)	ND (0.000229)	ND (0.000229)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00025)	ND (0.00020)	ND (0.000392)	ND (0.000392)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00018)	ND (0.00014)	ND (0.000229)	ND (0.000229)
1,2-Dichloropropane	NC	NC	NC	ND (0.00021)	ND (0.00016)	ND (0.00024)	ND (0.00024)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00025)	ND (0.00020)	ND (0.000338)	ND (0.000338)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00024)	ND (0.00018)	ND (0.000338)	ND (0.000338)
1,4-Dioxane	0.1	NC	0.1	ND (0.079)	ND (0.062)	ND (0.017)	ND (0.017)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0032)	ND (0.0025)	ND (0.000403)	ND (0.000403)
2-Hexanone	NC	NC	NC	ND (0.00083)	ND (0.00065)	ND (0.000392)	ND (0.000392)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.0010)	ND (0.00078)	ND (0.000262)	ND (0.000262)
Acetone	0.05	NC	0.05	ND (0.0023)	ND (0.0018)	ND (0.000763)	ND (0.000763)
Benzene	0.06	NC	0.06	ND (0.00016)	ND (0.00012)	ND (0.000262)	ND (0.000262)
Bromochloromethane	NC	NC	NC	ND (0.00035)	ND (0.00028)	ND (0.000262)	ND (0.000262)
Bromodichloromethane	NC	NC	NC	ND (0.00014)	ND (0.00011)	ND (0.000349)	ND (0.000349)
Bromoform	NC	NC	NC	ND (0.00020)	ND (0.00016)	ND (0.000349)	ND (0.000349)
Bromomethane	NC	NC	NC	ND (0.00036)	ND (0.00029)	ND (0.000382)	ND (0.000382)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00016)	ND (0.00012)	ND (0.000371)	ND (0.000371)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00018)	ND (0.00014)	ND (0.000447)	ND (0.000447)
Chlorobenzene	1.1	NC	1.1	ND (0.00014)	ND (0.00011)	ND (0.00024)	ND (0.00024)
Chloroethane	NC	NC	NC	ND (0.00030)	ND (0.00024)	ND (0.000491)	ND (0.000491)
Chloroform	0.37	NC	0.37	ND (0.00011)	ND (0.000086)	ND (0.000316)	ND (0.000316)
Chloromethane	NC	NC	NC	ND (0.00025)	ND (0.00019)	ND (0.000447)	ND (0.000447)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00024)	ND (0.00019)	ND (0.000338)	ND (0.000338)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00019)	ND (0.00015)	ND (0.000283)	ND (0.000283)
Cyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00013)	ND (0.000458)	ND (0.000458)
Dibromochloromethane	NC	NC	NC	ND (0.00022)	ND (0.00017)	ND (0.00024)	ND (0.00024)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00030)	ND (0.00024)	ND (0.000436)	ND (0.000436)
Ethylbenzene	1	NC	1	ND (0.00035)	ND (0.00027)	ND (0.000338)	ND (0.000338)
Isopropylbenzene	NC	1,000	NC	ND (0.00099)	ND (0.00078)	ND (0.000447)	ND (0.000447)
m&p-Xylene	NC ¹	NC	NC	ND (0.00023)	ND (0.00018)	NA	NA
Methyl acetate	NC	NC	NC	ND (0.00035)	ND (0.00027)	ND (0.000632)	ND (0.000632)
Methylcyclohexane	NC	NC	NC	ND (0.00023)	ND (0.00018)	ND (0.000545)	ND (0.000545)
Methylene chloride	0.05	NC	0.05	ND (0.0017)	ND (0.0013)	ND (0.00216)	ND (0.00216)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00031)	ND (0.00025)	ND (0.000251)	ND (0.000251)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00019)	ND (0.00015)	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00012)	ND (0.000096)	ND (0.000327)	ND (0.000327)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00023)	ND (0.00018)	ND (0.000283)	ND (0.000283)
Toluene	0.7	NC	0.7	ND (0.00014)	ND (0.00011)	ND (0.000273)	ND (0.000273)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00032)	ND (0.00025)	ND (0.000469)	ND (0.000469)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00021)	ND (0.00016)	ND (0.000283)	ND (0.000283)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00023)	ND (0.00018)	ND (0.000349)	ND (0.000349)
Trichlorofluoromethane	NC	NC	NC	ND (0.00040)	ND (0.00031)	ND (0.000447)	ND (0.000447)
Vinyl Chloride	0.02	NC	0.02	ND (0.00019)	ND (0.00015)	ND (0.000523)	ND (0.000523)
Xylene (Total)	1.6	NC	0.26	ND (0.00019)	ND (0.00015)	ND (0.00116)	ND (0.00116)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-3	Turnpike Basin 8C IS-4	Turnpike Basin 8C IS-5	Turnpike Basin 8C IS-6
SAMPLE ID:							
LAB ID:				09383-027	09383-021	09383-022	09383-025
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.000337)	ND (0.00034)	ND (0.000343)	ND (0.000353)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.000235)	ND (0.000237)	ND (0.000239)	ND (0.000246)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000561)	ND (0.000567)	ND (0.000572)	ND (0.000589)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000204)	ND (0.000206)	ND (0.000208)	ND (0.000214)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.000275)	ND (0.000278)	ND (0.000281)	ND (0.000289)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00051)	ND (0.000515)	ND (0.00052)	ND (0.000535)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00049)	ND (0.000494)	ND (0.000499)	ND (0.000514)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00053)	ND (0.000536)	ND (0.000541)	ND (0.000556)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00051)	ND (0.000515)	ND (0.00052)	ND (0.000535)
1,2-Dibromoethane	NC	NC	NC	ND (0.000214)	ND (0.000216)	ND (0.000218)	ND (0.000225)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.000367)	ND (0.000371)	ND (0.000374)	ND (0.000385)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000214)	ND (0.000216)	ND (0.000218)	ND (0.000225)
1,2-Dichloropropane	NC	NC	NC	ND (0.000224)	ND (0.000227)	ND (0.000229)	ND (0.000235)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000316)	ND (0.000319)	ND (0.000322)	ND (0.000332)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000316)	ND (0.000319)	ND (0.000322)	ND (0.000332)
1,4-Dioxane	0.1	NC	0.1	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.017)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000377)	ND (0.000381)	ND (0.000385)	ND (0.000396)
2-Hexanone	NC	NC	NC	ND (0.000367)	ND (0.000371)	ND (0.000374)	ND (0.000385)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000245)	ND (0.000247)	ND (0.00025)	ND (0.000257)
Acetone	0.05	NC	0.05	ND (0.000721)	ND (0.000721)	ND (0.000728)	ND (0.000749)
Benzene	0.06	NC	0.06	ND (0.000245)	ND (0.000247)	ND (0.00025)	ND (0.000257)
Bromochloromethane	NC	NC	NC	ND (0.000245)	ND (0.000247)	ND (0.00025)	ND (0.000257)
Bromodichloromethane	NC	NC	NC	ND (0.000326)	ND (0.00033)	ND (0.000333)	ND (0.000342)
Bromoform	NC	NC	NC	ND (0.000326)	ND (0.00033)	ND (0.000333)	ND (0.000342)
Bromomethane	NC	NC	NC	ND (0.000357)	ND (0.000361)	ND (0.000364)	ND (0.000375)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.000347)	ND (0.00035)	ND (0.000354)	ND (0.000364)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000418)	ND (0.000422)	ND (0.000426)	ND (0.000439)
Chlorobenzene	1.1	NC	1.1	ND (0.000224)	ND (0.000227)	ND (0.000229)	ND (0.000235)
Chloroethane	NC	NC	NC	ND (0.000459)	ND (0.000464)	ND (0.000468)	ND (0.000482)
Chloroform	0.37	NC	0.37	ND (0.000296)	ND (0.000299)	ND (0.000302)	ND (0.00031)
Chloromethane	NC	NC	NC	ND (0.000418)	ND (0.000422)	ND (0.000426)	ND (0.000439)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000316)	ND (0.000319)	ND (0.000322)	ND (0.000332)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000265)	ND (0.000268)	ND (0.00027)	ND (0.000278)
Cyclohexane	NC	NC	NC	ND (0.000428)	ND (0.000433)	ND (0.000437)	ND (0.000449)
Dibromochloromethane	NC	NC	NC	ND (0.000224)	ND (0.000227)	ND (0.000229)	ND (0.000235)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000408)	ND (0.000412)	ND (0.000416)	ND (0.000428)
Ethylbenzene	1	NC	1	ND (0.000316)	ND (0.000319)	ND (0.000322)	ND (0.000332)
Isopropylbenzene	NC	1,000	NC	ND (0.000418)	ND (0.000422)	ND (0.000426)	ND (0.000439)
m&p-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000592)	ND (0.000597)	ND (0.000603)	ND (0.000621)
Methylcyclohexane	NC	NC	NC	ND (0.00051)	ND (0.000515)	ND (0.00052)	ND (0.000535)
Methylene chloride	0.05	NC	0.05	ND (0.00202)	ND (0.00204)	ND (0.00206)	ND (0.00212)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000235)	ND (0.000237)	ND (0.000239)	ND (0.000246)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000306)	ND (0.000309)	ND (0.000312)	ND (0.000321)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000265)	ND (0.000268)	ND (0.00027)	ND (0.000278)
Toluene	0.7	NC	0.7	ND (0.000255)	ND (0.000258)	ND (0.00026)	ND (0.000268)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000439)	ND (0.000443)	ND (0.000447)	ND (0.00046)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000265)	ND (0.000268)	ND (0.00027)	ND (0.000278)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.000326)	ND (0.00033)	ND (0.000333)	ND (0.000342)
Trichlorofluoromethane	NC	NC	NC	ND (0.000418)	ND (0.000422)	ND (0.000426)	ND (0.000439)
Vinyl Chloride	0.02	NC	0.02	ND (0.00049)	ND (0.000494)	ND (0.000499)	ND (0.000514)
Xylene (Total)	1.6	NC	0.26	ND (0.00108)	ND (0.00109)	ND (0.0011)	ND (0.00113)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-7	Turnpike Basin 8C IS-8	Turnpike Basin 8C IS-9	Turnpike Basin 8C IS-10
SAMPLE ID:							
LAB ID:				09383-026	09383-028	09383-029	09383-030
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.000337)	ND (0.000347)	ND (0.000337)	ND (0.00035)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.000235)	ND (0.000242)	ND (0.000235)	ND (0.000244)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000561)	ND (0.000578)	ND (0.000561)	ND (0.000583)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000204)	ND (0.00021)	ND (0.000204)	ND (0.000212)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.000275)	ND (0.000284)	ND (0.000275)	ND (0.000286)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00051)	ND (0.000525)	ND (0.00051)	ND (0.00053)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00049)	ND (0.000504)	ND (0.00049)	ND (0.000509)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00053)	ND (0.000546)	ND (0.00053)	ND (0.000551)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00051)	ND (0.000525)	ND (0.00051)	ND (0.00053)
1,2-Dibromoethane	NC	NC	NC	ND (0.000214)	ND (0.000221)	ND (0.000214)	ND (0.000223)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.000367)	ND (0.000378)	ND (0.000367)	ND (0.000382)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000214)	ND (0.000221)	ND (0.000214)	ND (0.000223)
1,2-Dichloropropane	NC	NC	NC	ND (0.000224)	ND (0.000231)	ND (0.000224)	ND (0.000233)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000316)	ND (0.000326)	ND (0.000316)	ND (0.000329)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000316)	ND (0.000326)	ND (0.000316)	ND (0.000329)
1,4-Dioxane	0.1	NC	0.1	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000377)	ND (0.000389)	ND (0.000377)	ND (0.000392)
2-Hexanone	NC	NC	NC	ND (0.000367)	ND (0.000378)	ND (0.000367)	ND (0.000382)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000245)	ND (0.000252)	ND (0.000245)	ND (0.000254)
Acetone	0.05	NC	0.05	ND (0.000686)	ND (0.000763)	ND (0.0007)	ND (0.000763)
Benzene	0.06	NC	0.06	ND (0.000245)	ND (0.000252)	ND (0.000245)	ND (0.000254)
Bromochloromethane	NC	NC	NC	ND (0.000245)	ND (0.000252)	ND (0.000245)	ND (0.000254)
Bromodichloromethane	NC	NC	NC	ND (0.000326)	ND (0.000336)	ND (0.000326)	ND (0.000339)
Bromoform	NC	NC	NC	ND (0.000326)	ND (0.000336)	ND (0.000326)	ND (0.000339)
Bromomethane	NC	NC	NC	ND (0.000357)	ND (0.000368)	ND (0.000357)	ND (0.000371)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.000347)	ND (0.000357)	ND (0.000347)	ND (0.00036)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000418)	ND (0.000431)	ND (0.000418)	ND (0.000435)
Chlorobenzene	1.1	NC	1.1	ND (0.000224)	ND (0.000231)	ND (0.000224)	ND (0.000233)
Chloroethane	NC	NC	NC	ND (0.000459)	ND (0.000473)	ND (0.000459)	ND (0.000477)
Chloroform	0.37	NC	0.37	ND (0.000296)	ND (0.000305)	ND (0.000296)	ND (0.000307)
Chloromethane	NC	NC	NC	ND (0.000418)	ND (0.000431)	ND (0.000418)	ND (0.000435)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000316)	ND (0.000326)	ND (0.000316)	ND (0.000329)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000265)	ND (0.000273)	ND (0.000265)	ND (0.000276)
Cyclohexane	NC	NC	NC	ND (0.000428)	ND (0.000441)	ND (0.000428)	ND (0.000445)
Dibromochloromethane	NC	NC	NC	ND (0.000224)	ND (0.000231)	ND (0.000224)	ND (0.000233)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000408)	ND (0.00042)	ND (0.000408)	ND (0.000424)
Ethylbenzene	1	NC	1	ND (0.000316)	ND (0.000326)	ND (0.000316)	ND (0.000329)
Isopropylbenzene	NC	1,000	NC	ND (0.000418)	ND (0.000431)	ND (0.000418)	ND (0.000435)
m&p-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000592)	ND (0.000609)	ND (0.000592)	ND (0.000615)
Methylcyclohexane	NC	NC	NC	ND (0.00051)	ND (0.000525)	ND (0.00051)	ND (0.00053)
Methylene chloride	0.05	NC	0.05	ND (0.00202)	ND (0.00208)	ND (0.00202)	ND (0.0021)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000235)	ND (0.000242)	ND (0.000235)	ND (0.000244)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000306)	ND (0.000315)	ND (0.000306)	ND (0.000318)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000265)	ND (0.000273)	ND (0.000265)	ND (0.000276)
Toluene	0.7	NC	0.7	ND (0.000255)	ND (0.000263)	ND (0.000255)	ND (0.000265)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000439)	ND (0.000452)	ND (0.000439)	ND (0.000456)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000265)	ND (0.000273)	ND (0.000265)	ND (0.000276)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.000326)	ND (0.000336)	ND (0.000326)	ND (0.000339)
Trichlorofluoromethane	NC	NC	NC	ND (0.000418)	ND (0.000431)	ND (0.000418)	ND (0.000435)
Vinyl Chloride	0.02	NC	0.02	ND (0.00049)	ND (0.000504)	ND (0.00049)	ND (0.000509)
Xylene (Total)	1.6	NC	0.26	ND (0.00108)	ND (0.00111)	ND (0.00108)	ND (0.00112)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-11	Turnpike Basin 8C IS-12	Turnpike Basin 8C IS-13	Turnpike Basin 8C IS-14
SAMPLE ID:							
LAB ID:				09383-012	09383-011	09383-020	09383-019
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.000327)	ND (0.00033)	ND (0.000323)	ND (0.00032)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.000228)	ND (0.00023)	ND (0.000225)	ND (0.000223)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000545)	ND (0.00055)	ND (0.000539)	ND (0.000534)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.000194)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.000267)	ND (0.00027)	ND (0.000265)	ND (0.000262)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.000495)	ND (0.0005)	ND (0.00049)	ND (0.000485)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.000475)	ND (0.00048)	ND (0.00047)	ND (0.000466)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.000515)	ND (0.00052)	ND (0.00051)	ND (0.000504)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.000495)	ND (0.0005)	ND (0.00049)	ND (0.000485)
1,2-Dibromoethane	NC	NC	NC	ND (0.000208)	ND (0.00021)	ND (0.000206)	ND (0.000204)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.000356)	ND (0.00036)	ND (0.000353)	ND (0.000349)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000208)	ND (0.00021)	ND (0.000206)	ND (0.000204)
1,2-Dichloropropane	NC	NC	NC	ND (0.000218)	ND (0.00022)	ND (0.000216)	ND (0.000213)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000307)	ND (0.00031)	ND (0.000304)	ND (0.000301)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000307)	ND (0.00031)	ND (0.000304)	ND (0.000301)
1,4-Dioxane	0.1	NC	0.1	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.015)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000366)	ND (0.00037)	ND (0.000363)	ND (0.000359)
2-Hexanone	NC	NC	NC	ND (0.000356)	ND (0.00036)	ND (0.000353)	ND (0.000349)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000238)	ND (0.00024)	ND (0.000235)	ND (0.000233)
Acetone	0.05	NC	0.05	ND (0.000693)	ND (0.0007)	ND (0.000686)	ND (0.000679)
Benzene	0.06	NC	0.06	ND (0.000238)	ND (0.00024)	ND (0.000235)	ND (0.000233)
Bromochloromethane	NC	NC	NC	ND (0.000238)	ND (0.00024)	ND (0.000235)	ND (0.000233)
Bromodichloromethane	NC	NC	NC	ND (0.000317)	ND (0.00032)	ND (0.000314)	ND (0.00031)
Bromoform	NC	NC	NC	ND (0.000317)	ND (0.00032)	ND (0.000314)	ND (0.00031)
Bromomethane	NC	NC	NC	ND (0.000347)	ND (0.00035)	ND (0.000343)	ND (0.00034)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.000337)	ND (0.00034)	ND (0.000333)	ND (0.00033)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000406)	ND (0.00041)	ND (0.000402)	ND (0.000398)
Chlorobenzene	1.1	NC	1.1	ND (0.000218)	ND (0.00022)	ND (0.000216)	ND (0.000213)
Chloroethane	NC	NC	NC	ND (0.000446)	ND (0.00045)	ND (0.000441)	ND (0.000437)
Chloroform	0.37	NC	0.37	ND (0.000287)	ND (0.00029)	ND (0.000284)	ND (0.000281)
Chloromethane	NC	NC	NC	ND (0.000406)	ND (0.00041)	ND (0.000402)	ND (0.000398)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000307)	ND (0.00031)	ND (0.000304)	ND (0.000301)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000257)	ND (0.00026)	ND (0.000255)	ND (0.000252)
Cyclohexane	NC	NC	NC	ND (0.000416)	ND (0.00042)	ND (0.000412)	ND (0.000407)
Dibromochloromethane	NC	NC	NC	ND (0.000218)	ND (0.00022)	ND (0.000216)	ND (0.000213)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000396)	ND (0.0004)	ND (0.000392)	ND (0.000388)
Ethylbenzene	1	NC	1	ND (0.000307)	ND (0.00031)	ND (0.000304)	ND (0.000301)
Isopropylbenzene	NC	1,000	NC	ND (0.000406)	ND (0.00041)	ND (0.000402)	ND (0.000398)
m&p-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000574)	ND (0.00058)	ND (0.000568)	ND (0.000563)
Methylcyclohexane	NC	NC	NC	ND (0.000495)	ND (0.0005)	ND (0.00049)	ND (0.000485)
Methylene chloride	0.05	NC	0.05	ND (0.00196)	ND (0.00198)	ND (0.00194)	ND (0.00192)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000228)	ND (0.00023)	ND (0.000225)	ND (0.000223)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000297)	ND (0.0003)	ND (0.000294)	ND (0.000291)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000257)	ND (0.00026)	ND (0.000255)	ND (0.000252)
Toluene	0.7	NC	0.7	ND (0.000248)	ND (0.00025)	ND (0.000245)	ND (0.000243)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000426)	ND (0.00043)	ND (0.000421)	ND (0.000417)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000257)	ND (0.00026)	ND (0.000255)	ND (0.000252)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.000317)	ND (0.00032)	ND (0.000314)	ND (0.00031)
Trichlorofluoromethane	NC	NC	NC	ND (0.000406)	ND (0.00041)	ND (0.000402)	ND (0.000398)
Vinyl Chloride	0.02	NC	0.02	ND (0.000475)	ND (0.00048)	ND (0.00047)	ND (0.000466)
Xylene (Total)	1.6	NC	0.26	ND (0.00105)	ND (0.00106)	ND (0.00104)	ND (0.00103)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-15	Turnpike Basin 8C IS-16	Turnpike Basin 8C IS-17	Turnpike Basin 8C IS-18
SAMPLE ID:							
LAB ID:				09383-018	09383-017	09383-016	09383-015
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.000366)	ND (0.00033)	ND (0.000366)	ND (0.00037)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.000255)	ND (0.00023)	ND (0.000255)	ND (0.000258)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000611)	ND (0.00055)	ND (0.000611)	ND (0.000616)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000222)	ND (0.0002)	ND (0.000222)	ND (0.000224)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.0003)	ND (0.00027)	ND (0.0003)	ND (0.000302)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.000555)	ND (0.0005)	ND (0.000555)	ND (0.00056)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.000533)	ND (0.00048)	ND (0.000533)	ND (0.000538)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.000557)	ND (0.00052)	ND (0.000557)	ND (0.000582)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.000555)	ND (0.0005)	ND (0.000555)	ND (0.00056)
1,2-Dibromoethane	NC	NC	NC	ND (0.000233)	ND (0.00021)	ND (0.000233)	ND (0.000235)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.0004)	ND (0.00036)	ND (0.0004)	ND (0.000403)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000233)	ND (0.00021)	ND (0.000233)	ND (0.000235)
1,2-Dichloropropane	NC	NC	NC	ND (0.000244)	ND (0.00022)	ND (0.000244)	ND (0.000246)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000344)	ND (0.00031)	ND (0.000344)	ND (0.000347)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000344)	ND (0.00031)	ND (0.000344)	ND (0.000347)
1,4-Dioxane	0.1	NC	0.1	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.018)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000411)	ND (0.00037)	ND (0.000411)	ND (0.000414)
2-Hexanone	NC	NC	NC	ND (0.0004)	ND (0.00036)	ND (0.0004)	ND (0.000403)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000266)	ND (0.00024)	ND (0.000266)	ND (0.000269)
Acetone	0.05	NC	0.05	ND (0.000777)	ND (0.0007)	ND (0.000777)	ND (0.000784)
Benzene	0.06	NC	0.06	ND (0.000266)	ND (0.00024)	ND (0.000266)	ND (0.000269)
Bromochloromethane	NC	NC	NC	ND (0.000266)	ND (0.00024)	ND (0.000266)	ND (0.000269)
Bromodichloromethane	NC	NC	NC	ND (0.000355)	ND (0.00032)	ND (0.000355)	ND (0.000358)
Bromofrom	NC	NC	NC	ND (0.000355)	ND (0.00032)	ND (0.000355)	ND (0.000358)
Bromomethane	NC	NC	NC	ND (0.000389)	ND (0.00035)	ND (0.000389)	ND (0.000392)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.000377)	ND (0.00034)	ND (0.000377)	ND (0.000381)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000455)	ND (0.00041)	ND (0.000455)	ND (0.000459)
Chlorobenzene	1.1	NC	1.1	ND (0.000244)	ND (0.00022)	ND (0.000244)	ND (0.000246)
Chloroethane	NC	NC	NC	ND (0.0005)	ND (0.00045)	ND (0.0005)	ND (0.000504)
Chloroform	0.37	NC	0.37	ND (0.000322)	ND (0.00029)	ND (0.000322)	ND (0.000287)
Chloromethane	NC	NC	NC	ND (0.000455)	ND (0.00041)	ND (0.000455)	ND (0.000459)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000344)	ND (0.00031)	ND (0.000344)	ND (0.000347)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000289)	ND (0.00026)	ND (0.000289)	ND (0.000291)
Cyclohexane	NC	NC	NC	ND (0.000466)	ND (0.00042)	ND (0.000466)	ND (0.00047)
Dibromochloromethane	NC	NC	NC	ND (0.000244)	ND (0.00022)	ND (0.000244)	ND (0.000246)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000444)	ND (0.0004)	ND (0.000444)	ND (0.000448)
Ethylbenzene	1	NC	1	ND (0.000344)	ND (0.00031)	ND (0.000344)	ND (0.000347)
Isopropylbenzene	NC	1,000	NC	ND (0.000455)	ND (0.00041)	ND (0.000455)	ND (0.000459)
m&p-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000644)	ND (0.00058)	ND (0.000644)	ND (0.00065)
Methylcyclohexane	NC	NC	NC	ND (0.000555)	ND (0.0005)	ND (0.000555)	ND (0.00056)
Methylene chloride	0.05	NC	0.05	ND (0.0022)	ND (0.00198)	ND (0.0022)	ND (0.00222)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000255)	ND (0.00023)	ND (0.000255)	ND (0.000258)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000333)	ND (0.0003)	ND (0.000333)	ND (0.000336)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000289)	ND (0.00026)	ND (0.000289)	ND (0.000291)
Toluene	0.7	NC	0.7	ND (0.000278)	ND (0.00025)	ND (0.000278)	ND (0.00028)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000477)	ND (0.00043)	ND (0.000477)	ND (0.000482)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000289)	ND (0.00026)	ND (0.000289)	ND (0.000291)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.000355)	ND (0.00032)	ND (0.000355)	ND (0.000358)
Trichlorofluoromethane	NC	NC	NC	ND (0.000455)	ND (0.00041)	ND (0.000455)	ND (0.000459)
Vinyl Chloride	0.02	NC	0.02	ND (0.000533)	ND (0.00048)	ND (0.000533)	ND (0.000538)
Xylene (Total)	1.6	NC	0.26	ND (0.00118)	ND (0.00106)	ND (0.00118)	ND (0.00119)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-19	Turnpike Basin 8C IS-20	Turnpike Basin 8C IS-21	Turnpike Basin 8C IS-22
SAMPLE ID:							
LAB ID:				09383-014	09383-013	09383-010	09383-004
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.000327)	ND (0.000337)	ND (0.000343)	ND (0.000366)
1,1,2-Tetrachloroethane	NC	NC	NC	ND (0.000228)	ND (0.000235)	ND (0.000239)	ND (0.000255)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000545)	ND (0.000561)	ND (0.000572)	ND (0.000611)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000198)	ND (0.000204)	ND (0.000208)	ND (0.000222)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.000267)	ND (0.000275)	ND (0.000281)	ND (0.0003)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.000495)	ND (0.00051)	ND (0.00052)	ND (0.000555)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.000475)	ND (0.00049)	ND (0.000499)	ND (0.000533)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.000515)	ND (0.00053)	ND (0.000541)	ND (0.000557)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.000495)	ND (0.00051)	ND (0.00052)	ND (0.000555)
1,2-Dibromoethane	NC	NC	NC	ND (0.000208)	ND (0.000214)	ND (0.000218)	ND (0.000233)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.000356)	ND (0.000367)	ND (0.000374)	ND (0.0004)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000208)	ND (0.000214)	ND (0.000218)	ND (0.000233)
1,2-Dichloropropane	NC	NC	NC	ND (0.000218)	ND (0.000224)	ND (0.000229)	ND (0.000244)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000307)	ND (0.000316)	ND (0.000322)	ND (0.000344)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000307)	ND (0.000316)	ND (0.000322)	ND (0.000344)
1,4-Dioxane	0.1	NC	0.1	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.017)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000366)	ND (0.000377)	ND (0.000385)	ND (0.000411)
2-Hexanone	NC	NC	NC	ND (0.000356)	ND (0.000367)	ND (0.000374)	ND (0.0004)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000238)	ND (0.000245)	ND (0.00025)	ND (0.000266)
Acetone	0.05	NC	0.05	ND (0.000693)	ND (0.000714)	ND (0.000728)	ND (0.000777)
Benzene	0.06	NC	0.06	ND (0.000238)	ND (0.000245)	ND (0.00025)	ND (0.000266)
Bromochloromethane	NC	NC	NC	ND (0.000238)	ND (0.000245)	ND (0.00025)	ND (0.000266)
Bromodichloromethane	NC	NC	NC	ND (0.000317)	ND (0.000326)	ND (0.000333)	ND (0.000355)
Bromoform	NC	NC	NC	ND (0.000317)	ND (0.000326)	ND (0.000333)	ND (0.000355)
Bromomethane	NC	NC	NC	ND (0.000347)	ND (0.000357)	ND (0.000364)	ND (0.000389)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.000337)	ND (0.000347)	ND (0.000354)	ND (0.000377)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000406)	ND (0.000418)	ND (0.000426)	ND (0.000455)
Chlorobenzene	1.1	NC	1.1	ND (0.000218)	ND (0.000224)	ND (0.000229)	ND (0.000244)
Chloroethane	NC	NC	NC	ND (0.000446)	ND (0.000459)	ND (0.000468)	ND (0.0005)
Chloroform	0.37	NC	0.37	ND (0.000287)	ND (0.000296)	ND (0.000302)	ND (0.000322)
Chloromethane	NC	NC	NC	ND (0.000406)	ND (0.000418)	ND (0.000426)	ND (0.000455)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000307)	ND (0.000316)	ND (0.000322)	ND (0.000344)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000257)	ND (0.000265)	ND (0.00027)	ND (0.000289)
Cyclohexane	NC	NC	NC	ND (0.000416)	ND (0.000428)	ND (0.000437)	ND (0.000466)
Dibromochloromethane	NC	NC	NC	ND (0.000218)	ND (0.000224)	ND (0.000229)	ND (0.000244)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000396)	ND (0.000408)	ND (0.000416)	ND (0.000444)
Ethylbenzene	1	NC	1	ND (0.000307)	ND (0.000316)	ND (0.000322)	ND (0.000344)
Isopropylbenzene	NC	1,000	NC	ND (0.000406)	ND (0.000418)	ND (0.000426)	ND (0.000455)
m&p-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000574)	ND (0.000592)	ND (0.000603)	ND (0.000644)
Methylcyclohexane	NC	NC	NC	ND (0.000495)	ND (0.00051)	ND (0.00052)	ND (0.000555)
Methylene chloride	0.05	NC	0.05	ND (0.00196)	ND (0.00202)	ND (0.00206)	ND (0.0022)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000228)	ND (0.000235)	ND (0.000239)	ND (0.000255)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000297)	ND (0.000306)	ND (0.000312)	ND (0.000333)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000257)	ND (0.000265)	ND (0.00027)	ND (0.000289)
Toluene	0.7	NC	0.7	ND (0.000248)	ND (0.000255)	ND (0.00026)	ND (0.000278)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000426)	ND (0.000439)	ND (0.000447)	ND (0.000477)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000257)	ND (0.000265)	ND (0.00027)	ND (0.000289)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.000317)	ND (0.000326)	ND (0.000333)	ND (0.000355)
Trichlorofluoromethane	NC	NC	NC	ND (0.000406)	ND (0.000418)	ND (0.000426)	ND (0.000455)
Vinyl Chloride	0.02	NC	0.02	ND (0.000475)	ND (0.00049)	ND (0.000499)	ND (0.000533)
Xylene (Total)	1.6	NC	0.26	ND (0.00105)	ND (0.00108)	ND (0.0011)	ND (0.00118)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-23	Turnpike Basin 8C IS-24	Turnpike Basin 8C IS-25	Turnpike Basin 8C IS-26
SAMPLE ID:							
LAB ID:				09383-005	09383-006	09383-007	09383-008
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.000366)	ND (0.00036)	ND (0.000363)	ND (0.000314)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.000255)	ND (0.000251)	ND (0.000253)	ND (0.000219)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000611)	ND (0.0006)	ND (0.000605)	ND (0.000523)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000222)	ND (0.000218)	ND (0.00022)	ND (0.00019)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.0003)	ND (0.000294)	ND (0.000297)	ND (0.000257)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.000555)	ND (0.000545)	ND (0.00055)	ND (0.000475)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.000533)	ND (0.000523)	ND (0.000528)	ND (0.000456)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.000557)	ND (0.000567)	ND (0.000572)	ND (0.000494)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.000555)	ND (0.000545)	ND (0.00055)	ND (0.000475)
1,2-Dibromoethane	NC	NC	NC	ND (0.000233)	ND (0.000229)	ND (0.000231)	ND (0.0002)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.0004)	ND (0.000392)	ND (0.000396)	ND (0.000342)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000233)	ND (0.000229)	ND (0.000231)	ND (0.0002)
1,2-Dichloropropane	NC	NC	NC	ND (0.000244)	ND (0.00024)	ND (0.000242)	ND (0.000209)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000344)	ND (0.000338)	ND (0.000341)	ND (0.000295)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000344)	ND (0.000338)	ND (0.000341)	ND (0.000295)
1,4-Dioxane	0.1	NC	0.1	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.015)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000411)	ND (0.000403)	ND (0.000407)	ND (0.000352)
2-Hexanone	NC	NC	NC	ND (0.0004)	ND (0.000392)	ND (0.000396)	ND (0.000342)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000266)	ND (0.000262)	ND (0.000264)	ND (0.000228)
Acetone	0.05	NC	0.05	ND (0.000777)	0.014	ND (0.00077)	ND (0.000665)
Benzene	0.06	NC	0.06	ND (0.000266)	ND (0.000262)	ND (0.000264)	ND (0.000228)
Bromochloromethane	NC	NC	NC	ND (0.000266)	ND (0.000262)	ND (0.000264)	ND (0.000228)
Bromodichloromethane	NC	NC	NC	ND (0.000355)	ND (0.000349)	ND (0.000352)	ND (0.000304)
Bromoform	NC	NC	NC	ND (0.000355)	ND (0.000349)	ND (0.000352)	ND (0.000304)
Bromomethane	NC	NC	NC	ND (0.000389)	ND (0.000382)	ND (0.000385)	ND (0.000333)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.000377)	ND (0.000371)	ND (0.000374)	ND (0.000323)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000455)	ND (0.000447)	ND (0.000451)	ND (0.00039)
Chlorobenzene	1.1	NC	1.1	ND (0.000244)	ND (0.00024)	ND (0.000242)	ND (0.000209)
Chloroethane	NC	NC	NC	ND (0.0005)	ND (0.000491)	ND (0.000495)	ND (0.000428)
Chloroform	0.37	NC	0.37	ND (0.000322)	ND (0.000316)	ND (0.000319)	ND (0.000276)
Chloromethane	NC	NC	NC	ND (0.000455)	ND (0.000447)	ND (0.000451)	ND (0.00039)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000344)	ND (0.000338)	ND (0.000341)	ND (0.000295)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000289)	ND (0.000283)	ND (0.000286)	ND (0.000247)
Cyclohexane	NC	NC	NC	ND (0.000466)	ND (0.000458)	ND (0.000462)	ND (0.000399)
Dibromochloromethane	NC	NC	NC	ND (0.000244)	ND (0.00024)	ND (0.000242)	ND (0.000209)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000444)	ND (0.000436)	ND (0.00044)	ND (0.00038)
Ethylbenzene	1	NC	1	ND (0.000344)	ND (0.000338)	ND (0.000341)	ND (0.000295)
Isopropylbenzene	NC	1,000	NC	ND (0.000455)	ND (0.000447)	ND (0.000451)	ND (0.00039)
m&p-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000644)	ND (0.000632)	ND (0.000638)	ND (0.000551)
Methylcyclohexane	NC	NC	NC	ND (0.000555)	ND (0.000545)	ND (0.00055)	ND (0.000475)
Methylene chloride	0.05	NC	0.05	ND (0.0022)	ND (0.00216)	ND (0.00218)	ND (0.00188)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000255)	ND (0.000251)	ND (0.000253)	ND (0.000219)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000333)	ND (0.000327)	ND (0.00033)	ND (0.000285)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000289)	ND (0.000283)	ND (0.000286)	ND (0.000247)
Toluene	0.7	NC	0.7	ND (0.000278)	ND (0.000273)	ND (0.000275)	ND (0.000238)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000477)	ND (0.000469)	ND (0.000473)	ND (0.000409)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000289)	ND (0.000283)	ND (0.000286)	ND (0.000247)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.000355)	ND (0.000349)	ND (0.000352)	ND (0.000304)
Trichlorofluoromethane	NC	NC	NC	ND (0.000455)	ND (0.000447)	ND (0.000451)	ND (0.00039)
Vinyl Chloride	0.02	NC	0.02	ND (0.000533)	ND (0.000523)	ND (0.000528)	ND (0.000456)
Xylene (Total)	1.6	NC	0.26	ND (0.00118)	ND (0.00116)	ND (0.00117)	ND (0.00101)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-27	Turnpike Basin 8C IS-28	Turnpike Basin 8C IS-29	Turnpike Basin 8C IS-30
SAMPLE ID:							
LAB ID:				09383-009	09383-001	09383-002	09383-003
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00034)	ND (0.000409)	ND (0.000343)	ND (0.000353)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.000237)	ND (0.000285)	ND (0.000239)	ND (0.000246)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000567)	ND (0.000682)	ND (0.000572)	ND (0.000589)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000206)	ND (0.000248)	ND (0.000208)	ND (0.000214)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.000278)	ND (0.000335)	ND (0.000281)	ND (0.000289)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.000515)	ND (0.00062)	ND (0.00052)	ND (0.000535)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.000494)	ND (0.000595)	ND (0.000499)	ND (0.000514)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.000536)	ND (0.000645)	ND (0.000541)	ND (0.000556)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.000515)	ND (0.00062)	ND (0.00052)	ND (0.000535)
1,2-Dibromoethane	NC	NC	NC	ND (0.000216)	ND (0.00026)	ND (0.000218)	ND (0.000225)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.000371)	ND (0.000446)	ND (0.000374)	ND (0.000385)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000216)	ND (0.00026)	ND (0.000218)	ND (0.000225)
1,2-Dichloropropane	NC	NC	NC	ND (0.000227)	ND (0.000273)	ND (0.000229)	ND (0.000235)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000319)	ND (0.000384)	ND (0.000322)	ND (0.000332)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000319)	ND (0.000384)	ND (0.000322)	ND (0.000332)
1,4-Dioxane	0.1	NC	0.1	ND (0.016)	ND (0.019)	ND (0.016)	ND (0.017)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000381)	ND (0.000459)	ND (0.000385)	ND (0.000396)
2-Hexanone	NC	NC	NC	ND (0.000371)	ND (0.000446)	ND (0.000374)	ND (0.000385)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000247)	ND (0.000298)	ND (0.00025)	ND (0.000257)
Acetone	0.05	NC	0.05	ND (0.000721)	ND (0.000868)	ND (0.000728)	ND (0.000749)
Benzene	0.06	NC	0.06	ND (0.000247)	ND (0.000298)	ND (0.00025)	ND (0.000257)
Bromochloromethane	NC	NC	NC	ND (0.000247)	ND (0.000298)	ND (0.00025)	ND (0.000257)
Bromodichloromethane	NC	NC	NC	ND (0.00033)	ND (0.000397)	ND (0.000333)	ND (0.000342)
Bromofrom	NC	NC	NC	ND (0.00033)	ND (0.000397)	ND (0.000333)	ND (0.000342)
Bromomethane	NC	NC	NC	ND (0.000361)	ND (0.000434)	ND (0.000364)	ND (0.000375)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00035)	ND (0.000422)	ND (0.000354)	ND (0.000364)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000422)	ND (0.000508)	ND (0.000426)	ND (0.000439)
Chlorobenzene	1.1	NC	1.1	ND (0.000227)	ND (0.000273)	ND (0.000229)	ND (0.000235)
Chloroethane	NC	NC	NC	ND (0.000464)	ND (0.000558)	ND (0.000468)	ND (0.000482)
Chloroform	0.37	NC	0.37	ND (0.000299)	ND (0.00036)	ND (0.000302)	ND (0.00031)
Chloromethane	NC	NC	NC	ND (0.000422)	ND (0.000508)	ND (0.000426)	ND (0.000439)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000319)	ND (0.000384)	ND (0.000322)	ND (0.000332)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000268)	ND (0.000322)	ND (0.00027)	ND (0.000278)
Cyclohexane	NC	NC	NC	ND (0.000433)	ND (0.000521)	ND (0.000437)	ND (0.000449)
Dibromochloromethane	NC	NC	NC	ND (0.000227)	ND (0.000273)	ND (0.000229)	ND (0.000235)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000412)	ND (0.000496)	ND (0.000416)	ND (0.000428)
Ethylbenzene	1	NC	1	ND (0.000319)	ND (0.000384)	ND (0.000322)	ND (0.000332)
Isopropylbenzene	NC	1,000	NC	ND (0.000422)	ND (0.000508)	ND (0.000426)	ND (0.000439)
m&p-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000597)	ND (0.000719)	ND (0.000603)	ND (0.000621)
Methylcyclohexane	NC	NC	NC	ND (0.000515)	ND (0.00062)	ND (0.00052)	ND (0.000535)
Methylene chloride	0.05	NC	0.05	ND (0.00204)	ND (0.00246)	ND (0.00206)	ND (0.00212)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000237)	ND (0.000285)	ND (0.000239)	ND (0.000246)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000309)	ND (0.000372)	ND (0.000312)	ND (0.000321)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000268)	ND (0.000322)	ND (0.00027)	ND (0.000278)
Toluene	0.7	NC	0.7	ND (0.000258)	ND (0.00031)	ND (0.00026)	ND (0.000268)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000443)	ND (0.000533)	ND (0.000447)	ND (0.00046)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000268)	ND (0.000322)	ND (0.00027)	ND (0.000278)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00033)	ND (0.000397)	ND (0.000333)	ND (0.000342)
Trichlorofluoromethane	NC	NC	NC	ND (0.000422)	ND (0.000508)	ND (0.000426)	ND (0.000439)
Vinyl Chloride	0.02	NC	0.02	ND (0.000494)	ND (0.000595)	ND (0.000499)	ND (0.000514)
Xylene (Total)	1.6	NC	0.26	ND (0.00109)	ND (0.00131)	ND (0.0011)	ND (0.00113)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayonne FD-1	Bayonne FD-2	Bayonne FD-3	Bayonne FD-4
SAMPLE ID:							
LAB ID:				JB33052-1A	JB33052-2A	JB33052-3A	JB33052-4A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00013)	ND (0.00012)	ND (0.00013)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00014)	ND (0.00016)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00045)	ND (0.00051)	ND (0.00047)	ND (0.00051)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00018)	ND (0.00021)	ND (0.00019)	ND (0.00021)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00016)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00027)	ND (0.00031)	ND (0.00028)	ND (0.00031)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00020)	ND (0.00018)	ND (0.00020)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00015)	ND (0.00017)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00093)	ND (0.0011)	ND (0.00097)	ND (0.0011)
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00014)	ND (0.00015)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00020)	ND (0.00023)	ND (0.00021)	ND (0.00023)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00016)
1,2-Dichloropropane	NC	NC	NC	ND (0.00016)	ND (0.00018)	ND (0.00017)	ND (0.00018)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00020)	ND (0.00022)	ND (0.00020)	ND (0.00022)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00021)	ND (0.00019)	ND (0.00021)
1,4-Dioxane	0.1	NC	0.1	ND (0.062)	ND (0.071)	ND (0.065)	ND (0.071)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0025)	ND (0.0029)	ND (0.0026)	ND (0.0028)
2-Hexanone	NC	NC	NC	ND (0.00065)	ND (0.00074)	ND (0.00068)	ND (0.00074)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00079)	ND (0.00090)	ND (0.00082)	ND (0.00089)
Acetone	0.05	NC	0.05	0.0021 J	ND (0.0020)	0.0046 J	ND (0.0020)
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00014)	ND (0.00013)	ND (0.00014)
Bromochloromethane	NC	NC	NC	ND (0.00028)	ND (0.00032)	ND (0.00029)	ND (0.00032)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00013)	ND (0.00011)	ND (0.00013)
Bromoform	NC	NC	NC	ND (0.00016)	ND (0.00018)	ND (0.00016)	ND (0.00018)
Bromomethane	NC	NC	NC	ND (0.00029)	ND (0.00033)	ND (0.00030)	ND (0.00033)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	ND (0.00014)	ND (0.00013)	ND (0.00014)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00016)	ND (0.00014)	ND (0.00016)
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.00013)	ND (0.00012)	ND (0.00013)
Chloroethane	NC	NC	NC	ND (0.00024)	ND (0.00027)	ND (0.00025)	ND (0.00027)
Chloroform	0.37	NC	0.37	ND (0.00087)	ND (0.00099)	ND (0.00090)	ND (0.00098)
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00022)	ND (0.00020)	ND (0.00022)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00019)	ND (0.00022)	ND (0.00020)	ND (0.00022)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00015)	ND (0.00017)
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00013)	ND (0.00015)
Dibromochloromethane	NC	NC	NC	ND (0.00017)	ND (0.00020)	ND (0.00018)	ND (0.00020)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00024)	ND (0.00027)	ND (0.00025)	ND (0.00027)
Ethylbenzene	1	NC	1	ND (0.00028)	ND (0.00031)	ND (0.00029)	ND (0.00031)
Isopropylbenzene	NC	1,000	NC	ND (0.00078)	ND (0.00089)	ND (0.00081)	ND (0.00089)
m&p-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00018)	ND (0.00021)	ND (0.00019)	ND (0.00021)
Methyl acetate	NC	NC	NC	ND (0.0027)	ND (0.0031)	ND (0.0028)	ND (0.0031)
Methylcyclohexane	NC	NC	NC	ND (0.00018)	ND (0.00020)	ND (0.00018)	ND (0.00020)
Methylene chloride	0.05	NC	0.05	0.0062	0.003 J	0.0067	0.0041 J
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00025)	ND (0.00028)	ND (0.00026)	ND (0.00028)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00015)	ND (0.00017)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00096)	ND (0.00011)	ND (0.00010)	ND (0.00011)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00018)	ND (0.00021)	ND (0.00019)	ND (0.00021)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00013)	ND (0.00011)	ND (0.00013)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00025)	ND (0.00028)	ND (0.00026)	ND (0.00028)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00019)	ND (0.00017)	ND (0.00018)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00018)	ND (0.00021)	ND (0.00019)	ND (0.00021)
Trichlorofluoromethane	NC	NC	NC	ND (0.00031)	ND (0.00036)	ND (0.00032)	ND (0.00035)
Vinyl Chloride	0.02	NC	0.02	ND (0.00015)	ND (0.00017)	ND (0.00016)	ND (0.00017)
Xylene (Total)	1.6	NC	0.26	ND (0.00015)	ND (0.00017)	ND (0.00015)	ND (0.00017)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayonne FD-5	Bayonne FD-6	Bayonne FD-7	Bayonne FD-8
SAMPLE ID:							
LAB ID:				JB33052-5A	JB33052-6A	JB33052-7A	JB33052-8A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00017)	ND (0.00016)	ND (0.00017)	ND (0.00016)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00056)	ND (0.00052)	ND (0.00055)	ND (0.00051)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00021)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00018)	ND (0.00016)	ND (0.00017)	ND (0.00016)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00033)	ND (0.00031)	ND (0.00033)	ND (0.00031)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00021)	ND (0.00020)	ND (0.00021)	ND (0.00020)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00017)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00012)	ND (0.00011)	ND (0.00011)	ND (0.00011)
1,2-Dibromoethane	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00024)	ND (0.00023)	ND (0.00024)	ND (0.00023)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00017)	ND (0.00016)	ND (0.00017)	ND (0.00016)
1,2-Dichloropropane	NC	NC	NC	ND (0.00020)	ND (0.00018)	ND (0.00020)	ND (0.00018)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00024)	ND (0.00022)	ND (0.00024)	ND (0.00022)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00021)
1,4-Dioxane	0.1	NC	0.1	ND (0.077)	ND (0.071)	ND (0.076)	ND (0.071)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0031)	ND (0.0029)	ND (0.0031)	ND (0.0029)
2-Hexanone	NC	NC	NC	ND (0.00080)	ND (0.00075)	ND (0.00079)	ND (0.00074)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00097)	ND (0.00090)	ND (0.00096)	ND (0.00090)
Acetone	0.05	NC	0.05	ND (0.0022)	ND (0.0020)	0.0028	J ND (0.0020)
Benzene	0.06	NC	0.06	ND (0.00015)	ND (0.00014)	ND (0.00015)	ND (0.00014)
Bromochloromethane	NC	NC	NC	ND (0.00034)	ND (0.00032)	ND (0.00034)	ND (0.00032)
Bromodichloromethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00013)	ND (0.00013)
Bromofrom	NC	NC	NC	ND (0.00020)	ND (0.00018)	ND (0.00019)	ND (0.00018)
Bromomethane	NC	NC	NC	ND (0.00035)	ND (0.00033)	ND (0.00035)	ND (0.00033)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00015)	ND (0.00014)	ND (0.00015)	ND (0.00014)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00017)	ND (0.00016)	ND (0.00017)	ND (0.00016)
Chlorobenzene	1.1	NC	1.1	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00013)
Chloroethane	NC	NC	NC	ND (0.00029)	ND (0.00027)	ND (0.00029)	ND (0.00027)
Chloroform	0.37	NC	0.37	ND (0.00011)	ND (0.000099)	ND (0.00011)	ND (0.000099)
Chloromethane	NC	NC	NC	ND (0.00024)	ND (0.00022)	ND (0.00024)	ND (0.00022)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00024)	ND (0.00022)	ND (0.00023)	ND (0.00022)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00017)
Cyclohexane	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)
Dibromochloromethane	NC	NC	NC	ND (0.00021)	ND (0.00020)	ND (0.00021)	ND (0.00020)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00029)	ND (0.00027)	ND (0.00029)	ND (0.00027)
Ethylbenzene	1	NC	1	ND (0.00034)	ND (0.00032)	ND (0.00034)	ND (0.00031)
Isopropylbenzene	NC	1,000	NC	ND (0.000096)	ND (0.000089)	ND (0.000095)	ND (0.000089)
m&p-Xylene	NC ¹	NC	NC	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00021)
Methyl acetate	NC	NC	NC	ND (0.00034)	ND (0.00031)	ND (0.00033)	ND (0.00031)
Methylcyclohexane	NC	NC	NC	ND (0.00022)	ND (0.00020)	ND (0.00022)	ND (0.00020)
Methylene chloride	0.05	NC	0.05	0.0039	J 0.0066	0.0088	0.0077
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00030)	ND (0.00028)	ND (0.00030)	ND (0.00028)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00017)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00011)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00022)	ND (0.00021)	ND (0.00022)	ND (0.00021)
Toluene	0.7	NC	0.7	ND (0.00014)	ND (0.00013)	ND (0.00013)	ND (0.00013)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00031)	ND (0.00029)	ND (0.00030)	ND (0.00028)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00020)	ND (0.00019)	ND (0.00020)	ND (0.00019)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00021)
Trichlorofluoromethane	NC	NC	NC	ND (0.00039)	ND (0.00036)	ND (0.00038)	ND (0.00036)
Vinyl Chloride	0.02	NC	0.02	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00017)
Xylene (Total)	1.6	NC	0.26	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00017)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayonne FD-9	Bayonne FD-10	Bayonne FD-11	Bayonne FD-12
SAMPLE ID:							
LAB ID:				JB33052-9A	JB33052-10A	JB33052-11A	JB33052-12A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00014)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00016)	ND (0.00016)	ND (0.00017)	ND (0.00018)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00051)	ND (0.00053)	ND (0.00054)	ND (0.00058)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00022)	ND (0.00023)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00016)	ND (0.00017)	ND (0.00017)	ND (0.00018)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00031)	ND (0.00032)	ND (0.00032)	ND (0.00035)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00020)	ND (0.00020)	ND (0.00021)	ND (0.00022)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00019)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00011)	ND (0.00011)	ND (0.00011)	ND (0.00012)
1,2-Dibromoethane	NC	NC	NC	ND (0.00015)	ND (0.00016)	ND (0.00016)	ND (0.00017)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00023)	ND (0.00023)	ND (0.00024)	ND (0.00026)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00016)	ND (0.00017)	ND (0.00017)	ND (0.00018)
1,2-Dichloropropane	NC	NC	NC	ND (0.00018)	ND (0.00019)	ND (0.00019)	ND (0.00021)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00022)	ND (0.00023)	ND (0.00023)	ND (0.00025)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00021)	ND (0.00022)	ND (0.00022)	ND (0.00024)
1,4-Dioxane	0.1	NC	0.1	ND (0.071)	ND (0.073)	ND (0.075)	ND (0.080)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.00029)	ND (0.00030)	ND (0.00030)	ND (0.00032)
2-Hexanone	NC	NC	NC	ND (0.00074)	ND (0.00077)	ND (0.00078)	ND (0.00084)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00090)	ND (0.00093)	ND (0.00094)	ND (0.0010)
Acetone	0.05	NC	0.05	ND (0.00020)	ND (0.00021)	ND (0.00021)	ND (0.00023)
Benzene	0.06	NC	0.06	ND (0.00014)	ND (0.00015)	ND (0.00015)	ND (0.00016)
Bromochloromethane	NC	NC	NC	ND (0.00032)	ND (0.00033)	ND (0.00033)	ND (0.00036)
Bromodichloromethane	NC	NC	NC	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00014)
Bromofrom	NC	NC	NC	ND (0.00018)	ND (0.00019)	ND (0.00019)	ND (0.00020)
Bromomethane	NC	NC	NC	ND (0.00033)	ND (0.00034)	ND (0.00034)	ND (0.00037)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00014)	ND (0.00014)	ND (0.00015)	ND (0.00016)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00016)	ND (0.00016)	ND (0.00017)	ND (0.00018)
Chlorobenzene	1.1	NC	1.1	ND (0.00013)	ND (0.00013)	ND (0.00014)	ND (0.00015)
Chloroethane	NC	NC	NC	ND (0.00027)	ND (0.00028)	ND (0.00028)	ND (0.00031)
Chloroform	0.37	NC	0.37	ND (0.000099)	ND (0.00010)	ND (0.00010)	ND (0.00011)
Chloromethane	NC	NC	NC	ND (0.00022)	ND (0.00023)	ND (0.00023)	ND (0.00025)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00022)	ND (0.00023)	ND (0.00023)	ND (0.00025)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00019)
Cyclohexane	NC	NC	NC	ND (0.00015)	ND (0.00015)	ND (0.00016)	ND (0.00017)
Dibromochloromethane	NC	NC	NC	ND (0.00020)	ND (0.00020)	ND (0.00021)	ND (0.00022)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00027)	ND (0.00028)	ND (0.00029)	ND (0.00031)
Ethylbenzene	1	NC	1	ND (0.00031)	ND (0.00032)	ND (0.00033)	ND (0.00035)
Isopropylbenzene	NC	1,000	NC	ND (0.000089)	ND (0.000092)	ND (0.000093)	ND (0.00010)
m&p-Xylene	NC ¹	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00022)	ND (0.00023)
Methyl acetate	NC	NC	NC	ND (0.00031)	ND (0.00032)	ND (0.00033)	ND (0.00035)
Methylcyclohexane	NC	NC	NC	ND (0.00020)	ND (0.00021)	ND (0.00021)	ND (0.00023)
Methylene chloride	0.05	NC	0.05	0.0101	0.0101	0.0049	0.0066
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00028)	ND (0.00029)	ND (0.00029)	ND (0.00032)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00019)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00011)	ND (0.00011)	ND (0.00011)	ND (0.00012)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00021)	ND (0.00021)	ND (0.00022)	ND (0.00023)
Toluene	0.7	NC	0.7	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00014)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00028)	ND (0.00029)	ND (0.00030)	ND (0.00032)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00019)	ND (0.00019)	ND (0.00019)	ND (0.00021)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00021)	ND (0.00021)	ND (0.00022)	ND (0.00023)
Trichlorofluoromethane	NC	NC	NC	ND (0.00036)	ND (0.00037)	ND (0.00037)	ND (0.00040)
Vinyl Chloride	0.02	NC	0.02	ND (0.00017)	ND (0.00018)	ND (0.00018)	ND (0.00019)
Xylene (Total)	1.6	NC	0.26	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00019)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayonne FD-13	Bayonne FD-14	Bayonne FD-15	Bayonne FD-16
SAMPLE ID:							
LAB ID:				JB33052-13A	JB33052-14A	JB33052-15A	JB33052-16A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00017)	ND (0.00016)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00058)	ND (0.00052)	ND (0.00057)	ND (0.00053)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00021)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00017)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00035)	ND (0.00031)	ND (0.00034)	ND (0.00031)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00022)	ND (0.00020)	ND (0.00022)	ND (0.00020)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00017)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00011)
1,2-Dibromoethane	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00017)	ND (0.00016)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00026)	ND (0.00023)	ND (0.00025)	ND (0.00023)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00018)	ND (0.00016)	ND (0.00018)	ND (0.00017)
1,2-Dichloropropane	NC	NC	NC	ND (0.00021)	ND (0.00019)	ND (0.00020)	ND (0.00019)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00025)	ND (0.00023)	ND (0.00025)	ND (0.00023)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00024)	ND (0.00021)	ND (0.00023)	ND (0.00022)
1,4-Dioxane	0.1	NC	0.1	ND (0.080)	ND (0.072)	ND (0.078)	ND (0.073)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.00032)	ND (0.00029)	ND (0.00031)	ND (0.00029)
2-Hexanone	NC	NC	NC	ND (0.00084)	ND (0.00076)	ND (0.00082)	ND (0.00076)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00010)	ND (0.000091)	ND (0.000099)	ND (0.000092)
Acetone	0.05	NC	0.05	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00021)
Benzene	0.06	NC	0.06	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00015)
Bromochloromethane	NC	NC	NC	ND (0.00036)	ND (0.00032)	ND (0.00035)	ND (0.00032)
Bromodichloromethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00013)
Bromofrom	NC	NC	NC	ND (0.00020)	ND (0.00018)	ND (0.00020)	ND (0.00018)
Bromomethane	NC	NC	NC	ND (0.00037)	ND (0.00033)	ND (0.00036)	ND (0.00033)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00016)	ND (0.00014)	ND (0.00015)	ND (0.00014)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00018)	ND (0.00016)	ND (0.00018)	ND (0.00016)
Chlorobenzene	1.1	NC	1.1	ND (0.00015)	ND (0.00013)	ND (0.00014)	ND (0.00013)
Chloroethane	NC	NC	NC	ND (0.00031)	ND (0.00028)	ND (0.00030)	ND (0.00028)
Chloroform	0.37	NC	0.37	ND (0.00011)	ND (0.00010)	ND (0.00011)	ND (0.00010)
Chloromethane	NC	NC	NC	ND (0.00025)	ND (0.00023)	ND (0.00024)	ND (0.00023)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00025)	ND (0.00022)	ND (0.00024)	ND (0.00022)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00017)
Cyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00016)	ND (0.00015)
Dibromochloromethane	NC	NC	NC	ND (0.00022)	ND (0.00020)	ND (0.00022)	ND (0.00020)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00031)	ND (0.00028)	ND (0.00030)	ND (0.00028)
Ethylbenzene	1	NC	1	ND (0.00035)	ND (0.00032)	ND (0.00035)	ND (0.00032)
Isopropylbenzene	NC	1,000	NC	ND (0.00010)	ND (0.000090)	ND (0.000098)	ND (0.000091)
m&p-Xylene	NC ¹	NC	NC	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00021)
Methyl acetate	NC	NC	NC	ND (0.00035)	ND (0.00032)	ND (0.00034)	ND (0.00032)
Methylcyclohexane	NC	NC	NC	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00021)
Methylene chloride	0.05	NC	0.05	0.0068	0.0034	0.0053	0.0039
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00032)	ND (0.00029)	ND (0.00031)	ND (0.00029)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00017)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00011)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00021)
Toluene	0.7	NC	0.7	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00013)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00032)	ND (0.00029)	ND (0.00031)	ND (0.00029)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00021)	ND (0.00019)	ND (0.00020)	ND (0.00019)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00021)
Trichlorofluoromethane	NC	NC	NC	ND (0.00040)	ND (0.00036)	ND (0.00039)	ND (0.00036)
Vinyl Chloride	0.02	NC	0.02	ND (0.00019)	ND (0.00018)	ND (0.00019)	ND (0.00018)
Xylene (Total)	1.6	NC	0.26	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00017)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayonne FD-17	Bayonne FD-18	Bayonne FD-19	Bayonne FD-20
SAMPLE ID:							
LAB ID:				JB33052-17A	JB33052-18A	JB33052-19A	JB33052-20A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00013)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00016)	ND (0.00016)	ND (0.00017)	ND (0.00017)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00051)	ND (0.00051)	ND (0.00057)	ND (0.00054)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00023)	ND (0.00022)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00016)	ND (0.00016)	ND (0.00018)	ND (0.00017)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00031)	ND (0.00031)	ND (0.00034)	ND (0.00032)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00020)	ND (0.00022)	ND (0.00021)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00018)	ND (0.00017)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00011)
1,2-Dibromoethane	NC	NC	NC	ND (0.00015)	ND (0.00015)	ND (0.00017)	ND (0.00016)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00022)	ND (0.00023)	ND (0.00025)	ND (0.00024)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00016)	ND (0.00016)	ND (0.00018)	ND (0.00017)
1,2-Dichloropropane	NC	NC	NC	ND (0.00018)	ND (0.00018)	ND (0.00020)	ND (0.00019)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00022)	ND (0.00022)	ND (0.00025)	ND (0.00024)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00021)	ND (0.00021)	ND (0.00023)	ND (0.00022)
1,4-Dioxane	0.1	NC	0.1	ND (0.071)	ND (0.071)	ND (0.078)	ND (0.075)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0028)	ND (0.0029)	ND (0.0031)	ND (0.0030)
2-Hexanone	NC	NC	NC	ND (0.00074)	ND (0.00074)	ND (0.00082)	ND (0.00078)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00089)	ND (0.00090)	ND (0.00099)	ND (0.00094)
Acetone	0.05	NC	0.05	ND (0.00020)	ND (0.00020)	ND (0.00022)	ND (0.00021)
Benzene	0.06	NC	0.06	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00015)
Bromochloromethane	NC	NC	NC	ND (0.00031)	ND (0.00032)	ND (0.00035)	ND (0.00033)
Bromodichloromethane	NC	NC	NC	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
Bromofrom	NC	NC	NC	ND (0.00018)	ND (0.00018)	ND (0.00020)	ND (0.00019)
Bromomethane	NC	NC	NC	ND (0.00032)	ND (0.00033)	ND (0.00036)	ND (0.00034)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00014)	ND (0.00014)	ND (0.00015)	ND (0.00015)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00016)	ND (0.00016)	ND (0.00017)	ND (0.00017)
Chlorobenzene	1.1	NC	1.1	ND (0.00013)	ND (0.00013)	ND (0.00014)	ND (0.00014)
Chloroethane	NC	NC	NC	ND (0.00027)	ND (0.00027)	ND (0.00030)	ND (0.00029)
Chloroform	0.37	NC	0.37	ND (0.000098)	ND (0.000099)	ND (0.00011)	ND (0.00010)
Chloromethane	NC	NC	NC	ND (0.00022)	ND (0.00022)	ND (0.00024)	ND (0.00023)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00022)	ND (0.00022)	ND (0.00024)	ND (0.00023)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00018)	ND (0.00017)
Cyclohexane	NC	NC	NC	ND (0.00015)	ND (0.00015)	ND (0.00016)	ND (0.00016)
Dibromochloromethane	NC	NC	NC	ND (0.00019)	ND (0.00020)	ND (0.00022)	ND (0.00021)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00027)	ND (0.00027)	ND (0.00030)	ND (0.00029)
Ethylbenzene	1	NC	1	ND (0.00031)	ND (0.00031)	ND (0.00035)	ND (0.00033)
Isopropylbenzene	NC	1,000	NC	ND (0.000088)	ND (0.000089)	ND (0.000098)	ND (0.000093)
m&p-Xylene	NC ¹	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00023)	ND (0.00022)
Methyl acetate	NC	NC	NC	ND (0.00031)	ND (0.00031)	ND (0.00034)	ND (0.00033)
Methylcyclohexane	NC	NC	NC	ND (0.00020)	ND (0.00020)	ND (0.00022)	ND (0.00021)
Methylene chloride	0.05	NC	0.05	0.0024	0.0042	0.0049	0.0047
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00028)	ND (0.00028)	ND (0.00031)	ND (0.00030)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00018)	ND (0.00017)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00012)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00020)	ND (0.00021)	ND (0.00023)	ND (0.00022)
Toluene	0.7	NC	0.7	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00028)	ND (0.00028)	ND (0.00031)	ND (0.00030)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00018)	ND (0.00019)	ND (0.00020)	ND (0.00019)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00021)	ND (0.00021)	ND (0.00023)	ND (0.00022)
Trichlorofluoromethane	NC	NC	NC	ND (0.00035)	ND (0.00036)	ND (0.00039)	ND (0.00037)
Vinyl Chloride	0.02	NC	0.02	ND (0.00017)	ND (0.00017)	ND (0.00019)	ND (0.00018)
Xylene (Total)	1.6	NC	0.26	ND (0.00017)	ND (0.00017)	ND (0.00018)	ND (0.00017)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayonne FD-21	Bayonne FD-22	Bayonne FD-DUP1	Bayonne FD-DUP2
SAMPLE ID:							
LAB ID:				JB33052-21A	JB33052-22A	JB33052-23A	JB33052-24A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00013)	ND (0.00014)	ND (0.00019)	ND (0.00013)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00024)	ND (0.00017)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00055)	ND (0.00055)	ND (0.00078)	ND (0.00054)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00022)	ND (0.00022)	ND (0.00032)	ND (0.00022)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00017)	ND (0.00018)	ND (0.00025)	ND (0.00017)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00033)	ND (0.00033)	ND (0.00047)	ND (0.00032)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00030)	ND (0.00021)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00018)	ND (0.00018)	ND (0.00025)	ND (0.00017)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00011)	ND (0.00011)	ND (0.00016)	ND (0.00011)
1,2-Dibromoethane	NC	NC	NC	ND (0.00016)	ND (0.00016)	ND (0.00023)	ND (0.00016)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00024)	ND (0.00024)	ND (0.00034)	ND (0.00024)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00017)	ND (0.00017)	ND (0.00024)	ND (0.00017)
1,2-Dichloropropane	NC	NC	NC	ND (0.00020)	ND (0.00020)	ND (0.00028)	ND (0.00019)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00024)	ND (0.00024)	ND (0.00034)	ND (0.00023)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00022)	ND (0.00023)	ND (0.00032)	ND (0.00022)
1,4-Dioxane	0.1	NC	0.1	ND (0.076)	ND (0.076)	ND (0.11)	ND (0.075)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.00030)	ND (0.00031)	ND (0.00043)	ND (0.00030)
2-Hexanone	NC	NC	NC	ND (0.00079)	ND (0.00080)	ND (0.0011)	ND (0.00078)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00095)	ND (0.00097)	ND (0.0014)	ND (0.00094)
Acetone	0.05	NC	0.05	ND (0.00021)	ND (0.00022)	0.0037	J ND (0.00021)
Benzene	0.06	NC	0.06	ND (0.00015)	ND (0.00015)	ND (0.00022)	ND (0.00015)
Bromochloromethane	NC	NC	NC	ND (0.00034)	ND (0.00034)	ND (0.00048)	ND (0.00033)
Bromodichloromethane	NC	NC	NC	ND (0.00013)	ND (0.00013)	ND (0.00019)	ND (0.00013)
Bromofrom	NC	NC	NC	ND (0.00019)	ND (0.00019)	ND (0.00027)	ND (0.00019)
Bromomethane	NC	NC	NC	ND (0.00035)	ND (0.00035)	ND (0.00049)	ND (0.00034)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00015)	ND (0.00015)	ND (0.00021)	ND (0.00015)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00017)	ND (0.00017)	ND (0.00024)	ND (0.00017)
Chlorobenzene	1.1	NC	1.1	ND (0.00014)	ND (0.00014)	ND (0.00020)	ND (0.00014)
Chloroethane	NC	NC	NC	ND (0.00029)	ND (0.00029)	ND (0.00041)	ND (0.00028)
Chloroform	0.37	NC	0.37	ND (0.00010)	ND (0.00011)	ND (0.00015)	ND (0.00010)
Chloromethane	NC	NC	NC	ND (0.00024)	ND (0.00024)	ND (0.00034)	ND (0.00023)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00023)	ND (0.00024)	ND (0.00033)	ND (0.00023)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00018)	ND (0.00018)	ND (0.00025)	ND (0.00017)
Cyclohexane	NC	NC	NC	ND (0.00016)	ND (0.00016)	ND (0.00022)	ND (0.00016)
Dibromochloromethane	NC	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00030)	ND (0.00021)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00029)	ND (0.00029)	ND (0.00041)	ND (0.00029)
Ethylbenzene	1	NC	1	ND (0.00033)	ND (0.00034)	ND (0.00048)	ND (0.00033)
Isopropylbenzene	NC	1,000	NC	ND (0.00094)	ND (0.00095)	ND (0.0013)	ND (0.00093)
m&p-Xylene	NC ¹	NC	NC	ND (0.00022)	ND (0.00022)	ND (0.00032)	ND (0.00022)
Methyl acetate	NC	NC	NC	ND (0.00033)	ND (0.00033)	ND (0.00047)	ND (0.00033)
Methylcyclohexane	NC	NC	NC	ND (0.00021)	ND (0.00022)	ND (0.00031)	ND (0.00021)
Methylene chloride	0.05	NC	0.05	0.0042	J ND (0.0016)	0.0058	J 0.0016
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00030)	ND (0.00030)	ND (0.00043)	ND (0.00029)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00018)	ND (0.00018)	ND (0.00025)	ND (0.00017)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00012)	ND (0.00012)	ND (0.00017)	ND (0.00012)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00022)	ND (0.00022)	ND (0.00031)	ND (0.00022)
Toluene	0.7	NC	0.7	ND (0.00013)	ND (0.00013)	ND (0.00019)	ND (0.00013)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00030)	ND (0.00031)	ND (0.00043)	ND (0.00030)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00020)	ND (0.00020)	ND (0.00028)	ND (0.00019)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00022)	ND (0.00022)	ND (0.00032)	ND (0.00022)
Trichlorofluoromethane	NC	NC	NC	ND (0.00038)	ND (0.00038)	ND (0.00054)	ND (0.00037)
Vinyl Chloride	0.02	NC	0.02	ND (0.00018)	ND (0.00018)	ND (0.00026)	ND (0.00018)
Xylene (Total)	1.6	NC	0.26	ND (0.00018)	ND (0.00018)	ND (0.00025)	ND (0.00017)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is exceeded is shown unless otherwise noted.

^(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Weldon Fanwood Screening	Weldon Fanwood Select Fill	Allocco	Tilcon New York, Inc
SAMPLE ID:				JB15010-1A	JB15010-2A	1012806-01	07616-001
LAB ID:				8/29/12	8/29/12	1/24/11	8/3/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
UNITS:				Result	Result	Result	Result
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	<0.0062	<0.0054	<0.005	<0.00099
1,1,2,2-Tetrachloroethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	<0.0062	<0.0054	NA	<0.00495
1,1,2-Trichloroethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
1,1-Dichloroethane	0.27	NC	0.27	<0.0062	<0.0054	<0.005	<0.00099
1,1-Dichloroethene	0.33	NC	0.33	<0.0062	<0.0054	<0.005	<0.00099
1,2,3-Trichlorobenzene	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
1,2,4-Trichlorobenzene	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	<0.005	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	<0.012	<0.011	NA	<0.00099
1,2-Dibromoethane	NC	NC	NC	<0.0012	<0.0011	NA	<0.00099
1,2-Dichlorobenzene	1.1	NC	1.1	<0.0062	<0.0054	<0.005	<0.00099
1,2-Dichloroethane	0.02	NC	0.02	<0.0012	<0.0011	<0.005	<0.00099
1,2-Dichloropropane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
1,3-Dichlorobenzene	2.4	NC	2.4	<0.0062	<0.0054	<0.005	<0.00099
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	<0.005	NA
1,4-Dichlorobenzene	1.8	NC	1.8	<0.0062	<0.0054	<0.005	<0.00099
1,4-Dioxane	0.1	NC	0.1	<0.15	<0.13	<0.005	<0.198
2-Butanone (MEK)	0.12	1,000	NC	<0.012	<0.011	<0.005	<0.00198
2-Hexanone	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
4-Methyl-2-pentanone	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Acetone	0.05	NC	0.05	<0.012	<0.011	<0.050	0.011
Benzene	0.06	NC	0.06	<0.0012	<0.0011	<0.005	<0.00099
Bromochloromethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Bromodichloromethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Bromoform	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Bromomethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	<0.0062	<0.0054	NA	<0.00099
Carbon Tetrachloride	0.76	NC	0.76	<0.0062	<0.0054	<0.005	<0.00099
Chlorobenzene	1.1	NC	1.1	<0.0062	<0.0054	<0.005	<0.00099
Chloroethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Chloroform	0.37	NC	0.37	<0.0062	<0.0054	<0.005	<0.00198
Chloromethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
cis-1,2-Dichloroethene	0.25	NC	0.25	<0.0062	<0.0054	<0.005	<0.00099
cis-1,3-Dichloropropene	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Cyclohexane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00495
Dibromochloromethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Dichlorodifluoromethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Ethylbenzene	1	NC	1	<0.0012	<0.0011	<0.005	<0.00099
Isopropylbenzene	NC	1,000	NC	<0.0062	<0.0054	NA	<0.00099
m&p-Xylene	NC ⁽¹⁾	NC	NC	<0.0012	<0.0011	<0.010	NA
Methyl acetate	NC	NC	NC	<0.0062	<0.0054	NA	<0.00198
Methylcyclohexane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Methylene chloride	0.05	NC	0.05	<0.0062	<0.0054	<0.005	<0.00198
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	<0.0012	<0.0011	<0.005	<0.00099
n-Propylbenzene	3.9	NC	3.9	NA	NA	<0.005	NA
o-Xylene	NC ⁽¹⁾	NC	NC	<0.0012	<0.0011	<0.005	NA
sec-Butylbenzene	11	NC	11	NA	NA	<0.005	NA
Styrene	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	<0.005	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	<0.0062	<0.0054	<0.005	<0.00099
Toluene	0.7	NC	0.7	<0.0012	<0.0011	<0.005	<0.00099
trans-1,2-Dichloroethene	0.19	NC	0.19	<0.0062	<0.0054	<0.005	<0.00099
trans-1,3-Dichloropropene	NC	NC	NC	<0.0062	<0.0054	NA	NA
Trichloroethene (TCE)	0.47	NC	0.47	<0.0062	<0.0054	<0.005	<0.00099
Trichlorofluoromethane	NC	NC	NC	<0.0062	<0.0054	NA	<0.00099
Vinyl Chloride	0.02	NC	0.02	<0.0062	<0.0054	<0.005	<0.00099
Xylene (Total)	1.6	NC	0.26	<0.0012	<0.0011	NA	<0.00198

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Amboy Aggregates Sand	Amboy Aggregates Sand 1	Amboy Aggregates Sand 2	Bayshore Screening Pile - Soil 1
SAMPLE ID:				E11-12558-001	JB19430-1A	JB19430-2A	JB19431-1A
LAB ID:				E11-12558-001	JB19430-1A	JB19430-2A	JB19431-1A
COLLECTION DATE:				12/16/11	10/16/12	10/16/12	10/16/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	<0.001	<0.006	<0.0057	ND (0.00094)
1,1,2,2-Tetrachloroethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00012)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	<0.001	<0.006	<0.0057	ND (0.00038)
1,1,2-Trichloroethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00016)
1,1-Dichloroethane	0.27	NC	0.27	<0.001	<0.006	<0.0057	ND (0.00012)
1,1-Dichloroethene	0.33	NC	0.33	<0.001	<0.006	<0.0057	ND (0.00023)
1,2,3-Trichlorobenzene	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00015)
1,2,4-Trichlorobenzene	NC	NC	NC	<0.002	<0.006	<0.0057	ND (0.00012)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	<0.001	<0.012	<0.011	ND (0.00079)
1,2-Dibromoethane	NC	NC	NC	<0.001	<0.0012	<0.0011	ND (0.00011)
1,2-Dichlorobenzene	1.1	NC	1.1	<0.001	<0.006	<0.0057	ND (0.00017)
1,2-Dichloroethane	0.02	NC	0.02	<0.001	<0.0012	<0.0011	ND (0.00012)
1,2-Dichloropropane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00014)
1,3-Dichlorobenzene	2.4	NC	2.4	<0.001	<0.006	<0.0057	ND (0.00017)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	<0.001	<0.006	<0.0057	ND (0.00016)
1,4-Dioxane	0.1	NC	0.1	<0.200	<0.15	<0.14	ND (0.0053)
2-Butanone (MEK)	0.12	1,000	NC	<0.005	<0.012	<0.011	ND (0.00021)
2-Hexanone	NC	NC	NC	<0.002	<0.006	<0.0057	ND (0.00055)
4-Methyl-2-pentanone	NC	NC	NC	<0.002	<0.006	<0.0057	ND (0.00067)
Acetone	0.05	NC	0.05	<0.005	<0.012	<0.011	ND (0.00015)
Benzene	0.06	NC	0.06	<0.001	<0.0012	<0.0011	ND (0.00011)
Bromochloromethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00024)
Bromodichloromethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00094)
Bromoform	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00013)
Bromomethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00024)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	<0.001	<0.006	<0.0057	ND (0.00010)
Carbon Tetrachloride	0.76	NC	0.76	<0.001	<0.006	<0.0057	ND (0.00012)
Chlorobenzene	1.1	NC	1.1	<0.001	<0.006	<0.0057	ND (0.00096)
Chloroethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00020)
Chloroform	0.37	NC	0.37	<0.002	<0.006	<0.0057	ND (0.00074)
Chloromethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00017)
cis-1,2-Dichloroethene	0.25	NC	0.25	<0.001	<0.006	<0.0057	ND (0.00016)
cis-1,3-Dichloropropene	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00012)
Cyclohexane	NC	NC	NC	<0.002	<0.006	<0.0057	ND (0.00011)
Dibromochloromethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00015)
Dichlorodifluoromethane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00020)
Ethylbenzene	1	NC	1	<0.001	<0.0012	<0.0011	ND (0.00023)
Isopropylbenzene	NC	1,000	NC	<0.001	<0.006	<0.0057	ND (0.00066)
m&p-Xylene	NC ⁽¹⁾	NC	NC	NA	<0.0012	<0.0011	ND (0.00016)
Methyl acetate	NC	NC	NC	<0.002	<0.006	<0.0057	ND (0.00023)
Methylcyclohexane	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00015)
Methylene chloride	0.05	NC	0.05	<0.002	0.0043	<0.0057	ND (0.0011)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	<0.002	<0.006	<0.0057	ND (0.00021)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	NA	<0.0012	<0.0011	ND (0.00012)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00082)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	<0.001	<0.006	<0.0057	ND (0.00015)
Toluene	0.7	NC	0.7	<0.001	<0.0012	<0.0011	ND (0.00094)
trans-1,2-Dichloroethene	0.19	NC	0.19	<0.001	<0.006	<0.0057	ND (0.00021)
trans-1,3-Dichloropropene	NC	NC	NC	<0.001	<0.006	<0.0057	ND (0.00014)
Trichloroethene (TCE)	0.47	NC	0.47	<0.001	<0.006	<0.0057	ND (0.00016)
Trichlorofluoromethane	NC	NC	NC	<0.002	<0.006	<0.0057	ND (0.00027)
Vinyl Chloride	0.02	NC	0.02	<0.001	<0.006	<0.0057	ND (0.00013)
Xylene (Total)	1.6	NC	0.26	<0.002	<0.0012	<0.0011	ND (0.00012)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayshore Screening Pile - Soil 2	Bayshore Screening Pile - Soil 3	Bayshore Screening Pile - Soil 4	Bayshore Screening Pile - Soil 5
SAMPLE ID:				JB19431-2A	JB19431-3A	JB19431-4A	JB19431-5A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
UNITS:				Result	Result	Result	Result
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00012)	ND (0.00019)	ND (0.00011)	ND (0.00012)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00015)	ND (0.00024)	ND (0.00013)	ND (0.00015)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00048)	ND (0.00079)	ND (0.00043)	ND (0.00050)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00019)	ND (0.00032)	ND (0.00018)	ND (0.00020)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00015)	ND (0.00025)	ND (0.00014)	ND (0.00016)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00028)	ND (0.00047)	ND (0.00026)	ND (0.00030)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00018)	ND (0.00030)	ND (0.00017)	ND (0.00019)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00025)	ND (0.00014)	ND (0.00016)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00099)	ND (0.0016)	ND (0.00090)	ND (0.0010)
1,2-Dibromoethane	NC	NC	NC	ND (0.00014)	ND (0.00023)	ND (0.00013)	ND (0.00015)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00021)	ND (0.00035)	ND (0.00019)	ND (0.00022)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00025)	ND (0.00014)	ND (0.00016)
1,2-Dichloropropane	NC	NC	NC	ND (0.00017)	ND (0.00028)	ND (0.00015)	ND (0.00018)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00021)	ND (0.00034)	ND (0.00019)	ND (0.00022)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00020)	ND (0.00032)	ND (0.00018)	ND (0.00021)
1,4-Dioxane	0.1	NC	0.1	ND (0.0066)	ND (0.11)	ND (0.0060)	ND (0.0070)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0026)	ND (0.0044)	ND (0.0024)	ND (0.0028)
2-Hexanone	NC	NC	NC	ND (0.00069)	ND (0.0011)	ND (0.00063)	ND (0.00073)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00083)	ND (0.0014)	ND (0.00076)	ND (0.00088)
Acetone	0.05	NC	0.05	ND (0.0019)	ND (0.0031)	ND (0.0017)	ND (0.0020)
Benzene	0.06	NC	0.06	ND (0.00013)	ND (0.00022)	ND (0.00012)	ND (0.00014)
Bromochloromethane	NC	NC	NC	ND (0.00029)	ND (0.00049)	ND (0.00027)	ND (0.00031)
Bromodichloromethane	NC	NC	NC	ND (0.00012)	ND (0.00019)	ND (0.00011)	ND (0.00012)
Bromoform	NC	NC	NC	ND (0.00017)	ND (0.00028)	ND (0.00015)	ND (0.00018)
Bromomethane	NC	NC	NC	ND (0.00030)	ND (0.00050)	ND (0.00027)	ND (0.00032)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00021)	ND (0.00012)	ND (0.00014)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00015)	ND (0.00024)	ND (0.00013)	ND (0.00016)
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00020)	ND (0.00011)	ND (0.00013)
Chloroethane	NC	NC	NC	ND (0.00025)	ND (0.00042)	ND (0.00023)	ND (0.00027)
Chloroform	0.37	NC	0.37	ND (0.000092)	ND (0.00015)	ND (0.000083)	ND (0.000097)
Chloromethane	NC	NC	NC	ND (0.00021)	ND (0.00034)	ND (0.00019)	ND (0.00022)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00020)	ND (0.00034)	ND (0.00018)	ND (0.00021)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00015)	ND (0.00025)	ND (0.00014)	ND (0.00016)
Cyclohexane	NC	NC	NC	ND (0.00014)	ND (0.00023)	ND (0.00012)	ND (0.00014)
Dibromochloromethane	NC	NC	NC	ND (0.00018)	ND (0.00030)	ND (0.00017)	ND (0.00019)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00025)	ND (0.00042)	ND (0.00023)	ND (0.00027)
Ethylbenzene	1	NC	1	ND (0.00029)	ND (0.00048)	ND (0.00026)	ND (0.00031)
Isopropylbenzene	NC	1,000	NC	ND (0.00082)	ND (0.00014)	ND (0.000075)	ND (0.000087)
m&p-Xylene	NC ¹	NC	NC	ND (0.00019)	ND (0.00032)	ND (0.00018)	ND (0.00020)
Methyl acetate	NC	NC	NC	ND (0.0029)	ND (0.0048)	ND (0.0026)	ND (0.0030)
Methylcyclohexane	NC	NC	NC	ND (0.00019)	ND (0.00031)	ND (0.00017)	ND (0.00020)
Methylene chloride	0.05	NC	0.05	ND (0.0014)	ND (0.0023)	ND (0.0011)	ND (0.0015)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00026)	ND (0.00043)	ND (0.00024)	ND (0.00027)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00015)	ND (0.00025)	ND (0.00014)	ND (0.00016)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00010)	ND (0.00017)	ND (0.000092)	ND (0.00011)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00019)	ND (0.00032)	ND (0.00017)	ND (0.00020)
Toluene	0.7	NC	0.7	ND (0.00012)	ND (0.00019)	ND (0.00011)	ND (0.00012)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00026)	ND (0.00044)	ND (0.00024)	ND (0.00028)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00017)	ND (0.00028)	ND (0.00016)	ND (0.00018)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00019)	ND (0.00032)	ND (0.00018)	ND (0.00020)
Trichlorofluoromethane	NC	NC	NC	ND (0.00033)	ND (0.00055)	ND (0.00030)	ND (0.00035)
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00026)	ND (0.00014)	ND (0.00017)
Xylene (Total)	1.6	NC	0.26	ND (0.00015)	ND (0.00025)	ND (0.00014)	ND (0.00016)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayshore Screening Pile - Soil 6	Bayshore Screening Pile - Soil 7	Bayshore Screening Pile - Soil 8	Bayshore Screening Pile - Soil 9
SAMPLE ID:				JB19431-6A	JB19431-7A	JB19431-8A	JB19431-9A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
UNITS:				Result	Result	Result	Result
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00012)	ND (0.00011)	ND (0.00012)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00014)	ND (0.00015)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00043)	ND (0.00050)	ND (0.00046)	ND (0.00047)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00017)	ND (0.00020)	ND (0.00019)	ND (0.00019)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00015)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00026)	ND (0.00030)	ND (0.00028)	ND (0.00028)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00016)	ND (0.00019)	ND (0.00018)	ND (0.00018)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00015)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00089)	ND (0.0010)	ND (0.00096)	ND (0.00098)
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00014)	ND (0.00014)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00019)	ND (0.00022)	ND (0.00020)	ND (0.00021)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00013)	ND (0.00016)	ND (0.00015)	ND (0.00015)
1,2-Dichloropropane	NC	NC	NC	ND (0.00015)	ND (0.00018)	ND (0.00017)	ND (0.00017)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00019)	ND (0.00022)	ND (0.00020)	ND (0.00021)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00020)	ND (0.00019)	ND (0.00019)
1,4-Dioxane	0.1	NC	0.1	ND (0.0059)	ND (0.0069)	ND (0.0064)	ND (0.0066)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0024)	ND (0.0028)	ND (0.0026)	ND (0.0026)
2-Hexanone	NC	NC	NC	ND (0.00062)	ND (0.00072)	ND (0.00067)	ND (0.00069)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00075)	ND (0.00087)	ND (0.00081)	ND (0.00083)
Acetone	0.05	NC	0.05	ND (0.0017)	ND (0.0020)	ND (0.0018)	ND (0.0019)
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00014)	ND (0.00013)	ND (0.00013)
Bromochloromethane	NC	NC	NC	ND (0.00026)	ND (0.00031)	ND (0.00029)	ND (0.00029)
Bromodichloromethane	NC	NC	NC	ND (0.00010)	ND (0.00012)	ND (0.00011)	ND (0.00012)
Bromoform	NC	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00016)	ND (0.00017)
Bromomethane	NC	NC	NC	ND (0.00027)	ND (0.00032)	ND (0.00029)	ND (0.00030)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	ND (0.00014)	ND (0.00013)	ND (0.00013)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00013)	ND (0.00015)	ND (0.00014)	ND (0.00015)
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.00013)	ND (0.00012)	ND (0.00012)
Chloroethane	NC	NC	NC	ND (0.00023)	ND (0.00026)	ND (0.00024)	ND (0.00025)
Chloroform	0.37	NC	0.37	ND (0.00082)	ND (0.00096)	ND (0.00089)	ND (0.00091)
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00022)	ND (0.00020)	ND (0.00021)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00018)	ND (0.00021)	ND (0.00020)	ND (0.00020)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00015)
Cyclohexane	NC	NC	NC	ND (0.00012)	ND (0.00014)	ND (0.00013)	ND (0.00014)
Dibromochloromethane	NC	NC	NC	ND (0.00016)	ND (0.00019)	ND (0.00018)	ND (0.00018)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00023)	ND (0.00026)	ND (0.00025)	ND (0.00025)
Ethylbenzene	1	NC	1	ND (0.00026)	ND (0.00030)	ND (0.00028)	ND (0.00029)
Isopropylbenzene	NC	1,000	NC	ND (0.00074)	ND (0.00086)	ND (0.00080)	ND (0.00082)
m&p-Xylene	NC ¹	NC	NC	ND (0.00017)	ND (0.00020)	ND (0.00019)	ND (0.00019)
Methyl acetate	NC	NC	NC	ND (0.0026)	ND (0.0030)	ND (0.0028)	ND (0.0029)
Methylcyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00020)	ND (0.00018)	ND (0.00019)
Methylene chloride	0.05	NC	0.05	ND (0.0013)	ND (0.0015)	ND (0.0014)	ND (0.0014)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00023)	ND (0.00027)	ND (0.00025)	ND (0.00026)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00015)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00091)	ND (0.00011)	ND (0.00099)	ND (0.00010)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00017)	ND (0.00020)	ND (0.00019)	ND (0.00019)
Toluene	0.7	NC	0.7	ND (0.00010)	ND (0.00012)	ND (0.00011)	ND (0.00012)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00024)	ND (0.00028)	ND (0.00026)	ND (0.00026)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00015)	ND (0.00018)	ND (0.00017)	ND (0.00017)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00017)	ND (0.00020)	ND (0.00019)	ND (0.00019)
Trichlorofluoromethane	NC	NC	NC	ND (0.00030)	ND (0.00034)	ND (0.00032)	ND (0.00033)
Vinyl Chloride	0.02	NC	0.02	ND (0.00014)	ND (0.00017)	ND (0.00016)	ND (0.00016)
Xylene (Total)	1.6	NC	0.26	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00015)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayshore Screening Pile - Soil 10	Bayshore Screening Pile - Soil 11	Bayshore Screening Pile - Soil 12	Bayshore Screening Pile - Soil 13
SAMPLE ID:				JB19431-10A	JB19431-11A	JB19431-12A	JB19431-13A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/Kg	mg/Kg	mg/Kg	mg/Kg
UNITS:							
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00012)	ND (0.00013)	ND (0.00013)	ND (0.00012)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00016)	ND (0.00015)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00047)	ND (0.00054)	ND (0.00053)	ND (0.00049)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00019)	ND (0.00022)	ND (0.00022)	ND (0.00020)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00015)	ND (0.00017)	ND (0.00017)	ND (0.00016)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00028)	ND (0.00032)	ND (0.00032)	ND (0.00029)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00018)	ND (0.00020)	ND (0.00020)	ND (0.00019)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00017)	ND (0.00016)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00097)	ND (0.0011)	ND (0.0011)	ND (0.0010)
1,2-Dibromoethane	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00016)	ND (0.00014)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00021)	ND (0.00024)	ND (0.00023)	ND (0.00022)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00017)	ND (0.00017)	ND (0.00015)
1,2-Dichloropropane	NC	NC	NC	ND (0.00017)	ND (0.00019)	ND (0.00019)	ND (0.00018)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00020)	ND (0.00023)	ND (0.00023)	ND (0.00021)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00019)	ND (0.00022)	ND (0.00022)	ND (0.00020)
1,4-Dioxane	0.1	NC	0.1	ND (0.0065)	ND (0.0074)	ND (0.0074)	ND (0.0068)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.00026)	ND (0.00030)	ND (0.00030)	ND (0.00027)
2-Hexanone	NC	NC	NC	ND (0.00068)	ND (0.00078)	ND (0.00077)	ND (0.00071)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00082)	ND (0.00094)	ND (0.00093)	ND (0.00085)
Acetone	0.05	NC	0.05	ND (0.0018)	ND (0.0021)	ND (0.0021)	ND (0.0019)
Benzene	0.06	NC	0.06	ND (0.00013)	ND (0.00015)	ND (0.00015)	ND (0.00014)
Bromochloromethane	NC	NC	NC	ND (0.00029)	ND (0.00033)	ND (0.00033)	ND (0.00030)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00013)	ND (0.00013)	ND (0.00012)
Bromoform	NC	NC	NC	ND (0.00016)	ND (0.00019)	ND (0.00019)	ND (0.00017)
Bromomethane	NC	NC	NC	ND (0.00030)	ND (0.00034)	ND (0.00034)	ND (0.00031)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00015)	ND (0.00015)	ND (0.00013)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00017)	ND (0.00017)	ND (0.00015)
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00013)	ND (0.00013)	ND (0.00012)
Chloroethane	NC	NC	NC	ND (0.00025)	ND (0.00028)	ND (0.00028)	ND (0.00026)
Chloroform	0.37	NC	0.37	ND (0.000090)	ND (0.00010)	ND (0.00010)	ND (0.000094)
Chloromethane	NC	NC	NC	ND (0.00020)	ND (0.00023)	ND (0.00023)	ND (0.00021)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00020)	ND (0.00023)	ND (0.00023)	ND (0.00021)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00017)	ND (0.00016)
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00015)	ND (0.00014)
Dibromochloromethane	NC	NC	NC	ND (0.00018)	ND (0.00020)	ND (0.00020)	ND (0.00019)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00025)	ND (0.00028)	ND (0.00028)	ND (0.00026)
Ethylbenzene	1	NC	1	ND (0.00029)	ND (0.00033)	ND (0.00033)	ND (0.00030)
Isopropylbenzene	NC	1,000	NC	ND (0.000081)	ND (0.000093)	ND (0.000092)	ND (0.000085)
m&p-Xylene	NC ¹	NC	NC	ND (0.00019)	ND (0.00022)	ND (0.00022)	ND (0.00020)
Methyl acetate	NC	NC	NC	ND (0.00028)	ND (0.00032)	ND (0.00032)	ND (0.00030)
Methylcyclohexane	NC	NC	NC	ND (0.00018)	ND (0.00021)	ND (0.00021)	ND (0.00019)
Methylene chloride	0.05	NC	0.05	ND (0.0014)	ND (0.0016)	ND (0.0016)	ND (0.0014)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00026)	ND (0.00029)	ND (0.00029)	ND (0.00027)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00017)	ND (0.00016)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00010)	ND (0.00011)	ND (0.00011)	ND (0.00010)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00019)	ND (0.00021)	ND (0.00021)	ND (0.00020)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00013)	ND (0.00013)	ND (0.00012)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00026)	ND (0.00030)	ND (0.00030)	ND (0.00027)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00017)	ND (0.00019)	ND (0.00019)	ND (0.00018)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00019)	ND (0.00022)	ND (0.00022)	ND (0.00020)
Trichlorofluoromethane	NC	NC	NC	ND (0.00032)	ND (0.00037)	ND (0.00037)	ND (0.00034)
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00018)	ND (0.00018)	ND (0.00016)
Xylene (Total)	1.6	NC	0.26	ND (0.00015)	ND (0.00017)	ND (0.00017)	ND (0.00016)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayshore Screening Pile - Soil 14	Bayshore Screening Pile - Soil 15	Former Raritan Arsenal Fill - Soil 1	Former Raritan Arsenal Fill - Soil 2
SAMPLE ID:				JB19431-14A	JB19431-15A	JB19112-1A	JB19112-2A
LAB ID:				10/16/12	10/16/12	10/12/12	10/12/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/Kg	mg/Kg	mg/kg	mg/kg
UNITS:							
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00014)	ND (0.00011)	ND (0.00011)	ND (0.00014)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00018)	ND (0.00013)	ND (0.00013)	ND (0.00018)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00058)	ND (0.00043)	ND (0.00043)	ND (0.00059)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00023)	ND (0.00018)	ND (0.00017)	ND (0.00024)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00018)	ND (0.00014)	ND (0.00014)	ND (0.00019)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00034)	ND (0.00026)	ND (0.00026)	ND (0.00035)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00022)	ND (0.00017)	ND (0.00016)	ND (0.00022)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00014)	ND (0.00014)	ND (0.00019)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0012)	ND (0.00090)	ND (0.00089)	ND (0.0012)
1,2-Dibromoethane	NC	NC	NC	ND (0.00017)	ND (0.00013)	ND (0.00013)	ND (0.00017)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00025)	ND (0.00019)	ND (0.00019)	ND (0.00026)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00018)	ND (0.00014)	ND (0.00013)	ND (0.00018)
1,2-Dichloropropane	NC	NC	NC	ND (0.00021)	ND (0.00016)	ND (0.00015)	ND (0.00021)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00025)	ND (0.00019)	ND (0.00019)	ND (0.00025)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00024)	ND (0.00018)	ND (0.00018)	ND (0.00024)
1,4-Dioxane	0.1	NC	0.1	ND (0.080)	ND (0.060)	ND (0.059)	ND (0.081)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0032)	ND (0.0024)	ND (0.0024)	ND (0.0033)
2-Hexanone	NC	NC	NC	ND (0.00083)	ND (0.00063)	ND (0.00062)	ND (0.00085)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.0010)	ND (0.00076)	ND (0.00075)	ND (0.0010)
Acetone	0.05	NC	0.05	ND (0.0023)	ND (0.0017)	ND (0.0017)	ND (0.0023)
Benzene	0.06	NC	0.06	ND (0.00016)	ND (0.00012)	ND (0.00012)	ND (0.00016)
Bromochloromethane	NC	NC	NC	ND (0.00036)	ND (0.00027)	ND (0.00026)	ND (0.00036)
Bromodichloromethane	NC	NC	NC	ND (0.00014)	ND (0.00011)	ND (0.00010)	ND (0.00014)
Bromoform	NC	NC	NC	ND (0.00020)	ND (0.00015)	ND (0.00015)	ND (0.00021)
Bromomethane	NC	NC	NC	ND (0.00037)	ND (0.00028)	ND (0.00027)	ND (0.00037)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00016)	ND (0.00012)	ND (0.00012)	ND (0.00016)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00018)	ND (0.00013)	ND (0.00013)	ND (0.00018)
Chlorobenzene	1.1	NC	1.1	ND (0.00014)	ND (0.00011)	ND (0.00011)	ND (0.00015)
Chloroethane	NC	NC	NC	ND (0.00030)	ND (0.00023)	ND (0.00023)	ND (0.00031)
Chloroform	0.37	NC	0.37	ND (0.00011)	ND (0.000083)	ND (0.000082)	ND (0.00011)
Chloromethane	NC	NC	NC	ND (0.00025)	ND (0.00019)	ND (0.00019)	ND (0.00025)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00025)	ND (0.00018)	ND (0.00018)	ND (0.00025)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00019)	ND (0.00014)	ND (0.00014)	ND (0.00019)
Cyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00012)	ND (0.00012)	ND (0.00017)
Dibromochloromethane	NC	NC	NC	ND (0.00022)	ND (0.00017)	ND (0.00016)	ND (0.00022)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00031)	ND (0.00023)	ND (0.00023)	ND (0.00031)
Ethylbenzene	1	NC	1	ND (0.00035)	ND (0.00027)	ND (0.00026)	ND (0.00036)
Isopropylbenzene	NC	1,000	NC	ND (0.00010)	ND (0.000075)	ND (0.000074)	ND (0.00010)
m&p-Xylene	NC ¹	NC	NC	ND (0.00023)	ND (0.00018)	ND (0.00017)	ND (0.00024)
Methyl acetate	NC	NC	NC	ND (0.0035)	ND (0.0026)	ND (0.0026)	ND (0.0035)
Methylcyclohexane	NC	NC	NC	ND (0.00023)	ND (0.00017)	ND (0.00017)	ND (0.00023)
Methylene chloride	0.05	NC	0.05	ND (0.0017)	ND (0.0013)	0.0052	0.0066 J
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00032)	ND (0.00024)	ND (0.00023)	ND (0.00032)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00019)	ND (0.00014)	ND (0.00014)	ND (0.00019)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00012)	ND (0.000092)	ND (0.000091)	ND (0.00012)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00023)	ND (0.00017)	ND (0.00017)	ND (0.00023)
Toluene	0.7	NC	0.7	ND (0.00014)	ND (0.00011)	ND (0.00010)	ND (0.00014)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00032)	ND (0.00024)	ND (0.00024)	ND (0.00032)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00021)	ND (0.00016)	ND (0.00015)	ND (0.00021)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00023)	ND (0.00018)	ND (0.00017)	ND (0.00024)
Trichlorofluoromethane	NC	NC	NC	ND (0.00040)	ND (0.00030)	ND (0.00030)	ND (0.00041)
Vinyl Chloride	0.02	NC	0.02	ND (0.00019)	ND (0.00015)	ND (0.00014)	ND (0.00020)
Xylene (Total)	1.6	NC	0.26	ND (0.00019)	ND (0.00014)	ND (0.00014)	ND (0.00019)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Former Raritan Arsenal Fill - Soil 3	Former Raritan Arsenal Fill - Soil 4	Former Raritan Arsenal Fill - Soil 5	Former Raritan Arsenal Fill - Soil 6
SAMPLE ID:				JB19112-3A	JB19112-4A	JB19112-5A	JB19112-6A
LAB ID:				10/12/3A	10/12/4A	10/12/5A	10/12/6A
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:							
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00020)	ND (0.00013)	ND (0.00012)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00025)	ND (0.00017)	ND (0.00015)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00044)	ND (0.00082)	ND (0.00054)	ND (0.00049)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00018)	ND (0.00033)	ND (0.00022)	ND (0.00020)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00026)	ND (0.00017)	ND (0.00015)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00026)	ND (0.00049)	ND (0.00032)	ND (0.00029)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00031)	ND (0.00021)	ND (0.00019)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00027)	ND (0.00017)	ND (0.00016)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00091)	ND (0.0017)	ND (0.0011)	ND (0.0010)
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00024)	ND (0.00016)	ND (0.00014)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00019)	ND (0.00036)	ND (0.00024)	ND (0.00021)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00014)	ND (0.00026)	ND (0.00017)	ND (0.00015)
1,2-Dichloropropane	NC	NC	NC	ND (0.00016)	ND (0.00030)	ND (0.00019)	ND (0.00017)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00019)	ND (0.00036)	ND (0.00023)	ND (0.00021)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00034)	ND (0.00022)	ND (0.00020)
1,4-Dioxane	0.1	NC	0.1	ND (0.061)	ND (0.11)	ND (0.075)	ND (0.067)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0024)	ND (0.0046)	ND (0.0030)	ND (0.0027)
2-Hexanone	NC	NC	NC	ND (0.00064)	ND (0.0012)	ND (0.00078)	ND (0.00070)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00077)	ND (0.0014)	ND (0.00094)	ND (0.00085)
Acetone	0.05	NC	0.05	ND (0.0017)	ND (0.0032)	ND (0.0021)	ND (0.0019)
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00023)	ND (0.00015)	ND (0.00013)
Bromochloromethane	NC	NC	NC	ND (0.00027)	ND (0.00051)	ND (0.00033)	ND (0.00030)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00020)	ND (0.00013)	ND (0.00012)
Bromoform	NC	NC	NC	ND (0.00015)	ND (0.00029)	ND (0.00019)	ND (0.00017)
Bromomethane	NC	NC	NC	ND (0.00028)	ND (0.00052)	ND (0.00034)	ND (0.00031)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	ND (0.00022)	ND (0.00015)	ND (0.00013)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00026)	ND (0.00017)	ND (0.00015)
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.00021)	ND (0.00014)	ND (0.00012)
Chloroethane	NC	NC	NC	ND (0.00023)	ND (0.00044)	ND (0.00028)	ND (0.00026)
Chloroform	0.37	NC	0.37	ND (0.00084)	ND (0.00016)	ND (0.00010)	ND (0.000093)
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00036)	ND (0.00023)	ND (0.00021)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00019)	ND (0.00035)	ND (0.00023)	ND (0.00021)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00027)	ND (0.00017)	ND (0.00016)
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00024)	ND (0.00016)	ND (0.00014)
Dibromochloromethane	NC	NC	NC	ND (0.00017)	ND (0.00031)	ND (0.00021)	ND (0.00019)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00023)	ND (0.00044)	ND (0.00029)	ND (0.00026)
Ethylbenzene	1	NC	1	ND (0.00027)	ND (0.00050)	ND (0.00033)	ND (0.00030)
Isopropylbenzene	NC	1,000	NC	ND (0.00076)	ND (0.00014)	ND (0.000093)	ND (0.000084)
m&p-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00018)	ND (0.00033)	ND (0.00022)	ND (0.00020)
Methyl acetate	NC	NC	NC	ND (0.0027)	ND (0.0050)	ND (0.0033)	ND (0.0029)
Methylcyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00032)	ND (0.00021)	ND (0.00019)
Methylene chloride	0.05	NC	0.05	0.0048	0.0079	0.0052	0.0043
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00024)	ND (0.00045)	ND (0.00029)	ND (0.00027)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00014)	ND (0.00027)	ND (0.00017)	ND (0.00016)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00094)	ND (0.00018)	ND (0.00012)	ND (0.00010)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00018)	ND (0.00033)	ND (0.00022)	ND (0.00019)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00020)	ND (0.00013)	ND (0.00012)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00024)	ND (0.00046)	ND (0.00030)	ND (0.00027)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00030)	ND (0.00019)	ND (0.00018)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00018)	ND (0.00033)	ND (0.00022)	ND (0.00020)
Trichlorofluoromethane	NC	NC	NC	ND (0.00030)	ND (0.00057)	ND (0.00037)	ND (0.00034)
Vinyl Chloride	0.02	NC	0.02	ND (0.00015)	ND (0.00028)	ND (0.00018)	ND (0.00016)
Xylene (Total)	1.6	NC	0.26	ND (0.00014)	ND (0.00027)	ND (0.00017)	ND (0.00016)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Former Raritan Arsenal Fill - Soil 7	Former Raritan Arsenal Fill - Soil 8	Former Raritan Arsenal Fill - Soil 9	Former Raritan Arsenal Fill - Soil 10
SAMPLE ID:				JB19112-7A	JB19112-8A	JB19112-9A	JB19112-10A
LAB ID:				10/12/12	10/12/12	10/12/12	10/12/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:							
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00013)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00013)	ND (0.00013)	ND (0.00015)	ND (0.00016)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00043)	ND (0.00043)	ND (0.00050)	ND (0.00053)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00017)	ND (0.00018)	ND (0.00020)	ND (0.00021)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00017)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00026)	ND (0.00026)	ND (0.00030)	ND (0.00031)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00016)	ND (0.00017)	ND (0.00019)	ND (0.00020)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00017)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00089)	ND (0.00090)	ND (0.0010)	ND (0.0011)
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00013)	ND (0.00015)	ND (0.00016)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00019)	ND (0.00019)	ND (0.00022)	ND (0.00023)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00017)
1,2-Dichloropropane	NC	NC	NC	ND (0.00015)	ND (0.00016)	ND (0.00018)	ND (0.00019)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00019)	ND (0.00019)	ND (0.00022)	ND (0.00023)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00018)	ND (0.00020)	ND (0.00022)
1,4-Dioxane	0.1	NC	0.1	ND (0.060)	ND (0.060)	ND (0.069)	ND (0.073)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0024)	ND (0.0024)	ND (0.0028)	ND (0.0029)
2-Hexanone	NC	NC	NC	ND (0.00062)	ND (0.00063)	ND (0.00072)	ND (0.00076)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00075)	ND (0.00076)	ND (0.00087)	ND (0.00092)
Acetone	0.05	NC	0.05	ND (0.0017)	ND (0.0017)	ND (0.0020)	ND (0.0021)
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00012)	ND (0.00014)	ND (0.00015)
Bromochloromethane	NC	NC	NC	ND (0.00027)	ND (0.00027)	ND (0.00031)	ND (0.00032)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00013)
Bromoform	NC	NC	NC	ND (0.00015)	ND (0.00015)	ND (0.00017)	ND (0.00018)
Bromomethane	NC	NC	NC	ND (0.00027)	ND (0.00028)	ND (0.00032)	ND (0.00033)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	0.00042 J	0.0016 J	ND (0.00014)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00013)	ND (0.00013)	ND (0.00015)	ND (0.00016)
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.00011)	ND (0.00013)	ND (0.00013)
Chloroethane	NC	NC	NC	ND (0.00023)	ND (0.00023)	ND (0.00026)	ND (0.00028)
Chloroform	0.37	NC	0.37	ND (0.00083)	ND (0.00083)	ND (0.00096)	ND (0.00010)
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00019)	ND (0.00022)	ND (0.00023)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00018)	ND (0.00018)	ND (0.00021)	ND (0.00022)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00017)
Cyclohexane	NC	NC	NC	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00015)
Dibromochloromethane	NC	NC	NC	ND (0.00016)	ND (0.00017)	ND (0.00019)	ND (0.00020)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00023)	ND (0.00023)	ND (0.00026)	ND (0.00028)
Ethylbenzene	1	NC	1	ND (0.00026)	ND (0.00027)	ND (0.00030)	ND (0.00032)
Isopropylbenzene	NC	1,000	NC	ND (0.00074)	ND (0.00075)	ND (0.00086)	ND (0.00091)
m&p-Xylene	NC ¹	NC	NC	ND (0.00017)	ND (0.00018)	ND (0.00020)	ND (0.00021)
Methyl acetate	NC	NC	NC	ND (0.0026)	ND (0.0026)	ND (0.0030)	ND (0.0032)
Methylcyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00020)	ND (0.00021)
Methylene chloride	0.05	NC	0.05	ND (0.0013)	0.004 J	0.0043 J	0.0052 J
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00024)	ND (0.00024)	ND (0.00027)	ND (0.00029)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00017)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00092)	ND (0.00093)	ND (0.00011)	ND (0.00011)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00017)	ND (0.00017)	ND (0.00020)	ND (0.00021)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00013)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00024)	ND (0.00024)	ND (0.00028)	ND (0.00029)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00016)	ND (0.00018)	ND (0.00019)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00017)	ND (0.00018)	ND (0.00020)	ND (0.00021)
Trichlorofluoromethane	NC	NC	NC	ND (0.00030)	ND (0.00030)	ND (0.00034)	ND (0.00036)
Vinyl Chloride	0.02	NC	0.02	ND (0.00014)	ND (0.00015)	ND (0.00017)	ND (0.00018)
Xylene (Total)	1.6	NC	0.26	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00017)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Former Raritan Arsenal Fill - Soil 11	Former Raritan Arsenal Fill - Soil 12	Former Raritan Arsenal Fill - Soil 13	Former Raritan Arsenal Fill - Soil 14
SAMPLE ID:				JB19112-11A	JB19112-12A	JB19112-13A	JB19112-14A
LAB ID:				10/12/12	10/12/12	10/12/12	10/12/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:							
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00012)	ND (0.00013)	ND (0.00011)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00017)	ND (0.00014)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00044)	ND (0.00051)	ND (0.00055)	ND (0.00044)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00018)	ND (0.00020)	ND (0.00022)	ND (0.00018)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00016)	ND (0.00017)	ND (0.00014)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00027)	ND (0.00030)	ND (0.00033)	ND (0.00027)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00019)	ND (0.00021)	ND (0.00017)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00018)	ND (0.00014)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00092)	ND (0.0010)	ND (0.0011)	ND (0.00092)
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00016)	ND (0.00013)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00020)	ND (0.00022)	ND (0.00024)	ND (0.00020)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00014)	ND (0.00016)	ND (0.00017)	ND (0.00014)
1,2-Dichloropropane	NC	NC	NC	ND (0.00016)	ND (0.00018)	ND (0.00020)	ND (0.00016)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00019)	ND (0.00022)	ND (0.00024)	ND (0.00019)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00021)	ND (0.00022)	ND (0.00018)
1,4-Dioxane	0.1	NC	0.1	ND (0.061)	ND (0.070)	ND (0.076)	ND (0.062)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0025)	ND (0.0028)	ND (0.0030)	ND (0.0025)
2-Hexanone	NC	NC	NC	ND (0.00064)	ND (0.00073)	ND (0.00079)	ND (0.00064)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00077)	ND (0.00088)	ND (0.00095)	ND (0.00078)
Acetone	0.05	NC	0.05	ND (0.0017)	ND (0.0020)	ND (0.0021)	ND (0.0017)
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00014)	ND (0.00015)	ND (0.00012)
Bromochloromethane	NC	NC	NC	ND (0.00027)	ND (0.00031)	ND (0.00034)	ND (0.00027)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00012)	ND (0.00013)	ND (0.00011)
Bromoform	NC	NC	NC	ND (0.00016)	ND (0.00018)	ND (0.00019)	ND (0.00016)
Bromomethane	NC	NC	NC	ND (0.00028)	ND (0.00032)	ND (0.00035)	ND (0.00028)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	ND (0.00014)	ND (0.00015)	ND (0.00012)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00016)	ND (0.00017)	ND (0.00014)
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.00013)	ND (0.00014)	ND (0.00011)
Chloroethane	NC	NC	NC	ND (0.00023)	ND (0.00027)	ND (0.00029)	ND (0.00023)
Chloroform	0.37	NC	0.37	ND (0.00085)	ND (0.00097)	ND (0.0010)	ND (0.00085)
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00022)	ND (0.00024)	ND (0.00019)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00019)	ND (0.00021)	ND (0.00023)	ND (0.00019)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00018)	ND (0.00014)
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00016)	ND (0.00013)
Dibromochloromethane	NC	NC	NC	ND (0.00017)	ND (0.00019)	ND (0.00021)	ND (0.00017)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00024)	ND (0.00027)	ND (0.00029)	ND (0.00024)
Ethylbenzene	1	NC	1	ND (0.00027)	ND (0.00031)	ND (0.00033)	ND (0.00027)
Isopropylbenzene	NC	1,000	NC	ND (0.00077)	ND (0.00087)	ND (0.00094)	ND (0.00077)
m&p-Xylene	NC ¹	NC	NC	ND (0.00018)	ND (0.00020)	ND (0.00022)	ND (0.00018)
Methyl acetate	NC	NC	NC	ND (0.0027)	ND (0.0031)	ND (0.0033)	ND (0.0027)
Methylcyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00020)	ND (0.00021)	ND (0.00017)
Methylene chloride	0.05	NC	0.05	0.0047	J 0.005	J 0.0043	J 0.0032
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00024)	ND (0.00028)	ND (0.00030)	ND (0.00024)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00018)	ND (0.00014)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00095)	ND (0.00011)	ND (0.00012)	ND (0.00095)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00018)	ND (0.00020)	ND (0.00022)	ND (0.00018)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00012)	ND (0.00013)	ND (0.00011)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00025)	ND (0.00028)	ND (0.00030)	ND (0.00025)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00018)	ND (0.00020)	ND (0.00016)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00018)	ND (0.00020)	ND (0.00022)	ND (0.00018)
Trichlorofluoromethane	NC	NC	NC	ND (0.00031)	ND (0.00035)	ND (0.00038)	ND (0.00031)
Vinyl Chloride	0.02	NC	0.02	ND (0.00015)	ND (0.00017)	ND (0.00018)	ND (0.00015)
Xylene (Total)	1.6	NC	0.26	ND (0.00014)	ND (0.00016)	ND (0.00018)	ND (0.00014)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Former Raritan Arsenal Fill - Soil 15	Former Raritan Arsenal Fill - Soil 16	Former Raritan Arsenal Fill - Soil 17	Former Raritan Arsenal Fill - Soil 18		
SAMPLE ID:				JB19112-15A	JB19112-16A	JB19112-17A	JB19112-18A		
LAB ID:				10/12/12	10/12/12	10/12/12	10/12/12		
COLLECTION DATE:				Soil	Soil	Soil	Soil		
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg		
UNITS:				Result	Result	Result	Result		
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result		
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00011)		
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00015)	ND (0.00015)	ND (0.00015)	ND (0.00014)		
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00049)	ND (0.00048)	ND (0.00049)	ND (0.00045)		
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00020)	ND (0.00019)	ND (0.00020)	ND (0.00018)		
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00014)		
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00029)	ND (0.00028)	ND (0.00029)	ND (0.00027)		
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00018)	ND (0.00019)	ND (0.00017)		
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)		
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA		
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0010)	ND (0.00098)	ND (0.0010)	ND (0.00093)		
1,2-Dibromoethane	NC	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00015)	ND (0.00013)		
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00022)	ND (0.00021)	ND (0.00022)	ND (0.00020)		
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00015)	ND (0.00015)	ND (0.00014)		
1,2-Dichloropropane	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00016)		
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00021)	ND (0.00021)	ND (0.00021)	ND (0.00020)		
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA		
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00020)	ND (0.00019)	ND (0.00020)	ND (0.00018)		
1,4-Dioxane	0.1	NC	0.1	ND (0.0068)	ND (0.0066)	ND (0.0068)	ND (0.0062)		
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0027)	ND (0.0026)	ND (0.0027)	ND (0.0025)		
2-Hexanone	NC	NC	NC	ND (0.00071)	ND (0.00069)	ND (0.00071)	ND (0.00065)		
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00085)	ND (0.00083)	ND (0.00086)	ND (0.00078)		
Acetone	0.05	NC	0.05	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0018)		
Benzene	0.06	NC	0.06	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00012)		
Bromochloromethane	NC	NC	NC	ND (0.00030)	ND (0.00029)	ND (0.00030)	ND (0.00028)		
Bromodichloromethane	NC	NC	NC	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00011)		
Bromoform	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00016)		
Bromomethane	NC	NC	NC	ND (0.00031)	ND (0.00030)	ND (0.00031)	ND (0.00028)		
Butylbenzene	12	NC	12	NA	NA	NA	NA		
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00012)		
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00015)	ND (0.00015)	ND (0.00015)	ND (0.00014)		
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00011)		
Chloroethane	NC	NC	NC	ND (0.00026)	ND (0.00025)	ND (0.00026)	ND (0.00024)		
Chloroform	0.37	NC	0.37	ND (0.000094)	ND (0.000091)	ND (0.000095)	ND (0.000086)		
Chloromethane	NC	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00021)	ND (0.00019)		
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00021)	ND (0.00020)	ND (0.00021)	ND (0.00019)		
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)		
Cyclohexane	NC	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00014)	ND (0.00013)		
Dibromochloromethane	NC	NC	NC	ND (0.00019)	ND (0.00018)	ND (0.00019)	ND (0.00017)		
Dichlorodifluoromethane	NC	NC	NC	ND (0.00026)	ND (0.00025)	ND (0.00026)	ND (0.00024)		
Ethylbenzene	1	NC	1	ND (0.00030)	ND (0.00029)	ND (0.00030)	ND (0.00027)		
Isopropylbenzene	NC	1,000	NC	ND (0.000085)	ND (0.000082)	ND (0.000085)	ND (0.000078)		
m&p-Xylene	NC ¹	NC	NC	ND (0.00020)	ND (0.00019)	ND (0.00020)	ND (0.00018)		
Methyl acetate	NC	NC	NC	ND (0.0030)	ND (0.0029)	ND (0.0030)	ND (0.0027)		
Methylcyclohexane	NC	NC	NC	ND (0.00019)	ND (0.00019)	ND (0.00019)	ND (0.00018)		
Methylene chloride	0.05	NC	0.05	0.004	J	0.0038	J	0.0032	J
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00027)	ND (0.00026)	ND (0.00027)	ND (0.00025)		
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA		
o-Xylene	NC ¹	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)		
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA		
Styrene	NC	NC	NC	ND (0.00010)	ND (0.00010)	ND (0.00011)	ND (0.000096)		
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA		
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00020)	ND (0.00019)	ND (0.00020)	ND (0.00018)		
Toluene	0.7	NC	0.7	ND (0.00012)	ND (0.00012)	ND (0.00012)	ND (0.00011)		
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00027)	ND (0.00026)	ND (0.00027)	ND (0.00025)		
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00016)		
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00020)	ND (0.00019)	ND (0.00020)	ND (0.00018)		
Trichlorofluoromethane	NC	NC	NC	ND (0.00034)	ND (0.00033)	ND (0.00034)	ND (0.00031)		
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00016)	ND (0.00017)	ND (0.00015)		
Xylene (Total)	1.6	NC	0.26	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)		

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Former Raritan Arsenal Fill - Soil 19	Liberty Stone I-78 Soil 1	Liberty Stone I-78 Soil 2	Liberty Stone I-78 Soil 3
SAMPLE ID:				JB19112-19A	JB18892-1A	JB18892-2A	JB18892-3A
LAB ID:				10/12/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:				Result	Result	Result	Result
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.000095)	ND (0.000098)	ND (0.000083)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00012)	ND (0.00012)	ND (0.00010)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00045)	ND (0.00038)	ND (0.00040)	ND (0.00034)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00016)	ND (0.00014)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00011)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00027)	ND (0.00023)	ND (0.00024)	ND (0.00020)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00015)	ND (0.00013)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00011)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00093)	ND (0.00080)	ND (0.00082)	ND (0.00070)
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00011)	ND (0.00012)	ND (0.00010)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00020)	ND (0.00017)	ND (0.00017)	ND (0.00015)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00014)	ND (0.00012)	ND (0.00012)	ND (0.00011)
1,2-Dichloropropane	NC	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00014)	ND (0.00012)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00015)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00016)	ND (0.00016)	ND (0.00014)
1,4-Dioxane	0.1	NC	0.1	ND (0.062)	ND (0.053)	ND (0.055)	ND (0.047)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0025)	ND (0.0021)	ND (0.0022)	ND (0.0019)
2-Hexanone	NC	NC	NC	ND (0.00065)	ND (0.00056)	ND (0.00057)	ND (0.00049)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00078)	ND (0.00067)	ND (0.00069)	ND (0.00059)
Acetone	0.05	NC	0.05	ND (0.0018)	ND (0.0015)	ND (0.0016)	ND (0.0013)
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00011)	ND (0.00011)	ND (0.000094)
Bromochloromethane	NC	NC	NC	ND (0.00028)	ND (0.00024)	ND (0.00024)	ND (0.00021)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.000094)	ND (0.000097)	ND (0.000083)
Bromoform	NC	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00014)	ND (0.00012)
Bromomethane	NC	NC	NC	ND (0.00028)	ND (0.00024)	ND (0.00025)	ND (0.00021)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	ND (0.00010)	ND (0.00011)	ND (0.000092)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00012)	ND (0.00012)	ND (0.00010)
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.000097)	ND (0.00010)	ND (0.000085)
Chloroethane	NC	NC	NC	ND (0.00024)	ND (0.00020)	ND (0.00021)	ND (0.00018)
Chloroform	0.37	NC	0.37	ND (0.000086)	ND (0.000074)	ND (0.000076)	ND (0.000065)
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00015)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00019)	ND (0.00016)	ND (0.00017)	ND (0.00014)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00011)
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00011)	ND (0.00011)	ND (0.000098)
Dibromochloromethane	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00015)	ND (0.00013)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00024)	ND (0.00020)	ND (0.00021)	ND (0.00018)
Ethylbenzene	1	NC	1	ND (0.00027)	ND (0.00024)	ND (0.00024)	ND (0.00021)
Isopropylbenzene	NC	1,000	NC	ND (0.00077)	ND (0.00066)	ND (0.00069)	ND (0.00059)
m&p-Xylene	NC ¹	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00016)	ND (0.00014)
Methyl acetate	NC	NC	NC	ND (0.0027)	ND (0.0023)	ND (0.0024)	ND (0.0020)
Methylcyclohexane	NC	NC	NC	ND (0.00018)	ND (0.00015)	ND (0.00016)	ND (0.00013)
Methylene chloride	0.05	NC	0.05	0.0033	J ND (0.0011)	0.0071	0.0055
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00024)	ND (0.00021)	ND (0.00022)	ND (0.00019)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00011)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000096)	ND (0.000082)	ND (0.000085)	ND (0.000072)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00018)	ND (0.00015)	ND (0.00016)	ND (0.00014)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.000094)	ND (0.000097)	ND (0.000083)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00025)	ND (0.00021)	ND (0.00022)	ND (0.00019)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00014)	ND (0.00012)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00018)	ND (0.00016)	ND (0.00016)	ND (0.00014)
Trichlorofluoromethane	NC	NC	NC	ND (0.00031)	ND (0.00027)	ND (0.00028)	ND (0.00023)
Vinyl Chloride	0.02	NC	0.02	ND (0.00015)	ND (0.00013)	ND (0.00013)	ND (0.00011)
Xylene (Total)	1.6	NC	0.26	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00011)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Liberty Stone I-78 Soil 4	Liberty Stone I-78 Soil 5	Liberty Stone I-78 Soil 6	Liberty Stone I-78 Soil 7
SAMPLE ID:				JB18892-4A	JB18892-5A	JB18892-6A	JB18892-7A
LAB ID:				10/10/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:							
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00091)	ND (0.00010)	ND (0.00011)	ND (0.00010)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00011)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00037)	ND (0.00041)	ND (0.00045)	ND (0.00042)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00018)	ND (0.00017)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00022)	ND (0.00024)	ND (0.00027)	ND (0.00025)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00017)	ND (0.00016)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00076)	ND (0.00084)	ND (0.00092)	ND (0.00086)
1,2-Dibromoethane	NC	NC	NC	ND (0.00011)	ND (0.00012)	ND (0.00013)	ND (0.00012)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00016)	ND (0.00018)	ND (0.00020)	ND (0.00018)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,2-Dichloropropane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00016)	ND (0.00015)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00016)	ND (0.00018)	ND (0.00019)	ND (0.00018)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00015)	ND (0.00017)	ND (0.00018)	ND (0.00017)
1,4-Dioxane	0.1	NC	0.1	ND (0.051)	ND (0.056)	ND (0.062)	ND (0.058)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0020)	ND (0.0023)	ND (0.0025)	ND (0.0023)
2-Hexanone	NC	NC	NC	ND (0.00053)	ND (0.00059)	ND (0.00064)	ND (0.00060)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00064)	ND (0.00071)	ND (0.00078)	ND (0.00073)
Acetone	0.05	NC	0.05	ND (0.0014)	ND (0.0016)	ND (0.0018)	ND (0.0016)
Benzene	0.06	NC	0.06	ND (0.00010)	ND (0.00011)	ND (0.00012)	ND (0.00012)
Bromochloromethane	NC	NC	NC	ND (0.00023)	ND (0.00025)	ND (0.00027)	ND (0.00026)
Bromodichloromethane	NC	NC	NC	ND (0.00090)	ND (0.00010)	ND (0.00011)	ND (0.00010)
Bromoform	NC	NC	NC	ND (0.00013)	ND (0.00014)	ND (0.00016)	ND (0.00015)
Bromomethane	NC	NC	NC	ND (0.00023)	ND (0.00026)	ND (0.00028)	ND (0.00026)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00010)	ND (0.00011)	ND (0.00012)	ND (0.00011)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00011)	ND (0.00013)	ND (0.00014)	ND (0.00013)
Chlorobenzene	1.1	NC	1.1	ND (0.00092)	ND (0.00010)	ND (0.00011)	ND (0.00010)
Chloroethane	NC	NC	NC	ND (0.00019)	ND (0.00022)	ND (0.00024)	ND (0.00022)
Chloroform	0.37	NC	0.37	ND (0.00071)	ND (0.00078)	ND (0.00086)	ND (0.00080)
Chloromethane	NC	NC	NC	ND (0.00016)	ND (0.00018)	ND (0.00019)	ND (0.00018)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00016)	ND (0.00017)	ND (0.00019)	ND (0.00018)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
Cyclohexane	NC	NC	NC	ND (0.00011)	ND (0.00012)	ND (0.00013)	ND (0.00012)
Dibromochloromethane	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00017)	ND (0.00016)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00020)	ND (0.00022)	ND (0.00024)	ND (0.00022)
Ethylbenzene	1	NC	1	ND (0.00023)	ND (0.00025)	ND (0.00027)	ND (0.00025)
Isopropylbenzene	NC	1,000	NC	ND (0.00064)	ND (0.00070)	ND (0.00077)	ND (0.00072)
m&p-Xylene	NC ¹	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00018)	ND (0.00017)
Methyl acetate	NC	NC	NC	ND (0.0022)	ND (0.0025)	ND (0.0027)	ND (0.0025)
Methylcyclohexane	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00018)	ND (0.00016)
Methylene chloride	0.05	NC	0.05	0.0071	0.0079	0.008	0.0074
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00020)	ND (0.00022)	ND (0.00024)	ND (0.00023)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00078)	ND (0.00087)	ND (0.00095)	ND (0.00089)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00015)	ND (0.00016)	ND (0.00018)	ND (0.00017)
Toluene	0.7	NC	0.7	ND (0.00090)	ND (0.00010)	ND (0.00011)	ND (0.00010)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00020)	ND (0.00023)	ND (0.00025)	ND (0.00023)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00016)	ND (0.00015)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00015)	ND (0.00017)	ND (0.00018)	ND (0.00017)
Trichlorofluoromethane	NC	NC	NC	ND (0.00025)	ND (0.00028)	ND (0.00031)	ND (0.00029)
Vinyl Chloride	0.02	NC	0.02	ND (0.00012)	ND (0.00014)	ND (0.00015)	ND (0.00014)
Xylene (Total)	1.6	NC	0.26	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Liberty Stone I-78 Soil 8	Liberty Stone I-78 Soil 9	Liberty Stone I-78 Soil 10	Liberty Stone I-78 Soil 11
SAMPLE ID:				JB18892-8A	JB18892-9A	JB18892-10A	JB18892-11A
LAB ID:				10/10/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:				Result	Result	Result	Result
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00024)	ND (0.00010)	ND (0.000097)	ND (0.000094)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00030)	ND (0.00013)	ND (0.00012)	ND (0.00012)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00099)	ND (0.00042)	ND (0.00039)	ND (0.00038)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00040)	ND (0.00017)	ND (0.00016)	ND (0.00015)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00032)	ND (0.00013)	ND (0.00013)	ND (0.00012)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00059)	ND (0.00025)	ND (0.00023)	ND (0.00023)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00038)	ND (0.00016)	ND (0.00015)	ND (0.00014)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00032)	ND (0.00014)	ND (0.00013)	ND (0.00012)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0021)	ND (0.00087)	ND (0.00081)	ND (0.00079)
1,2-Dibromoethane	NC	NC	NC	ND (0.00029)	ND (0.00012)	ND (0.00012)	ND (0.00011)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00044)	ND (0.00018)	ND (0.00017)	ND (0.00017)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00031)	ND (0.00013)	ND (0.00012)	ND (0.00012)
1,2-Dichloropropane	NC	NC	NC	ND (0.00036)	ND (0.00015)	ND (0.00014)	ND (0.00014)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00043)	ND (0.00018)	ND (0.00017)	ND (0.00017)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00041)	ND (0.00017)	ND (0.00016)	ND (0.00016)
1,4-Dioxane	0.1	NC	0.1	ND (0.14)	ND (0.058)	ND (0.054)	ND (0.053)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0055)	ND (0.0023)	ND (0.0022)	ND (0.0021)
2-Hexanone	NC	NC	NC	ND (0.0014)	ND (0.00061)	ND (0.00057)	ND (0.00055)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.0017)	ND (0.00073)	ND (0.00069)	ND (0.00066)
Acetone	0.05	NC	0.05	ND (0.0039)	ND (0.0016)	ND (0.0015)	ND (0.0015)
Benzene	0.06	NC	0.06	ND (0.00027)	ND (0.00012)	ND (0.00011)	ND (0.00011)
Bromochloromethane	NC	NC	NC	ND (0.00061)	ND (0.00026)	ND (0.00024)	ND (0.00023)
Bromodichloromethane	NC	NC	NC	ND (0.00024)	ND (0.00010)	ND (0.000096)	ND (0.000093)
Bromoform	NC	NC	NC	ND (0.00035)	ND (0.00015)	ND (0.00014)	ND (0.00013)
Bromomethane	NC	NC	NC	ND (0.00063)	ND (0.00027)	ND (0.00025)	ND (0.00024)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00027)	ND (0.00011)	ND (0.00011)	ND (0.00010)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00031)	ND (0.00013)	ND (0.00012)	ND (0.00012)
Chlorobenzene	1.1	NC	1.1	ND (0.00025)	ND (0.00011)	ND (0.000099)	ND (0.000095)
Chloroethane	NC	NC	NC	ND (0.00052)	ND (0.00022)	ND (0.00021)	ND (0.00020)
Chloroform	0.37	NC	0.37	ND (0.00019)	ND (0.000081)	ND (0.000075)	ND (0.000073)
Chloromethane	NC	NC	NC	ND (0.00043)	ND (0.00018)	ND (0.00017)	ND (0.00016)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00042)	ND (0.00018)	ND (0.00017)	ND (0.00016)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00032)	ND (0.00014)	ND (0.00013)	ND (0.00012)
Cyclohexane	NC	NC	NC	ND (0.00029)	ND (0.00012)	ND (0.00011)	ND (0.00011)
Dibromochloromethane	NC	NC	NC	ND (0.00038)	ND (0.00016)	ND (0.00015)	ND (0.00014)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00053)	ND (0.00022)	ND (0.00021)	ND (0.00020)
Ethylbenzene	1	NC	1	ND (0.00061)	ND (0.00026)	ND (0.00024)	ND (0.00023)
Isopropylbenzene	NC	1,000	NC	ND (0.00017)	ND (0.000072)	ND (0.000068)	ND (0.000066)
m&p-Xylene	NC ¹	NC	NC	ND (0.00040)	ND (0.00017)	ND (0.00016)	ND (0.00015)
Methyl acetate	NC	NC	NC	ND (0.0060)	ND (0.0025)	ND (0.0024)	ND (0.0023)
Methylcyclohexane	NC	NC	NC	ND (0.00039)	ND (0.00016)	ND (0.00015)	ND (0.00015)
Methylene chloride	0.05	NC	0.05	ND (0.0029)	0.0071	ND (0.0012)	0.0040 J
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00054)	ND (0.00023)	ND (0.00021)	ND (0.00021)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00032)	ND (0.00014)	ND (0.00013)	ND (0.00012)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00021)	ND (0.000089)	ND (0.000084)	ND (0.000081)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00040)	ND (0.00017)	ND (0.00016)	ND (0.00015)
Toluene	0.7	NC	0.7	ND (0.00024)	ND (0.00010)	ND (0.000096)	ND (0.000093)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00055)	ND (0.00023)	ND (0.00022)	ND (0.00021)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00036)	ND (0.00015)	ND (0.00014)	ND (0.00014)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00040)	ND (0.00017)	ND (0.00016)	ND (0.00015)
Trichlorofluoromethane	NC	NC	NC	ND (0.00069)	ND (0.00029)	ND (0.00027)	ND (0.00026)
Vinyl Chloride	0.02	NC	0.02	ND (0.00033)	ND (0.00014)	ND (0.00013)	ND (0.00013)
Xylene (Total)	1.6	NC	0.26	ND (0.00032)	ND (0.00014)	ND (0.00013)	ND (0.00012)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Liberty Stone I-78 Soil 12	Liberty Stone I-78 Soil 13	Liberty Stone I-78 Soil 14	Liberty Stone I-78 Soil 15
SAMPLE ID:				JB18892-12A	JB18892-13A	JB18892-14A	JB18892-15A
LAB ID:				10/10/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:							
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00098)	ND (0.00089)	ND (0.00098)	ND (0.00011)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00014)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00040)	ND (0.00036)	ND (0.00040)	ND (0.00045)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00018)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00014)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00024)	ND (0.00022)	ND (0.00024)	ND (0.00027)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00015)	ND (0.00017)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00015)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00083)	ND (0.00075)	ND (0.00082)	ND (0.00094)
1,2-Dibromoethane	NC	NC	NC	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00013)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00018)	ND (0.00016)	ND (0.00017)	ND (0.00020)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00013)	ND (0.00011)	ND (0.00012)	ND (0.00014)
1,2-Dichloropropane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00016)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00017)	ND (0.00016)	ND (0.00017)	ND (0.00020)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00019)
1,4-Dioxane	0.1	NC	0.1	ND (0.0055)	ND (0.0050)	ND (0.0055)	ND (0.0063)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0022)	ND (0.0020)	ND (0.0022)	ND (0.0025)
2-Hexanone	NC	NC	NC	ND (0.00058)	ND (0.00052)	ND (0.00057)	ND (0.00066)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00070)	ND (0.00063)	ND (0.00069)	ND (0.00079)
Acetone	0.05	NC	0.05	ND (0.0016)	ND (0.0014)	ND (0.0016)	ND (0.0018)
Benzene	0.06	NC	0.06	ND (0.00011)	ND (0.00010)	ND (0.00011)	ND (0.00013)
Bromochloromethane	NC	NC	NC	ND (0.00025)	ND (0.00022)	ND (0.00024)	ND (0.00028)
Bromodichloromethane	NC	NC	NC	ND (0.00098)	ND (0.00089)	ND (0.00097)	ND (0.00011)
Bromoform	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00016)
Bromomethane	NC	NC	NC	ND (0.00025)	ND (0.00023)	ND (0.00025)	ND (0.00029)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00011)	ND (0.000099)	ND (0.00011)	ND (0.00012)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00014)
Chlorobenzene	1.1	NC	1.1	ND (0.00010)	ND (0.000091)	ND (0.00010)	ND (0.00011)
Chloroethane	NC	NC	NC	ND (0.00021)	ND (0.00019)	ND (0.00021)	ND (0.00024)
Chloroform	0.37	NC	0.37	ND (0.00077)	ND (0.00070)	ND (0.00076)	ND (0.00087)
Chloromethane	NC	NC	NC	ND (0.00017)	ND (0.00016)	ND (0.00017)	ND (0.00020)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00017)	ND (0.00015)	ND (0.00017)	ND (0.00019)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00015)
Cyclohexane	NC	NC	NC	ND (0.00012)	ND (0.00010)	ND (0.00011)	ND (0.00013)
Dibromochloromethane	NC	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00015)	ND (0.00017)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00021)	ND (0.00019)	ND (0.00021)	ND (0.00024)
Ethylbenzene	1	NC	1	ND (0.00024)	ND (0.00022)	ND (0.00024)	ND (0.00028)
Isopropylbenzene	NC	1,000	NC	ND (0.00069)	ND (0.00063)	ND (0.00068)	ND (0.00078)
m&p-Xylene	NC ¹	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00018)
Methyl acetate	NC	NC	NC	ND (0.0024)	ND (0.0022)	ND (0.0024)	ND (0.0027)
Methylcyclohexane	NC	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00018)
Methylene chloride	0.05	NC	0.05	0.0083	0.007	0.0032 J	0.0039 J
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00022)	ND (0.00020)	ND (0.00022)	ND (0.00025)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00015)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00085)	ND (0.00077)	ND (0.00085)	ND (0.00097)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00018)
Toluene	0.7	NC	0.7	ND (0.00098)	ND (0.00089)	ND (0.00097)	ND (0.00011)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00022)	ND (0.00020)	ND (0.00022)	ND (0.00025)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00016)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00018)
Trichlorofluoromethane	NC	NC	NC	ND (0.00028)	ND (0.00025)	ND (0.00027)	ND (0.00031)
Vinyl Chloride	0.02	NC	0.02	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00015)
Xylene (Total)	1.6	NC	0.26	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00015)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Liberty Stone I-78 Soil 16	Liberty Stone I-78 Soil 17	Liberty Stone I-78 Soil 18	Liberty Stone I-78 Soil 19
SAMPLE ID:				JB18892-16A	JB18892-17A	JB18892-18A	JB18892-19A
LAB ID:				10/10/12	10/10/12	10/10/12	10/10/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:							
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00098)	ND (0.00012)	ND (0.00096)	ND (0.00013)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00012)	ND (0.00015)	ND (0.00012)	ND (0.00016)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00040)	ND (0.00050)	ND (0.00039)	ND (0.00052)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00016)	ND (0.00020)	ND (0.00016)	ND (0.00021)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00013)	ND (0.00016)	ND (0.00012)	ND (0.00017)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00024)	ND (0.00030)	ND (0.00023)	ND (0.00031)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00019)	ND (0.00015)	ND (0.00020)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00013)	ND (0.00016)	ND (0.00013)	ND (0.00017)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00082)	ND (0.0010)	ND (0.00080)	ND (0.0011)
1,2-Dibromoethane	NC	NC	NC	ND (0.00012)	ND (0.00015)	ND (0.00011)	ND (0.00015)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00017)	ND (0.00022)	ND (0.00017)	ND (0.00023)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00012)	ND (0.00016)	ND (0.00012)	ND (0.00016)
1,2-Dichloropropane	NC	NC	NC	ND (0.00014)	ND (0.00018)	ND (0.00014)	ND (0.00019)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00017)	ND (0.00022)	ND (0.00017)	ND (0.00023)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00016)	ND (0.00020)	ND (0.00016)	ND (0.00021)
1,4-Dioxane	0.1	NC	0.1	ND (0.0055)	ND (0.0069)	ND (0.0054)	ND (0.0072)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0022)	ND (0.0028)	ND (0.0022)	ND (0.0029)
2-Hexanone	NC	NC	NC	ND (0.00057)	ND (0.00072)	ND (0.00056)	ND (0.00075)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00069)	ND (0.00087)	ND (0.00068)	ND (0.00090)
Acetone	0.05	NC	0.05	ND (0.0016)	ND (0.0020)	ND (0.0015)	ND (0.0020)
Benzene	0.06	NC	0.06	ND (0.00011)	ND (0.00014)	ND (0.00011)	ND (0.00014)
Bromochloromethane	NC	NC	NC	ND (0.00024)	ND (0.00031)	ND (0.00024)	ND (0.00032)
Bromodichloromethane	NC	NC	NC	ND (0.00097)	ND (0.00012)	ND (0.00095)	ND (0.00013)
Bromoform	NC	NC	NC	ND (0.00014)	ND (0.00017)	ND (0.00014)	ND (0.00018)
Bromomethane	NC	NC	NC	ND (0.00025)	ND (0.00032)	ND (0.00025)	ND (0.00033)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00011)	ND (0.00014)	ND (0.00011)	ND (0.00014)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00012)	ND (0.00015)	ND (0.00012)	ND (0.00016)
Chlorobenzene	1.1	NC	1.1	ND (0.00099)	ND (0.00012)	ND (0.00098)	ND (0.00013)
Chloroethane	NC	NC	NC	ND (0.00021)	ND (0.00026)	ND (0.00020)	ND (0.00027)
Chloroform	0.37	NC	0.37	ND (0.00076)	ND (0.00096)	ND (0.00075)	ND (0.00010)
Chloromethane	NC	NC	NC	ND (0.00017)	ND (0.00022)	ND (0.00017)	ND (0.00022)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00017)	ND (0.00021)	ND (0.00017)	ND (0.00022)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00013)	ND (0.00016)	ND (0.00013)	ND (0.00017)
Cyclohexane	NC	NC	NC	ND (0.00011)	ND (0.00014)	ND (0.00011)	ND (0.00015)
Dibromochloromethane	NC	NC	NC	ND (0.00015)	ND (0.00019)	ND (0.00015)	ND (0.00020)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00021)	ND (0.00026)	ND (0.00021)	ND (0.00027)
Ethylbenzene	1	NC	1	ND (0.00024)	ND (0.00030)	ND (0.00024)	ND (0.00032)
Isopropylbenzene	NC	1,000	NC	ND (0.00068)	ND (0.00086)	ND (0.00067)	ND (0.00090)
m&p-Xylene	NC ¹	NC	NC	ND (0.00016)	ND (0.00020)	ND (0.00016)	ND (0.00021)
Methyl acetate	NC	NC	NC	ND (0.0024)	ND (0.0030)	ND (0.0023)	ND (0.0031)
Methylcyclohexane	NC	NC	NC	ND (0.00016)	ND (0.00020)	ND (0.00015)	ND (0.00020)
Methylene chloride	0.05	NC	0.05	ND (0.0012)	ND (0.0015)	ND (0.0011)	ND (0.0015)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00022)	ND (0.00027)	ND (0.00021)	ND (0.00028)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00013)	ND (0.00016)	ND (0.00013)	ND (0.00017)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00084)	ND (0.00011)	ND (0.00083)	ND (0.00011)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00016)	ND (0.00020)	ND (0.00016)	ND (0.00021)
Toluene	0.7	NC	0.7	ND (0.00097)	ND (0.00012)	ND (0.00095)	ND (0.00013)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00022)	ND (0.00028)	ND (0.00021)	ND (0.00029)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00018)	ND (0.00014)	ND (0.00019)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00016)	ND (0.00020)	ND (0.00016)	ND (0.00021)
Trichlorofluoromethane	NC	NC	NC	ND (0.00027)	ND (0.00034)	ND (0.00027)	ND (0.00036)
Vinyl Chloride	0.02	NC	0.02	ND (0.00013)	ND (0.00017)	ND (0.00013)	ND (0.00017)
Xylene (Total)	1.6	NC	0.26	ND (0.00013)	ND (0.00016)	ND (0.00013)	ND (0.00017)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Natures Choice I-78 Soil 1	Natures Choice I-78 Soil 2	Natures Choice I-78 Soil 3	Natures Choice I-78 Soil 4
SAMPLE ID:				JB19432-1A	JB19432-2A	JB19432-3A	JB19432-4A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:							
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00012)	ND (0.00011)	ND (0.00011)	ND (0.00012)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00015)	ND (0.00013)	ND (0.00013)	ND (0.00015)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00047)	ND (0.00043)	ND (0.00043)	ND (0.00049)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00020)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00016)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00028)	ND (0.00026)	ND (0.00026)	ND (0.00029)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00016)	ND (0.00019)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00016)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00098)	ND (0.00088)	ND (0.00089)	ND (0.0010)
1,2-Dibromoethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00013)	ND (0.00015)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00021)	ND (0.00019)	ND (0.00019)	ND (0.00022)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00013)	ND (0.00013)	ND (0.00015)
1,2-Dichloropropane	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00015)	ND (0.00018)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00021)	ND (0.00019)	ND (0.00019)	ND (0.00021)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00020)
1,4-Dioxane	0.1	NC	0.1	ND (0.0066)	ND (0.0059)	ND (0.0059)	ND (0.0068)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.00026)	ND (0.00024)	ND (0.00024)	ND (0.00027)
2-Hexanone	NC	NC	NC	ND (0.00069)	ND (0.00062)	ND (0.00062)	ND (0.00071)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00083)	ND (0.00075)	ND (0.00075)	ND (0.00086)
Acetone	0.05	NC	0.05	ND (0.0019)	ND (0.0017)	ND (0.0017)	ND (0.0019)
Benzene	0.06	NC	0.06	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00014)
Bromochloromethane	NC	NC	NC	ND (0.00029)	ND (0.00026)	ND (0.00026)	ND (0.00030)
Bromodichloromethane	NC	NC	NC	ND (0.00012)	ND (0.00010)	ND (0.00010)	ND (0.00012)
Bromoform	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00015)	ND (0.00017)
Bromomethane	NC	NC	NC	ND (0.00030)	ND (0.00027)	ND (0.00027)	ND (0.00031)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00013)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00015)	ND (0.00013)	ND (0.00013)	ND (0.00015)
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00011)	ND (0.00011)	ND (0.00012)
Chloroethane	NC	NC	NC	ND (0.00025)	ND (0.00023)	ND (0.00023)	ND (0.00026)
Chloroform	0.37	NC	0.37	ND (0.000091)	ND (0.000082)	ND (0.000082)	ND (0.000095)
Chloromethane	NC	NC	NC	ND (0.00021)	ND (0.00018)	ND (0.00019)	ND (0.00021)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00020)	ND (0.00018)	ND (0.00018)	ND (0.00021)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00016)
Cyclohexane	NC	NC	NC	ND (0.00014)	ND (0.00012)	ND (0.00012)	ND (0.00014)
Dibromochloromethane	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00016)	ND (0.00019)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00025)	ND (0.00023)	ND (0.00023)	ND (0.00026)
Ethylbenzene	1	NC	1	ND (0.00029)	ND (0.00026)	ND (0.00026)	ND (0.00030)
Isopropylbenzene	NC	1,000	NC	ND (0.000082)	ND (0.000074)	ND (0.000074)	ND (0.000085)
m&p-Xylene	NC ¹	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00020)
Methyl acetate	NC	NC	NC	ND (0.00029)	ND (0.00026)	ND (0.00026)	ND (0.00030)
Methylcyclohexane	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00019)
Methylene chloride	0.05	NC	0.05	ND (0.0014)	ND (0.0013)	ND (0.0013)	ND (0.0015)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00026)	ND (0.00023)	ND (0.00023)	ND (0.00027)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00016)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00010)	ND (0.000091)	ND (0.000091)	ND (0.00011)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00020)
Toluene	0.7	NC	0.7	ND (0.00012)	ND (0.00010)	ND (0.00010)	ND (0.00012)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00026)	ND (0.00024)	ND (0.00024)	ND (0.00027)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00015)	ND (0.00018)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00020)
Trichlorofluoromethane	NC	NC	NC	ND (0.00033)	ND (0.00030)	ND (0.00030)	ND (0.00034)
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00014)	ND (0.00014)	ND (0.00016)
Xylene (Total)	1.6	NC	0.26	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00016)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Natures Choice I-78 Soil 5	Natures Choice I-78 Soil 6	Natures Choice I-78 Soil 7	Natures Choice I-78 Soil 8
SAMPLE ID:				JB19432-5A	JB19432-6A	JB19432-7A	JB19432-8A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:							
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00011)	ND (0.00011)	ND (0.00011)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00013)	ND (0.00014)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00046)	ND (0.00043)	ND (0.00044)	ND (0.00047)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00019)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00015)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00028)	ND (0.00026)	ND (0.00026)	ND (0.00028)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00017)	ND (0.00018)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00015)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00096)	ND (0.00088)	ND (0.00090)	ND (0.00096)
1,2-Dibromoethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00013)	ND (0.00014)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00020)	ND (0.00019)	ND (0.00019)	ND (0.00020)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00013)	ND (0.00014)	ND (0.00015)
1,2-Dichloropropane	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00016)	ND (0.00017)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00020)	ND (0.00019)	ND (0.00019)	ND (0.00020)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00019)
1,4-Dioxane	0.1	NC	0.1	ND (0.064)	ND (0.059)	ND (0.060)	ND (0.064)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.00026)	ND (0.00024)	ND (0.00024)	ND (0.00026)
2-Hexanone	NC	NC	NC	ND (0.00067)	ND (0.00062)	ND (0.00063)	ND (0.00067)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00081)	ND (0.00075)	ND (0.00076)	ND (0.00081)
Acetone	0.05	NC	0.05	ND (0.0018)	ND (0.0017)	ND (0.0017)	ND (0.0018)
Benzene	0.06	NC	0.06	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00013)
Bromochloromethane	NC	NC	NC	ND (0.00029)	ND (0.00026)	ND (0.00027)	ND (0.00029)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00010)	ND (0.00011)	ND (0.00011)
Bromoform	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00015)	ND (0.00016)
Bromomethane	NC	NC	NC	ND (0.00029)	ND (0.00027)	ND (0.00028)	ND (0.00030)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00012)	ND (0.00012)	ND (0.00013)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00014)
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00011)	ND (0.00011)	ND (0.00012)
Chloroethane	NC	NC	NC	ND (0.00024)	ND (0.00023)	ND (0.00023)	ND (0.00025)
Chloroform	0.37	NC	0.37	ND (0.00089)	ND (0.00082)	ND (0.00084)	ND (0.00089)
Chloromethane	NC	NC	NC	ND (0.00020)	ND (0.00018)	ND (0.00019)	ND (0.00020)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00020)	ND (0.00018)	ND (0.00019)	ND (0.00020)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00015)
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00013)
Dibromochloromethane	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00017)	ND (0.00018)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00025)	ND (0.00023)	ND (0.00023)	ND (0.00025)
Ethylbenzene	1	NC	1	ND (0.00028)	ND (0.00026)	ND (0.00027)	ND (0.00028)
Isopropylbenzene	NC	1,000	NC	ND (0.00080)	ND (0.00074)	ND (0.00076)	ND (0.00080)
m&p-Xylene	NC ¹	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00019)
Methyl acetate	NC	NC	NC	ND (0.00028)	ND (0.00026)	ND (0.00026)	ND (0.00028)
Methylcyclohexane	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00017)	ND (0.00018)
Methylene chloride	0.05	NC	0.05	ND (0.0014)	ND (0.0013)	ND (0.0013)	ND (0.0014)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00025)	ND (0.00023)	ND (0.00024)	ND (0.00025)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00015)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00099)	ND (0.00091)	ND (0.00093)	ND (0.00099)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00019)	ND (0.00017)	ND (0.00017)	ND (0.00019)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00010)	ND (0.00011)	ND (0.00011)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00026)	ND (0.00024)	ND (0.00024)	ND (0.00026)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00016)	ND (0.00017)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00019)
Trichlorofluoromethane	NC	NC	NC	ND (0.00032)	ND (0.00030)	ND (0.00030)	ND (0.00032)
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00014)	ND (0.00015)	ND (0.00016)
Xylene (Total)	1.6	NC	0.26	ND (0.00015)	ND (0.00014)	ND (0.00014)	ND (0.00015)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Natures Choice I-78 Soil 9	Natures Choice I-78 Soil 10	Natures Choice I-78 Soil 11	Natures Choice I-78 Soil 12
SAMPLE ID:				JB19432-9A	JB19432-10A	JB19432-11A	JB19432-12A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:				Result	Result	Result	Result
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00012)	ND (0.00010)	ND (0.00011)	ND (0.00016)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00015)	ND (0.00013)	ND (0.00013)	ND (0.00021)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00049)	ND (0.00042)	ND (0.00044)	ND (0.00067)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00020)	ND (0.00017)	ND (0.00018)	ND (0.00027)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00021)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00029)	ND (0.00025)	ND (0.00026)	ND (0.00040)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00016)	ND (0.00017)	ND (0.00025)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00022)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0010)	ND (0.00086)	ND (0.00091)	ND (0.0014)
1,2-Dibromoethane	NC	NC	NC	ND (0.00015)	ND (0.00012)	ND (0.00013)	ND (0.00020)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00022)	ND (0.00018)	ND (0.00019)	ND (0.00029)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00013)	ND (0.00014)	ND (0.00021)
1,2-Dichloropropane	NC	NC	NC	ND (0.00018)	ND (0.00015)	ND (0.00016)	ND (0.00024)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00021)	ND (0.00018)	ND (0.00019)	ND (0.00029)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00020)	ND (0.00017)	ND (0.00018)	ND (0.00027)
1,4-Dioxane	0.1	NC	0.1	ND (0.0068)	ND (0.0058)	ND (0.0061)	ND (0.0092)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0027)	ND (0.0023)	ND (0.0024)	ND (0.0037)
2-Hexanone	NC	NC	NC	ND (0.00071)	ND (0.00060)	ND (0.00063)	ND (0.00097)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00086)	ND (0.00073)	ND (0.00076)	ND (0.0012)
Acetone	0.05	NC	0.05	ND (0.0019)	ND (0.0016)	ND (0.0017)	ND (0.0026)
Benzene	0.06	NC	0.06	ND (0.00014)	ND (0.00012)	ND (0.00012)	ND (0.00018)
Bromochloromethane	NC	NC	NC	ND (0.00030)	ND (0.00026)	ND (0.00027)	ND (0.00041)
Bromodichloromethane	NC	NC	NC	ND (0.00012)	ND (0.00010)	ND (0.00011)	ND (0.00016)
Bromoform	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00015)	ND (0.00023)
Bromomethane	NC	NC	NC	ND (0.00031)	ND (0.00026)	ND (0.00028)	ND (0.00042)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00011)	ND (0.00012)	ND (0.00018)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00015)	ND (0.00013)	ND (0.00014)	ND (0.00021)
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00010)	ND (0.00011)	ND (0.00017)
Chloroethane	NC	NC	NC	ND (0.00026)	ND (0.00022)	ND (0.00023)	ND (0.00035)
Chloroform	0.37	NC	0.37	ND (0.000095)	ND (0.000080)	ND (0.000084)	ND (0.00013)
Chloromethane	NC	NC	NC	ND (0.00021)	ND (0.00018)	ND (0.00019)	ND (0.00029)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00021)	ND (0.00018)	ND (0.00019)	ND (0.00028)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00022)
Cyclohexane	NC	NC	NC	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00019)
Dibromochloromethane	NC	NC	NC	ND (0.00019)	ND (0.00016)	ND (0.00017)	ND (0.00025)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00026)	ND (0.00022)	ND (0.00023)	ND (0.00035)
Ethylbenzene	1	NC	1	ND (0.00030)	ND (0.00025)	ND (0.00027)	ND (0.00041)
Isopropylbenzene	NC	1,000	NC	ND (0.000085)	ND (0.000072)	ND (0.000076)	ND (0.00012)
m&p-Xylene	NC ¹	NC	NC	ND (0.00020)	ND (0.00017)	ND (0.00018)	ND (0.00027)
Methyl acetate	NC	NC	NC	ND (0.0030)	ND (0.0025)	ND (0.0026)	ND (0.0040)
Methylcyclohexane	NC	NC	NC	ND (0.00019)	ND (0.00016)	ND (0.00017)	ND (0.00026)
Methylene chloride	0.05	NC	0.05	ND (0.0015)	ND (0.0012)	ND (0.0013)	ND (0.0020)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00027)	ND (0.00023)	ND (0.00024)	ND (0.00037)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00022)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00010)	ND (0.000089)	ND (0.000093)	ND (0.00014)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00020)	ND (0.00017)	ND (0.00018)	ND (0.00027)
Toluene	0.7	NC	0.7	ND (0.00012)	ND (0.00010)	ND (0.00011)	ND (0.00016)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00027)	ND (0.00023)	ND (0.00024)	ND (0.00037)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00018)	ND (0.00015)	ND (0.00016)	ND (0.00024)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00020)	ND (0.00017)	ND (0.00018)	ND (0.00027)
Trichlorofluoromethane	NC	NC	NC	ND (0.00034)	ND (0.00029)	ND (0.00030)	ND (0.00046)
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00014)	ND (0.00015)	ND (0.00022)
Xylene (Total)	1.6	NC	0.26	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00022)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Natures Choice I-78 Soil 13	Natures Choice I-78 Soil 14	Natures Choice I-78 Soil 15	Natures Choice I-78 Soil 16
SAMPLE ID:				JB19432-13A	JB19432-14A	JB19432-15A	JB19432-16A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:				Result	Result	Result	Result
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00011)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00015)	ND (0.00014)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00045)	ND (0.00043)	ND (0.00049)	ND (0.00045)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00020)	ND (0.00018)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00014)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00027)	ND (0.00026)	ND (0.00029)	ND (0.00027)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00016)	ND (0.00019)	ND (0.00017)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00015)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00092)	ND (0.00089)	ND (0.0010)	ND (0.00094)
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00013)	ND (0.00015)	ND (0.00013)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00020)	ND (0.00019)	ND (0.00022)	ND (0.00020)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00014)	ND (0.00014)	ND (0.00015)	ND (0.00014)
1,2-Dichloropropane	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00018)	ND (0.00016)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00019)	ND (0.00019)	ND (0.00021)	ND (0.00020)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00018)	ND (0.00020)	ND (0.00019)
1,4-Dioxane	0.1	NC	0.1	ND (0.062)	ND (0.060)	ND (0.068)	ND (0.063)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0025)	ND (0.0024)	ND (0.0027)	ND (0.0025)
2-Hexanone	NC	NC	NC	ND (0.00064)	ND (0.00062)	ND (0.00071)	ND (0.00065)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00078)	ND (0.00075)	ND (0.00086)	ND (0.00079)
Acetone	0.05	NC	0.05	ND (0.0018)	ND (0.0017)	ND (0.0019)	ND (0.0018)
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00012)	ND (0.00014)	ND (0.00013)
Bromochloromethane	NC	NC	NC	ND (0.00027)	ND (0.00027)	ND (0.00030)	ND (0.00028)
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00011)
Bromoform	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00017)	ND (0.00016)
Bromomethane	NC	NC	NC	ND (0.00028)	ND (0.00027)	ND (0.00031)	ND (0.00029)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	ND (0.00012)	ND (0.00013)	ND (0.00012)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00013)	ND (0.00015)	ND (0.00014)
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00011)
Chloroethane	NC	NC	NC	ND (0.00024)	ND (0.00023)	ND (0.00026)	ND (0.00024)
Chloroform	0.37	NC	0.37	ND (0.00086)	ND (0.00083)	ND (0.00095)	ND (0.00087)
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00019)	ND (0.00021)	ND (0.00020)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00019)	ND (0.00018)	ND (0.00021)	ND (0.00019)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00015)
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00012)	ND (0.00014)	ND (0.00013)
Dibromochloromethane	NC	NC	NC	ND (0.00017)	ND (0.00016)	ND (0.00019)	ND (0.00017)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00024)	ND (0.00023)	ND (0.00026)	ND (0.00024)
Ethylbenzene	1	NC	1	ND (0.00027)	ND (0.00026)	ND (0.00030)	ND (0.00028)
Isopropylbenzene	NC	1,000	NC	ND (0.00077)	ND (0.00074)	ND (0.00085)	ND (0.00078)
m&p-Xylene	NC ¹	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00020)	ND (0.00018)
Methyl acetate	NC	NC	NC	ND (0.0027)	ND (0.0026)	ND (0.0030)	ND (0.0027)
Methylcyclohexane	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00019)	ND (0.00018)
Methylene chloride	0.05	NC	0.05	ND (0.0013)	ND (0.0013)	ND (0.0015)	ND (0.0013)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00024)	ND (0.00024)	ND (0.00027)	ND (0.00025)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00015)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00095)	ND (0.00092)	ND (0.0011)	ND (0.00096)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00018)	ND (0.00017)	ND (0.00020)	ND (0.00018)
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00011)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00025)	ND (0.00024)	ND (0.00027)	ND (0.00025)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00016)	ND (0.00018)	ND (0.00016)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00018)	ND (0.00017)	ND (0.00020)	ND (0.00018)
Trichlorofluoromethane	NC	NC	NC	ND (0.00031)	ND (0.00030)	ND (0.00034)	ND (0.00031)
Vinyl Chloride	0.02	NC	0.02	ND (0.00015)	ND (0.00014)	ND (0.00017)	ND (0.00015)
Xylene (Total)	1.6	NC	0.26	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00015)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Natures Choice I-78 Soil 17	Natures Choice I-78 Soil 18	Natures Choice I-78 Soil 19	Natures Choice I-78 Soil 20
SAMPLE ID:				JB19432-17A	JB19432-18A	JB19432-19A	JB19432-20A
LAB ID:				10/16/12	10/16/12	10/16/12	10/16/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:				Result	Result	Result	Result
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00012)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00015)	ND (0.00013)	ND (0.00015)	ND (0.00014)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00049)	ND (0.00044)	ND (0.00048)	ND (0.00047)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00020)	ND (0.00018)	ND (0.00019)	ND (0.00019)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00016)	ND (0.00014)	ND (0.00015)	ND (0.00015)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00029)	ND (0.00026)	ND (0.00029)	ND (0.00028)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00018)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00015)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0010)	ND (0.00090)	ND (0.0010)	ND (0.00097)
1,2-Dibromoethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00014)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00021)	ND (0.00019)	ND (0.00021)	ND (0.00021)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00015)	ND (0.00014)	ND (0.00015)	ND (0.00015)
1,2-Dichloropropane	NC	NC	NC	ND (0.00017)	ND (0.00016)	ND (0.00017)	ND (0.00017)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00021)	ND (0.00019)	ND (0.00021)	ND (0.00020)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00020)	ND (0.00018)	ND (0.00020)	ND (0.00019)
1,4-Dioxane	0.1	NC	0.1	ND (0.0068)	ND (0.0060)	ND (0.0067)	ND (0.0065)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0027)	ND (0.0024)	ND (0.0027)	ND (0.0026)
2-Hexanone	NC	NC	NC	ND (0.00071)	ND (0.00063)	ND (0.00070)	ND (0.00068)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00085)	ND (0.00076)	ND (0.00084)	ND (0.00082)
Acetone	0.05	NC	0.05	ND (0.0019)	ND (0.0017)	ND (0.0019)	ND (0.0018)
Benzene	0.06	NC	0.06	ND (0.00014)	ND (0.00012)	ND (0.00013)	ND (0.00013)
Bromochloromethane	NC	NC	NC	ND (0.00030)	ND (0.00027)	ND (0.00030)	ND (0.00029)
Bromodichloromethane	NC	NC	NC	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00011)
Bromoform	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00017)	ND (0.00016)
Bromomethane	NC	NC	NC	ND (0.00031)	ND (0.00028)	ND (0.00031)	ND (0.00030)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00013)	ND (0.00012)	ND (0.00013)	ND (0.00013)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00015)	ND (0.00013)	ND (0.00015)	ND (0.00014)
Chlorobenzene	1.1	NC	1.1	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00012)
Chloroethane	NC	NC	NC	ND (0.00026)	ND (0.00023)	ND (0.00025)	ND (0.00025)
Chloroform	0.37	NC	0.37	ND (0.000094)	ND (0.000084)	ND (0.000092)	ND (0.000090)
Chloromethane	NC	NC	NC	ND (0.00021)	ND (0.00019)	ND (0.00021)	ND (0.00020)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00021)	ND (0.00019)	ND (0.00020)	ND (0.00020)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00015)
Cyclohexane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00014)
Dibromochloromethane	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00018)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00026)	ND (0.00023)	ND (0.00026)	ND (0.00025)
Ethylbenzene	1	NC	1	ND (0.00030)	ND (0.00027)	ND (0.00029)	ND (0.00029)
Isopropylbenzene	NC	1,000	NC	ND (0.000084)	ND (0.000075)	ND (0.000083)	ND (0.000081)
m&p-Xylene	NC ¹	NC	NC	ND (0.00020)	ND (0.00018)	ND (0.00019)	ND (0.00019)
Methyl acetate	NC	NC	NC	ND (0.0030)	ND (0.0026)	ND (0.0029)	ND (0.0028)
Methylcyclohexane	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00019)	ND (0.00018)
Methylene chloride	0.05	NC	0.05	ND (0.0014)	ND (0.0013)	ND (0.0014)	ND (0.0014)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00027)	ND (0.00024)	ND (0.00026)	ND (0.00026)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00015)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00010)	ND (0.000093)	ND (0.00010)	ND (0.00010)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00020)	ND (0.00017)	ND (0.00019)	ND (0.00019)
Toluene	0.7	NC	0.7	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00011)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00027)	ND (0.00024)	ND (0.00027)	ND (0.00026)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00017)	ND (0.00017)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00020)	ND (0.00018)	ND (0.00019)	ND (0.00019)
Trichlorofluoromethane	NC	NC	NC	ND (0.00034)	ND (0.00030)	ND (0.00033)	ND (0.00032)
Vinyl Chloride	0.02	NC	0.02	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00016)
Xylene (Total)	1.6	NC	0.26	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00015)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Natures Choice I-78 Soil 21	Natures Choice I-78 Soil 22	Turnpike Basin 8C IS-1	Turnpike Basin 8C IS-2
SAMPLE ID:				JB19432-21A	JB19432-22A	09383-024	09383-023
LAB ID:				10/16/12	10/16/12	9/17/12	9/17/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:				Result	Result	Result	Result
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00014)	ND (0.00011)	ND (0.00036)	ND (0.00036)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00018)	ND (0.00014)	ND (0.000251)	ND (0.000251)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00057)	ND (0.00045)	ND (0.0006)	ND (0.0006)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00023)	ND (0.00018)	ND (0.000218)	ND (0.000218)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00018)	ND (0.00014)	ND (0.000294)	ND (0.000294)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00034)	ND (0.00027)	ND (0.000545)	ND (0.000545)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00022)	ND (0.00017)	ND (0.000523)	ND (0.000523)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00015)	ND (0.000567)	ND (0.000567)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0012)	ND (0.00093)	ND (0.000545)	ND (0.000545)
1,2-Dibromoethane	NC	NC	NC	ND (0.00017)	ND (0.00013)	ND (0.000229)	ND (0.000229)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00025)	ND (0.00020)	ND (0.000392)	ND (0.000392)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00018)	ND (0.00014)	ND (0.000229)	ND (0.000229)
1,2-Dichloropropane	NC	NC	NC	ND (0.00021)	ND (0.00016)	ND (0.00024)	ND (0.00024)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00025)	ND (0.00020)	ND (0.000338)	ND (0.000338)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00024)	ND (0.00018)	ND (0.000338)	ND (0.000338)
1,4-Dioxane	0.1	NC	0.1	ND (0.079)	ND (0.062)	ND (0.017)	ND (0.017)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0032)	ND (0.0025)	ND (0.000403)	ND (0.000403)
2-Hexanone	NC	NC	NC	ND (0.00083)	ND (0.00065)	ND (0.000392)	ND (0.000392)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.0010)	ND (0.00078)	ND (0.000262)	ND (0.000262)
Acetone	0.05	NC	0.05	ND (0.0023)	ND (0.0018)	ND (0.000763)	ND (0.000763)
Benzene	0.06	NC	0.06	ND (0.00016)	ND (0.00012)	ND (0.000262)	ND (0.000262)
Bromochloromethane	NC	NC	NC	ND (0.00035)	ND (0.00028)	ND (0.000262)	ND (0.000262)
Bromodichloromethane	NC	NC	NC	ND (0.00014)	ND (0.00011)	ND (0.000349)	ND (0.000349)
Bromoform	NC	NC	NC	ND (0.00020)	ND (0.00016)	ND (0.000349)	ND (0.000349)
Bromomethane	NC	NC	NC	ND (0.00036)	ND (0.00029)	ND (0.000382)	ND (0.000382)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00016)	ND (0.00012)	ND (0.000371)	ND (0.000371)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00018)	ND (0.00014)	ND (0.000447)	ND (0.000447)
Chlorobenzene	1.1	NC	1.1	ND (0.00014)	ND (0.00011)	ND (0.00024)	ND (0.00024)
Chloroethane	NC	NC	NC	ND (0.00030)	ND (0.00024)	ND (0.000491)	ND (0.000491)
Chloroform	0.37	NC	0.37	ND (0.00011)	ND (0.000086)	ND (0.000316)	ND (0.000316)
Chloromethane	NC	NC	NC	ND (0.00025)	ND (0.00019)	ND (0.000447)	ND (0.000447)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00024)	ND (0.00019)	ND (0.000338)	ND (0.000338)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00019)	ND (0.00015)	ND (0.000283)	ND (0.000283)
Cyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00013)	ND (0.000458)	ND (0.000458)
Dibromochloromethane	NC	NC	NC	ND (0.00022)	ND (0.00017)	ND (0.00024)	ND (0.00024)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00030)	ND (0.00024)	ND (0.000436)	ND (0.000436)
Ethylbenzene	1	NC	1	ND (0.00035)	ND (0.00027)	ND (0.000338)	ND (0.000338)
Isopropylbenzene	NC	1,000	NC	ND (0.00099)	ND (0.00078)	ND (0.000447)	ND (0.000447)
m&p-Xylene	NC ¹	NC	NC	ND (0.00023)	ND (0.00018)	NA	NA
Methyl acetate	NC	NC	NC	ND (0.0035)	ND (0.0027)	ND (0.000632)	ND (0.000632)
Methylcyclohexane	NC	NC	NC	ND (0.00023)	ND (0.00018)	ND (0.000545)	ND (0.000545)
Methylene chloride	0.05	NC	0.05	ND (0.0017)	ND (0.0013)	ND (0.00216)	ND (0.00216)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00031)	ND (0.00025)	ND (0.000251)	ND (0.000251)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ¹	NC	NC	ND (0.00019)	ND (0.00015)	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00012)	ND (0.000096)	ND (0.000327)	ND (0.000327)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00023)	ND (0.00018)	ND (0.000283)	ND (0.000283)
Toluene	0.7	NC	0.7	ND (0.00014)	ND (0.00011)	ND (0.000273)	ND (0.000273)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00032)	ND (0.00025)	ND (0.000469)	ND (0.000469)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00021)	ND (0.00016)	ND (0.000283)	ND (0.000283)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00023)	ND (0.00018)	ND (0.000349)	ND (0.000349)
Trichlorofluoromethane	NC	NC	NC	ND (0.00040)	ND (0.00031)	ND (0.000447)	ND (0.000447)
Vinyl Chloride	0.02	NC	0.02	ND (0.00019)	ND (0.00015)	ND (0.000523)	ND (0.000523)
Xylene (Total)	1.6	NC	0.26	ND (0.00019)	ND (0.00015)	ND (0.00116)	ND (0.00116)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-3	Turnpike Basin 8C IS-4	Turnpike Basin 8C IS-5	Turnpike Basin 8C IS-6
SAMPLE ID:				09383-027	09383-021	09383-022	09383-025
LAB ID:				9/17/12	9/17/12	9/17/12	9/17/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:				Result	Result	Result	Result
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.000337)	ND (0.00034)	ND (0.000343)	ND (0.000353)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.000235)	ND (0.000237)	ND (0.000239)	ND (0.000246)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000561)	ND (0.000567)	ND (0.000572)	ND (0.000589)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000204)	ND (0.000206)	ND (0.000208)	ND (0.000214)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.000275)	ND (0.000278)	ND (0.000281)	ND (0.000289)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00051)	ND (0.000515)	ND (0.00052)	ND (0.000535)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00049)	ND (0.000494)	ND (0.000499)	ND (0.000514)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00053)	ND (0.000536)	ND (0.000541)	ND (0.000556)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00051)	ND (0.000515)	ND (0.00052)	ND (0.000535)
1,2-Dibromoethane	NC	NC	NC	ND (0.000214)	ND (0.000216)	ND (0.000218)	ND (0.000225)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.000367)	ND (0.000371)	ND (0.000374)	ND (0.000385)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000214)	ND (0.000216)	ND (0.000218)	ND (0.000225)
1,2-Dichloropropane	NC	NC	NC	ND (0.000224)	ND (0.000227)	ND (0.000229)	ND (0.000235)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000316)	ND (0.000319)	ND (0.000322)	ND (0.000332)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000316)	ND (0.000319)	ND (0.000322)	ND (0.000332)
1,4-Dioxane	0.1	NC	0.1	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.017)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000377)	ND (0.000381)	ND (0.000385)	ND (0.000396)
2-Hexanone	NC	NC	NC	ND (0.000367)	ND (0.000371)	ND (0.000374)	ND (0.000385)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000245)	ND (0.000247)	ND (0.00025)	ND (0.000257)
Acetone	0.05	NC	0.05	ND (0.000721)	ND (0.000721)	ND (0.000728)	ND (0.000749)
Benzene	0.06	NC	0.06	ND (0.000245)	ND (0.000247)	ND (0.00025)	ND (0.000257)
Bromochloromethane	NC	NC	NC	ND (0.000245)	ND (0.000247)	ND (0.00025)	ND (0.000257)
Bromodichloromethane	NC	NC	NC	ND (0.000326)	ND (0.00033)	ND (0.000333)	ND (0.000342)
Bromoform	NC	NC	NC	ND (0.000326)	ND (0.00033)	ND (0.000333)	ND (0.000342)
Bromomethane	NC	NC	NC	ND (0.000357)	ND (0.000361)	ND (0.000364)	ND (0.000375)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.000347)	ND (0.00035)	ND (0.000354)	ND (0.000364)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000418)	ND (0.000422)	ND (0.000426)	ND (0.000439)
Chlorobenzene	1.1	NC	1.1	ND (0.000224)	ND (0.000227)	ND (0.000229)	ND (0.000235)
Chloroethane	NC	NC	NC	ND (0.000459)	ND (0.000464)	ND (0.000468)	ND (0.000482)
Chloroform	0.37	NC	0.37	ND (0.000296)	ND (0.000299)	ND (0.000302)	ND (0.00031)
Chloromethane	NC	NC	NC	ND (0.000418)	ND (0.000422)	ND (0.000426)	ND (0.000439)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000316)	ND (0.000319)	ND (0.000322)	ND (0.000332)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000265)	ND (0.000268)	ND (0.00027)	ND (0.000278)
Cyclohexane	NC	NC	NC	ND (0.000428)	ND (0.000433)	ND (0.000437)	ND (0.000449)
Dibromochloromethane	NC	NC	NC	ND (0.000224)	ND (0.000227)	ND (0.000229)	ND (0.000235)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000408)	ND (0.000412)	ND (0.000416)	ND (0.000428)
Ethylbenzene	1	NC	1	ND (0.000316)	ND (0.000319)	ND (0.000322)	ND (0.000332)
Isopropylbenzene	NC	1,000	NC	ND (0.000418)	ND (0.000422)	ND (0.000426)	ND (0.000439)
m&p-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000592)	ND (0.000597)	ND (0.000603)	ND (0.000621)
Methylcyclohexane	NC	NC	NC	ND (0.00051)	ND (0.000515)	ND (0.00052)	ND (0.000535)
Methylene chloride	0.05	NC	0.05	ND (0.00202)	ND (0.00204)	ND (0.00206)	ND (0.00212)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000235)	ND (0.000237)	ND (0.000239)	ND (0.000246)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000306)	ND (0.000309)	ND (0.000312)	ND (0.000321)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000265)	ND (0.000268)	ND (0.00027)	ND (0.000278)
Toluene	0.7	NC	0.7	ND (0.000255)	ND (0.000258)	ND (0.00026)	ND (0.000268)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000439)	ND (0.000443)	ND (0.000447)	ND (0.00046)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000265)	ND (0.000268)	ND (0.00027)	ND (0.000278)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.000326)	ND (0.00033)	ND (0.000333)	ND (0.000342)
Trichlorofluoromethane	NC	NC	NC	ND (0.000418)	ND (0.000422)	ND (0.000426)	ND (0.000439)
Vinyl Chloride	0.02	NC	0.02	ND (0.00049)	ND (0.000494)	ND (0.000499)	ND (0.000514)
Xylene (Total)	1.6	NC	0.26	ND (0.00108)	ND (0.00109)	ND (0.0011)	ND (0.00113)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-7	Turnpike Basin 8C IS-8	Turnpike Basin 8C IS-9	Turnpike Basin 8C IS-10
SAMPLE ID:				09383-026	09383-028	09383-029	09383-030
LAB ID:				09383-026	09383-028	09383-029	09383-030
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.000337)	ND (0.000347)	ND (0.000337)	ND (0.00035)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.000235)	ND (0.000242)	ND (0.000235)	ND (0.000244)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000561)	ND (0.000578)	ND (0.000561)	ND (0.000583)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000204)	ND (0.00021)	ND (0.000204)	ND (0.000212)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.000275)	ND (0.000284)	ND (0.000275)	ND (0.000286)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00051)	ND (0.000525)	ND (0.00051)	ND (0.00053)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00049)	ND (0.000504)	ND (0.00049)	ND (0.000509)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00053)	ND (0.000546)	ND (0.00053)	ND (0.000551)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00051)	ND (0.000525)	ND (0.00051)	ND (0.00053)
1,2-Dibromoethane	NC	NC	NC	ND (0.000214)	ND (0.000221)	ND (0.000214)	ND (0.000223)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.000367)	ND (0.000378)	ND (0.000367)	ND (0.000382)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000214)	ND (0.000221)	ND (0.000214)	ND (0.000223)
1,2-Dichloropropane	NC	NC	NC	ND (0.000224)	ND (0.000231)	ND (0.000224)	ND (0.000233)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000316)	ND (0.000326)	ND (0.000316)	ND (0.000329)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000316)	ND (0.000326)	ND (0.000316)	ND (0.000329)
1,4-Dioxane	0.1	NC	0.1	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000377)	ND (0.000389)	ND (0.000377)	ND (0.000392)
2-Hexanone	NC	NC	NC	ND (0.000367)	ND (0.000378)	ND (0.000367)	ND (0.000382)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000245)	ND (0.000252)	ND (0.000245)	ND (0.000254)
Acetone	0.05	NC	0.05	ND (0.000686)	ND (0.000763)	ND (0.0007)	ND (0.000763)
Benzene	0.06	NC	0.06	ND (0.000245)	ND (0.000252)	ND (0.000245)	ND (0.000254)
Bromochloromethane	NC	NC	NC	ND (0.000245)	ND (0.000252)	ND (0.000245)	ND (0.000254)
Bromodichloromethane	NC	NC	NC	ND (0.000326)	ND (0.000336)	ND (0.000326)	ND (0.000339)
Bromoform	NC	NC	NC	ND (0.000326)	ND (0.000336)	ND (0.000326)	ND (0.000339)
Bromomethane	NC	NC	NC	ND (0.000357)	ND (0.000368)	ND (0.000357)	ND (0.000371)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.000347)	ND (0.000357)	ND (0.000347)	ND (0.00036)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000418)	ND (0.000431)	ND (0.000418)	ND (0.000435)
Chlorobenzene	1.1	NC	1.1	ND (0.000224)	ND (0.000231)	ND (0.000224)	ND (0.000233)
Chloroethane	NC	NC	NC	ND (0.000459)	ND (0.000473)	ND (0.000459)	ND (0.000477)
Chloroform	0.37	NC	0.37	ND (0.000296)	ND (0.000305)	ND (0.000296)	ND (0.000307)
Chloromethane	NC	NC	NC	ND (0.000418)	ND (0.000431)	ND (0.000418)	ND (0.000435)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000316)	ND (0.000326)	ND (0.000316)	ND (0.000329)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000265)	ND (0.000273)	ND (0.000265)	ND (0.000276)
Cyclohexane	NC	NC	NC	ND (0.000428)	ND (0.000441)	ND (0.000428)	ND (0.000445)
Dibromochloromethane	NC	NC	NC	ND (0.000224)	ND (0.000231)	ND (0.000224)	ND (0.000233)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000408)	ND (0.00042)	ND (0.000408)	ND (0.000424)
Ethylbenzene	1	NC	1	ND (0.000316)	ND (0.000326)	ND (0.000316)	ND (0.000329)
Isopropylbenzene	NC	1,000	NC	ND (0.000418)	ND (0.000431)	ND (0.000418)	ND (0.000435)
m&p-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000592)	ND (0.000609)	ND (0.000592)	ND (0.000615)
Methylcyclohexane	NC	NC	NC	ND (0.00051)	ND (0.000525)	ND (0.00051)	ND (0.00053)
Methylene chloride	0.05	NC	0.05	ND (0.00202)	ND (0.00208)	ND (0.00202)	ND (0.0021)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000235)	ND (0.000242)	ND (0.000235)	ND (0.000244)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000306)	ND (0.000315)	ND (0.000306)	ND (0.000318)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000265)	ND (0.000273)	ND (0.000265)	ND (0.000276)
Toluene	0.7	NC	0.7	ND (0.000255)	ND (0.000263)	ND (0.000255)	ND (0.000265)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000439)	ND (0.000452)	ND (0.000439)	ND (0.000456)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000265)	ND (0.000273)	ND (0.000265)	ND (0.000276)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.000326)	ND (0.000336)	ND (0.000326)	ND (0.000339)
Trichlorofluoromethane	NC	NC	NC	ND (0.000418)	ND (0.000431)	ND (0.000418)	ND (0.000435)
Vinyl Chloride	0.02	NC	0.02	ND (0.00049)	ND (0.000504)	ND (0.00049)	ND (0.000509)
Xylene (Total)	1.6	NC	0.26	ND (0.00108)	ND (0.00111)	ND (0.00108)	ND (0.00112)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-11	Turnpike Basin 8C IS-12	Turnpike Basin 8C IS-13	Turnpike Basin 8C IS-14
SAMPLE ID:				09383-012	09383-011	09383-020	09383-019
LAB ID:				9/17/12	9/17/12	9/17/12	9/17/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:				Result	Result	Result	Result
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.000327)	ND (0.00033)	ND (0.000323)	ND (0.00032)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.000228)	ND (0.00023)	ND (0.000225)	ND (0.000223)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000545)	ND (0.00055)	ND (0.000539)	ND (0.000534)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000198)	ND (0.0002)	ND (0.000196)	ND (0.000194)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.000267)	ND (0.00027)	ND (0.000265)	ND (0.000262)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.000495)	ND (0.0005)	ND (0.00049)	ND (0.000485)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.000475)	ND (0.00048)	ND (0.00047)	ND (0.000466)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.000515)	ND (0.00052)	ND (0.00051)	ND (0.000504)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.000495)	ND (0.0005)	ND (0.00049)	ND (0.000485)
1,2-Dibromoethane	NC	NC	NC	ND (0.000208)	ND (0.00021)	ND (0.000206)	ND (0.000204)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.000356)	ND (0.00036)	ND (0.000353)	ND (0.000349)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000208)	ND (0.00021)	ND (0.000206)	ND (0.000204)
1,2-Dichloropropane	NC	NC	NC	ND (0.000218)	ND (0.00022)	ND (0.000216)	ND (0.000213)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000307)	ND (0.00031)	ND (0.000304)	ND (0.000301)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000307)	ND (0.00031)	ND (0.000304)	ND (0.000301)
1,4-Dioxane	0.1	NC	0.1	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.015)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000366)	ND (0.00037)	ND (0.000363)	ND (0.000359)
2-Hexanone	NC	NC	NC	ND (0.000356)	ND (0.00036)	ND (0.000353)	ND (0.000349)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000238)	ND (0.00024)	ND (0.000235)	ND (0.000233)
Acetone	0.05	NC	0.05	ND (0.000693)	ND (0.0007)	ND (0.000686)	ND (0.000679)
Benzene	0.06	NC	0.06	ND (0.000238)	ND (0.00024)	ND (0.000235)	ND (0.000233)
Bromochloromethane	NC	NC	NC	ND (0.000238)	ND (0.00024)	ND (0.000235)	ND (0.000233)
Bromodichloromethane	NC	NC	NC	ND (0.000317)	ND (0.00032)	ND (0.000314)	ND (0.00031)
Bromoform	NC	NC	NC	ND (0.000317)	ND (0.00032)	ND (0.000314)	ND (0.00031)
Bromomethane	NC	NC	NC	ND (0.000347)	ND (0.00035)	ND (0.000343)	ND (0.00034)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.000337)	ND (0.00034)	ND (0.000333)	ND (0.00033)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000406)	ND (0.00041)	ND (0.000402)	ND (0.000398)
Chlorobenzene	1.1	NC	1.1	ND (0.000218)	ND (0.00022)	ND (0.000216)	ND (0.000213)
Chloroethane	NC	NC	NC	ND (0.000446)	ND (0.00045)	ND (0.000441)	ND (0.000437)
Chloroform	0.37	NC	0.37	ND (0.000287)	ND (0.00029)	ND (0.000284)	ND (0.000281)
Chloromethane	NC	NC	NC	ND (0.000406)	ND (0.00041)	ND (0.000402)	ND (0.000398)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000307)	ND (0.00031)	ND (0.000304)	ND (0.000301)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000257)	ND (0.00026)	ND (0.000255)	ND (0.000252)
Cyclohexane	NC	NC	NC	ND (0.000416)	ND (0.00042)	ND (0.000412)	ND (0.000407)
Dibromochloromethane	NC	NC	NC	ND (0.000218)	ND (0.00022)	ND (0.000216)	ND (0.000213)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000396)	ND (0.0004)	ND (0.000392)	ND (0.000388)
Ethylbenzene	1	NC	1	ND (0.000307)	ND (0.00031)	ND (0.000304)	ND (0.000301)
Isopropylbenzene	NC	1,000	NC	ND (0.000406)	ND (0.00041)	ND (0.000402)	ND (0.000398)
m&p-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000574)	ND (0.00058)	ND (0.000568)	ND (0.000563)
Methylcyclohexane	NC	NC	NC	ND (0.000495)	ND (0.0005)	ND (0.00049)	ND (0.000485)
Methylene chloride	0.05	NC	0.05	ND (0.00196)	ND (0.00198)	ND (0.00194)	ND (0.00192)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000228)	ND (0.00023)	ND (0.000225)	ND (0.000223)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000297)	ND (0.0003)	ND (0.000294)	ND (0.000291)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000257)	ND (0.00026)	ND (0.000255)	ND (0.000252)
Toluene	0.7	NC	0.7	ND (0.000248)	ND (0.00025)	ND (0.000245)	ND (0.000243)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000426)	ND (0.00043)	ND (0.000421)	ND (0.000417)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000257)	ND (0.00026)	ND (0.000255)	ND (0.000252)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.000317)	ND (0.00032)	ND (0.000314)	ND (0.00031)
Trichlorofluoromethane	NC	NC	NC	ND (0.000406)	ND (0.00041)	ND (0.000402)	ND (0.000398)
Vinyl Chloride	0.02	NC	0.02	ND (0.000475)	ND (0.00048)	ND (0.00047)	ND (0.000466)
Xylene (Total)	1.6	NC	0.26	ND (0.00105)	ND (0.00106)	ND (0.00104)	ND (0.00103)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-15	Turnpike Basin 8C IS-16	Turnpike Basin 8C IS-17	Turnpike Basin 8C IS-18
SAMPLE ID:				09383-018	09383-017	09383-016	09383-015
LAB ID:				9/17/12	9/17/12	9/17/12	9/17/12
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:				Result	Result	Result	Result
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.000366)	ND (0.00033)	ND (0.000366)	ND (0.00037)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.000255)	ND (0.00023)	ND (0.000255)	ND (0.000258)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000611)	ND (0.00055)	ND (0.000611)	ND (0.000616)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000222)	ND (0.0002)	ND (0.000222)	ND (0.000224)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.0003)	ND (0.00027)	ND (0.0003)	ND (0.000302)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.000555)	ND (0.0005)	ND (0.000555)	ND (0.00056)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.000533)	ND (0.00048)	ND (0.000533)	ND (0.000538)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.000557)	ND (0.00052)	ND (0.000557)	ND (0.000582)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.000555)	ND (0.0005)	ND (0.000555)	ND (0.00056)
1,2-Dibromoethane	NC	NC	NC	ND (0.000233)	ND (0.00021)	ND (0.000233)	ND (0.000235)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.0004)	ND (0.00036)	ND (0.0004)	ND (0.000403)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000233)	ND (0.00021)	ND (0.000233)	ND (0.000235)
1,2-Dichloropropane	NC	NC	NC	ND (0.000244)	ND (0.00022)	ND (0.000244)	ND (0.000246)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000344)	ND (0.00031)	ND (0.000344)	ND (0.000347)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000344)	ND (0.00031)	ND (0.000344)	ND (0.000347)
1,4-Dioxane	0.1	NC	0.1	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.018)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000411)	ND (0.00037)	ND (0.000411)	ND (0.000414)
2-Hexanone	NC	NC	NC	ND (0.0004)	ND (0.00036)	ND (0.0004)	ND (0.000403)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000266)	ND (0.00024)	ND (0.000266)	ND (0.000269)
Acetone	0.05	NC	0.05	ND (0.000777)	ND (0.0007)	ND (0.000777)	ND (0.000784)
Benzene	0.06	NC	0.06	ND (0.000266)	ND (0.00024)	ND (0.000266)	ND (0.000269)
Bromochloromethane	NC	NC	NC	ND (0.000266)	ND (0.00024)	ND (0.000266)	ND (0.000269)
Bromodichloromethane	NC	NC	NC	ND (0.000355)	ND (0.00032)	ND (0.000355)	ND (0.000358)
Bromoform	NC	NC	NC	ND (0.000355)	ND (0.00032)	ND (0.000355)	ND (0.000358)
Bromomethane	NC	NC	NC	ND (0.000389)	ND (0.00035)	ND (0.000389)	ND (0.000392)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.000377)	ND (0.00034)	ND (0.000377)	ND (0.000381)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000455)	ND (0.00041)	ND (0.000455)	ND (0.000459)
Chlorobenzene	1.1	NC	1.1	ND (0.000244)	ND (0.00022)	ND (0.000244)	ND (0.000246)
Chloroethane	NC	NC	NC	ND (0.0005)	ND (0.00045)	ND (0.0005)	ND (0.000504)
Chloroform	0.37	NC	0.37	ND (0.000322)	ND (0.00029)	ND (0.000322)	ND (0.000287)
Chloromethane	NC	NC	NC	ND (0.000455)	ND (0.00041)	ND (0.000455)	ND (0.000459)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000344)	ND (0.00031)	ND (0.000344)	ND (0.000347)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000289)	ND (0.00026)	ND (0.000289)	ND (0.000291)
Cyclohexane	NC	NC	NC	ND (0.000466)	ND (0.00042)	ND (0.000466)	ND (0.00047)
Dibromochloromethane	NC	NC	NC	ND (0.000244)	ND (0.00022)	ND (0.000244)	ND (0.000246)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000444)	ND (0.0004)	ND (0.000444)	ND (0.000448)
Ethylbenzene	1	NC	1	ND (0.000344)	ND (0.00031)	ND (0.000344)	ND (0.000347)
Isopropylbenzene	NC	1,000	NC	ND (0.000455)	ND (0.00041)	ND (0.000455)	ND (0.000459)
m&p-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000644)	ND (0.00058)	ND (0.000644)	ND (0.00065)
Methylcyclohexane	NC	NC	NC	ND (0.000555)	ND (0.0005)	ND (0.000555)	ND (0.00056)
Methylene chloride	0.05	NC	0.05	ND (0.0022)	ND (0.00198)	ND (0.0022)	ND (0.00222)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000255)	ND (0.00023)	ND (0.000255)	ND (0.000258)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000333)	ND (0.0003)	ND (0.000333)	ND (0.000336)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000289)	ND (0.00026)	ND (0.000289)	ND (0.000291)
Toluene	0.7	NC	0.7	ND (0.000278)	ND (0.00025)	ND (0.000278)	ND (0.00028)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000477)	ND (0.00043)	ND (0.000477)	ND (0.000482)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000289)	ND (0.00026)	ND (0.000289)	ND (0.000291)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.000355)	ND (0.00032)	ND (0.000355)	ND (0.000358)
Trichlorofluoromethane	NC	NC	NC	ND (0.000455)	ND (0.00041)	ND (0.000455)	ND (0.000459)
Vinyl Chloride	0.02	NC	0.02	ND (0.000533)	ND (0.00048)	ND (0.000533)	ND (0.000538)
Xylene (Total)	1.6	NC	0.26	ND (0.00118)	ND (0.00106)	ND (0.00118)	ND (0.00119)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-19	Turnpike Basin 8C IS-20	Turnpike Basin 8C IS-21	Turnpike Basin 8C IS-22
SAMPLE ID:				09383-014	09383-013	09383-010	09383-004
LAB ID:				09383-014	09383-013	09383-010	09383-004
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.000327)	ND (0.000337)	ND (0.000343)	ND (0.000366)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.000228)	ND (0.000235)	ND (0.000239)	ND (0.000255)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000545)	ND (0.000561)	ND (0.000572)	ND (0.000611)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000198)	ND (0.000204)	ND (0.000208)	ND (0.000222)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.000267)	ND (0.000275)	ND (0.000281)	ND (0.0003)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.000495)	ND (0.00051)	ND (0.00052)	ND (0.000555)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.000475)	ND (0.00049)	ND (0.000499)	ND (0.000533)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.000515)	ND (0.00053)	ND (0.000541)	ND (0.000557)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.000495)	ND (0.00051)	ND (0.00052)	ND (0.000555)
1,2-Dibromoethane	NC	NC	NC	ND (0.000208)	ND (0.000214)	ND (0.000218)	ND (0.000233)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.000356)	ND (0.000367)	ND (0.000374)	ND (0.0004)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000208)	ND (0.000214)	ND (0.000218)	ND (0.000233)
1,2-Dichloropropane	NC	NC	NC	ND (0.000218)	ND (0.000224)	ND (0.000229)	ND (0.000244)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000307)	ND (0.000316)	ND (0.000322)	ND (0.000344)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000307)	ND (0.000316)	ND (0.000322)	ND (0.000344)
1,4-Dioxane	0.1	NC	0.1	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.017)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000366)	ND (0.000377)	ND (0.000385)	ND (0.000411)
2-Hexanone	NC	NC	NC	ND (0.000356)	ND (0.000367)	ND (0.000374)	ND (0.0004)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000238)	ND (0.000245)	ND (0.00025)	ND (0.000266)
Acetone	0.05	NC	0.05	ND (0.000693)	ND (0.000714)	ND (0.000728)	ND (0.000777)
Benzene	0.06	NC	0.06	ND (0.000238)	ND (0.000245)	ND (0.00025)	ND (0.000266)
Bromochloromethane	NC	NC	NC	ND (0.000238)	ND (0.000245)	ND (0.00025)	ND (0.000266)
Bromodichloromethane	NC	NC	NC	ND (0.000317)	ND (0.000326)	ND (0.000333)	ND (0.000355)
Bromoform	NC	NC	NC	ND (0.000317)	ND (0.000326)	ND (0.000333)	ND (0.000355)
Bromomethane	NC	NC	NC	ND (0.000347)	ND (0.000357)	ND (0.000364)	ND (0.000389)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.000337)	ND (0.000347)	ND (0.000354)	ND (0.000377)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000406)	ND (0.000418)	ND (0.000426)	ND (0.000455)
Chlorobenzene	1.1	NC	1.1	ND (0.000218)	ND (0.000224)	ND (0.000229)	ND (0.000244)
Chloroethane	NC	NC	NC	ND (0.000446)	ND (0.000459)	ND (0.000468)	ND (0.0005)
Chloroform	0.37	NC	0.37	ND (0.000287)	ND (0.000296)	ND (0.000302)	ND (0.000322)
Chloromethane	NC	NC	NC	ND (0.000406)	ND (0.000418)	ND (0.000426)	ND (0.000455)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000307)	ND (0.000316)	ND (0.000322)	ND (0.000344)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000257)	ND (0.000265)	ND (0.00027)	ND (0.000289)
Cyclohexane	NC	NC	NC	ND (0.000416)	ND (0.000428)	ND (0.000437)	ND (0.000466)
Dibromochloromethane	NC	NC	NC	ND (0.000218)	ND (0.000224)	ND (0.000229)	ND (0.000244)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000396)	ND (0.000408)	ND (0.000416)	ND (0.000444)
Ethylbenzene	1	NC	1	ND (0.000307)	ND (0.000316)	ND (0.000322)	ND (0.000344)
Isopropylbenzene	NC	1,000	NC	ND (0.000406)	ND (0.000418)	ND (0.000426)	ND (0.000455)
m&p-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000574)	ND (0.000592)	ND (0.000603)	ND (0.000644)
Methylcyclohexane	NC	NC	NC	ND (0.000495)	ND (0.00051)	ND (0.00052)	ND (0.000555)
Methylene chloride	0.05	NC	0.05	ND (0.00196)	ND (0.00202)	ND (0.00206)	ND (0.0022)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000228)	ND (0.000235)	ND (0.000239)	ND (0.000255)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000297)	ND (0.000306)	ND (0.000312)	ND (0.000333)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000257)	ND (0.000265)	ND (0.00027)	ND (0.000289)
Toluene	0.7	NC	0.7	ND (0.000248)	ND (0.000255)	ND (0.00026)	ND (0.000278)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000426)	ND (0.000439)	ND (0.000447)	ND (0.000477)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000257)	ND (0.000265)	ND (0.00027)	ND (0.000289)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.000317)	ND (0.000326)	ND (0.000333)	ND (0.000355)
Trichlorofluoromethane	NC	NC	NC	ND (0.000406)	ND (0.000418)	ND (0.000426)	ND (0.000455)
Vinyl Chloride	0.02	NC	0.02	ND (0.000475)	ND (0.00049)	ND (0.000499)	ND (0.000533)
Xylene (Total)	1.6	NC	0.26	ND (0.00105)	ND (0.00108)	ND (0.00111)	ND (0.00118)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-23	Turnpike Basin 8C IS-24	Turnpike Basin 8C IS-25	Turnpike Basin 8C IS-26
SAMPLE ID:				09383-005	09383-006	09383-007	09383-008
LAB ID:				09383-005	09383-006	09383-007	09383-008
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.000366)	ND (0.00036)	ND (0.000363)	ND (0.000314)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.000255)	ND (0.000251)	ND (0.000253)	ND (0.000219)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000611)	ND (0.0006)	ND (0.000605)	ND (0.000523)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000222)	ND (0.000218)	ND (0.00022)	ND (0.00019)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.0003)	ND (0.000294)	ND (0.000297)	ND (0.000257)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.000555)	ND (0.000545)	ND (0.00055)	ND (0.000475)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.000533)	ND (0.000523)	ND (0.000528)	ND (0.000456)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.000557)	ND (0.000567)	ND (0.000572)	ND (0.000494)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.000555)	ND (0.000545)	ND (0.00055)	ND (0.000475)
1,2-Dibromoethane	NC	NC	NC	ND (0.000233)	ND (0.000229)	ND (0.000231)	ND (0.0002)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.0004)	ND (0.000392)	ND (0.000396)	ND (0.000342)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000233)	ND (0.000229)	ND (0.000231)	ND (0.0002)
1,2-Dichloropropane	NC	NC	NC	ND (0.000244)	ND (0.00024)	ND (0.000242)	ND (0.000209)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000344)	ND (0.000338)	ND (0.000341)	ND (0.000295)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000344)	ND (0.000338)	ND (0.000341)	ND (0.000295)
1,4-Dioxane	0.1	NC	0.1	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.015)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000411)	ND (0.000403)	ND (0.000407)	ND (0.000352)
2-Hexanone	NC	NC	NC	ND (0.0004)	ND (0.000392)	ND (0.000396)	ND (0.000342)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000266)	ND (0.000262)	ND (0.000264)	ND (0.000228)
Acetone	0.05	NC	0.05	ND (0.000777)	0.014	ND (0.00077)	ND (0.000665)
Benzene	0.06	NC	0.06	ND (0.000266)	ND (0.000262)	ND (0.000264)	ND (0.000228)
Bromochloromethane	NC	NC	NC	ND (0.000266)	ND (0.000262)	ND (0.000264)	ND (0.000228)
Bromodichloromethane	NC	NC	NC	ND (0.000355)	ND (0.000349)	ND (0.000352)	ND (0.000304)
Bromoform	NC	NC	NC	ND (0.000355)	ND (0.000349)	ND (0.000352)	ND (0.000304)
Bromomethane	NC	NC	NC	ND (0.000389)	ND (0.000382)	ND (0.000385)	ND (0.000333)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.000377)	ND (0.000371)	ND (0.000374)	ND (0.000323)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000455)	ND (0.000447)	ND (0.000451)	ND (0.00039)
Chlorobenzene	1.1	NC	1.1	ND (0.000244)	ND (0.00024)	ND (0.000242)	ND (0.000209)
Chloroethane	NC	NC	NC	ND (0.0005)	ND (0.000491)	ND (0.000495)	ND (0.000428)
Chloroform	0.37	NC	0.37	ND (0.000322)	ND (0.000316)	ND (0.000319)	ND (0.000276)
Chloromethane	NC	NC	NC	ND (0.000455)	ND (0.000447)	ND (0.000451)	ND (0.00039)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000344)	ND (0.000338)	ND (0.000341)	ND (0.000295)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000289)	ND (0.000283)	ND (0.000286)	ND (0.000247)
Cyclohexane	NC	NC	NC	ND (0.000466)	ND (0.000458)	ND (0.000462)	ND (0.000399)
Dibromochloromethane	NC	NC	NC	ND (0.000244)	ND (0.00024)	ND (0.000242)	ND (0.000209)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000444)	ND (0.000436)	ND (0.00044)	ND (0.00038)
Ethylbenzene	1	NC	1	ND (0.000344)	ND (0.000338)	ND (0.000341)	ND (0.000295)
Isopropylbenzene	NC	1,000	NC	ND (0.000455)	ND (0.000447)	ND (0.000451)	ND (0.00039)
m&p-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000644)	ND (0.000632)	ND (0.000638)	ND (0.000551)
Methylcyclohexane	NC	NC	NC	ND (0.000555)	ND (0.000545)	ND (0.00055)	ND (0.000475)
Methylene chloride	0.05	NC	0.05	ND (0.0022)	ND (0.00216)	ND (0.00218)	ND (0.00188)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000255)	ND (0.000251)	ND (0.000253)	ND (0.000219)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000333)	ND (0.000327)	ND (0.00033)	ND (0.000285)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000289)	ND (0.000283)	ND (0.000286)	ND (0.000247)
Toluene	0.7	NC	0.7	ND (0.000278)	ND (0.000273)	ND (0.000275)	ND (0.000238)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000477)	ND (0.000469)	ND (0.000473)	ND (0.000409)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000289)	ND (0.000283)	ND (0.000286)	ND (0.000247)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.000355)	ND (0.000349)	ND (0.000352)	ND (0.000304)
Trichlorofluoromethane	NC	NC	NC	ND (0.000455)	ND (0.000447)	ND (0.000451)	ND (0.00039)
Vinyl Chloride	0.02	NC	0.02	ND (0.000533)	ND (0.000523)	ND (0.000528)	ND (0.000456)
Xylene (Total)	1.6	NC	0.26	ND (0.00118)	ND (0.00116)	ND (0.00117)	ND (0.00101)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Turnpike Basin 8C IS-27	Turnpike Basin 8C IS-28	Turnpike Basin 8C IS-29	Turnpike Basin 8C IS-30
SAMPLE ID:				09383-009	09383-001	09383-002	09383-003
LAB ID:				09383-009	09383-001	09383-002	09383-003
COLLECTION DATE:				9/17/12	9/17/12	9/17/12	9/17/12
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00034)	ND (0.000409)	ND (0.000343)	ND (0.000353)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.000237)	ND (0.000285)	ND (0.000239)	ND (0.000246)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.000567)	ND (0.000682)	ND (0.000572)	ND (0.000589)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.000206)	ND (0.000248)	ND (0.000208)	ND (0.000214)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.000278)	ND (0.000335)	ND (0.000281)	ND (0.000289)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.000515)	ND (0.00062)	ND (0.00052)	ND (0.000535)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.000494)	ND (0.000595)	ND (0.000499)	ND (0.000514)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.000536)	ND (0.000645)	ND (0.000541)	ND (0.000556)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.000515)	ND (0.00062)	ND (0.00052)	ND (0.000535)
1,2-Dibromoethane	NC	NC	NC	ND (0.000216)	ND (0.00026)	ND (0.000218)	ND (0.000225)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.000371)	ND (0.000446)	ND (0.000374)	ND (0.000385)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.000216)	ND (0.00026)	ND (0.000218)	ND (0.000225)
1,2-Dichloropropane	NC	NC	NC	ND (0.000227)	ND (0.000273)	ND (0.000229)	ND (0.000235)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.000319)	ND (0.000384)	ND (0.000322)	ND (0.000332)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.000319)	ND (0.000384)	ND (0.000322)	ND (0.000332)
1,4-Dioxane	0.1	NC	0.1	ND (0.016)	ND (0.019)	ND (0.016)	ND (0.017)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.000381)	ND (0.000459)	ND (0.000385)	ND (0.000396)
2-Hexanone	NC	NC	NC	ND (0.000371)	ND (0.000446)	ND (0.000374)	ND (0.000385)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.000247)	ND (0.000298)	ND (0.00025)	ND (0.000257)
Acetone	0.05	NC	0.05	ND (0.000721)	ND (0.000868)	ND (0.000728)	ND (0.000749)
Benzene	0.06	NC	0.06	ND (0.000247)	ND (0.000298)	ND (0.00025)	ND (0.000257)
Bromochloromethane	NC	NC	NC	ND (0.000247)	ND (0.000298)	ND (0.00025)	ND (0.000257)
Bromodichloromethane	NC	NC	NC	ND (0.00033)	ND (0.000397)	ND (0.000333)	ND (0.000342)
Bromoform	NC	NC	NC	ND (0.00033)	ND (0.000397)	ND (0.000333)	ND (0.000342)
Bromomethane	NC	NC	NC	ND (0.000361)	ND (0.000434)	ND (0.000364)	ND (0.000375)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00035)	ND (0.000422)	ND (0.000354)	ND (0.000364)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.000422)	ND (0.000508)	ND (0.000426)	ND (0.000439)
Chlorobenzene	1.1	NC	1.1	ND (0.000227)	ND (0.000273)	ND (0.000229)	ND (0.000235)
Chloroethane	NC	NC	NC	ND (0.000464)	ND (0.000558)	ND (0.000468)	ND (0.000482)
Chloroform	0.37	NC	0.37	ND (0.000299)	ND (0.00036)	ND (0.000302)	ND (0.00031)
Chloromethane	NC	NC	NC	ND (0.000422)	ND (0.000508)	ND (0.000426)	ND (0.000439)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.000319)	ND (0.000384)	ND (0.000322)	ND (0.000332)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.000268)	ND (0.000322)	ND (0.00027)	ND (0.000278)
Cyclohexane	NC	NC	NC	ND (0.000433)	ND (0.000521)	ND (0.000437)	ND (0.000449)
Dibromochloromethane	NC	NC	NC	ND (0.000227)	ND (0.000273)	ND (0.000229)	ND (0.000235)
Dichlorodifluoromethane	NC	NC	NC	ND (0.000412)	ND (0.000496)	ND (0.000416)	ND (0.000428)
Ethylbenzene	1	NC	1	ND (0.000319)	ND (0.000384)	ND (0.000322)	ND (0.000332)
Isopropylbenzene	NC	1,000	NC	ND (0.000422)	ND (0.000508)	ND (0.000426)	ND (0.000439)
m&p-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
Methyl acetate	NC	NC	NC	ND (0.000597)	ND (0.000719)	ND (0.000603)	ND (0.000621)
Methylcyclohexane	NC	NC	NC	ND (0.000515)	ND (0.00062)	ND (0.00052)	ND (0.000535)
Methylene chloride	0.05	NC	0.05	ND (0.00204)	ND (0.00246)	ND (0.00206)	ND (0.00212)
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.000237)	ND (0.000285)	ND (0.000239)	ND (0.000246)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	NA	NA	NA	NA
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.000309)	ND (0.000372)	ND (0.000312)	ND (0.000321)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.000268)	ND (0.000322)	ND (0.00027)	ND (0.000278)
Toluene	0.7	NC	0.7	ND (0.000258)	ND (0.00031)	ND (0.00026)	ND (0.000268)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.000443)	ND (0.000533)	ND (0.000447)	ND (0.00046)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.000268)	ND (0.000322)	ND (0.00027)	ND (0.000278)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00033)	ND (0.000397)	ND (0.000333)	ND (0.000342)
Trichlorofluoromethane	NC	NC	NC	ND (0.000422)	ND (0.000508)	ND (0.000426)	ND (0.000439)
Vinyl Chloride	0.02	NC	0.02	ND (0.000494)	ND (0.000595)	ND (0.000499)	ND (0.000514)
Xylene (Total)	1.6	NC	0.26	ND (0.00109)	ND (0.00131)	ND (0.0011)	ND (0.00113)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayonne FD-1	Bayonne FD-2	Bayonne FD-3	Bayonne FD-4	
SAMPLE ID:				JB33052-1A	JB33052-2A	JB33052-3A	JB33052-4A	
LAB ID:				4/2/13	4/2/13	4/2/13	4/2/13	
COLLECTION DATE:				Soil	Soil	Soil	Soil	
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg	
UNITS:				Result	Result	Result	Result	
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result	
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00011)	ND (0.00013)	ND (0.00012)	ND (0.00013)	
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00014)	ND (0.00016)	ND (0.00014)	ND (0.00016)	
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00045)	ND (0.00051)	ND (0.00047)	ND (0.00051)	
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00018)	ND (0.00021)	ND (0.00019)	ND (0.00021)	
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00016)	
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00027)	ND (0.00031)	ND (0.00028)	ND (0.00031)	
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00020)	ND (0.00018)	ND (0.00020)	
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00015)	ND (0.00017)	
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.00093)	ND (0.0011)	ND (0.00097)	ND (0.0011)	
1,2-Dibromoethane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00014)	ND (0.00015)	
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00020)	ND (0.00023)	ND (0.00021)	ND (0.00023)	
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00014)	ND (0.00016)	ND (0.00015)	ND (0.00016)	
1,2-Dichloropropane	NC	NC	NC	ND (0.00016)	ND (0.00018)	ND (0.00017)	ND (0.00018)	
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00020)	ND (0.00022)	ND (0.00020)	ND (0.00022)	
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA	
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00018)	ND (0.00021)	ND (0.00019)	ND (0.00021)	
1,4-Dioxane	0.1	NC	0.1	ND (0.062)	ND (0.071)	ND (0.065)	ND (0.071)	
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0025)	ND (0.0029)	ND (0.0026)	ND (0.0028)	
2-Hexanone	NC	NC	NC	ND (0.00065)	ND (0.00074)	ND (0.00068)	ND (0.00074)	
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00079)	ND (0.00090)	ND (0.00082)	ND (0.00089)	
Acetone	0.05	NC	0.05	0.0021	J ND (0.0020)	0.0046	J ND (0.0020)	
Benzene	0.06	NC	0.06	ND (0.00012)	ND (0.00014)	ND (0.00013)	ND (0.00014)	
Bromochloromethane	NC	NC	NC	ND (0.00028)	ND (0.00032)	ND (0.00029)	ND (0.00032)	
Bromodichloromethane	NC	NC	NC	ND (0.00011)	ND (0.00013)	ND (0.00011)	ND (0.00013)	
Bromoform	NC	NC	NC	ND (0.00016)	ND (0.00018)	ND (0.00016)	ND (0.00018)	
Bromomethane	NC	NC	NC	ND (0.00029)	ND (0.00033)	ND (0.00030)	ND (0.00033)	
Butylbenzene	12	NC	12	NA	NA	NA	NA	
Carbon Disulfide	NC	1,000	NC	ND (0.00012)	ND (0.00014)	ND (0.00013)	ND (0.00014)	
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00014)	ND (0.00016)	ND (0.00014)	ND (0.00016)	
Chlorobenzene	1.1	NC	1.1	ND (0.00011)	ND (0.00013)	ND (0.00012)	ND (0.00013)	
Chloroethane	NC	NC	NC	ND (0.00024)	ND (0.00027)	ND (0.00025)	ND (0.00027)	
Chloroform	0.37	NC	0.37	ND (0.00087)	ND (0.00099)	ND (0.00090)	ND (0.00098)	
Chloromethane	NC	NC	NC	ND (0.00019)	ND (0.00022)	ND (0.00020)	ND (0.00022)	
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00019)	ND (0.00022)	ND (0.00020)	ND (0.00022)	
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00015)	ND (0.00017)	
Cyclohexane	NC	NC	NC	ND (0.00013)	ND (0.00015)	ND (0.00013)	ND (0.00015)	
Dibromochloromethane	NC	NC	NC	ND (0.00017)	ND (0.00020)	ND (0.00018)	ND (0.00020)	
Dichlorodifluoromethane	NC	NC	NC	ND (0.00024)	ND (0.00027)	ND (0.00025)	ND (0.00027)	
Ethylbenzene	1	NC	1	ND (0.00028)	ND (0.00031)	ND (0.00029)	ND (0.00031)	
Isopropylbenzene	NC	1,000	NC	ND (0.00078)	ND (0.00089)	ND (0.00081)	ND (0.00089)	
m&p-Xylene	NC ¹	NC	NC	ND (0.00018)	ND (0.00021)	ND (0.00019)	ND (0.00021)	
Methyl acetate	NC	NC	NC	ND (0.0027)	ND (0.0031)	ND (0.0028)	ND (0.0031)	
Methylcyclohexane	NC	NC	NC	ND (0.00018)	ND (0.00020)	ND (0.00018)	ND (0.00020)	
Methylene chloride	0.05	NC	0.05	0.0062	0.003	J 0.0067	0.0041	J
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00025)	ND (0.00028)	ND (0.00026)	ND (0.00028)	
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA	
o-Xylene	NC ¹	NC	NC	ND (0.00015)	ND (0.00017)	ND (0.00015)	ND (0.00017)	
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA	
Styrene	NC	NC	NC	ND (0.00096)	ND (0.00011)	ND (0.00010)	ND (0.00011)	
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA	
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00018)	ND (0.00021)	ND (0.00019)	ND (0.00020)	
Toluene	0.7	NC	0.7	ND (0.00011)	ND (0.00013)	ND (0.00011)	ND (0.00013)	
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00025)	ND (0.00028)	ND (0.00026)	ND (0.00028)	
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00016)	ND (0.00019)	ND (0.00017)	ND (0.00018)	
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00018)	ND (0.00021)	ND (0.00019)	ND (0.00021)	
Trichlorofluoromethane	NC	NC	NC	ND (0.00031)	ND (0.00036)	ND (0.00032)	ND (0.00035)	
Vinyl Chloride	0.02	NC	0.02	ND (0.00015)	ND (0.00017)	ND (0.00016)	ND (0.00017)	
Xylene (Total)	1.6	NC	0.26	ND (0.00015)	ND (0.00017)	ND (0.00015)	ND (0.00017)	

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

⁽¹⁾ - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

^(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

^(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayonne FD-5	Bayonne FD-6	Bayonne FD-7	Bayonne FD-8
SAMPLE ID:							
LAB ID:				JB33052-5A	JB33052-6A	JB33052-7A	JB33052-8A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00017)	ND (0.00016)	ND (0.00017)	ND (0.00016)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00056)	ND (0.00052)	ND (0.00055)	ND (0.00051)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00021)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00018)	ND (0.00016)	ND (0.00017)	ND (0.00016)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00033)	ND (0.00031)	ND (0.00033)	ND (0.00031)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00021)	ND (0.00020)	ND (0.00021)	ND (0.00020)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00017)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,2-Dibromoethane	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00024)	ND (0.00023)	ND (0.00024)	ND (0.00023)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00017)	ND (0.00016)	ND (0.00017)	ND (0.00016)
1,2-Dichloropropane	NC	NC	NC	ND (0.00020)	ND (0.00018)	ND (0.00020)	ND (0.00018)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00024)	ND (0.00022)	ND (0.00024)	ND (0.00022)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00021)
1,4-Dioxane	0.1	NC	0.1	ND (0.0077)	ND (0.0071)	ND (0.0076)	ND (0.0071)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0031)	ND (0.0029)	ND (0.0031)	ND (0.0029)
2-Hexanone	NC	NC	NC	ND (0.00080)	ND (0.00075)	ND (0.00079)	ND (0.00074)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00097)	ND (0.00090)	ND (0.00096)	ND (0.00090)
Acetone	0.05	NC	0.05	ND (0.0022)	ND (0.0020)	0.0028	J ND (0.0020)
Benzene	0.06	NC	0.06	ND (0.00015)	ND (0.00014)	ND (0.00015)	ND (0.00014)
Bromochloromethane	NC	NC	NC	ND (0.00034)	ND (0.00032)	ND (0.00034)	ND (0.00032)
Bromodichloromethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00013)	ND (0.00013)
Bromoform	NC	NC	NC	ND (0.00020)	ND (0.00018)	ND (0.00019)	ND (0.00018)
Bromomethane	NC	NC	NC	ND (0.00035)	ND (0.00033)	ND (0.00035)	ND (0.00033)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00015)	ND (0.00014)	ND (0.00015)	ND (0.00014)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00017)	ND (0.00016)	ND (0.00017)	ND (0.00016)
Chlorobenzene	1.1	NC	1.1	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00013)
Chloroethane	NC	NC	NC	ND (0.00029)	ND (0.00027)	ND (0.00029)	ND (0.00027)
Chloroform	0.37	NC	0.37	ND (0.00011)	ND (0.000099)	ND (0.00011)	ND (0.000099)
Chloromethane	NC	NC	NC	ND (0.00024)	ND (0.00022)	ND (0.00024)	ND (0.00022)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00024)	ND (0.00022)	ND (0.00023)	ND (0.00022)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00017)
Cyclohexane	NC	NC	NC	ND (0.00016)	ND (0.00015)	ND (0.00016)	ND (0.00015)
Dibromochloromethane	NC	NC	NC	ND (0.00021)	ND (0.00020)	ND (0.00021)	ND (0.00020)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00029)	ND (0.00027)	ND (0.00029)	ND (0.00027)
Ethylbenzene	1	NC	1	ND (0.00034)	ND (0.00032)	ND (0.00034)	ND (0.00031)
Isopropylbenzene	NC	1,000	NC	ND (0.000096)	ND (0.000089)	ND (0.000095)	ND (0.000089)
m&p-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00021)
Methyl acetate	NC	NC	NC	ND (0.0034)	ND (0.0031)	ND (0.0033)	ND (0.0031)
Methylcyclohexane	NC	NC	NC	ND (0.00022)	ND (0.00020)	ND (0.00022)	ND (0.00020)
Methylene chloride	0.05	NC	0.05	0.0039	J 0.0066	0.0088	0.0077
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00030)	ND (0.00028)	ND (0.00030)	ND (0.00028)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00017)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00011)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00022)	ND (0.00021)	ND (0.00022)	ND (0.00021)
Toluene	0.7	NC	0.7	ND (0.00014)	ND (0.00013)	ND (0.00013)	ND (0.00013)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00031)	ND (0.00029)	ND (0.00030)	ND (0.00028)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00020)	ND (0.00019)	ND (0.00020)	ND (0.00019)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00021)
Trichlorofluoromethane	NC	NC	NC	ND (0.00039)	ND (0.00036)	ND (0.00038)	ND (0.00036)
Vinyl Chloride	0.02	NC	0.02	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00017)
Xylene (Total)	1.6	NC	0.26	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00017)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayonne FD-9	Bayonne FD-10	Bayonne FD-11	Bayonne FD-12
SAMPLE ID:							
LAB ID:				JB33052-9A	JB33052-10A	JB33052-11A	JB33052-12A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00014)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00016)	ND (0.00016)	ND (0.00017)	ND (0.00018)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00051)	ND (0.00053)	ND (0.00054)	ND (0.00058)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00022)	ND (0.00023)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00016)	ND (0.00017)	ND (0.00017)	ND (0.00018)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00031)	ND (0.00032)	ND (0.00032)	ND (0.00035)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00020)	ND (0.00020)	ND (0.00021)	ND (0.00022)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00019)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.0012)
1,2-Dibromoethane	NC	NC	NC	ND (0.00015)	ND (0.00016)	ND (0.00016)	ND (0.00017)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00023)	ND (0.00023)	ND (0.00024)	ND (0.00026)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00016)	ND (0.00017)	ND (0.00017)	ND (0.00018)
1,2-Dichloropropane	NC	NC	NC	ND (0.00018)	ND (0.00019)	ND (0.00019)	ND (0.00021)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00022)	ND (0.00023)	ND (0.00023)	ND (0.00025)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00021)	ND (0.00022)	ND (0.00022)	ND (0.00024)
1,4-Dioxane	0.1	NC	0.1	ND (0.0071)	ND (0.0073)	ND (0.0075)	ND (0.0080)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0029)	ND (0.0030)	ND (0.0030)	ND (0.0032)
2-Hexanone	NC	NC	NC	ND (0.00074)	ND (0.00077)	ND (0.00078)	ND (0.00084)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00090)	ND (0.00093)	ND (0.00094)	ND (0.0010)
Acetone	0.05	NC	0.05	ND (0.0020)	ND (0.0021)	ND (0.0021)	ND (0.0023)
Benzene	0.06	NC	0.06	ND (0.00014)	ND (0.00015)	ND (0.00015)	ND (0.00016)
Bromochloromethane	NC	NC	NC	ND (0.00032)	ND (0.00033)	ND (0.00033)	ND (0.00036)
Bromodichloromethane	NC	NC	NC	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00014)
Bromoform	NC	NC	NC	ND (0.00018)	ND (0.00019)	ND (0.00019)	ND (0.00020)
Bromomethane	NC	NC	NC	ND (0.00033)	ND (0.00034)	ND (0.00034)	ND (0.00037)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00014)	ND (0.00014)	ND (0.00015)	ND (0.00016)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00016)	ND (0.00016)	ND (0.00017)	ND (0.00018)
Chlorobenzene	1.1	NC	1.1	ND (0.00013)	ND (0.00013)	ND (0.00014)	ND (0.00015)
Chloroethane	NC	NC	NC	ND (0.00027)	ND (0.00028)	ND (0.00028)	ND (0.00031)
Chloroform	0.37	NC	0.37	ND (0.000099)	ND (0.00010)	ND (0.00010)	ND (0.00011)
Chloromethane	NC	NC	NC	ND (0.00022)	ND (0.00023)	ND (0.00023)	ND (0.00025)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00022)	ND (0.00023)	ND (0.00023)	ND (0.00025)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00019)
Cyclohexane	NC	NC	NC	ND (0.00015)	ND (0.00015)	ND (0.00016)	ND (0.00017)
Dibromochloromethane	NC	NC	NC	ND (0.00020)	ND (0.00020)	ND (0.00021)	ND (0.00022)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00027)	ND (0.00028)	ND (0.00029)	ND (0.00031)
Ethylbenzene	1	NC	1	ND (0.00031)	ND (0.00032)	ND (0.00033)	ND (0.00035)
Isopropylbenzene	NC	1,000	NC	ND (0.000089)	ND (0.000092)	ND (0.000093)	ND (0.00010)
m&p-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00022)	ND (0.00023)
Methyl acetate	NC	NC	NC	ND (0.0031)	ND (0.0032)	ND (0.0033)	ND (0.0035)
Methylcyclohexane	NC	NC	NC	ND (0.00020)	ND (0.00021)	ND (0.00021)	ND (0.00023)
Methylene chloride	0.05	NC	0.05	0.0101	0.0101	0.0049	0.0066
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00028)	ND (0.00029)	ND (0.00029)	ND (0.00032)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00019)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00011)	ND (0.00011)	ND (0.00011)	ND (0.00012)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00021)	ND (0.00021)	ND (0.00022)	ND (0.00023)
Toluene	0.7	NC	0.7	ND (0.00013)	ND (0.00013)	ND (0.00013)	ND (0.00014)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00028)	ND (0.00029)	ND (0.00030)	ND (0.00032)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00019)	ND (0.00019)	ND (0.00019)	ND (0.00021)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00021)	ND (0.00021)	ND (0.00022)	ND (0.00023)
Trichlorofluoromethane	NC	NC	NC	ND (0.00036)	ND (0.00037)	ND (0.00037)	ND (0.00040)
Vinyl Chloride	0.02	NC	0.02	ND (0.00017)	ND (0.00018)	ND (0.00018)	ND (0.00019)
Xylene (Total)	1.6	NC	0.26	ND (0.00017)	ND (0.00017)	ND (0.00017)	ND (0.00019)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from New York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayonne FD-13	Bayonne FD-14	Bayonne FD-15	Bayonne FD-16
SAMPLE ID:				JB33052-13A	JB33052-14A	JB33052-15A	JB33052-16A
LAB ID:				4/2/13	4/2/13	4/2/13	4/2/13
COLLECTION DATE:				Soil	Soil	Soil	Soil
SAMPLE MATRIX:				mg/kg	mg/kg	mg/kg	mg/kg
UNITS:				Result	Result	Result	Result
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00018)	ND (0.00016)	ND (0.00017)	ND (0.00016)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00058)	ND (0.00052)	ND (0.00057)	ND (0.00053)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00021)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00018)	ND (0.00017)	ND (0.00018)	ND (0.00017)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00035)	ND (0.00031)	ND (0.00034)	ND (0.00031)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00022)	ND (0.00020)	ND (0.00022)	ND (0.00020)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00017)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0012)	ND (0.0011)	ND (0.0012)	ND (0.0011)
1,2-Dibromoethane	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00017)	ND (0.00016)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00026)	ND (0.00023)	ND (0.00025)	ND (0.00023)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00018)	ND (0.00016)	ND (0.00018)	ND (0.00017)
1,2-Dichloropropane	NC	NC	NC	ND (0.00021)	ND (0.00019)	ND (0.00020)	ND (0.00019)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00025)	ND (0.00023)	ND (0.00025)	ND (0.00023)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00024)	ND (0.00021)	ND (0.00023)	ND (0.00022)
1,4-Dioxane	0.1	NC	0.1	ND (0.080)	ND (0.072)	ND (0.078)	ND (0.073)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0032)	ND (0.0029)	ND (0.0031)	ND (0.0029)
2-Hexanone	NC	NC	NC	ND (0.00084)	ND (0.00076)	ND (0.00082)	ND (0.00076)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.0010)	ND (0.00091)	ND (0.00099)	ND (0.00092)
Acetone	0.05	NC	0.05	ND (0.0023)	ND (0.0021)	ND (0.0022)	ND (0.0021)
Benzene	0.06	NC	0.06	ND (0.00016)	ND (0.00014)	ND (0.00016)	ND (0.00015)
Bromochloromethane	NC	NC	NC	ND (0.00036)	ND (0.00032)	ND (0.00035)	ND (0.00032)
Bromodichloromethane	NC	NC	NC	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00013)
Bromoform	NC	NC	NC	ND (0.00020)	ND (0.00018)	ND (0.00020)	ND (0.00018)
Bromomethane	NC	NC	NC	ND (0.00037)	ND (0.00033)	ND (0.00036)	ND (0.00033)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00016)	ND (0.00014)	ND (0.00015)	ND (0.00014)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00018)	ND (0.00016)	ND (0.00018)	ND (0.00016)
Chlorobenzene	1.1	NC	1.1	ND (0.00015)	ND (0.00013)	ND (0.00014)	ND (0.00013)
Chloroethane	NC	NC	NC	ND (0.00031)	ND (0.00028)	ND (0.00030)	ND (0.00028)
Chloroform	0.37	NC	0.37	ND (0.00011)	ND (0.00010)	ND (0.00011)	ND (0.00010)
Chloromethane	NC	NC	NC	ND (0.00025)	ND (0.00023)	ND (0.00024)	ND (0.00023)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00025)	ND (0.00022)	ND (0.00024)	ND (0.00022)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00017)
Cyclohexane	NC	NC	NC	ND (0.00017)	ND (0.00015)	ND (0.00016)	ND (0.00015)
Dibromochloromethane	NC	NC	NC	ND (0.00022)	ND (0.00020)	ND (0.00022)	ND (0.00020)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00031)	ND (0.00028)	ND (0.00030)	ND (0.00028)
Ethylbenzene	1	NC	1	ND (0.00035)	ND (0.00032)	ND (0.00035)	ND (0.00032)
Isopropylbenzene	NC	1,000	NC	ND (0.00010)	ND (0.000090)	ND (0.000098)	ND (0.000091)
m&p-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00021)
Methyl acetate	NC	NC	NC	ND (0.0035)	ND (0.0032)	ND (0.0034)	ND (0.0032)
Methylcyclohexane	NC	NC	NC	ND (0.00023)	ND (0.00021)	ND (0.00022)	ND (0.00021)
Methylene chloride	0.05	NC	0.05	0.0068	0.0034	0.0053	0.0039
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00032)	ND (0.00029)	ND (0.00031)	ND (0.00029)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00017)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00012)	ND (0.00011)	ND (0.00012)	ND (0.00011)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00021)
Toluene	0.7	NC	0.7	ND (0.00014)	ND (0.00013)	ND (0.00014)	ND (0.00013)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00032)	ND (0.00029)	ND (0.00031)	ND (0.00029)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00021)	ND (0.00019)	ND (0.00020)	ND (0.00019)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00023)	ND (0.00021)	ND (0.00023)	ND (0.00021)
Trichlorofluoromethane	NC	NC	NC	ND (0.00040)	ND (0.00036)	ND (0.00039)	ND (0.00036)
Vinyl Chloride	0.02	NC	0.02	ND (0.00019)	ND (0.00018)	ND (0.00019)	ND (0.00018)
Xylene (Total)	1.6	NC	0.26	ND (0.00019)	ND (0.00017)	ND (0.00018)	ND (0.00017)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayonne FD-17	Bayonne FD-18	Bayonne FD-19	Bayonne FD-20
SAMPLE ID:							
LAB ID:				JB33052-17A	JB33052-18A	JB33052-19A	JB33052-20A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00013)	ND (0.00013)	ND (0.00014)	ND (0.00013)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00016)	ND (0.00016)	ND (0.00017)	ND (0.00017)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00051)	ND (0.00051)	ND (0.00057)	ND (0.00054)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00023)	ND (0.00022)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00016)	ND (0.00016)	ND (0.00018)	ND (0.00017)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00031)	ND (0.00031)	ND (0.00034)	ND (0.00032)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00019)	ND (0.00020)	ND (0.00022)	ND (0.00021)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00018)	ND (0.00017)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0011)	ND (0.0011)	ND (0.0012)	ND (0.0011)
1,2-Dibromoethane	NC	NC	NC	ND (0.00015)	ND (0.00015)	ND (0.00017)	ND (0.00016)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00022)	ND (0.00023)	ND (0.00025)	ND (0.00024)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00016)	ND (0.00016)	ND (0.00018)	ND (0.00017)
1,2-Dichloropropane	NC	NC	NC	ND (0.00018)	ND (0.00018)	ND (0.00020)	ND (0.00019)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00022)	ND (0.00022)	ND (0.00025)	ND (0.00024)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00021)	ND (0.00021)	ND (0.00023)	ND (0.00022)
1,4-Dioxane	0.1	NC	0.1	ND (0.0071)	ND (0.0071)	ND (0.0078)	ND (0.0075)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0028)	ND (0.0029)	ND (0.0031)	ND (0.0030)
2-Hexanone	NC	NC	NC	ND (0.00074)	ND (0.00074)	ND (0.00082)	ND (0.00078)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00089)	ND (0.00090)	ND (0.00099)	ND (0.00094)
Acetone	0.05	NC	0.05	ND (0.0020)	ND (0.0020)	ND (0.0022)	ND (0.0021)
Benzene	0.06	NC	0.06	ND (0.00014)	ND (0.00014)	ND (0.00016)	ND (0.00015)
Bromochloromethane	NC	NC	NC	ND (0.00031)	ND (0.00032)	ND (0.00035)	ND (0.00033)
Bromodichloromethane	NC	NC	NC	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
Bromoform	NC	NC	NC	ND (0.00018)	ND (0.00018)	ND (0.00020)	ND (0.00019)
Bromomethane	NC	NC	NC	ND (0.00032)	ND (0.00033)	ND (0.00036)	ND (0.00034)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00014)	ND (0.00014)	ND (0.00015)	ND (0.00015)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00016)	ND (0.00016)	ND (0.00017)	ND (0.00017)
Chlorobenzene	1.1	NC	1.1	ND (0.00013)	ND (0.00013)	ND (0.00014)	ND (0.00014)
Chloroethane	NC	NC	NC	ND (0.00027)	ND (0.00027)	ND (0.00030)	ND (0.00029)
Chloroform	0.37	NC	0.37	ND (0.00098)	ND (0.00099)	ND (0.00011)	ND (0.00010)
Chloromethane	NC	NC	NC	ND (0.00022)	ND (0.00022)	ND (0.00024)	ND (0.00023)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00022)	ND (0.00022)	ND (0.00024)	ND (0.00023)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00018)	ND (0.00017)
Cyclohexane	NC	NC	NC	ND (0.00015)	ND (0.00015)	ND (0.00016)	ND (0.00016)
Dibromochloromethane	NC	NC	NC	ND (0.00019)	ND (0.00020)	ND (0.00022)	ND (0.00021)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00027)	ND (0.00027)	ND (0.00030)	ND (0.00029)
Ethylbenzene	1	NC	1	ND (0.00031)	ND (0.00031)	ND (0.00035)	ND (0.00033)
Isopropylbenzene	NC	1,000	NC	ND (0.00088)	ND (0.00089)	ND (0.00098)	ND (0.00093)
m&p-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00023)	ND (0.00022)
Methyl acetate	NC	NC	NC	ND (0.0031)	ND (0.0031)	ND (0.0034)	ND (0.0033)
Methylcyclohexane	NC	NC	NC	ND (0.00020)	ND (0.00020)	ND (0.00022)	ND (0.00021)
Methylene chloride	0.05	NC	0.05	0.0024	J 0.0042	J 0.0049	J 0.0047
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00028)	ND (0.00028)	ND (0.00031)	ND (0.00030)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00018)	ND (0.00017)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00011)	ND (0.00011)	ND (0.00012)	ND (0.00012)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00020)	ND (0.00021)	ND (0.00023)	ND (0.00022)
Toluene	0.7	NC	0.7	ND (0.00012)	ND (0.00013)	ND (0.00014)	ND (0.00013)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00028)	ND (0.00028)	ND (0.00031)	ND (0.00030)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00018)	ND (0.00019)	ND (0.00020)	ND (0.00019)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00021)	ND (0.00021)	ND (0.00023)	ND (0.00022)
Trichlorofluoromethane	NC	NC	NC	ND (0.00035)	ND (0.00036)	ND (0.00039)	ND (0.00037)
Vinyl Chloride	0.02	NC	0.02	ND (0.00017)	ND (0.00017)	ND (0.00019)	ND (0.00018)
Xylene (Total)	1.6	NC	0.26	ND (0.00017)	ND (0.00017)	ND (0.00018)	ND (0.00017)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.

NEW YORK CLEAN FILL SOURCES
SPECTRA NY/NJ EXPANSION PROJECT
SUMMARY OF RESULTS OF ANALYSIS OF SOIL FOR VOLATILE ORGANIC COMPOUNDS

				Bayonne FD-21	Bayonne FD-22	Bayonne FD-DUP1	Bayonne FD-DUP2
SAMPLE ID:							
LAB ID:				JB33052-21A	JB33052-22A	JB33052-23A	JB33052-24A
COLLECTION DATE:				4/2/13	4/2/13	4/2/13	4/2/13
SAMPLE MATRIX:				Soil	Soil	Soil	Soil
UNITS:				mg/kg	mg/kg	mg/kg	mg/kg
VOLATILE ORGANIC COMPOUNDS (VOCs)	Commercial or Industrial ^(A)	CP-51 Supplemental SCOs ^(B)	NY Unrestricted Use	Result	Result	Result	Result
1,1,1-Trichloroethane (TCA)	0.68	NC	0.68	ND (0.00013)	ND (0.00014)	ND (0.00019)	ND (0.00013)
1,1,2,2-Tetrachloroethane	NC	NC	NC	ND (0.00017)	ND (0.00017)	ND (0.00024)	ND (0.00017)
1,1,2-Trichloro-1,2,2-trifluoroethane (113 Freon)	NC	1,000	NC	ND (0.00055)	ND (0.00055)	ND (0.00078)	ND (0.00054)
1,1,2-Trichloroethane	NC	NC	NC	ND (0.00022)	ND (0.00022)	ND (0.00032)	ND (0.00022)
1,1-Dichloroethane	0.27	NC	0.27	ND (0.00017)	ND (0.00018)	ND (0.00025)	ND (0.00017)
1,1-Dichloroethene	0.33	NC	0.33	ND (0.00033)	ND (0.00033)	ND (0.00047)	ND (0.00032)
1,2,3-Trichlorobenzene	NC	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00030)	ND (0.00021)
1,2,4-Trichlorobenzene	NC	NC	NC	ND (0.00018)	ND (0.00018)	ND (0.00025)	ND (0.00017)
1,2,4-Trimethylbenzene	3.6	NC	3.6	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	NC	NC	NC	ND (0.0011)	ND (0.0011)	ND (0.0016)	ND (0.0011)
1,2-Dibromoethane	NC	NC	NC	ND (0.00016)	ND (0.00016)	ND (0.00023)	ND (0.00016)
1,2-Dichlorobenzene	1.1	NC	1.1	ND (0.00024)	ND (0.00024)	ND (0.00034)	ND (0.00024)
1,2-Dichloroethane	0.02	NC	0.02	ND (0.00017)	ND (0.00017)	ND (0.00024)	ND (0.00017)
1,2-Dichloropropane	NC	NC	NC	ND (0.00020)	ND (0.00020)	ND (0.00028)	ND (0.00019)
1,3-Dichlorobenzene	2.4	NC	2.4	ND (0.00024)	ND (0.00024)	ND (0.00034)	ND (0.00023)
1,3,5-Trimethylbenzene	8.4	NC	8.4	NA	NA	NA	NA
1,4-Dichlorobenzene	1.8	NC	1.8	ND (0.00022)	ND (0.00023)	ND (0.00032)	ND (0.00022)
1,4-Dioxane	0.1	NC	0.1	ND (0.076)	ND (0.076)	ND (0.11)	ND (0.075)
2-Butanone (MEK)	0.12	1,000	NC	ND (0.0030)	ND (0.0031)	ND (0.0043)	ND (0.0030)
2-Hexanone	NC	NC	NC	ND (0.00079)	ND (0.00080)	ND (0.0011)	ND (0.00078)
4-Methyl-2-pentanone	NC	NC	NC	ND (0.00095)	ND (0.00097)	ND (0.0014)	ND (0.00094)
Acetone	0.05	NC	0.05	ND (0.0021)	ND (0.0022)	0.0037	J ND (0.0021)
Benzene	0.06	NC	0.06	ND (0.00015)	ND (0.00015)	ND (0.00022)	ND (0.00015)
Bromochloromethane	NC	NC	NC	ND (0.00034)	ND (0.00034)	ND (0.00048)	ND (0.00033)
Bromodichloromethane	NC	NC	NC	ND (0.00013)	ND (0.00013)	ND (0.00019)	ND (0.00013)
Bromoform	NC	NC	NC	ND (0.00019)	ND (0.00019)	ND (0.00027)	ND (0.00019)
Bromomethane	NC	NC	NC	ND (0.00035)	ND (0.00035)	ND (0.00049)	ND (0.00034)
Butylbenzene	12	NC	12	NA	NA	NA	NA
Carbon Disulfide	NC	1,000	NC	ND (0.00015)	ND (0.00015)	ND (0.00021)	ND (0.00015)
Carbon Tetrachloride	0.76	NC	0.76	ND (0.00017)	ND (0.00017)	ND (0.00024)	ND (0.00017)
Chlorobenzene	1.1	NC	1.1	ND (0.00014)	ND (0.00014)	ND (0.00020)	ND (0.00014)
Chloroethane	NC	NC	NC	ND (0.00029)	ND (0.00029)	ND (0.00041)	ND (0.00028)
Chloroform	0.37	NC	0.37	ND (0.00010)	ND (0.00011)	ND (0.00015)	ND (0.00010)
Chloromethane	NC	NC	NC	ND (0.00024)	ND (0.00024)	ND (0.00034)	ND (0.00023)
cis-1,2-Dichloroethene	0.25	NC	0.25	ND (0.00023)	ND (0.00024)	ND (0.00033)	ND (0.00023)
cis-1,3-Dichloropropene	NC	NC	NC	ND (0.00018)	ND (0.00018)	ND (0.00025)	ND (0.00017)
Cyclohexane	NC	NC	NC	ND (0.00016)	ND (0.00016)	ND (0.00022)	ND (0.00016)
Dibromochloromethane	NC	NC	NC	ND (0.00021)	ND (0.00021)	ND (0.00030)	ND (0.00021)
Dichlorodifluoromethane	NC	NC	NC	ND (0.00029)	ND (0.00029)	ND (0.00041)	ND (0.00029)
Ethylbenzene	1	NC	1	ND (0.00033)	ND (0.00034)	ND (0.00048)	ND (0.00033)
Isopropylbenzene	NC	1,000	NC	ND (0.00094)	ND (0.00095)	ND (0.00013)	ND (0.00093)
m&p-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00022)	ND (0.00022)	ND (0.00032)	ND (0.00022)
Methyl acetate	NC	NC	NC	ND (0.0033)	ND (0.0033)	ND (0.0047)	ND (0.0033)
Methylcyclohexane	NC	NC	NC	ND (0.00021)	ND (0.00022)	ND (0.00031)	ND (0.00021)
Methylene chloride	0.05	NC	0.05	0.0042	J ND (0.0016)	0.0058	J 0.0016
Methyl tert-butyl ether (MTBE)	0.93	NC	0.93	ND (0.00030)	ND (0.00030)	ND (0.00043)	ND (0.00029)
n-Propylbenzene	3.9	NC	3.9	NA	NA	NA	NA
o-Xylene	NC ⁽¹⁾	NC	NC	ND (0.00018)	ND (0.00018)	ND (0.00025)	ND (0.00017)
sec-Butylbenzene	11	NC	11	NA	NA	NA	NA
Styrene	NC	NC	NC	ND (0.00012)	ND (0.00012)	ND (0.00017)	ND (0.00012)
Tert-Butylbenzene	5.9	NC	5.9	NA	NA	NA	NA
Tetrachloroethene (PCE)	1.3	NC	1.3	ND (0.00022)	ND (0.00022)	ND (0.00031)	ND (0.00022)
Toluene	0.7	NC	0.7	ND (0.00013)	ND (0.00013)	ND (0.00019)	ND (0.00013)
trans-1,2-Dichloroethene	0.19	NC	0.19	ND (0.00030)	ND (0.00031)	ND (0.00043)	ND (0.00030)
trans-1,3-Dichloropropene	NC	NC	NC	ND (0.00020)	ND (0.00020)	ND (0.00028)	ND (0.00019)
Trichloroethene (TCE)	0.47	NC	0.47	ND (0.00022)	ND (0.00022)	ND (0.00032)	ND (0.00022)
Trichlorofluoromethane	NC	NC	NC	ND (0.00038)	ND (0.00038)	ND (0.00054)	ND (0.00037)
Vinyl Chloride	0.02	NC	0.02	ND (0.00018)	ND (0.00019)	ND (0.00026)	ND (0.00018)
Xylene (Total)	1.6	NC	0.26	ND (0.00018)	ND (0.00018)	ND (0.00025)	ND (0.00017)

mg/Kg - Milligrams per kilogram

NC - No criterion

SCO - Soil Cleanup Objective

(1) - There is no SCO for m/p xylene or o-xylene. The Industrial Use SCO for total xylenes is 1.6 shown unless otherwise noted.

(A) - Criteria is from York State Department of Environmental Conservation (NYSDEC) DER 10

(B) - Criteria is from New York State Department of Environmental Conservation (NYSDEC)

NA - Not Analyzed

< - Analyte not detected above the reporting limit.