



AKRF, Inc.  
440 Park Avenue South New York, NY 10016  
212-696-0670

Submitted to:

**Algin Management Co., LLC**  
**64-35 Yellowstone Boulevard**  
**Forest Hills, NY 11375**

## REMEDIAL WORK PLAN ADDENDUM

**West 61<sup>st</sup> Street Site**  
New York, New York

Project Number: 10321  
BCP ID 231043

**JUNE 2006**



*Environmental and Planning Consultants*

34 South Broadway  
White Plains, New York 10601  
tel: 914-949-7336  
fax: 914-949-7559  
[www.akrf.com](http://www.akrf.com)

June 30, 2006

Mr. Shaminder Chawla  
Division of Environmental Remediation  
NYSDEC-Region 2  
47-40 21st Street  
Long Island City, New York 11101

Re: Remediation Work Plan Addendum  
West 61st Street Site  
BCP ID C231043

Dear Mr.Chawla:

AKRF, Inc. is pleased to provide the New York State Department of Environmental Conservation (NYSDEC) with two copies of this addendum to the March 2006 Remediation Work Plan (RWP). This addendum includes the following modifications and amendments to the RWP:

- RWP Appendix P – This appendix includes the final stipulation letter-agreement, approved by our client.
- RWP Table 2 (Revised) – Some of the Site Specific Soil Action Levels (SSSALs) have been revised based on comments from the NYSDEC.
- RWP Tables 4A, 4B, 4C, 4D, 4E, 4F, and 4G – These tables provide parameter rankings for volatile organic compounds, semi-volatile organic compounds, total carcinogenic poly-cyclic aromatic hydrocarbons, arsenic, chromium, lead, and mercury for the samples collected during the Remedial Investigation.
- RWP Figure 14REV – The soil removal depths in the Court Yard area have been extended downward to the native soil interface based on the results of the Waste Characterization Sampling for the purpose of achieving a Track 1 Cleanup.
- RWP Figure 16 – This figure depicts the thickness of the historic fill throughout the site.
- RWP Appendix Q – This appendix contains an Erosion and Sediment Control Plan. (A Stormwater Pollution Prevention Plan [SWPPP] is not required for this site.)
- RWP Appendix R – This appendix consists of the May 25, 2006 and June 16, 2006 letters with attachments that provides the preliminary results of the petroleum delineation, waste characterization,

and endpoint samples collected in March and April of this year. The analytical results and findings are included in this letter.

- RWP Appendix A, Sub-Appendix F- This Revised Expanded Community Air Monitoring Odor/Vapor Control Plan was prepared in accordance with NYSDEC comments and replaces the previous Expanded Community Air Monitoring Odor/Vapor Control Plan included in both the March 2006 Remediation Health and Safety Plan and the February 2006 Interim Remedial Measure Health and Safety Plan.

If you have any questions, regarding this material, please contact AKRF Project Manager Richard Gardineer, P.E. at (914) 922-2369 or me at (646) 388-9520.

Sincerely,  
AKRF, Inc.

Micelle Lapin, P.E.  
Senior Vice President

cc: Ms. Julia Guastella, NYSDOH  
Mr. David Freeman, Paul, Hastings, Janofsky, and Walker, LLP  
Mr. Bennet Schonfeld, Algin Management Company, LLC

# West 61<sup>st</sup> Street Site

NEW YORK, NEW YORK

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## Remediation Work Plan Addendum

**NYSDEC BCP Number: C231043**

**AKRF Project Number: 10321**

**Prepared for:**

Algin Management Company, LLC  
64-35 Yellowstone Boulevard  
Forest Hills, New York 11375

**Prepared by:**



**AKRF Engineering, P.C.**  
440 Park Avenue South  
New York, NY 10016  
212-696-0670

**Reviewed and Approved by:**

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**JUNE 2006**

**Table 2 (Revised 6/21/06)  
Site Specific Soil Action Levels  
West 61<sup>st</sup> Street, New York, NY**

<b>Compound</b>	<b>Action Level (mg/kg)</b>	<b>Source</b>
Lead	1,000	Site Specific Action Level
Mercury	2	Site Specific Action Level
Arsenic	18	Site Specific Action Level
Chromium	40	Site Specific Action Level
Benzene	0.06	TAGM #4046
Toluene	1.5	TAGM #4046
Ethylbenzene	5.5	TAGM #4046
O-xylene	1.2	TAGM #4046
M/P-xylene	0.6	TAGM #4046
Naphthalene	13.0	TAGM #4046
Total VOCs	10.0	TAGM #4046
Individual VOC	TAGM #4046	TAGM #4046
Total SVOCs	200	Site Specific Action Level
PCB	1	TAGM #4046
Pesticides/Herbicides: Heptachlor epoxide 4,4' DDD	0.02 2.9	TAGM #4046
Other Criteria	Petroleum-contaminated soil	DER-10

Notes:

mg/kg = milligrams per kilogram

TAGM #4046 = New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum #4046 – Determination of Soil Cleanup Objectives and Cleanup Levels.

VOCs = volatile organic compounds

SVOCs = semi-volatile organic compounds

DER – Division of Environmental Remediation

TABLE 4A  
PARAMETER RANKING  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK

**Ranking of Total VOCs in Ascending Concentration**

Parameter NYSDEC-RSCO	Total VOCs 10,000 ug/Kg	Total SVOCs 500,000 ug/Kg	cPAHs ug/Kg	Lead 500 mg/Kg	Arsenic 12 mg/Kg	Mercury 0.2 mg/Kg	Chromium 40 mg/Kg
MW-2(12-14)	ND	ND	ND	18.3	2.3	0.058	16.3
B/MW-5(5-7)	ND	2,099	814	48.3	ND	0.072	14
MW-8(13-15)	ND	278	ND	133	2.5	0.099	<b>107</b>
B-12(2-4)	ND	10,160	4,990	<b>1,760</b>	10.1	<b>0.34</b>	17.7
B-12(11-13)	ND	ND	ND	<b>786</b>	4.2	0.18	22.3
B-18(28-30)	ND	ND	ND	6.8	1.6	ND	13.9
B-15(13-13.5)	0.8	ND	ND	7.7	4.6	0.021	17.3
B-10(0.5-2.5)	1.2	73,380	22,510	277	3	0.14	10.4
B-11(25-27)	2	5,093	2,714	153	4.7	0.02	26.9
B-11(0-2)	2.4	4,108	1,380	364	<b>14.6</b>	0.12	11.2
MW-8(0-2)	2.5	2,110	390	510	4.4	<b>1.5</b>	27.6
MW-9(12-14)	3.9	ND	ND	6	2.7	0.018	9
B-11(12-14)	3.9	658	276	672	4.6	<b>0.43</b>	19.1
B-16(10-12)	4.4	57,320	17,180	134	3.7	<b>0.7</b>	17.5
B-15(0-2)	4.6	3,920	1,020	232	5.5	0.13	27
B-17(14-16)	6.3	243,260	105,600	<b>2580</b>	7.7	<b>0.81</b>	15.1
MW-1(0-2)	7.3	31,110	15,260	<b>803</b>	7.4	<b>0.87</b>	15.8
B/MW-3(7-9)	7.5	93	ND	427	2.7	0.16	15.3
B-12(0-2)	7.8	26,590	13,360	<b>1,500</b>	<b>16.6</b>	<b>0.27</b>	32.9
B/MW-5(0-2)	8	2,627	162	56.9	3.3	0.19	11.3
B-14(15-17)	8	698	215	20.6	1.4	0.064	179
MW-1(15-17)	8.6	ND	ND	7.7	4.1	0.039	13
B-14(20-22)	8.9	ND	ND	31.8	3.1	0.11	14.2
B-16(24-26)	8.9	188	ND	27	2.4	0.051	25.2
B-13(0-2)	9.2	135,170	58,500	<b>821</b>	<b>12.9</b>	<b>0.54</b>	12.2
MW-9(0-2)	9.5	ND	ND	6	3.2	ND	17.1
B-10(15-15.5)	12	ND	ND	85.1	1.6	<b>0.46</b>	13.1
B-16(0-2)	12.2	3,060	980	84.2	9.6	0.087	20.4
MW-6(15-17)	13	ND	ND	32.4	1.8	0.083	25.2
B-17(0-2)	13	5,160	6,668	27.9	1.8	0.077	7.6
B-18(14.5-16.5)	17	ND	ND	25.6	1.7	<b>0.21</b>	12.1
B-18(0-2)	23	41,320	14,660	88.2	3.8	0.096	15.1
MW-2(0-2)	26.4	104,710	44,000	475	<b>16.8</b>	<b>0.3</b>	17.2
MW-7(6-8)	34.5	43,770	18,258	292	6.3	<b>0.36</b>	21
MW-4(0-2)	38.3	1,590	410	89.2	2.5	ND	3.8
MW-6(2-4)	63.6	4,980	470	90.5	5	<b>0.59</b>	105
B/MW-3(0-2)	64.9	16,138	7,450	<b>2,980</b>	11.3	<b>2.5</b>	18.4
B-14(0-2)	90.2	43,800	8,700	423	5.5	0.11	<b>53.6</b>
B-13(6-8)	220	1,402	714	498	5	<b>0.33</b>	12.9
MW-4(12-14)	292.9	ND	ND	70.6	3.4	0.15	13.1
MW-7(0-2)	771	21,240	13,540	417	3.7	0.17	19
B-17(18-20)	8,900	800	ND	18.9	3.5	0.029	<b>278</b>

Note: The VOC, SVOC, and cPAH concentrations are in parts per billion (ug/Kg); the metal concentrations are in parts per million (mg/Kg).  
Concentrations above the TAGM #4046 RSCO values are marked in bold.  
ND- Not detected in the sample.

TABLE 4B  
PARAMETER RANKING  
WEST 61<sup>st</sup> STREET SITE  
NEW YORK, NEW YORK

Ranking of Total SVOCs in Ascending Order

Parameter NYSDEC-RSCO	Total SVOCs 500,000 ug/Kg	Total VOCs 10,000 ug/Kg	cPAHs ug/Kg	Lead 500 mg/Kg	Arsenic 12 mg/Kg	Mercury 0.2 mg/Kg	Chromium 40 mg/Kg
MW-1(15-17)	ND	8.6	ND	7.7	4.1	0.039	13
MW-2(12-14)	ND	ND	ND	18.3	2.3	0.058	16.3
MW-4(12-14)	ND	292.9	ND	70.6	3.4	0.15	13.1
MW-6(15-17)	ND	13	ND	32.4	1.8	0.083	25.2
MW-9(0-2)	ND	9.5	ND	6	3.2	ND	17.1
MW-9(12-14)	ND	3.9	ND	6	2.7	0.018	9
B-10(15-15.5)	ND	12	ND	85.1	1.6	<b>0.46</b>	13.1
B-12(11-13)	ND	ND	ND	<b>786</b>	4.2	0.18	22.3
B-14(20-22)	ND	8.9	ND	31.8	3.1	0.11	14.2
B-15(13-13.5)	ND	0.8	ND	7.7	4.6	0.021	17.3
B-18(14.5-16.5)	ND	17	ND	25.6	1.7	<b>0.21</b>	12.1
B-18(28-30)	ND	ND	ND	6.8	1.6	ND	13.9
B/MW-3(7-9)	93	7.5	ND	427	2.7	0.16	15.3
B-16(24-26)	188	8.9	ND	27	2.4	0.051	25.2
MW-8(13-15)	278	ND	ND	133	2.5	0.099	<b>107</b>
B-11(12-14)	658	3.9	276	672	4.6	<b>0.43</b>	19.1
B-14(15-17)	698	8	215	20.6	1.4	0.064	179
B-17(18-20)	800	8,900	ND	18.9	3.5	0.029	<b>278</b>
B-13(6-8)	1,402	220	714	498	5	<b>0.33</b>	12.9
MW-4(0-2)	1,590	38.3	410	89.2	2.5	ND	3.8
B/MW-5(5-7)	2,099	ND	814	48.3	ND	0.072	14
MW-8(0-2)	2,110	2.5	390	510	4.4	<b>1.5</b>	27.6
B/MW-5(0-2)	2,627	8	162	56.9	3.3	0.19	11.3
B-16(0-2)	3,060	12.2	980	84.2	9.6	0.087	20.4
B-15(0-2)	3,920	4.6	1,020	232	5.5	0.13	27
B-11(0-2)	4,108	2.4	1,380	364	<b>14.6</b>	0.12	11.2
MW-6(2-4)	4,980	63.6	470	90.5	5	<b>0.59</b>	105
B-11(25-27)	5,093	2	2,714	153	4.7	0.02	26.9
B-17(0-2)	5,160	13	6,668	27.9	1.8	0.077	7.6
B-12(2-4)	10,160	ND	4,990	<b>1,760</b>	10.1	<b>0.34</b>	17.7
B/MW-3(0-2)	16,138	64.9	7,450	<b>2,980</b>	11.3	<b>2.5</b>	18.4
MW-7(0-2)	21,240	771	13,540	417	3.7	0.17	19
B-12(0-2)	26,590	7.8	13,360	<b>1,500</b>	<b>16.6</b>	<b>0.27</b>	32.9
MW-1(0-2)	31,110	7.3	15,260	<b>803</b>	7.4	<b>0.87</b>	15.8
B-18(0-2)	41,320	23	14,660	88.2	3.8	0.096	15.1
MW-7(6-8)	43,770	34.5	18,258	292	6.3	<b>0.36</b>	21
B-14(0-2)	43,800	90.2	8,700	423	5.5	0.11	<b>53.6</b>
B-16(10-12)	57,320	4.4	17,180	134	3.7	<b>0.7</b>	17.5
B-10(0.5-2.5)	73,380	1.2	22,510	277	3	0.14	10.4
MW-2(0-2)	104,710	26.4	44,000	475	<b>16.8</b>	<b>0.3</b>	17.2
B-13(0-2)	135,170	9.2	58,500	<b>821</b>	<b>12.9</b>	<b>0.54</b>	12.2
B-17(14-16)	243,260	6.3	105,600	<b>2580</b>	7.7	<b>0.81</b>	15.1

Note: The VOC, SVOC, and cPAH concentrations are in parts per billion (ug/Kg); the metal concentrations are in parts per million (mg/Kg).  
Concentrations above the TAGM #4046 RSCO values are marked in bold.  
ND- Not detected in the sample.

TABLE 4C  
PARAMETER RANKING  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK

Ranking of cPAHs in Ascending Order

Parameter NYSDEC-RSCO	cPAHs ug/Kg	Total VOCs 10,000 ug/Kg	Total SVOCs 500,000 ug/Kg	Lead 500 mg/Kg	Arsenic 12 mg/Kg	Mercury 0.2 mg/Kg	Chromium 40 mg/Kg
MW-1(15-17)	ND	8.6	ND	7.7	4.1	0.039	13
MW-2(12-14)	ND	ND	ND	18.3	2.3	0.058	16.3
B/MW-3(7-9)	ND	7.5	93	427	2.7	0.16	15.3
MW-4(12-14)	ND	292.9	ND	70.6	3.4	0.15	13.1
MW-6(15-17)	ND	13	ND	32.4	1.8	<b>0.083</b>	25.2
MW-8(13-15)	ND	ND	278	133	2.5	0.099	<b>107</b>
MW-9(0-2)	ND	9.5	ND	6	3.2	ND	17.1
MW-9(12-14)	ND	3.9	ND	6	2.7	0.018	9
B-10(15-15.5)	ND	12	ND	85.1	1.6	<b>0.46</b>	13.1
B-12(11-13)	ND	ND	ND	<b>786</b>	4.2	0.18	22.3
B-15(13-13.5)	ND	0.8	ND	7.7	4.6	0.021	17.3
B-16(24-26)	ND	8.9	188	27	2.4	0.051	25.2
B-17(18-20)	ND	8,900	800	18.9	3.5	0.029	<b>278</b>
B-18(14.5-16.5)	ND	17	ND	25.6	1.7	<b>0.21</b>	12.1
B-18(28-30)	ND	ND	ND	6.8	1.6	ND	13.9
B/MW-5(0-2)	162	8	2,627	56.9	3.3	0.19	11.3
B-14(15-17)	215	8	698	20.6	1.4	0.064	179
B-11(12-14)	276	3.9	658	672	4.6	<b>0.43</b>	19.1
MW-8(0-2)	390	2.5	2,110	510	4.4	<b>1.5</b>	27.6
MW-4(0-2)	410	38.3	1,590	89.2	2.5	ND	3.8
MW-6(2-4)	470	63.6	4,980	90.5	5	<b>0.59</b>	105
B-13(6-8)	714	220	1,402	498	5	<b>0.33</b>	12.9
B/MW-5(5-7)	814	ND	2,099	48.3	ND	0.072	14
B-16(0-2)	980	12.2	3,060	84.2	9.6	0.087	20.4
B-15(0-2)	1,020	4.6	3,920	232	5.5	0.13	27
B-11(0-2)	1,380	2.4	4,108	364	<b>14.6</b>	0.12	11.2
B-11(25-27)	2,714	2	5,093	153	4.7	0.02	26.9
B-12(2-4)	4,990	ND	10,160	<b>1,760</b>	10.1	<b>0.34</b>	17.7
B-17(0-2)	6,668	13	5,160	27.9	1.8	0.077	7.6
B/MW-3(0-2)	7,450	64.9	16,138	<b>2,980</b>	11.3	<b>2.5</b>	18.4
B-14(0-2)	8,700	90.2	43,800	423	5.5	0.11	<b>53.6</b>
B-12(0-2)	13,360	7.8	26,590	<b>1,500</b>	<b>16.6</b>	<b>0.27</b>	32.9
MW-7(0-2)	13,540	771	21,240	417	3.7	0.17	19
B-18(0-2)	14,660	23	41,320	88.2	3.8	0.096	15.1
MW-1(0-2)	15,260	7.3	31,110	<b>803</b>	7.4	<b>0.87</b>	15.8
B-16(10-12)	17,180	4.4	57,320	134	3.7	<b>0.7</b>	17.5
MW-7(6-8)	18,258	34.5	43,770	292	6.3	<b>0.36</b>	21
B-10(0.5-2.5)	22,510	1.2	73,380	277	3	0.14	10.4
MW-2(0-2)	44,000	26.4	104,710	475	<b>16.8</b>	<b>0.3</b>	17.2
B-13(0-2)	58,500	9.2	135,170	<b>821</b>	<b>12.9</b>	<b>0.54</b>	12.2
B-17(14-16)	105,600	6.3	243,260	<b>2580</b>	7.7	<b>0.81</b>	15.1
B-14(20-22)	ND	8.9	ND	31.8	3.1	0.11	14.2

Note: The VOC, SVOC, and cPAH concentrations are in parts per billion (ug/Kg); the metal concentrations are in parts per million (mg/Kg).  
Concentrations above the TAGM #4046 RSCO values are marked in bold.  
ND- Not detected in the sample.



TABLE 4D  
PARAMETER RANKING  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK

Ranking of Arsenic in Ascending Concentration

Parameter NYSDEC-RSCO	Arsenic 12 mg/Kg	Total VOCs 10,000 ug/Kg	Total SVOCs 500,000 ug/Kg	cPAHs ug/Kg	Lead 500 mg/Kg	Mercury 0.12 mg/Kg	Chromium 40 mg/Kg
B/MW-5(5-7)	ND	ND	2,099	814	48.3	0.072	14
B-14(15-17)	1.4	8	698	215	20.6	0.064	179
B-10(15-15.5)	1.6	12	ND	ND	85.1	<b>0.46</b>	13.1
B-18(28-30)	1.6	ND	ND	ND	6.8	ND	13.9
B-18(14.5-16.5)	1.7	17	ND	ND	25.6	<b>0.21</b>	12.1
MW-6(15-17)	1.8	13	ND	ND	32.4	<b>0.083</b>	25.2
B-17(0-2)	1.8	13	5,160	6,668	27.9	0.077	7.6
MW-2(12-14)	2.3	ND	ND	ND	18.3	0.058	16.3
B-16(24-26)	2.4	8.9	188	ND	27	0.051	25.2
MW-4(0-2)	2.5	38.3	1,590	410	89.2	ND	3.8
MW-8(13-15)	2.5	ND	278	ND	133	0.099	<b>107</b>
B/MW-3(7-9)	2.7	7.5	93	ND	427	0.16	15.3
MW-9(12-14)	2.7	3.9	ND	ND	6	0.018	9
B-10(0.5-2.5)	3	1.2	73,380	22,510	277	0.14	10.4
B-14(20-22)	3.1	8.9	ND	ND	31.8	0.11	14.2
MW-9(0-2)	3.2	9.5	ND	ND	6	ND	17.1
B/MW-5(0-2)	3.3	8	2,627	162	56.9	0.19	11.3
MW-4(12-14)	3.4	292.9	ND	ND	70.6	0.15	13.1
B-17(18-20)	3.5	8,900	800	ND	18.9	0.029	<b>278</b>
MW-7(0-2)	3.7	771	21,240	13,540	417	0.17	19
B-16(10-12)	3.7	4.4	57,320	17,180	134	<b>0.7</b>	17.5
B-18(0-2)	3.8	23	41,320	14,660	88.2	0.096	15.1
MW-1(15-17)	4.1	8.6	ND	ND	7.7	0.039	13
B-12(11-13)	4.2	ND	ND	ND	<b>786</b>	0.18	22.3
MW-8(0-2)	4.4	2.5	2,110	390	510	<b>1.5</b>	27.6
B-11(12-14)	4.6	3.9	658	276	672	<b>0.43</b>	19.1
B-15(13-13.5)	4.6	0.8	ND	ND	7.7	0.021	17.3
B-11(25-27)	4.7	2	5,093	2,714	153	0.02	26.9
MW-6(2-4)	5	63.6	4,980	470	90.5	<b>0.59</b>	105
B-13(6-8)	5	220	1,402	714	498	<b>0.33</b>	12.9
B-14(0-2)	5.5	90.2	43,800	8,700	423	0.11	<b>53.6</b>
B-15(0-2)	5.5	4.6	3,920	1,020	232	0.13	27
MW-7(6-8)	6.3	34.5	43,770	18,258	292	<b>0.36</b>	21
MW-1(0-2)	7.4	7.3	31,110	15,260	<b>803</b>	<b>0.87</b>	15.8
B-17(14-16)	7.7	6.3	243,260	105,600	<b>2580</b>	<b>0.81</b>	15.1
B-16(0-2)	9.6	12.2	3,060	980	84.2	0.087	20.4
B-12(2-4)	10.1	ND	10,160	4,990	<b>1,760</b>	<b>0.34</b>	17.7
B/MW-3(0-2)	11.3	64.9	16,138	7,450	<b>2,980</b>	<b>2.5</b>	18.4
B-13(0-2)	<b>12.9</b>	9.2	135,170	58,500	<b>821</b>	<b>0.54</b>	12.2
B-11(0-2)	<b>14.6</b>	2.4	4,108	1,380	364	0.12	11.2
B-12(0-2)	<b>16.6</b>	7.8	26,590	13,360	<b>1,500</b>	<b>0.27</b>	32.9
MW-2(0-2)	<b>16.8</b>	26.4	104,710	44,000	475	<b>0.3</b>	17.2

Note: The VOC, SVOC, and cPAH concentrations are in parts per billion (ug/Kg); the metal concentrations are in parts per million (mg/Kg).  
Concentrations above the TAGM #4046 RSCO values are marked in bold.  
ND- Not detected in the sample.

TBLE 4E  
PARAMETER RANKING  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK

Ranking of Chromium in Ascending Concentration

Parameter NYSDEC-RSCO	Chromium mg/Kg	40	Total VOCs 10,000 ug/Kg	Total SVOCs 500,000 ug/Kg	cPAHs ug/Kg	Lead 500 mg/Kg	Arsenic 12 mg/Kg	Mercury 0.2 mg/Kg
MW-4(0-2)	3.8		38.3	1,590	410	89.2	2.5	ND
B-17(0-2)	7.6		13	5,160	6,668	27.9	1.8	0.077
MW-9(12-14)	9		3.9	ND	ND	6	2.7	0.018
B-10(0.5-2.5)	10.4		1.2	73,380	22,510	277	3	0.14
B-11(0-2)	11.2		2.4	4,108	1,380	364	<b>14.6</b>	0.12
B/MW-5(0-2)	11.3		8	2,627	162	56.9	3.3	0.19
B-18(14.5-16.5)	12.1		17	ND	ND	25.6	1.7	<b>0.21</b>
B-13(0-2)	12.2		9.2	135,170	58,500	<b>821</b>	<b>12.9</b>	<b>0.54</b>
B-13(6-8)	12.9		220	1,402	714	498	5	<b>0.33</b>
MW-1(15-17)	13		8.6	ND	ND	7.7	4.1	0.039
MW-4(12-14)	13.1		292.9	ND	ND	70.6	3.4	0.15
B-10(15-15.5)	13.1		12	ND	ND	85.1	1.6	<b>0.46</b>
B-18(28-30)	13.9		ND	ND	ND	6.8	1.6	ND
B/MW-5(5-7)	14		ND	2,099	814	48.3	ND	0.072
B-14(20-22)	14.2		8.9	ND	ND	31.8	3.1	0.11
B-17(14-16)	15.1		6.3	243,260	105,600	<b>2580</b>	7.7	<b>0.81</b>
B-18(0-2)	15.1		23	41,320	14,660	88.2	3.8	0.096
B/MW-3(7-9)	15.3		7.5	93	ND	427	2.7	0.16
MW-1(0-2)	15.8		7.3	31,110	15,260	<b>803</b>	7.4	<b>0.87</b>
MW-2(12-14)	16.3		ND	ND	ND	18.3	2.3	0.058
MW-9(0-2)	17.1		9.5	ND	ND	6	3.2	ND
MW-2(0-2)	17.2		26.4	104,710	44,000	475	<b>16.8</b>	<b>0.3</b>
B-15(13-13.5)	17.3		0.8	ND	ND	7.7	4.6	0.021
B-16(10-12)	17.5		4.4	57,320	17,180	134	3.7	<b>0.7</b>
B-12(2-4)	17.7		ND	10,160	4,990	<b>1,760</b>	10.1	<b>0.34</b>
B/MW-3(0-2)	18.4		64.9	16,138	7,450	<b>2,980</b>	11.3	<b>2.5</b>
MW-7(0-2)	19		771	21,240	13,540	417	3.7	0.17
B-11(12-14)	19.1		3.9	658	276	672	4.6	<b>0.43</b>
B-16(0-2)	20.4		12.2	3,060	980	84.2	9.6	0.087
MW-7(6-8)	21		34.5	43,770	18,258	292	6.3	<b>0.36</b>
B-12(11-13)	22.3		ND	ND	ND	<b>786</b>	4.2	0.18
MW-6(15-17)	25.2		13	ND	ND	32.4	1.8	<b>0.083</b>
B-16(24-26)	25.2		8.9	188	ND	27	2.4	0.051
B-11(25-27)	26.9		2	5,093	2,714	153	4.7	0.02
B-15(0-2)	27		4.6	3,920	1,020	232	5.5	0.13
MW-8(0-2)	27.6		2.5	2,110	390	510	4.4	<b>1.5</b>
B-12(0-2)	32.9		7.8	26,590	13,360	<b>1,500</b>	<b>16.6</b>	<b>0.27</b>
B-14(0-2)	<b>53.6</b>		90.2	43,800	8,700	423	5.5	0.11
MW-6(2-4)	105		63.6	4,980	470	90.5	5	<b>0.59</b>
MW-8(13-15)	<b>107</b>		ND	278	ND	133	2.5	0.099
B-14(15-17)	179		8	698	215	20.6	1.4	0.064
B-17(18-20)	<b>278</b>		8,900	800	ND	18.9	3.5	0.029

Note: The VOC, SVOC, and cPAH concentrations are in parts per billion (ug/Kg); the metal concentrations are in parts per million (mg/Kg).  
Concentrations above the TAGM #4046 RSCO values are marked in bold.  
ND- Not detected in the sample.

TABLE 4F  
PARAMETER RANKING  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK

**Ranking of Lead in Ascending Concentration**

Parameter NYSDEC-RSCO	Lead 500 mg/Kg	Total VOCs 10,000 ug/Kg	Total SVOCs 500,000 ug/Kg	cPAHs ug/Kg	Arsenic 12 mg/Kg	Mercury 0.2 mg/Kg	Chromium 40 mg/Kg
MW-9(0-2)	6	9.5	ND	ND	3.2	ND	17.1
MW-9(12-14)	6	3.9	ND	ND	2.7	0.018	9
B-18(28-30)	6.8	ND	ND	ND	1.6	ND	13.9
MW-1(15-17)	7.7	8.6	ND	ND	4.1	0.039	13
B-15(13-13.5)	7.7	0.8	ND	ND	4.6	0.021	17.3
MW-2(12-14)	18.3	ND	ND	ND	2.3	0.058	16.3
B-17(18-20)	18.9	8,900	800	ND	3.5	0.029	<b>278</b>
B-14(15-17)	20.6	8	698	215	1.4	0.064	179
B-18(14.5-16.5)	25.6	17	ND	ND	1.7	<b>0.21</b>	12.1
B-16(24-26)	27	8.9	188	ND	2.4	0.051	25.2
B-17(0-2)	27.9	13	5,160	6,668	1.8	0.077	7.6
B-14(20-22)	31.8	8.9	ND	ND	3.1	0.11	14.2
MW-6(15-17)	32.4	13	ND	ND	1.8	<b>0.083</b>	25.2
B/MW-5(5-7)	48.3	ND	2,099	814	ND	0.072	14
B/MW-5(0-2)	56.9	8	2,627	162	3.3	0.19	11.3
MW-4(12-14)	70.6	292.9	ND	ND	3.4	0.15	13.1
B-16(0-2)	84.2	12.2	3,060	980	9.6	0.087	20.4
B-10(15-15.5)	85.1	12	ND	ND	1.6	<b>0.46</b>	13.1
B-18(0-2)	88.2	23	41,320	14,660	3.8	0.096	15.1
MW-4(0-2)	89.2	38.3	1,590	410	2.5	ND	3.8
MW-6(2-4)	90.5	63.6	4,980	470	5	<b>0.59</b>	105
MW-8(13-15)	133	ND	278	ND	2.5	0.099	<b>107</b>
B-16(10-12)	134	4.4	57,320	17,180	3.7	<b>0.7</b>	17.5
B-11(25-27)	153	2	5,093	2,714	4.7	0.02	26.9
B-15(0-2)	232	4.6	3,920	1,020	5.5	0.13	27
B-10(0.5-2.5)	277	1.2	73,380	22,510	3	0.14	10.4
MW-7(6-8)	292	34.5	43,770	18,258	6.3	<b>0.36</b>	21
B-11(0-2)	364	2.4	4,108	1,380	<b>14.6</b>	0.12	11.2
MW-7(0-2)	417	771	21,240	13,540	3.7	0.17	19
B-14(0-2)	423	90.2	43,800	8,700	5.5	0.11	<b>53.6</b>
B/MW-3(7-9)	427	7.5	93	ND	2.7	0.16	15.3
MW-2(0-2)	475	26.4	104,710	44,000	<b>16.8</b>	<b>0.3</b>	17.2
B-13(6-8)	498	220	1,402	714	5	<b>0.33</b>	12.9
MW-8(0-2)	510	2.5	2,110	390	4.4	<b>1.5</b>	27.6
B-11(12-14)	672	3.9	658	276	4.6	<b>0.43</b>	19.1
B-12(11-13)	<b>786</b>	ND	ND	ND	4.2	0.18	22.3
MW-1(0-2)	<b>803</b>	7.3	31,110	15,260	7.4	<b>0.87</b>	15.8
B-13(0-2)	<b>821</b>	9.2	135,170	58,500	<b>12.9</b>	<b>0.54</b>	12.2
B-12(0-2)	<b>1,500</b>	7.8	26,590	13,360	<b>16.6</b>	<b>0.27</b>	32.9
B-12(2-4)	<b>1,760</b>	ND	10,160	4,990	10.1	<b>0.34</b>	17.7
B-17(14-16)	<b>2580</b>	6.3	243,260	105,600	7.7	<b>0.81</b>	15.1
B/MW-3(0-2)	<b>2,980</b>	64.9	16,138	7,450	11.3	<b>2.5</b>	18.4

Note: The VOC, SVOC, and cPAH concentrations are in parts per billion (ug/Kg); the metal concentrations are in parts per million (mg/Kg).  
Concentrations above the TAGM #4046 RSCO values are marked in bold.  
ND- Not detected in the sample.

TABLE 4G  
PARAMETER RANKING  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK

**Ranking of Mercury in Ascending Concentration**

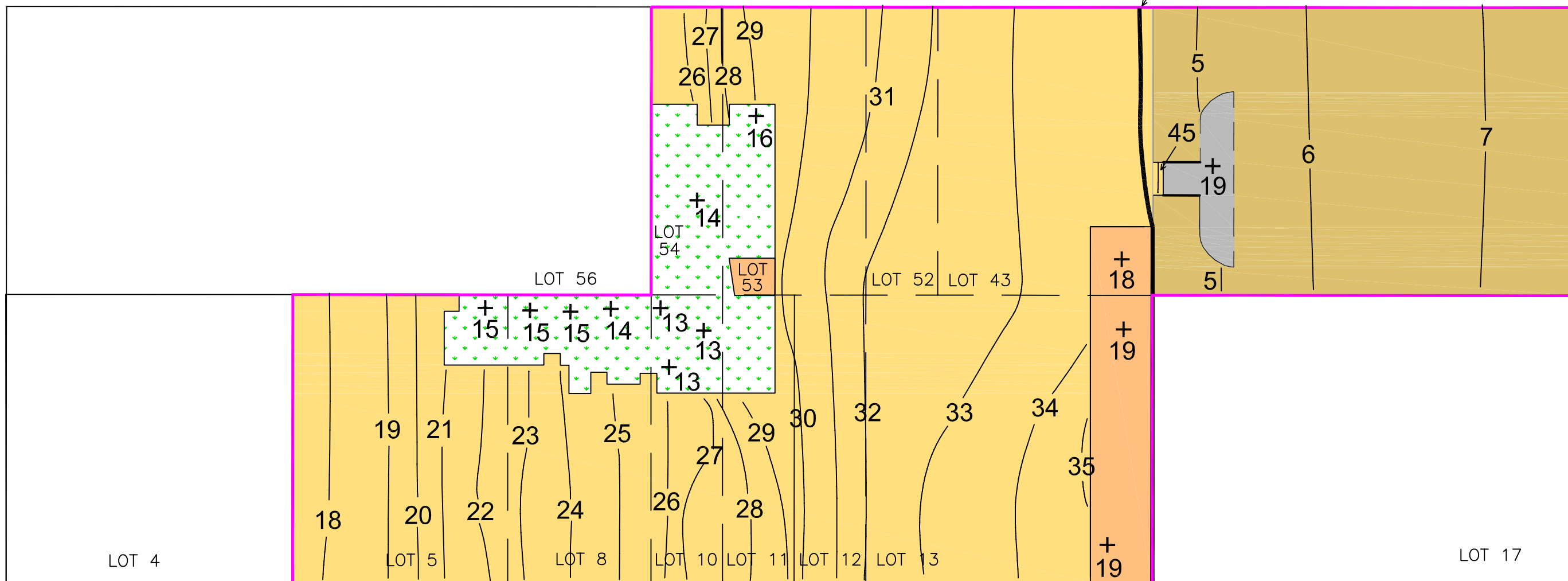
Parameter NYSDEC-RSCO	Mercury 0.2 mg/Kg	Total VOCs 10,000 ug/Kg	Total SVOCs 500,000 ug/Kg	cPAHs ug/Kg	Lead 500 mg/Kg	Arsenic 12 mg/Kg	Chromium 40 mg/Kg
MW-4(0-2)	ND	38.3	1,590	410	89.2	2.5	3.8
MW-9(0-2)	ND	9.5	ND	ND	6	3.2	17.1
B-18(28-30)	ND	ND	ND	ND	6.8	1.6	13.9
MW-9(12-14)	0.018	3.9	ND	ND	6	2.7	9
B-11(25-27)	0.02	2	5,093	2,714	153	4.7	26.9
B-15(13-13.5)	0.021	0.8	ND	ND	7.7	4.6	17.3
B-17(18-20)	0.029	8,900	800	ND	18.9	3.5	<b>278</b>
MW-1(15-17)	0.039	8.6	ND	ND	7.7	4.1	13
B-16(24-26)	0.051	8.9	188	ND	27	2.4	25.2
MW-2(12-14)	0.058	ND	ND	ND	18.3	2.3	16.3
B-14(15-17)	0.064	8	698	215	20.6	1.4	179
B/MW-5(5-7)	0.072	ND	2,099	814	48.3	ND	14
B-17(0-2)	0.077	13	5,160	6,668	27.9	1.8	7.6
MW-6(15-17)	<b>0.083</b>	13	ND	ND	32.4	1.8	25.2
B-16(0-2)	0.087	12.2	3,060	980	84.2	9.6	20.4
B-18(0-2)	0.096	23	41,320	14,660	88.2	3.8	15.1
MW-8(13-15)	0.099	ND	278	ND	133	2.5	<b>107</b>
B-14(0-2)	0.11	90.2	43,800	8,700	423	5.5	<b>53.6</b>
B-14(20-22)	0.11	8.9	ND	ND	31.8	3.1	14.2
B-11(0-2)	0.12	2.4	4,108	1,380	364	<b>14.6</b>	11.2
B-15(0-2)	0.13	4.6	3,920	1,020	232	5.5	27
B-10(0.5-2.5)	0.14	1.2	73,380	22,510	277	3	10.4
MW-4(12-14)	0.15	292.9	ND	ND	70.6	3.4	13.1
B/MW-3(7-9)	0.16	7.5	93	ND	427	2.7	15.3
MW-7(0-2)	0.17	771	21,240	13,540	417	3.7	19
B-12(11-13)	0.18	ND	ND	ND	<b>786</b>	4.2	22.3
B/MW-5(0-2)	0.19	8	2,627	162	56.9	3.3	11.3
B-18(14.5-16.5)	<b>0.21</b>	17	ND	ND	25.6	1.7	12.1
B-12(0-2)	<b>0.27</b>	7.8	26,590	13,360	<b>1,500</b>	<b>16.6</b>	32.9
MW-2(0-2)	<b>0.3</b>	26.4	104,710	44,000	475	<b>16.8</b>	17.2
B-13(6-8)	<b>0.33</b>	220	1,402	714	498	5	12.9
B-12(2-4)	<b>0.34</b>	ND	10,160	4,990	<b>1,760</b>	10.1	17.7
MW-7(6-8)	<b>0.36</b>	34.5	43,770	18,258	292	6.3	21
B-11(12-14)	<b>0.43</b>	3.9	658	276	672	4.6	19.1
B-10(15-15.5)	<b>0.46</b>	12	ND	ND	85.1	1.6	13.1
B-13(0-2)	<b>0.54</b>	9.2	135,170	58,500	<b>821</b>	<b>12.9</b>	12.2
MW-6(2-4)	<b>0.59</b>	63.6	4,980	470	90.5	5	105
B-16(10-12)	<b>0.7</b>	4.4	57,320	17,180	134	3.7	17.5
B-17(14-16)	<b>0.81</b>	6.3	243,260	105,600	<b>2580</b>	7.7	15.1
MW-1(0-2)	<b>0.87</b>	7.3	31,110	15,260	<b>803</b>	7.4	15.8
MW-8(0-2)	<b>1.5</b>	2.5	2,110	390	510	4.4	27.6
B/MW-3(0-2)	<b>2.5</b>	64.9	16,138	7,450	<b>2,980</b>	11.3	18.4

Note: The VOC, SVOC, and cPAH concentrations are in parts per billion (ug/Kg); the metal concentrations are in parts per million (mg/Kg).  
Concentrations above the TAGM #4046 RSCO values are marked in bold.  
ND- Not detected in the sample.

WEST 61st STREET

EXISTING RETAINING WALL

WEST END AVENUE



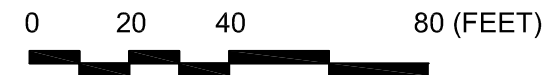
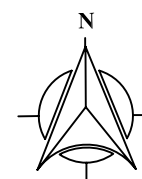
WEST 60th STREET

Legend:

- PROPERTY BOUNDARY
- DEPTH IN FEET TO LOWER LIMIT OF CONSTRUCTION
- CONTOUR HAVING THE SAME DEPTH IN FEET TO LOWER LIMIT OF CONSTRUCTION
- LOT BOUNDARIES
- SUB-CELLAR EXCAVATION TO ELEVATION 14.50
- COURTYARD EXCAVATION TO ELEVATION 37.00
- CELLAR EXCAVATION TO ELEVATION 30.00
- RECREATION AREA EXCAVATION TO ELEVATION 54.00
- EXHAUST SYSTEM EXCAVATION TO ELEVATION RANGE 39.64 TO 42.00

Notes:

1. ELEVATIONS ARE ACTUAL AND REFER TO DATUM USED BY THE TOPOGRAPHICAL BUREAU, BOROUGH OF MANHATTAN, WHICH IS 2.75 FEET ABOVE THE NATIONAL GEODETIC SURVEY VERTICAL DATUM OF 1929 (UNITED STATES COAST AND GEODETIC SURVEY), MEAN SEA LEVEL, SANDY HOOK, NEW JERSEY.
2. THE SOIL REMOVAL DEPTHS WERE COMPUTED BY SUBTRACTING THE ELEVATION OF THE LOWER LIMIT OF CONSTRUCTION EXCAVATION FOR EACH BUILDING (SEE LEGEND) FROM THE EXISTING SURFACE ELEVATION CONTOURS SHOWN ON FIGURE 6.



NOTE: ELEVATIONS IN MANHATTAN BOROUGH DATUM



Environmental Consultants  
440 Park Avenue South, New York, N.Y. 10016

WEST 61st STREET SITE  
New York, New York

SOIL REMOVAL DEPTHS

DATE  
**06.22.06**

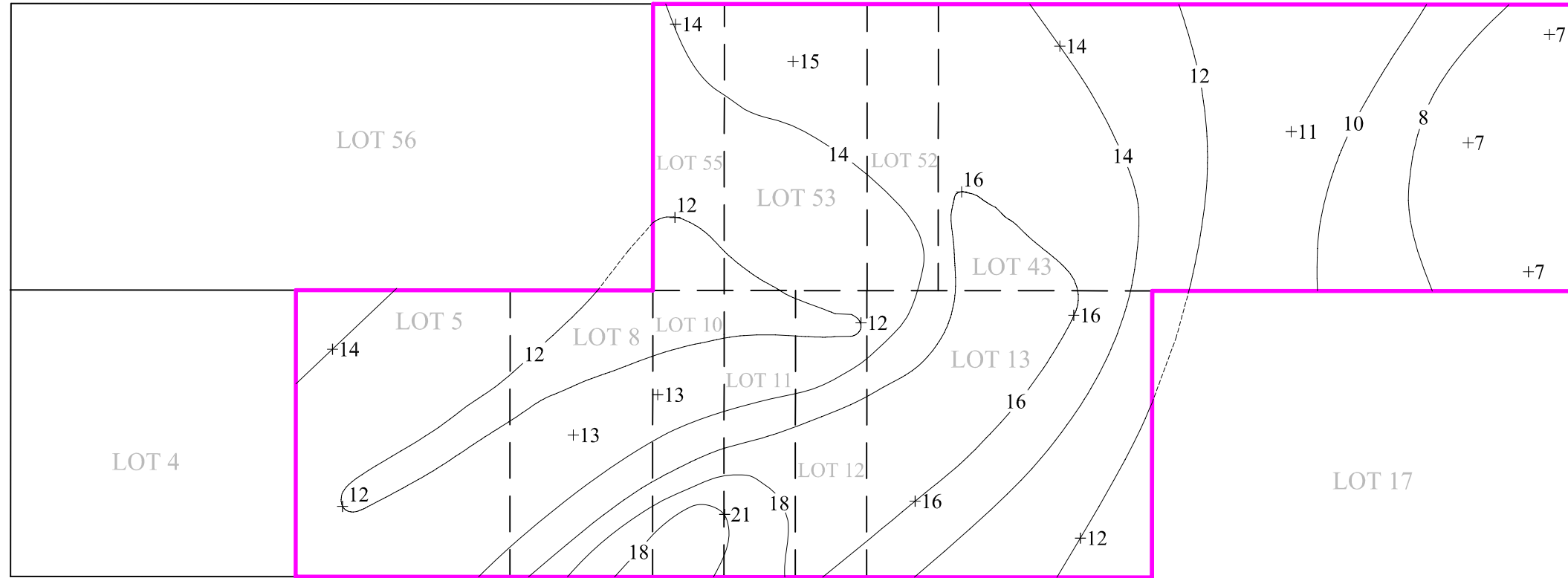
SCALE  
**As Shown**

PROJECT No.  
**10321**

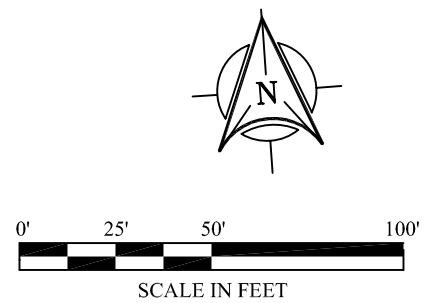
FIGURE No.  
**14 REV**

WEST END AVENUE

WEST 61st STREET



WEST 60th STREET



**LEGEND:**

	PROPERTY BOUNDARY
	LOT BOUNDARY
	THICKNESS IN FEET OF HISTORIC FILL
	POINTS HAVING THE SAME THICKNESS OF HISTORIC FILL

**AKRF**  
 Environmental Consultants  
 440 PARK AVENUE SOUTH, NEW YORK, NY 10016

**WEST 61st STREET SITE**  
 NEW YORK, NEW YORK  
**ISOPACHOUS MAP OF HISTORIC FILL**

DATE  
**06.06.06**

SCALE  
**AS SHOWN**

PROJECT No.  
**10321**

FIGURE No.  
**16**



*Environmental and Planning Consultants*

34 South Broadway  
White Plains, New York 10601  
tel: 914-949-7336  
fax: 914-949-7559  
[www.akrf.com](http://www.akrf.com)

June 26, 2006

Mr. Shaminder Chawla  
Division of Environmental Remediation  
NYSDEC-Region 2  
47-40 21<sup>st</sup> Street  
Long island City, New York 11101

Re: RWP Appendix P – Stipulation List  
West 61<sup>st</sup> Street Site – BCP ID C231043  
New York, New York

Dear Mr. Chawla:

AKRF, Inc. and Algin Management Company, LLC understands that this Stipulation List for the West 61<sup>st</sup> Street Site included in this letter constitutes a formal and binding amendment to the existing Remediation Work Plan, dated March 2006, for project number BCP ID C231043 in the New York State Brownfield Cleanup Program. Where a difference or conflict exists between the work or requirements proposed in the Remediation Work Plan (RWP) and this Stipulation List, the work or requirements proposed in the Stipulation List will supersede. The Stipulation List will become part of the final Remediation Work Plan – West 61<sup>st</sup> Street Site and will be placed with that document in all publicly accessible repositories for the project. A certification that this document has been placed in project repositories, and that the repositories are complete with all project documents, will be submitted to the NYSDEC Project Manager.

#### **STIPULATION LIST**

1. This List of Stipulations will be appended to the final approved Remediation Work Plan. The contents of this list will be added to the Interim Remedial Measure (IRM) Work Plan and the RWP, and will supersede the content in the RWP where there is a conflict in purpose or intent.
2. The remedial objectives and intent for work covered under the IRM Work Plan will apply to those elements also covered by this RWP. If differences emerge between this RWP and the IRM Work Plan, other than changes approved by the New York State Department of Environmental Conservation (NYSDEC), the approved RWP Work Plan will supersede.
3. A waterproofing/vapor barrier, consistent with Appendix F of the Remediation Work Plan, will be installed beneath the 18-inch concrete floor slab of the buildings, as shown in Remediation Work Plan Appendix O. Ventilation in the parking lot areas and occupied basement spaces of the buildings will be in accordance with the applicable City of New York Building Codes.

4. The current end use plan for the West 61<sup>st</sup> Street Site includes a parking garage and storage in the basement and sub-basement, retail stores on the first floor, residences on the second floor and above, and a recreational area on the eastern portion of Lot 43 along West 61<sup>st</sup> Street.
5. The estimated quantity of soil/fill excavation is approximately 51,000 cubic yards, broken down as follows: 36,960 cubic yards (cy) of fill and native soil; 5,600 cy of petroleum contaminated soil; 4,800 cy of fill and native soil to be disposed of as waste; 3,600 cy of construction and demolition debris; and 40 cy of lead-contaminated soil to be disposed of as a characteristic hazardous waste.
6. A groundwater-monitoring plan to assess the performance of the remedy will be implemented in accordance with DER-10, Section 6.3 to assess the performance of the remedy and verify that on-site contaminants have been removed to NYSDEC-approved standards. Groundwater monitoring will be performed on a quarterly basis for one year after completion of remedial activities and will encompass various on-site and at least one off-site groundwater monitoring wells at locations approved by NYSDEC. The groundwater monitoring program will consist of: (1) collection of depth to groundwater measurements from all wells; (2) calculation of groundwater elevations and generation of a groundwater elevation contour map to determine groundwater flow direction; (3) collection of groundwater samples for laboratory analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, and metals. Sampling and analytical details will be furnished in the Groundwater Monitoring Plan, submitted with the Site Management Plan in the Final Remedial Report to NYSDEC at the completion of remediation.
7. Maps of the site showing exceedances of Standards, Criteria, and Guidance (SCGs) for soil, and groundwater are attached as Figures 15A, 15B, and 15C of the Remedial Investigation Report (RIR) and Figure 15 of the RWP.
8. A Revised Supplemental Community Air Monitoring and Odor/Vapor Control Plan has been submitted to NYSDEC and the New York State Department of Health (NYSDOH) to replace the existing Appendix F of both the Interim Remedial Measure Health and Safety Plan (HASP) and the remediation HASP.
9. All documents and reports to follow will be submitted in both hard copy and in digital format on CD. Digital submittal will include PDF format files for all documents. Data in tabular form will also be submitted in active source files format (such as Excel) to enable direct evaluation by NYSDEC staff.
10. Remedial Cover Designs are discussed and/or illustrated in the RWP. Based on the proposed uses of the site, the cover is as follows: (1) for buildings, the native soil will be covered with a three-to-six inch thickness of a sub-base fill, an eighteen inch thick structural slab with a waterproofing/vapor barrier material (specifications in Appendices O and F respectively, of the RWP); for the recreation area running track and tennis court, the fill material will be covered with a six-inch sub-base, three inches of asphalt concrete base course, one-inch asphalt concrete top course or rubberized course; for grass areas, the soil will be covered with twenty four inches of clean soil, the top six inches of which will be topsoil. All soil will meet Technical and Administrative Guidance #4046 Recommended Soil Cleanup Objective values,
11. Track 4 cleanup undertaken at the West 61<sup>st</sup> Site will be in conformance with the Site Specific Soil Action Levels (SSSALs) listed in Revised Table 2 in the RWP Addendum.
12. The hours of operation of remedial construction will conform to New York City Department of Building codes or otherwise according to specified variances issued by that agency. NYSDEC will be notified of any variances issued by the Department of Buildings.



13. The Volunteer will make every effort to minimize noise at the site. The Volunteer's contractor will attempt to schedule tank removal activities on Thursdays and Fridays whenever possible. The volunteer's contractor will make every effort to remove the petroleum-contaminated soil during the month of August.
14. The planned use of the site is consistent with the current zoning for the property as determined by the New York City Department of Planning.
15. Full compliance will be achieved with governmental requirements including site safety requirements mandated by OSHA.
16. A separate list of all local, regional, and national governmental permits, certificates or other approvals or authorizations required to perform the remedial and developmental work is found in RWP Section 4.1.4. This list will be updated in the final remedial report. It will include a citation of the law, statute or code to be complied with, the originating agency, and a contact name and contact telephone number.
17. In addition to the remedial action objectives listed in the RWP, this remedy aspires to achieve attainment of SCGs for environmental media on the West 61<sup>st</sup> Street Site.
18. NYSDEC will be permitted the opportunity to participate in a pre-remediation/ construction meeting at the site. Whenever possible, advance notice and scheduling will be provided to enable NYSDEC attendance.
19. The Volunteer and associated parties preparing the remedial documents submitted to the State, and parties performing this work, are completely responsible for the safe performance of all invasive work and the structural integrity of excavations and structures that may be affected by those excavations (such as building foundations, roadways, sidewalks, utilities, etc.).
20. Concrete crushing and mechanical processing of historic fill through the use of equipment not normally used in excavation will not be utilized without NYSDEC approval.
21. Trucks exiting the site will be securely covered with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited.
22. Queuing of trucks will be performed on-site whenever possible. Queuing of trucks will not occur on West 61<sup>st</sup> Street.
23. All trucks will be washed and brush-scrubbed prior to leaving the site.
24. Egress points for truck and equipment transport from the site will be kept clean of dirt and other materials during site remediation and development.
25. Site development activities will not interfere with, or otherwise impair remedial activities proposed in the RWP. Development-related activities will not compromise the performance of remediation necessary at the site.
26. Stockpiles of contaminated or potentially contaminated materials will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.
27. Soil stored in stockpiles overnight will be continuously encircled with silt fences or other sediment control measures as shown in Sheet No. Q-1 of RWP Appendix Q (Erosion and Sediment Control Plan). Hay/Straw bales and/or silt fencing will be used as needed near catch basins, surface waters, at downhill portions of the site along West 60<sup>th</sup> and 61<sup>st</sup> Streets, and other discharge points.
28. Gravel will be used on unpaved roadways to provide a clean and dust-free road surface.

29. On-site roads will be limited in total area in order to minimize the area required for water truck sprinkling.
30. Odor control methods will be capable of controlling emissions of nuisance odors off-site. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC and NYSDOH will be notified of all odor events and of all other complaints about the project. Implementation of all odor controls, including the halt of work, will be the responsibility of the Remediation Engineer that will sign the certification of the Final Remedial Report.
31. Advanced odor control methods defined in the Revised\_Expanded Odor Control Plan will be applied to minimize stockpile mass (i.e. direct load-out) for petroleum-contaminated soils and other odor-producing soils excavated from the Site.
32. The means to be considered for minimization of odors during remedial actions include, but are not limited to: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; (c) use of foams to cover exposed odorous soils; (d) use of chemical odorants in spray or misting systems; and, (e) use of staff to monitor odors in surrounding neighborhoods.

### **Contractor Management**

33. Contractor documents will be submitted to NYSDEC and NYSDOH.
34. The Remedial Engineer will be responsible to insure compliance with all provisions of the approved remedial work plan, including those performed by contractors.

### **Contingency Plans**

35. If any additional underground tanks or other unknown sources are identified during on-site excavation of construction at the site, sampling will be performed on product, sediment and surrounding soil with chemical analytical work for full scan parameters. The analyses will include Target Compound List (TCL) VOCs, SVOCs, pesticides, and PCBs, and Target Analyte List (TAL) Metals with Category A Deliverables for locations above the desired construction elevation, where endpoint samples will be collected.
36. Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated to the NYSDEC Region 2 Project Manager. These findings will be included in daily or periodic electronic media reports.

### **Off-site Disposal**

37. All soil/fill excavated and removed from the site will be disposed of in accordance with all local, state and federal laws. If on-site soil is proposed for placement at an off-site non-permitted facility in or at a New York State registration facility, a formal request with an associated plan will be made to NYSDEC Project Manager. Unregulated off-site management of materials from this site will not be performed without formal NYSDEC approval. Uncontaminated metal objects located in Lot 8 and possibly found in other areas of the site, may be taken to scrap metal dealers located in New York State.
38. Letters will be provided to NYSDEC that fully demonstrate that the disposal of on-site material at disposal facilities conforms to applicable laws. This will include, at minimum: a letter from the Volunteer to the facility providing soil chemistry data and noting that the soil/fill is a contaminated media being removed from a Brownfield site in New York State as part of a remediation project; a letter from the receiving facility stating that they understand the source and that the material is acceptable under all appropriate permits.

39. Non-hazardous historic fill taken off-site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2 in New York State.
40. Historical fill (Municipal Solid Waste) and contaminated soils from this site are prohibited from being disposed of at Part 360-16 Registration Facilities (also known as Soil Recycling Facilities).
41. In New York State, native and other soils that are contaminated and non-hazardous that are being removed from remediation sites are considered Construction and Demolition (C/D) materials with contamination not typical of virgin soils by the Division of Solid & Hazardous Materials (DSHM) in NYSDEC. These soils may be sent to a permitted Part 360 landfill. They may be sent to a permitted C/D processing facility without permit modifications only upon prior notification of NYSDEC Region 2 DSHM. This material is prohibited from being redirected to a Part 360-16 Registration Facility. As dictated by DSHM, special procedures will include, at a minimum, written correspondence to the C/D facility that provides detailed explanation that the material is derived from a DER remediation site, that the soil material is contaminated and that it must not be redirected to on-site or off-site Soil Recycling Facilities. The chemical data for the soil must be attached to the correspondence.
42. The Final Remedial Action Report (RAR) will include an accounting of the destination of all material removed from the site, including excavated contaminated soil, historic fill, solid waste, and hazardous waste, and fluids, and documentation associated with that disposal showing requisite approvals for receipt of the material. Letters from the Volunteers representative describing the material prior to receipt by the disposal facility and letters accepting material by the receiving facility and stating that the material complies with all state permits, approvals and regulations will be provided.
43. Bill of Lading system or equivalent will be used for off-site movement of non-hazardous wastes and contaminated soils. This information will be reported in the Final Remediation Report.
44. Hazardous wastes derived from on-site, if any, will be stored, transported, and disposed in full compliance with applicable local, state, and federal regulations.
45. All liquids to be removed from the site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable local, state, and federal regulations. Liquids discharged into city sewer systems will be addressed through approval by NYCDEP.
46. Dewatering fluids will be managed off-site and will not be recharged back to the site.

### **On-site Materials Reuse**

47. Discharge of water generated during remedial construction to surface waters will not be performed without a SPDES permit.
48. The Final RAR must describe the fate of 'residual free product' identified in the RWP and, in particular, must specify if the residual free product was fully removed. All process wastes exceeding SSSALs will be excavated and disposed at an appropriate facility
49. Organic matter (wood, roots, stumps, etc.) or other solid waste derived from on-site or from off-site is prohibited from reuse or use on-site.
50. Historical fill is prohibited from being reused as backfill in utility trenches or landscape berms.
51. Residual product must be removed from the Site to the extent required by the IRM Work Plan (IRMWP) or as acceptable to the Department. All process wastes exceeding SSSALs will be excavated and disposed at an appropriate facility.

52. The Final RAR must describe the fate of 'residual free product' identified in the RWP and, in particular, must specify if the residual free product was fully removed.

### **Import of Soil**

53. The goal for all soils or fill imported onto the Site will be to meet Technical Administrative Guidance Memorandum (TAGM) 4046 Recommended Soil Cleanup Objectives (RSCOs). The Department will consider exceedances of TAGM values for imported fill. Sampling and analysis of imported material will be performed and will be reported in the Final RAR.
54. Solid waste will not be brought on-site. Solid waste will not be used for grading fill or cover soil on-site.
55. The use of C/D screenings from off-site sources for import onto the site will not be permitted.
56. Non-virgin off-site source areas will not be used as sources for clean backfill. Specific approval by NYSDEC is required if such usage is pursued. Sampling frequency defined in this report, including provisions for reduction in frequency, will not apply to such sources.
57. Soils that meet 'exempt fill' requirements less than 6 NYCRR Part 360 but do not meet TAGM 4046 RSCOs will not be imported onto the site.

### **Site Cover**

58. On-site soils removed for grading or other purposes will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines. This will be expressed in the final Site Management Plan. On-site soil found to meet the guidance values of TAGM 4046 may be used as backfill beneath the building foundation, up to within 24 inches of the ground surface in the courtyard area or any grass area, and beneath the paved portions of the recreation area.
59. Any change to the type and thickness of cover material at any portion of the Site that was described in the approved RWP will require NYSDEC approval prior to implementation.
60. Screening of soils and fill will be performed (i.e. visual, olfactory, FID/PID, etc.) for all excavations during invasive work that may penetrate residual contamination, including excavations for remediation and development. This will be performed regardless of when the invasive work is done or who does it (including post-remedial development work; including but not limited to subsurface foundation work and utility work).

### **Remedial Performance Monitoring**

61. Chemical labs used for all end-point sample results and contingency sampling will be NYSDOH ELAP certified.
62. End point sampling will be performed in accord with DER-10 sample frequency requirements.
63. Elevated levels of tentatively identified compounds (TICs) were present in pre-excavation soil vapor samples in the area of proposed Building A. To verify that remedial activities address this contamination, additional identification and analyses of up to the 10 highest TICs for volatile organic compounds at each sample location will be performed during post-excavation sampling in the area of Building A area to ensure that the remaining soil is not serving as a residual source of contamination, consistent with the Technical and Administrative Guidance Memorandum #4046 Recommended Soil Cleanup Objectives. (RSCOs).

64. All hotspots and structures to be remediated (USTs, vaults and associated piping, transformers, etc.) will be removed and end-point remedial performance sampling completed before excavations related to site-wide development commence.
65. After the completion of soil removal and other invasive remedial activities, a land survey will be performed by a New York State licensed surveyor. The survey will define the top elevation of all residual soils. This constitutes the top of the 'Residuals Management Zone', the zone that requires adherence to special conditions for disturbance of contaminated residual soils defined in the Site Management Plan. The survey will measure the grade covered by the demarcation layer before the placement of cover soils, pavement and sub-soils, structures, or other materials. This survey and the demarcation layer placed on this grade surface will constitute the physical and written record of the upper surface of the 'Residuals Management Zone' for the Long-Term Soil Management Plan as part of overall site Institutional Controls and Environmental Easements. A sheet showing a map of the survey results will be included in the Final Remedial Report, the Site Management Plan, and Environmental Easements.
66. A surveyed site map showing the metes and bounds for the subject site as described in the governing agreement with New York State will be appended to the final RWP. All areas defined by the Site will be subject to the proposed remedy. If peripheral roadway areas are to be included, the remedial plans, including remedy and institutional controls, will be expressed prior to approval of the RWP. The map should include pertinent roadways and on-site structures. Both hard copy and digital form of this map will be submitted.
67. Metes and bounds description of the site will include a global positioning system coordinate for the starting point for the description, which was included in the RIR.

### **Remedial Engineer Certifications**

68. The Final Remediation Report will include a certification by a Professional Engineer that all invasive work done during the remediation and development (i.e. grading cuts, utility trenches, footings, etc.) was performed in accordance with the contaminant field screening methodology and in accord with dust and odor suppression methodology defined in the remedial work plan.
69. The Final Remediation Report will include a certification by a Professional Engineer that all import of soils from off-site, including source approval and sampling, has been performed in a manner that is consistent with the methodology defined in the Remedial Action Work Plan or other pertinent project plans.
70. All primary contaminant sources (including but not limited to tanks and hotspots) identified during site characterization, remedial investigation, and remedial action have been surveyed by a surveyor licensed to practice in the State of New York. The location of these sources will be reported in the Final Remedial Report.
71. The Final RAR will include a site map and plan that shows the design detail and location for each of the proposed final cover surfaces applied to the site. This should include, at a minimum, building (structure) areas, concrete/asphalt areas, and soil cover on open areas.
72. All invasive work performed during remedy or subsequent development on this site until a Certificate of Completion (COC) is issued will be witnessed by the Remedial Engineer or his/her qualified representative.
73. Remedial Engineer will review any pre-remedial plans submitted by contractors for compliance with the RWP and will certify compliance in the Final Remedial Action Report.

74. Resumes will be provided for all personnel responsible for field screening (i.e. those representing the Remedial Engineer) of invasive work during remediation and development work for unknown contaminant sources.

## Health and Safety

75. The Applicant, Volunteer, Responsible Party and associated parties preparing the remedial documents submitted to the State, and parties performing this work, are completely responsible for the preparation of an appropriate Health and Safety Plan and for the appropriate performance of work according to that plan.
76. The Health and Safety Plans (IRM HASP and RHASP) and all agreements made related to invasive activities will be required for all work performed until the issuance of a Certificate of Completion. Required management of activities after that time will be addressed under an Environmental Easement to be reported in the Final Remediation Report.
77. The Site Safety Coordinator will be identified. A resume will be provided.
78. Exceedances observed in the Community Air Monitoring Plan (CAMP) will be reported in the daily report to the NYSDEC and NYSDOH Project Managers.

## Reporting

79. Daily Reports will be provided to the NYSDEC Project Manager, Shaminder Singh at [spsingh@gw.dec.state.ny.us](mailto:spsingh@gw.dec.state.ny.us) and NYSDOH Project Manager Julia M. Guastella at [jmg07@health.state.ny.us](mailto:jmg07@health.state.ny.us) by email during all periods of major invasive activity on remedial projects. These reports will include daily activities with alpha-numeric identification of work areas. These reports will include a summary of air sampling results, odor and dust problems and corrective actions, and all complaints received from the public.
80. Daily reports will include any communication with local residents, nearby schools (Beacon School), public officials and/or community boards with type of complaints received and response provided. This communications will also be immediately reported to the NYSDEC via phone and an separate e-mail.
81. Daily reports are not intended as a means to convey sensitive or time-critical information (i.e. notification of an accident, spill or emergency) or notification of changes to approved plans. These communications must be made directly with Project Managers.
82. Monthly reports will be submitted to NYSDEC and NYSDOH, and will include a summary of all work performed.
83. An emergency contact sheet will be submitted to NYSDEC's Project Manager. That document will define the specific project contacts for use by NYSDEC and NYSDOH in the case of a day or night emergency.
84. Before completion of a project (before approval of a final Remedial Report and issuance of a Certificate of Completion), all project reports must be submitted in digital form (PDF). For older projects that have passed through the Remedial Investigation Work Plan and Remedial Investigation phase, the approved documents must be scanned and resubmitted in digital form to the Project Manager for NYSDEC to provide a complete digital project archive.
85. Photographs will be taken of all remedial action activities and submitted to NYSDEC in digital form on a CD(s). Photos should illustrate all remedial program elements and should be of acceptable quality. Representative photos of the site prior to any remedial actions should be provided. Representative photos should be provided of contaminant sources and source areas and

structures before and during remediation. Photos will be submitted to NYSDEC on CD and will be sent to NYSDEC's Project Manager (2 copies) and to NYSDOH Project Manager (1 copy). CD's should have a label and a general file inventory structure that separates photos into directories and sub-directories according to logical lines. A photo log keyed to photo file ID numbers should be prepared to provide explanation for all representative photos. For larger and longer projects, photos should be submitted on a monthly basis or other agreed upon time interval.

86. A site map will be submitted that shows a predefined grid for use to identify locations in reports provided to NYSDEC.
87. Mandatory job-site record keeping will be required. These records must be maintained on-site at all times during the project and be available for inspection by NYSDEC and NYSDOH staff.

### **Fact Sheets and Repositories**

88. A certification of mailing will be sent by the Applicant to the NYSDEC Project Manager following distribution of all Fact Sheets and notices, providing certification that the Fact Sheets were mailed, when they were mailed, a copy of the Fact Sheet, a list of recipients (contact list) and a statement that the repository was inspected and contained all of the applicable project documents.
89. Fact Sheets are the property of New York State. The applicant will be requested to assist in their preparation (including the development of draft Fact Sheets) and their distribution. However, only Fact Sheets approved by the Department will be issued under any project. No changes will be made in approved Fact Sheets authorized for release by the Department without the express consent of the Department in writing. No other information, such as brochures and flyers, will be included with the Fact Sheet mailing.
90. A Fact Sheet #4 will be prepared and sent to the project Contact List announcing the approval of the RWP.

### **Site Management Plan**

91. The Final RAR will include a section entitled Site Management Plan that will address management of residual contamination at the site in conjunction with the Easements. This should be a stand-alone-format document (as separate bound copy as well as an appendix to RAR) that can be used for site management in the future.
92. An annual inspection and certification will be a required element in the Site Management Plan to be submitted in the Final RAR.
93. The Final RAR will provide a Site Management Plan that will include a monitoring schedule for performance of soil vapor and groundwater sampling. A specific plan for that work will be provided. The groundwater plan should include assessment of the performance of local volatile organic compounds (VOC) remedial efforts and site-wide source removal performance. The groundwater monitoring plan for the VOC remedy will also require a schedule for submission of a specific proposal to the Department regarding the need for additional remedial efforts, if any are found to be necessary.
94. The Site Management Plan will include provisions for, at a minimum: an annual inspection certification of the adequacy of engineering and institutional controls; groundwater use prohibition; maintenance of cap; soil management plan for residual contamination left on-site; prohibition on change in use to unrestricted residential; restriction on vegetable gardens.
95. The Final Site Management Plan must be submitted in the Final Remedial Report and must include a listing of all Institutional Controls, Engineering Controls, operation, monitoring and maintenance for the site, residual contamination management, and annual inspection and certification that the

controls are still in-place and effective. The Site Management Plan must be cited in the Environmental Easement.

96. Groundwater sampling for site-wide remedy evaluation will be performed for full scan parameters, and will consist of Target Compound List (TCL) volatile organic compounds (VOCs), semivolatiles organic compounds (SVOCs), and Target Analyte List (TAL) metals. Groundwater samples to monitor performance of a remedy will be analyzed for the specific contaminants of concern (i.e., TCL VOCs for areas exhibiting elevated dissolved VOCs in groundwater). Final well arrays and analytical plan will be determined as part of the final Site Management Plan in the Final RAR.
97. The Site Management Plan in the Final RAR will include a monitoring plan for groundwater at the down-gradient site perimeter to evaluate site-wide performance of the remedy. Appropriately placed groundwater monitor wells will be installed immediately down-gradient of all volatile organic compound remediation areas for the purpose of evaluation of the effectiveness of the remedy that is implemented.

### **Environmental Easement**

98. Environmental Easement in the former parking lot portion of Lot 43 will be required if residual contamination is left on-site after the remedial action is complete. The execution of the Environmental Easements will be documented in the Final Remedial Report.
99. The Environmental Easements must include a listing of all Institutional Controls, Engineering Controls, and Operation, Monitoring and Maintenance, and Annual Certification for the site.
100. The deed provision/environmental easement will require groundwater use prohibitions, change in use provisions and application of the Site Management Plan and all of its elements.

### **Final Remedial Report**

101. The Final Remedial Report will include as-built drawings for all constructed elements, certifications, manifests and bills of lading; and the Site Management Plan.
102. The Final Remedial Report will include as-built drawings for all constructed elements, certifications, manifests and bills of lading; and the Site Management Plan.
103. The Final RAR will include a certification by a Professional Engineer that all export including transport and disposal of soil, fill, water, or other material from the property was performed in accordance with the Work Plan, and were taken to facilities licensed to accept this material in full compliance with all federal, state and local laws.
104. The Final RAR will include a certification by a Professional Engineer that all import of soils from off-site, including source approval and sampling, has been performed in a manner that is consistent with the methodology defined in the Remedial Action Work Plan or other pertinent project plans.
105. The parking garage will be vented (Stipulation 3) and the bottom of the floor slab and outside sidewalls will be constructed with a vapor barrier / waterproofing system as described in RWP Appendix F.
106. Spill closure letters will be sent to the Department's Project Manager Shaminder Singh documenting closure activities for individual spills numbered for this project as a means to achieve closure of those spills. This will be accomplished and all spills closed before the Final Remedial Report is approved.
107. UST closures will, at a minimum, conform to criteria defined in DER-10.



108. The Erosion and Sediment Control Plan (ESCP) is included as Appendix Q of the Remediation Work Plan Addendum, which will be included in the project repositories
109. The presence of methane in the subsurface caused by historic fill will be assessed in areas where historic fill remains on the site, and, to the extent present, will be addressed in the final Site Management Plan in the Final RAR.
110. All references to “cap” in the Remediation Work Plan (RWP) are modified to read, “cover.”
111. Sidewall samples will be collected for all hotspot removals in areas under the former buildings. SSSAL’s determined for the project will be applied to the sidewall samples to determine if additional later soil removal will be required (note: this will include PCB limits of 10 mg/kg).
112. Excavations of hotspots will not be terminated based on specific design depths (i.e., 7 feet below the top of slab). Termination will be based on post-excavation sample results with due consideration of practicability.
113. An itemized and detailed summary of actual costs for the remedial activity will be prepared based on actual costs and submitted as an appendix to the Final Remediation Report.
114. End point sampling will not be cancelled but will be relocated if an obstruction is identified in a pre-defined sampling location.
115. Annual inspections performed under the final Site Management Plan will include the garage areas to insure continued ventilation as described in the RWP.
116. If a Track 1 Cleanup is not achieved for the entire site, an environmental easement for the site will specify that unrestricted residential usage of the site is prohibited without prior approval by NYSDEC.
117. The environmental easement will specify that changes in the use of retail and parking area will require notice and prior approval by NYSDEC.
118. Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated to the NYSDEC’s Project Manager. These findings will be included in daily or periodic electronic media reports.

If you have any questions, please contact either Richard Gardineer, P.E. at (914) 922-2369 or me at (646) 388-9520 at your earliest convenience.

Sincerely,  
AKRF, Inc.

Michelle Lapin, P.E.  
Senior Vice President

cc: Julia Guastella, NYSDOH  
Larry Ginsberg, Algin Management Company, LLC  
David Freeman, Paul, Hastings, Janofsky, and Walker, LLP

WEST 61 st STREET

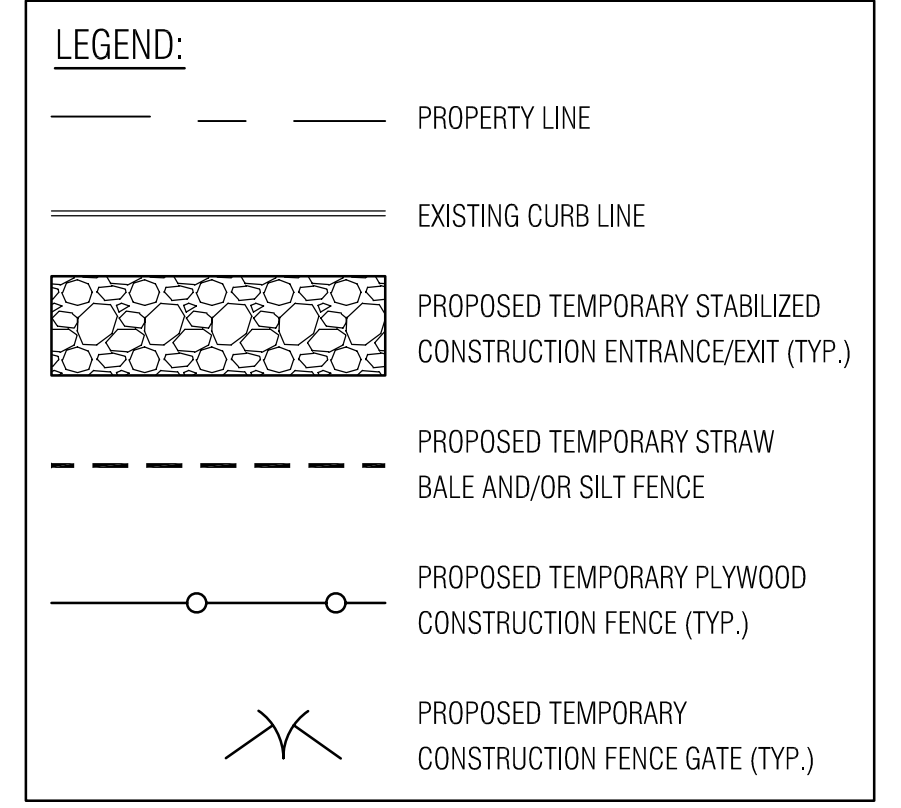
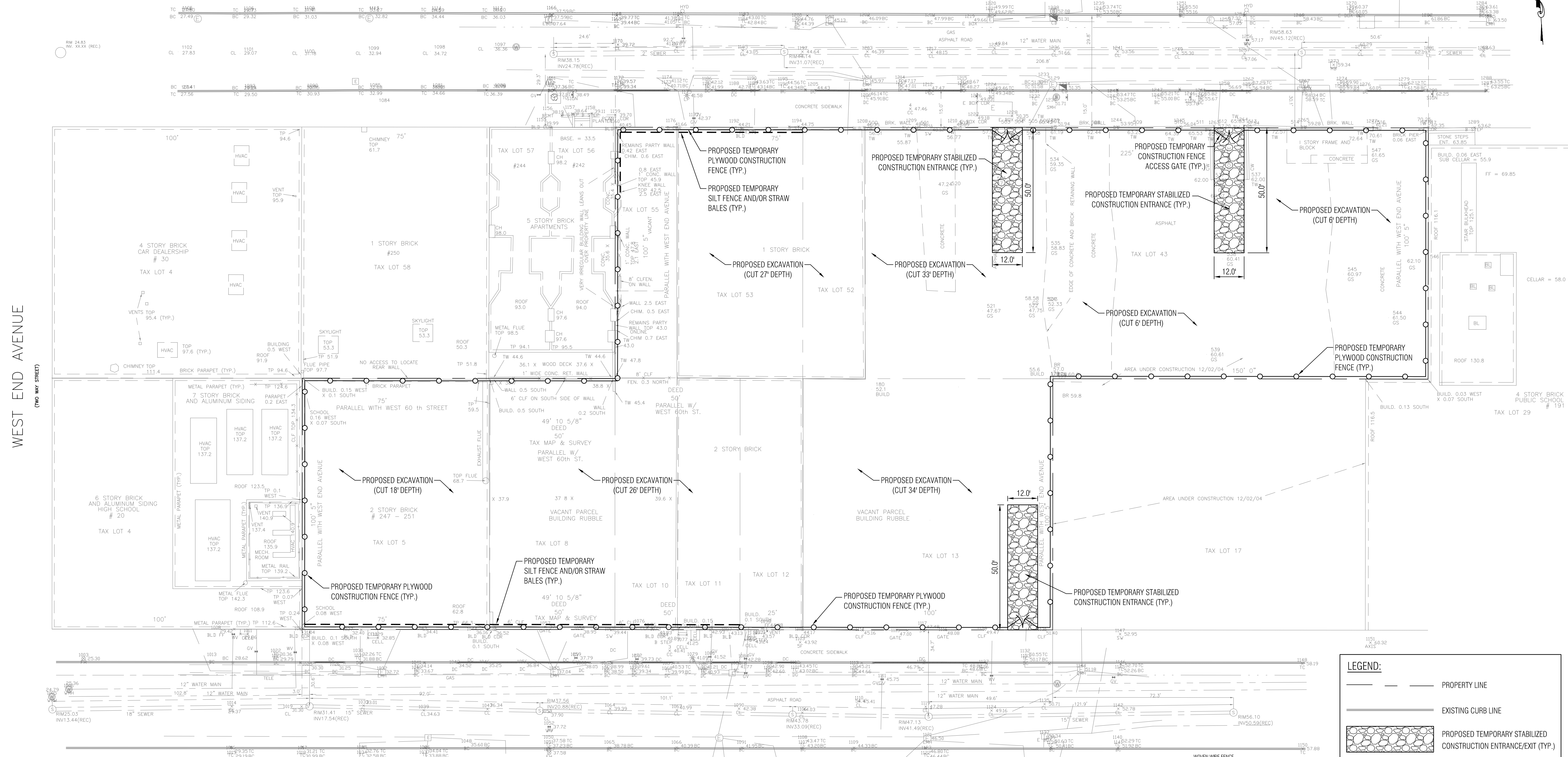
60' WIDE

TRAFFIC FLOW

REVISIONS

No.	DATE	DESCRIPTION

WEST END AVENUE  
(TWO WAY STREET)



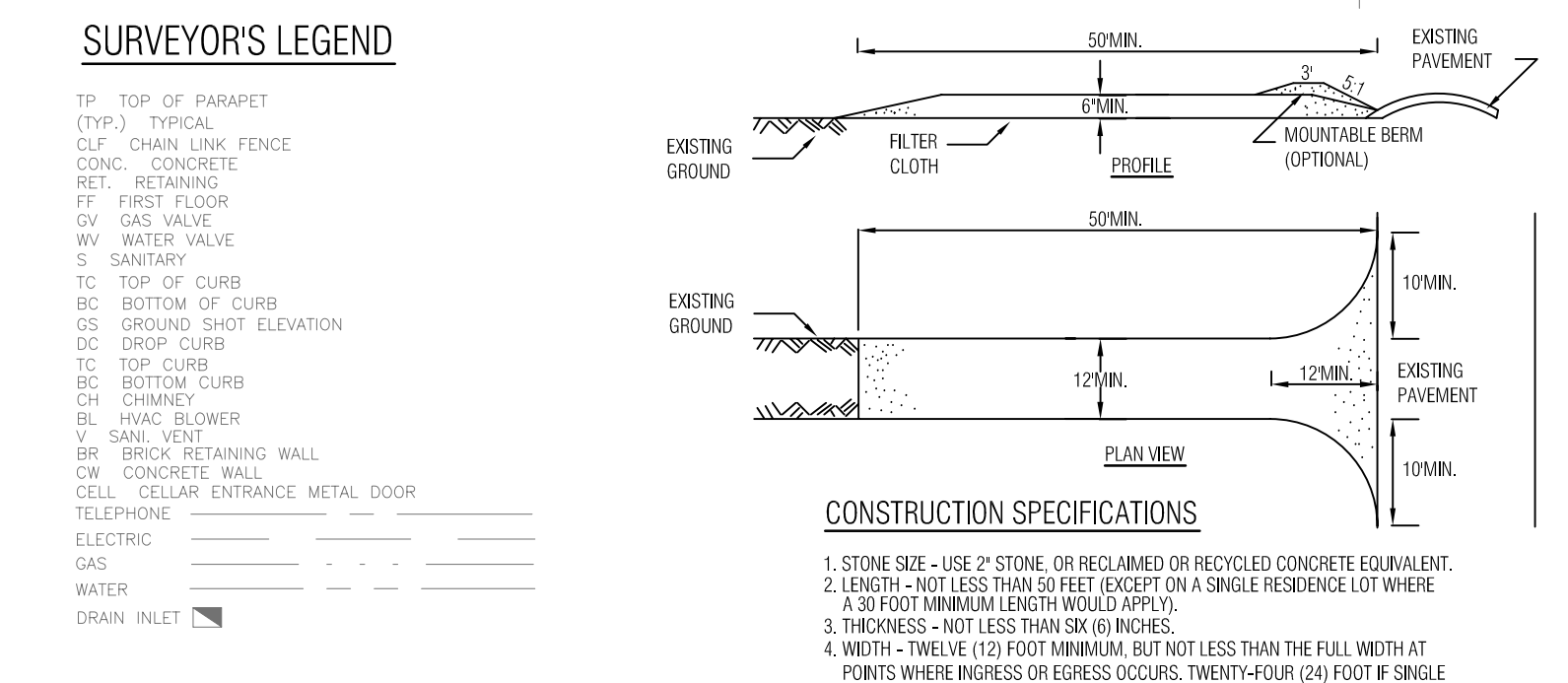
PREPARED BY  
**AKRF**  
AKRF ENGINEERING, P.C.  
440 PARK AVENUE SOUTH  
NEW YORK, NY 10016  
Tel:(212)696-0670 Fax:(212)726-0942

PREPARED FOR  
ALGIN MANAGEMENT CO., L.L.C.,  
64-35 YELLOWSTONE BLVD.  
FOREST HILLS, NY 11375

SHEET TITLE  
**EROSION & SEDIMENT CONTROL PLAN**

DRAWN BY: RC ORIG. DATE: 06/08/06  
CHECKED BY: AM PROJECT No.: 80070

SHEET No.: Q-1  
ANDREW MALEK, P.E.

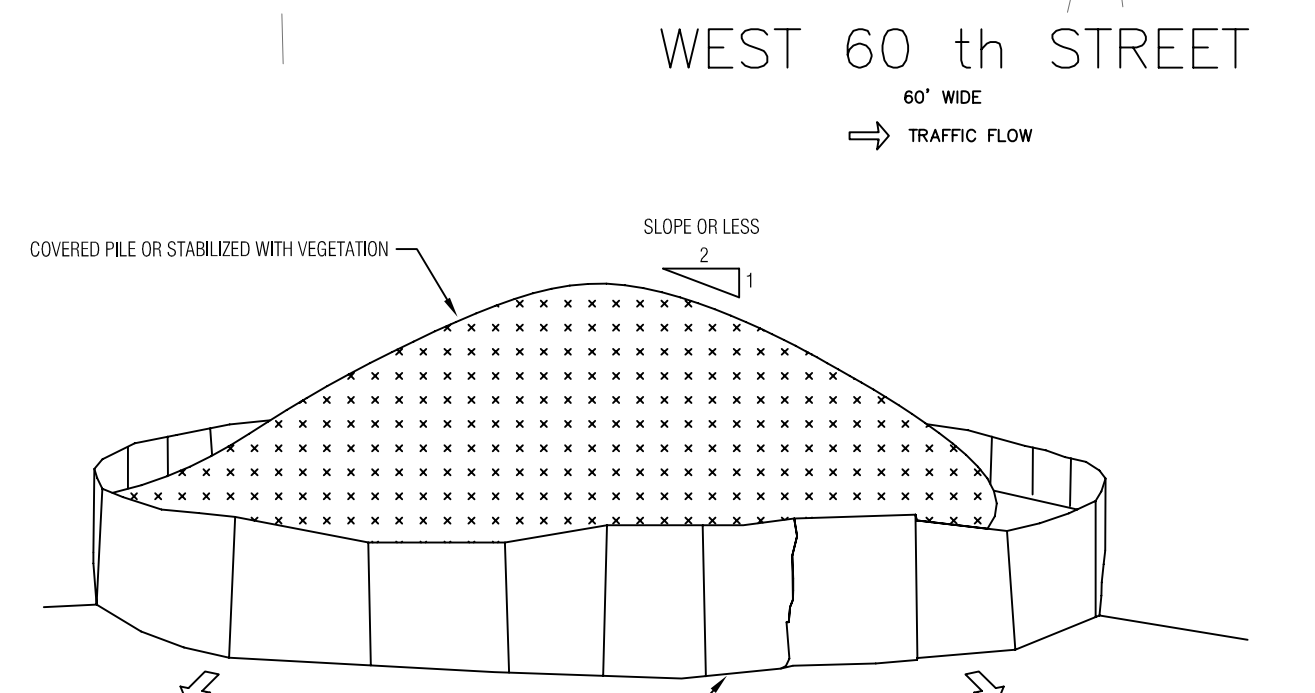


**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 5 FEET (EXCEPT ON A SINGLE REFERENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN 6 INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DRAINED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTAIN BEAM WITH 5:1 SLOPES PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOODING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND REEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

SOURCE: NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

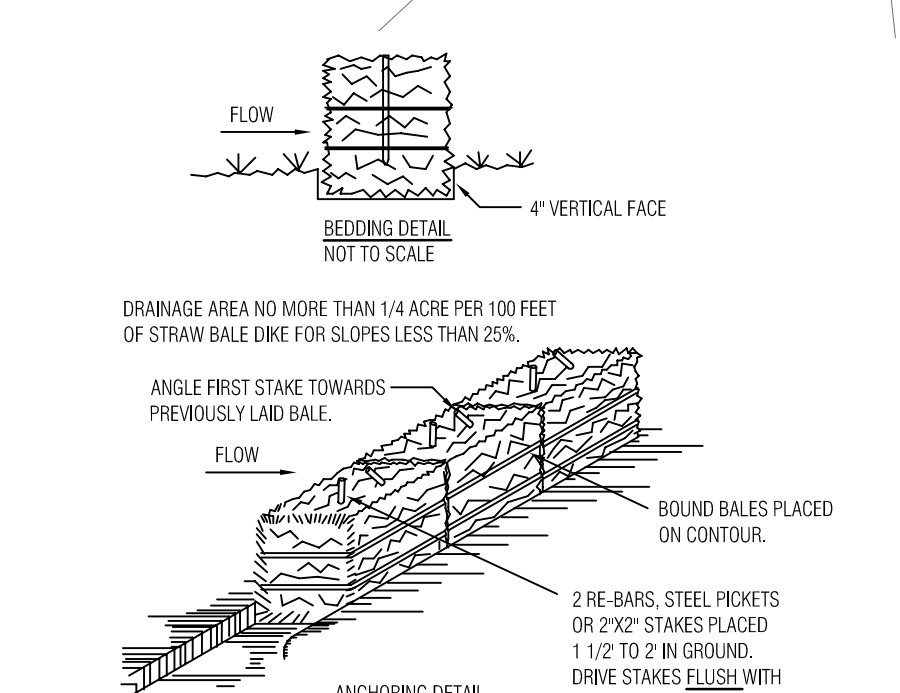
**TEMPORARY STABILIZED CONSTRUCTION ENTRANCE/EXIT (TYP.)**  
N.T.S.



**CONSTRUCTION SPECIFICATIONS**

- AREA CHOSEN FOR FILL MATERIAL SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF FILL MATERIAL SHALL BE 1:2.
- UPON COMPLETION OF SOIL STOPPING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING OR STRAW BALES THEN COVERED OR STABILIZED WITH VEGETATION.

**STOCKPILE DETAIL (TYP.)**  
N.T.S.

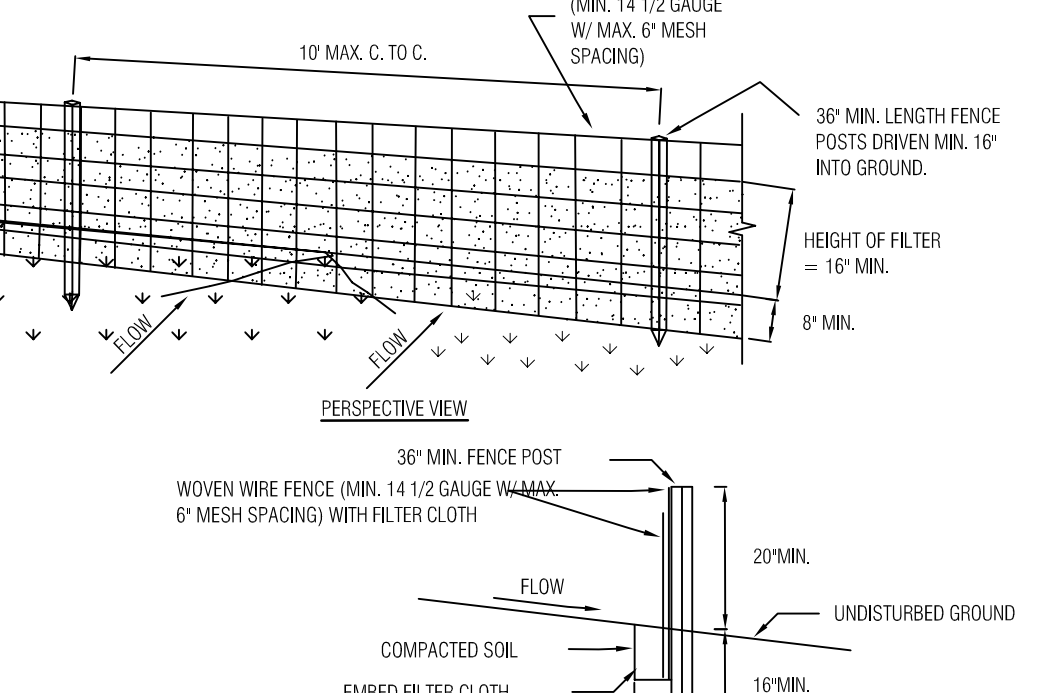


**CONSTRUCTION SPECIFICATIONS**

- BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE ENDS ARE HORIZONTAL.
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY Laid BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
- INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPED STORM FLOW OR DRAINAGE.

ADAPTED FROM: NYSDEC STANDARDS & SPECIFICATIONS FOR EROSION & SEDIMENT CONTROL.

**STRAW BALE DIKE (TYP.)**  
N.T.S.

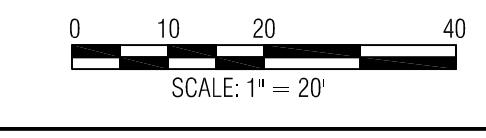


**CONSTRUCTION SPECIFICATIONS**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER 1" OR 1 1/2" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- FENCE SHALL BE WOVEN WIRE, 12 1/2" GAUGE, 6" MESH WITH 1/2" OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X MESH 100, STAINLESS 100, OR APPROVED EQUIVALENT.
- PRE-FABRICATED UNITS SHALL BE GEOTEX, ENVIRONMENT, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE.

ADAPTED FROM: NYSDEC STANDARDS & SPECIFICATIONS FOR EROSION & SEDIMENT CONTROL.

**SILT FENCE (TYP.)**  
N.T.S.





*Environmental and Planning Consultants*

34 South Broadway  
White Plains, New York 10601  
tel: 914-949-7336  
fax: 914-949-7559  
  
[www.akrf.com](http://www.akrf.com)

June 16, 2006

Mr. Stuart Berry  
Allied Environmental Group, Inc.  
2163 Merrick Avenue  
Merrick, New York 11566

Re: Waste Characterization Letter Report Update  
West 61<sup>st</sup> Street Site  
New York, New York

Dear Mr. Berry:

Civetta Cousins, JV and Pure Earth Trucking and have informed me that they are negotiating with Allied Environmental Group, Inc. for the acceptance of material from the West 61<sup>st</sup> Street Site in New York at various Clean Earth facilities located in New Jersey and Pennsylvania. They have requested that AKRF, Inc. provide you with completed New Jersey and Pennsylvanian certification sheets and the analytical results.

Enclosed are five sets of this Waste Characterization Letter Report Update, which contains updated analytical data from subsurface samples collected in March and April of this year. A copy of the May 26, 2006 report was previously sent to Jim Case of your company. This report updates the information presented in the May report. Please distribute this update to each of the disposal or reuse facilities. This report includes a sampling grid and vertical sub-grids of various depths and thicknesses, based on the anticipated wastes present at the West 61<sup>st</sup> Street Site. The analytical parameters, sample frequency, and methods were consistent with the information and directions of Allied Environmental Group, Inc. staff.

Attachment D, an updated grid summary sheet, reflects the current classification of each sub-grid, the tentative destination of the material in each sub-grid, and any additional testing needed to demonstrate that the sub-grid is acceptable for each of the proposed disposal facilities. Hopefully this will aid the various facility staff members in their review of the data. In reviewing this summary sheet, please note the following:

- Sub-grid 20A (0-6') contains a location (boring MW-3 [0-6']) of lead-contaminated soil that is classified as hazardous waste (D008). Excluding the lead hot spot identified at MW-3 collected during the field phase of the Remedial Investigation, the sub-cell meets the Clean Earth Philadelphia facility waste soil acceptance criteria, and may meet the beneficial use acceptance criteria for the FDP facility in New Jersey. We intend to collect additional samples in this sub-grid for asbestos, and hazardous waste characteristics (e.g., corrosivity, reactivity for sulfur and cyanide, ignitability). The waste classification sample collected in this area meets all other beneficial use facility criteria. Our client intends to remove the lead "hot spot" and test the side walls and bottom for lead and TCLP-lead following New Jersey Department of Environmental Protection (NJDEP) guidelines. The remaining

soil in the sub-grid will be tested to determine whether it is acceptable for the beneficial use facility. If it doesn't meet the criteria, it will go to the Philadelphia facility as waste soil.

- Sub-grids 23A (0-6'), 24B (6'-12') and 25B (6'-12') meet the waste soil criteria for acceptance at the Philadelphia facility. They may also be capable of meeting the beneficial use criteria for acceptance at the FDP facility in Jersey City. The lead concentration is greater than 613 parts per million [ppm], but less than 1,200 ppm. The material in this cell will be sampled for asbestos and hazardous waste characteristics for acceptance at the beneficial use FDP facility. Assuming that these sub-cells will meet the aforementioned criteria, they will not be sampled for waste soil criteria for the Philadelphia facility.
- Sub-grid 26A (0-6') contains lead-contaminated soil that is classified as hazardous waste lead (D008). All other parameters meet the Philadelphia facility waste soil acceptance criteria. The lead hot spot will be excavated and endpoint samples from the sidewall and bottom will be collected and analyzed for lead and TCLP-lead following NJDEP guidelines. The remaining soil will be transported to the Philadelphia facility as waste soil.
- Sub-grid 29A (0-6') contains lead-contaminated soil that is classified as hazardous waste lead (D008). All other parameters meet the Philadelphia waste soil acceptance criteria. Four mid-point sidewall samples and a bottom sample were collected on Friday, June 9, 2006 and are being analyzed for lead and TCLP-lead. Additional post-excavation samples will be collected if these samples contain lead in concentrations above the TCLP standard. The remaining non-hazardous soil in this sub-grid will be transported to the Philadelphia facility as waste soil.
- Sub-grid 32A (0-14') contains lead-contaminated soil with lead concentrations above the acceptance criteria of the FDP facility (greater than 1,200 ppm). It was analyzed by Severn Trent Laboratory (STL) and did not exceed the TCLP-lead regulatory concentration. This sub-cell has to be sampled for waste characterization parameters for acceptance at the Philadelphia facility as waste soil.
- Sub-grids 33A (0-14') and 34A (0-10') contain lead in concentrations above 613 ppm, but less than 1,200 ppm. These sub-grids need to be sampled for asbestos and hazardous waste characteristics for disposal at the FDP facility.
- Sub-grid 40A (0-10') contains lead in concentrations above 613 ppm, but less than 1,200 ppm. The sub-grid was sampled on June 9<sup>th</sup> for asbestos and hazardous waste characteristics for disposal at the FDP facility.
- Sub-grid 44C (14'-24') was analyzed for both the Elizabeth, New Jersey, Beneficial Use requirements, and the Carteret, New Jersey, Petroleum soil requirements. The sample met the Petroleum soil standards. The sample appeared to meet the Beneficial Use standards; however, the sample was not analyzed for three required volatile organic compounds: 1,1,1-trichloroethane, 1,3-dichlorobenzene and acrylonitrile. The sample must be analyzed for these three volatile organic compounds prior to disposal at the Elizabeth, New Jersey, beneficial use facility.
- Sub-grid 47A (0-10') contains semivolatile organic compounds in concentrations above the beneficial use criteria for acceptance at the Elizabeth New Jersey facility. The sub-cell was sampled on June 9, 2006 for petroleum-contaminated soil criteria for acceptance at the Carteret facility.
- Sub-grid 52B (6'-18') appears to meet the petroleum-contaminated soil criteria, but needs paint filter – percent solids analysis. It is intended to be transported to the Carteret facility as petroleum-contaminated soil.
- Sub-grid 53A (0-6') contained lead-contaminated soil that is classified as hazardous waste lead (D008). This sample collection point is located at the intersection of four sample grid locations, all of which are

proposed for transportation to beneficial use facilities. The lead hot spot will be excavated and four side wall samples and one bottom sample will be collected and analyzed for lead and TCLP-lead, consistent with NJDEP guidance. The remaining soil in the four grids will be transported to the two designated beneficial use facilities.

- Sub-grid 54 (0-6') is located at the intersection of four sample grid locations. This sample is deemed to as an additional sample for grid 25A (0-6') for acceptance as waste soil at the Philadelphia facility.

The May 26, 2006 Letter is also included in this package. This letter addresses sampling methodology, the rationale regarding the grids and sub-grids, and a problem regarding the detection limit for thallium. The thallium issue is discussed in "Off-Site Beneficial Use" in the second page of the letter. As mentioned, the thallium concentrations in the soil and historic fill samples collected during the Remedial Investigation did not exceed 2 milligrams per kilogram. Subsequently, the laboratory raised its detection limit from approximately 2 milligrams per kilogram to 4 milligrams per kilogram. A copy of the analytical results for metals from the Remedial Investigation is included with beneficial use analytical results in Attachment F of this letter report.

Until the additional data for the sub-cells discussed above is provided, we understand that you may not wish to approve all of the sub-cells. Hopefully, your facilities can notify us as soon as possible of the sub-cells that are approved. We will promptly provide the information described above, so that the acceptability of remaining cells can be determined.

Enclosed in this letter is a disk containing all of the laboratory analytical data in the form that it was received from Severn Trent Laboratory. We will also be sending electronic copies of the analytical tables in Attachments E, F, G, and H of this report.

If you or the Clean Earth facility reviewers have any questions, please contact me at your earliest convenience.

Respectfully,  
AKRF, Inc.

Richard A. Gardineer, P.E.  
Technical Director

cc: Larry Ginsberg - Algin Management Company, LLC  
Vincemt Bagnoli - VJB Construction  
Ram Narine - Civetta Cousins, JV  
Philip Guenzer - Alchemy Development, LLC  
Jim Case - Allied Environmental Group, Inc. (w/o attachments)  
Shaminder Chawla - NYSDEC



*Environmental and Planning Consultants*

34 South Broadway  
White Plains, New York 10601  
tel: 914-949-7336  
fax: 914-949-7559  
[www.akrf.com](http://www.akrf.com)

May 26, 2006

Mr. Lawrence Ginsberg  
Algin Management Company, LLC  
64-35 Yellowstone Boulevard  
Forest Hills, New York 11375

Re: Analytical Results  
Waste Characterization Sampling  
West 61<sup>st</sup> Street Site

Dear Mr. Ginsberg:

AKRF, Inc. is pleased to provide you with the analytical results from samples collected during March and April of this year at Algin's West 61<sup>st</sup> Street Site in New York City. These analytical results were generated from samples collected from the advancement of borings at various locations on the Site for the purposes of: delineating the extent of suspected petroleum-contaminated soil in the southern portion of the Site, along West 60<sup>th</sup> Street; characterizing the various types of materials at the Site for transportation and placement at off-site facilities, and the possible reuse of some uncontaminated native soil for backfill on the Site; and providing preliminary data for endpoint sampling that will be used to demonstrate to the New York State Department of Environmental Conservation (NYSDEC) that the remaining on-site soil meets cleanup criteria. This data will be incorporated into a Waste Characterization Report, which will be submitted to the NYSDEC, and to the receiving facilities for submission to the New Jersey Department of Environmental Protection, if requested. In addition to submitting this analytical data to Allied Environmental for review to determine its acceptability at various Clean Earth facilities, we understand that you desire this information to be distributed to the foundation construction companies, with whom you are presently negotiating.

#### Sampling Methodology

In previous discussions with Algin, we proposed, and you concurred, that the direct loading of hauling vehicles would be utilized at the Site whenever possible, rather than employing the double-handling of the material, which involves excavating, stockpiling, sampling, and loading the hauling vehicles. To accomplish this, samples of the various materials within the landfill had to be collected in-situ, analyzed, and used to categorize the on-site soil for off-site placement and possible reuse in on-site fill areas. Based on the data gathered during the Remedial Investigation, four categories of material were found to be present in the on-site fill: fill and native soil that appears to meet the chemical and physical standards for beneficial use as fill at non-residential facilities located in New Jersey; petroleum-contaminated soil; fill considered to be a waste because it does not meet non-residential standards for beneficial use in New Jersey; and construction and demolition debris that contains a significant amount of metal from the previous structure on Lot 8. Before determining the sampling program, AKRF contacted two "waste brokers," Brookside Environmental and Allied Environmental Group (Allied), Inc., a Division of Clean Earth, to determine the preliminary price and analytical requirements for acceptance at various potential off-site facilities. After reviewing this information, AKRF recommended utilizing the various facilities operated by Clean Earth. AKRF then worked with Allied Environmental Group to put together a sampling program that would meet the requirements of their various facilities. Allied provided sample collection and analytical requirements for the former Allied Signal Site in

Elizabeth, New Jersey, that is intended to be used for the fill meeting beneficial use at non-residential sites in New Jersey. Sample collection and analytical requirements were provided by Allied for the Clean Earth of Carteret, New Jersey facility that will be used for petroleum-contaminated soil. Sample collection and analytical requirements were also provided by Allied for the Clean Earth of Philadelphia, Pennsylvania, facility that will be used to dispose of the material that is not acceptable for placement at the Elizabeth or Carteret facilities. Most recently, Allied provided requirements for a second beneficial use facility, FDP in Jersey City, New Jersey, that will accept soil containing lead at higher concentrations. Allied will provide a disposal facility for the lead-contaminated soil determined to be a characteristic hazardous waste. The sampling and analytical requirements for each of the first three facilities is included in Attachment A.

#### On-Site Sample Collection

To meet the requirements of the off-site receiving facilities and the coverage of the NYSDEC-required endpoint samples, the Site was divided into horizontal grids and vertical sub-grids. The area of each grid was approximately 1,750 square feet. The depth of each grid was based on the testing frequency (test per cubic yards) for the anticipated type of material (e.g., beneficial use, petroleum-contaminated, waste) present. Samples were collected from the borings, which were advanced in the approximate center of each grid. The sampling grid is included as Figure 1. The grid dimensions and volumes are included in Attachment B. The types of materials and maximum sample volumes are included in Attachment C. Attachment D contains the anticipated off-site destination of the soil in each sub-grid.

#### Off-Site Beneficial Use

Samples collected from the sub-grids tentatively identified as candidates for beneficial use (from the Remedial Investigation), were analyzed for specific chemicals required by the State of New Jersey for acceptance at non-residential receiving facilities for placement as fill. The maximum volume per sample is 1,000 cubic yards. Attachment F compares the analytical results with the New Jersey standards for acceptance as beneficial use at a non-residential site. Please note that the detection limit for thallium is approximately 4.0 parts per million, which exceeds New Jersey's allowable beneficial use acceptance criteria for non-residential facilities of 2 parts per million. The criteria is footnoted to state, "health-based criterion is lower than analytical limits; cleanup criterion is based on practical quantitation level." Last fall, Severn Trent Laboratories (STL) changed its detection limit from approximately 1.5 parts per million to the detection limit of approximately 4.0 parts per million. The samples collected and analyzed during the Remedial Investigation field activities at this Site were analyzed to detection limits below 2.0 parts per million. No thallium was detected. Therefore, AKRF believes that these recent analytical results are acceptable for thallium, and that thallium meets the criteria for beneficial use.

The second potential site for receipt of this material is the FDP site in Jersey City, New Jersey. This facility will be used for soil that contains lead in concentrations above 613 parts per million, but less than 1,200 parts per million. In addition to the analytical requirements for beneficial use at non-residential facilities, additional composite samples need to be collected and analyzed for asbestos, corrosivity, reactivity (sulfide and cyanide), and ignitability, in accordance with FDP's requirements

Attachment E lists each sub-grid and the acceptable facility for each particular sub-grid. Soil in sub-grids 20A(6'-8'), 23A(0-6'), 24B(6'-12'), 25B(6'-12'), 33A(0-12'), 34(0-12'), 40A(0-10'), and 54A(0-6') exceed the lead concentration for the Allied Signal Site, but should qualify for the FDP facility. Certain sub-grids situated in the former parking lot in the eastern portion of Lot 43, originally identified as waste fill, have been found acceptable for the Allied Signal Site for beneficial use as fill. These sub-grids include 21A(0-6'), 22A(0-6'), 24A(0-6'), and 25C(12'-18').

#### Petroleum-Contaminated Soil

At the beginning of the waste characterization sampling in mid-March, plume delineation activities to locate the vertical and horizontal limit of the suspected petroleum contamination were undertaken in the grids located in the southern portion of the Site, along West 60<sup>th</sup> Street. The observations and samples collected are included in Attachment F. The observations and preliminary results from the plume delineation were used in the setup of the various sub-grids in Grid Nos. 47 through 52. In addition, during the collection of the samples in Grid No. 30, the deepest area was found to contain suspected petroleum. This sub-grid (30C[18'-

24') was analyzed for petroleum parameters. The sub-grids that were found to contain petroleum, and that are acceptable for disposal at Clean Earth of Carteret, New Jersey, are listed in Attachment D. Sub-grids 30C(18'-24') and 52B(6'-18') meet the chemical criteria and were analyzed for percent solids. However, they are required to be analyzed for percent solids using the "paint filter" method. These two sub-grids will be sampled and immediately analyzed, when the grids are accessible to sample collection by hand augur. Sub-grid 47A(0-10') contained elevated concentrations of polynuclear aromatic hydrocarbons (PAHs) and needs to be sampled for petroleum parameters, which will occur within the next ten days. The analytical results are included in Attachment G.

#### Waste Soil

Samples were collected and analyzed for waste soil criteria in suspected areas of the Site, based on the results of the Remedial Investigation field observations and sample analytical results. The sub-grids found to contain the waste soil that does not meet the criteria for acceptance at the beneficial use sites are listed in Attachment D. Some of these sub-grids were found to contain elevated lead concentrations and, therefore, failed the Toxicity Characteristic Leaching Procedure (TCLP) analysis. In addition to the sample collected at MW-3 in the Remedial Investigation Report, sub-grids 26A(0-6'), 29A(0-6'), and 53A(0-6') failed the TCLP analysis and are considered to contain characteristic hazardous waste (lead). There are three options to dispose this material: 1) remove the entire sub-grid as a hazardous waste (approximately \$122,500 extra for transportation and disposal); 2) remove a portion of each sub-grid (6' by 6' by 6') and sample the sidewalls and bottom for lead and TCLP-lead (approximately \$5,000 extra for transportation, disposal, and analysis of 5 samples); and 3) divide each sub-grid into five smaller sub-grids, with each sub-grid analyzed for lead and TCLP lead only (approximately \$24,500 for transportation, disposal and analysis of 12 samples). These estimated costs do not include excavation and AKRF time, because the equipment and staff will be at the site in any event. Sub-grid 32A(0-14'), originally considered to be utilized for beneficial use was found to contain lead in a concentration above 1,200 parts per million. STL performed a TCLP analysis on this sample; the sample was determined to be non-hazardous. This sub-grid will be sampled for disposal as waste fill and transported to the Clean Earth of Philadelphia, PA. The analytical results are included in Attachment H.

The construction and demolition material in Lot 8 is considered to be waste fill. Please be reminded that before this material is removed from the Site, all metal objects and other material not acceptable at the Philadelphia facility must be removed.

#### Endpoint Sampling

The analytical results of the collected endpoint samples have not been received for the entire former parking lot portion of Lot 43 or the southeastern portion of the Site along Lot 17, which is situated in the cellar of the Project Site. However, all of the endpoint samples, situated in the footprint of the areas of the building being excavated to approximately elevation 14.0 (excluding grids 49, 50, and 51), have been received. Based on the petroleum delineation and the characterization sampling, we have an indication of the lower limit of petroleum in this area; however, we did not want to collect endpoint samples below the plume that could result in contaminating the endpoint sample, resulting in a "false positive."

Regarding your specific concerns of the need to excavate below elevation 14.0 in the grids containing the cellar and sub-cellar, we offer the following information:

- The bedrock elevation in Grid Nos. 26, 27, 29, 30, 31, 34, 35, 38, 39, 42, 46, and 47 is above elevation 14.0. Unless the bedrock is found to be contaminated during removal, there is no need to excavate for waste removal beneath elevation 14.0.
- The soil at approximate elevation 14.0, which is above the bedrock in Grid Nos. 28, 32, 33, 36, 37, 41, 44, and 46, meets NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 Recommended Soil Cleanup Objective (RSCO) values.
- The soil at approximate elevation 14.0, which is above the bedrock in Grid Nos. 40, 43, and 45, contains one or metals in concentrations above Eastern US Background concentrations, referenced in TAGM #4046. We will need specific NYSDEC approval to consider that these grids meet TAGM #4046 RSCO criteria. The soil at elevation 14.0 in Grid No. 48 contains petroleum; the bedrock is situated approximately at elevation 13.0.



- In Grid Nos. 49, 50, 51, and 52, petroleum-contaminated soil was encountered downward to elevations 13.4, 12.9, 12.2, and 11.9, respectively. The endpoint sample in Grid No. 52 contained nickel at a concentration above the RSCO value; each of the other chemicals was below its RSCO value (NYSDEC approval will have to be obtained for this grid.), Grid Nos. 49 through 51 may have to be excavated deeper, should the analysis of the future endpoint samples indicate chemical concentrations above the RSCO values.

Additional Off-Site Receiving Facilities

We understand that the foundation contractor may wish to use one or more facilities other than the Clean Earth sites listed in this letter. Each of these sites has site-specific sample collection criteria involving analyses to be performed and sampling frequencies (cubic yards per sample). One facility, EnCap in Rutherford, New Jersey, has a requirement that the sample must be collected in the presence of a New Jersey certified professional, which did not occur at the West 61<sup>st</sup> Street Site. If the contractor proposes a different site, we suggest that the following occur:

- All additional sampling for waste characterization for the particular facility be undertaken and funded by the contractor.
- The contractor must provide a letter from the receiving facility stating that the material is acceptable for the facility, and include a copy of a current operation permit issued by the appropriate State agency regulating the facility.
- The contractor must provide the name and address of each hauling company proposed to transport each type of material. The hauler of the petroleum-contaminated and lead (failed TCLP analysis) wastes must provide a valid NYSDEC 6 New York Code of Rules and Regulations (NYCRR) Part 364 Transportation Permit, approved to transport these waste streams. In addition, the transporter of the contaminated lead waste must have an Environmental Protection Agency (EPA) Transporter Identification Number.

Additional Endpoint Testing

At the completion of the removal of on-site soil to the desired elevations, NYSDEC may require additional endpoint sampling of the sidewalls and bottom to supplement the endpoint sampling that has occurred in this present sampling effort.

On-Site Sampling and Analysis

We will be providing you shortly with more detailed costs for undertaking the sampling of the three elevated lead areas and the costs involved in testing for asbestos, ignitability, corrosivity, and reactivity for the sub-grids intended for shipment to the FDP facility in Jersey City, New Jersey.

If you have any questions, please contact me at your earliest convenience.

Respectfully,  
AKRF, Inc.

Michelle Lapin, P.E.  
Senior Vice President

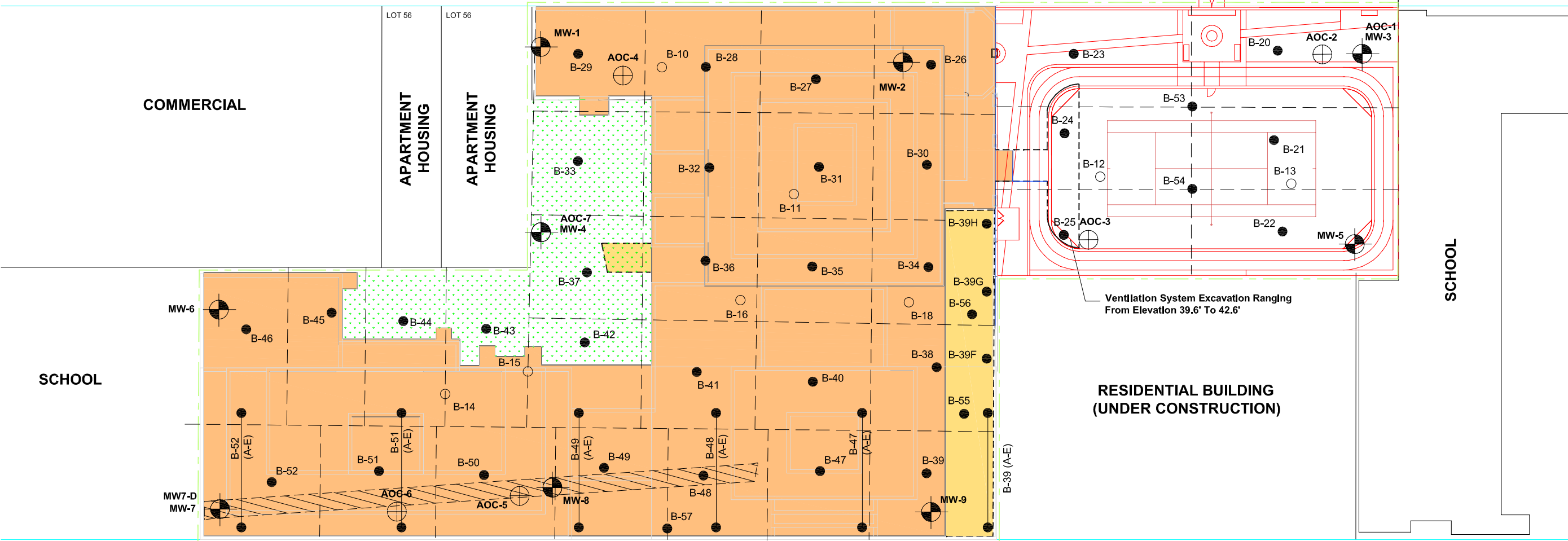
cc: Vincent Bagnoli, VJB Construction Corporation  
David Freeman, Paul, Hastings, Janofsky, & Walker, LLP  
James Case, Allied Environmental Group, Inc.

**FIGURE**

2006 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\10321 - Algin Properties W. 60th St\Figures\RAWP Figures\RAWP\_SP\_Figure\_1\_grid.dwg

# WEST 61ST STREET

SIDEWALK



SIDEWALK

# WEST 60TH STREET

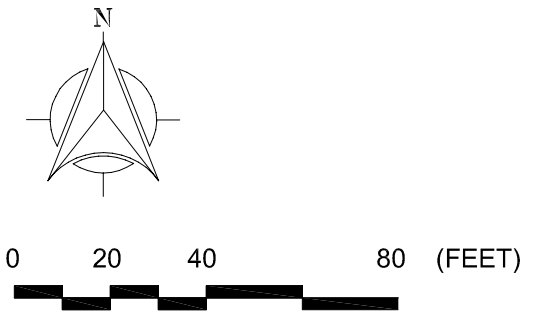
## Legend:

	GRID BOUNDARY		EXISTING GROUNDWATER MONITORING WELL INSTALLED DURING REMEDIAL INVESTIGATION. SOIL AND GROUNDWATER SAMPLES COLLECTED.
	AREA OF CONCERN		BORING DRILLED DURING REMEDIAL INVESTIGATION. SOIL SAMPLES COLLECTED.
	PROPOSED BUILDING		BORING LOCATION FOR WASTE CHARACTERIZATION AND ENDPOINT SAMPLING
	UST UNDERGROUND STORAGE TANK		BORING LOCATIONS FOR PETROLEUM INVESTIGATION
	AST ABOVEGROUND STORAGE TANK		
	COURTYARD EXCAVATION TO ELEVATION 37.0		
	SUB-CELLAR EXCAVATION TO ELEVATION 14.5 (MBD)		
	CELLAR EXCAVATION TO ELEVATION 30.0 (MBD)		

EACH GRID IS APPROXIMATELY 1,000 CUBIC YARDS PER 16 FT DEPTH

## Notes:

- AOC-1 ELEVATED LEAD IN SAMPLE B/MW-3 (0-2")
- AOC-2 ONE OR MORE USTS NEAR GATEHOUSE
- AOC-3 ONE OR MORE USTS IN SOUTHWEST CORNER OF PARKING LOT
- AOC-4 ONE OR MORE POTENTIAL USTS ON LOT 53
- AOC-5 ESTIMATED EXTENT OF PETROLEUM-CONTAMINATED SOIL AND/OR GROUNDWATER
- AOC-6 POSSIBLE VAULTED 1,050-GALLON TANK IN BASEMENT OF LOT 8
- AOC-7 ELEVATED ACETONE IN SAMPLE B/MW-4 (12-14)



NOTE: ELEVATIONS IN MANHATTAN BOROUGH DATUM (MBD)



**Environmental Consultants**  
440 Park Avenue South, New York, N.Y. 10016

**West 61st Street Site**  
New York, New York

**PROPOSED SAMPLE LOCATIONS FOR WASTE CHARACTERIZATION,  
PETROLEUM INVESTIGATION, AND ENDPOINT SAMPLING**

DATE  
**03.15.06**

SCALE  
**As Shown**

PROJECT No.  
**10321**

FIGURE No.  
**1**

**ATTACHMENT A**  
**SAMPLING AND ANALYTICAL REQUIREMENTS**

Table - 1  
 General Fill Acceptance Criteria - Former Allied Signal Site  
 Elizabeth, New Jersey

Contaminant	CASRN	(RDCSCC)	(NRDCSCC)	(IGWSCC)	Maximum Onsite Concentration	Revised Final Acceptance Criteria	Rationale
Acetone	67-64-1	1000(d)	1000(d)	100		1000	NRDCSCC
Acetone (2-propanone)	67-64-1	1000(d)	1000(d)	100		100	IGWSCC
Acrylonitrile	107-13-3	1	1	1		1	IGWSCC
Aldrin	309-00-2	0.04	0.17	50		0.17	NRDCSCC
Arochlor 1248	1248-33-7	10000(c)	10000(c)	100		10000	NRDCSCC
Antimony	7440-96-0	14	540	(h)	1660	1660	M.O.C.
Arsenic	7440-39-3	20 (e)	20 (e)	(h)	25	20	M.O.C.
Barium	7440-39-3	700	47000(u)	(h)		47000	NRDCSCC
Benzene	71-43-2	1	1	1		1	IGWSCC
Benzo(b)fluoranthene (3,4-Benzofluoranthene)	205-99-2	0.8	4	50	14	14	M.O.C.
Benzo(a)anthracene	124-51-8	0.3	4	50	15	15	M.O.C.
Benzo(a)pyrene (BaP)	50-32-8	0.05(f)	0.66(f)	100	8.3	8.3	M.O.C.
Benzo(k)fluoranthene	100-08-7	0.9	4	50	7	3	M.O.C.
Benzyl Alcohol	100-51-6	10000(c)	10000(c)	50		50	IGWSCC
Beryllium	7429-76-2	1 (f), 2 (e)	1 (f), 2 (e)	(h)	4.5	4.5	M.O.C.
Bis(2-chloroethyl) ether	111-44-4	0.66(f)	3	10		3	NRDCSCC
Bis(2-chloroisopropyl) ether	108-60-1	200	1000(c)	10		1000	NRDCSCC
Bis(2-ethylhexyl) phthalate	117-81-7	49	210	100		210	NRDCSCC
Bromochloromethane (Dichloromethane)	75-27-1	11	45	1		1	IGWSCC
Bromoform	75-26-2	86	370	1		1	IGWSCC
Bromomethane (Methyl bromide)	75-27-1	75	1000 (c)	1		1	IGWSCC
2-Butanone (Methyl ethyl ketone) (MEK)	78-93-3	1000 (d)	1000 (d)	50		50	IGWSCC
Butyl benzyl phthalate	85-38-7	500	10000 (c)	100		10000	NRDCSCC
Cadmium	7440-43-9	10 (g)	100	(h)		100	NRDCSCC
Carbon tetrachloride	56-23-5	2 (h)	4 (h)	1	1000	1	IGWSCC
4-Chloroaniline (p-Chloroaniline)	106-47-8	230	4200	(f)		4200	NRDCSCC
Chlorobenzene	108-90-4	17	660	1		1	IGWSCC
Chloroform	67-66-3	19 (k)	28 (k)	1	1500	1	IGWSCC
4-Chloro-3-methylphenol (p-Chlorocresol)	104-51-7	10000 (g)	10000 (c)	100		10000	NRDCSCC
Chloromethane (Methyl chloride)	74-87-3	520	1000 (d)	10		10	IGWSCC
2-Chlorophenol (o-Chlorophenol)	95-57-8	250	1200	10		500	NRDCSCC
Chromium - hexavalent (VI)	18540-28-9	240, 210 (u)	6100; 20 (g); (d)	(h)		60 (v)	NRDCSCC
Chromium - trivalent (III)	16063-01-1	120, 600	(h)	(h)		120000; 60 (v)	NRDCSCC
Chrysene	218-01-9	9	40	500		40	NRDCSCC
Cobalt	7440-50-9	600 (m)	500 (h)	(h)		500	NRDCSCC
Cyanide	57-12-5	1100	21000 (c)	(h)		21000	NRDCSCC
1,4-DBP (p,p'-DBP)	72-54-6	3	9	50		12	NRDCSCC
1,4'-DBP (p,p'-DDX)	72-55-9	2	9	50		9	NRDCSCC
1,4-DBP	50-29-8	2	9	500		9	NRDCSCC
Dibenz(a,h)anthracene	53-70-3	0.66 (f)	0.66 (f)	100	0.93	0.93	M.O.C.
Dibromochloromethane (Chlorobromomethane)	72-46-1	140	1000 (c)	1		1	IGWSCC
Di-n-butyl phthalate	84-74-2	5700	10000 (c)	100		10000	NRDCSCC
Di-ortho-phthalate	70-31-3	1000	10000 (c)	100		10000	NRDCSCC
1,2-Dichlorobenzene (o-Dichlorobenzene)	95-50-1	5100	10000 (c)	50		10000	NRDCSCC
1,2-Dichlorobenzene (p-Dichlorobenzene)	84-17-3	5100	10000 (c)	100		10000	NRDCSCC

Table - 1  
 General Fill Acceptance Criteria - Former Allied Signal Site  
 Elizabeth, New Jersey

Contaminant	CASRN	(RDCSCC)	(NRDCSCC)	(IGWSCC)	Maximum Ornith Concentration	Revised Final Acceptance Criteria	Rationale
1,4-Dichlorobenzene (p)	106-48-7	570	10000 (e)	100		10000	NRDCSCC
1,2-Dichlorobenzene	95-19-1	2	5	100		5	NRDCSCC
1,1-Dichloroethane	75-34-3	570	1000 (d)	10	1400	10	IGWSCC
1,2-Dichloroethane	78-07-2	5	24	100	1700	1	IGWSCC
1,1-Dichloroethene	75-35-4	8	150	10		10	IGWSCC
1,2-Dichloroethene (trans)	626-90-5	1000 (d)	1000 (e)	50		50	IGWSCC
1,2-Dichloroethene (cis)	166-59-2	79	1000 (d)	1		1	IGWSCC
1,1,1-Trichloroethane	72-13-3	170	3100	10		3100	NRDCSCC
1,2-Dichloropropane	78-87-5	10	43	(f)		10	IGWSCC
1,1,2-Trichloropropane (trans)	642-75-8	4	5 (k)	1		1	IGWSCC
Dieldrin	60-57-1	0.042	0.18	50		0.18	NRDCSCC
Diethyl phthalate	84-66-2	1000 (e)	1000 (f)	50		1000	NRDCSCC
2,4-Dimethyl phenol	106-87-0	1100	10000 (e)	10		10000	NRDCSCC
Dimethyl phthalate	131-11-5	10000 (e)	10000 (f)	50		10000	NRDCSCC
2,4-Dinitrophenol	51-28-5	110	2100	10		2100	NRDCSCC
Di-nitrotoluene (2,4-DNT mixture)	2534-114-8	110	1 (j)	10 (i)		1	NRDCSCC
Endosulfan	115-29-7	340	6200	50		6200	NRDCSCC
Endrin	72-20-8	17	210	50		210	NRDCSCC
Ethylbenzene	100-41-4	1000 (d)	1000 (d)	100		100	IGWSCC
Fluoranthene	206-44-0	2300	10000 (e)	100		10000	NRDCSCC
Fluorene	86-73-7	2300	10000 (e)	100		10000	NRDCSCC
Heptachlor	76-14-5	0.11	0.65	50		0.65	NRDCSCC
Hexachlorobenzene	118-74-1	0.66 (f)	2	100		100	NRDCSCC
Hexachlorobutadiene	37-57-3	1	27	100		27	NRDCSCC
Hexachlorocyclopentadiene	77-47-4	400	7300	100		7300	NRDCSCC
Hexachlorocyclopentadiene	57-72-1	5	100	100		100	NRDCSCC
Indeno(1,2,3-cd)pyrene	183-89-5	0.9	4	500		4	NRDCSCC
Isophorone	74-88-1	1100	10000 (e)	50		10000	NRDCSCC
Lead	7439-92-1	400 (p)	600 (q)	(h)	613	613	M.O.C.
Indene (gamma-BHC) (gamma-HCH)	50-34-0	0.57	27	50		27	NRDCSCC
2-Methylphenol (o-cresol)	95-48-7	2800	10000 (e)	(f)		10000	NRDCSCC
4-Methylphenol (p-cresol)	106-34-4	2800	10000 (e)	(f)		10000	NRDCSCC
Methoxychlor	72-43-5	280	5200	50		5200	NRDCSCC
Mercury	7439-97-6	14	270	(h)		270	NRDCSCC
4-Methyl-2-pentanone (MIBK)	108-10-1	1000 (n)	1000 (d)	50		50	IGWSCC
Methylene chloride (Dichloromethane)	75-09-2	19	210	1		1	IGWSCC
Naphthalene	91-20-3	230	4200	100		4200	NRDCSCC
Nitrate	7440-02-0	250	2400 (k) (m)	(i)		2400	NRDCSCC
Nitrobenzene	98-95-3	28	520	10		520	NRDCSCC
N-Nitrosodimethylamine	65-30-5	140	500	400		500	NRDCSCC
N-Nitrosodi-n-propylamine	821-64-7	0.66 (f)	0.66 (f)	10		0.66	NRDCSCC
PCBs (Polychlorinated biphenyls)	133-20-5	0.49	1	50	150	1	Being IGA/SCC and M.O.C.
Pentachlorophenol	87-36-5	6	24	100		24	NRDCSCC
Phenol	108-95-2	10000 (p)	10000 (e)	50		10000	NRDCSCC
Pyrene	129-00-0	1700	10000 (e)	100		10000	NRDCSCC
Selenium	782-45-8	60	3100 (n)	(h)		3100	NRDCSCC
Silver	7440-22-4	110	4100 (m)	(h)		4100	NRDCSCC
Styrene	100-42-5	23	37	100		100	IGWSCC
1,1,1,2-Tetrachloroethane	630-20-6	170	310	1		1	IGWSCC
1,1,2,2-Tetrachloroethane	78-34-8	34	70 (k)	1	17000	1	IGWSCC

**Table - 1**  
**General Fill Acceptance Criteria - Former Allied Signal Site**  
**Elizabeth, New Jersey**

Contaminant	CASRN	(RDCSCC)	(NRDCSCC)	(IGWSCC)	Maximum Onsite Concentration	Revised Final Acceptance Criteria	Rationale
Tetrachloroethene (Tetrachloroethylene) (PCE)	127-18-4	4 (k)	6 (k)	1	26	1	IGWSCC
Thallium	7440-28-1	2 (j)	2 (i)	(h)		2	NRDCSCC
Toluene	108-88-3	1000 (d)	1000 (d)	500		500	IGWSCC
Total Organic Contaminant Compounds	NA	10,000	10,000	—		10,000 (m)	
Total VOCs	NA	1,000	1,000	—		1000	
Hexachlorocyclopentadiene	6901-36-2	0.10 (k)	0.2 (i)	50		0.2	NRDCSCC
1,2,4-Trichlorobenzene	120-82-1	68	1200	100		100	IGWSCC
1,1,1-Trichloroethane	71-95-5	230	1000 (e)	50		50	IGWSCC
1,1,2-Trichloroethane	78-00-5	22	420	1		1	IGWSCC
Trichloroethene (Trichloroethylene) (TCE)	79-01-6	22	24 (k)	1	2000	1	IGWSCC
2,4,6-Trichlorophenol	88-06-4	5600	10000 (c)	50		10000	NRDCSCC
2,4-Dichlorophenol	83-06-2	62	270	10		270	NRDCSCC
Vanadium	7440-62-2	370	7100 (n)	(h)		7100	NRDCSCC
Vanadium Pentoxide	7440-62-2	370	7100 (n)	(h)		7100	NRDCSCC
Vanadium	7440-62-2	370	7100 (n)	(h)		7100	NRDCSCC
Vanadium	7440-62-2	370	7100 (n)	(h)		7100	NRDCSCC
Xylenes (Total)	1330-20-7	410	1000 (d)	[10] 67 (s)		67	IGWSCC
Zinc	7440-66-5	1500 (m)	1500 (m)	(i)		1500	NRDCSCC

**NJDEP Clean Up Criteria Notes**

- (a) Criteria are health based using an incidental ingestion exposure pathway except where noted below.
- (b) Criteria are subject to change based on site specific factors (e.g., aquifer classification, soil type, natural background, environmental impacts, etc.).
- (c) Health based criterion exceeds the 10,000 mg/kg maximum for total organic contaminants.
- (d) Health based criterion exceeds the 1000 mg/kg maximum for total volatile organic contaminants.
- (e) Cleanup standard proposal was based on natural background.
- (f) Health based criterion is lower than analytical limits; cleanup criterion based on practical quantitation level.
- (g) Criterion based on the inhalation exposure pathway.
- (h) The impact to ground water values for inorganic constituents will be developed based upon site specific chemical and physical parameters.
- (i) Site specific delimitation required for SCC for the allergic contact dermatitis exposure pathway.
- (j) Contaminant not regulated for this exposure pathway.
- (k) Criteria based on inhalation exposure pathway, which yielded a more stringent criterion than the incidental ingestion exposure pathway.
- (l) No criterion derived for this contaminant.
- (m) Criterion based on ecological (phytotoxicity) effects.
- (n) Level of the human health based criterion is such that evaluation for potential environmental impacts on a site by site basis is recommended.
- (o) Level of the criterion is such that evaluation for potential acute exposure hazard is recommended.
- (p) Criterion based on the USEPA Integrated Exposure Uptake Biokinetic (IEUBK) model utilizing the default parameters. The concentration is considered to be protective for children.
- (q) Criteria were derived from a model developed by the Society for Environmental Geochemistry and Health (SEGH) and were designed to be protective for children.
- (r) Insufficient information available to calculate impact to ground water criteria.
- (s) Criterion based on new drinking water standard.

**Site Specific Material Acceptance Criteria Notes**

- (1) NA



## Analytical Requirements For Clean Earth of Carteret, Inc.

### I. Contaminated Soil from Residential Source:

- TPH every 100 cubic yards (150 tons) - *NJ Method GC/FID OQA-QAM-025 or SW-846 Method 8015*
- VO Scan every 800 cubic yards (1200 tons) - *SW-846 Method 8260*

### II. Contaminated Soil from Commercial Source:

- TPH every 100 cubic yards (150 tons) - *NJ Method GC/FID OQA-QAM-025 or SW-846 Method 8015*
- VO Scan every 800 cubic yards (1200 tons) - *SW-846 Method 8260*
- PCB's every 800 cubic yards (1200 tons)
- TCLP RCRA Metals every 800 cubic yards (1200 tons)
- RCRA Characteristics (Ignitability, Corrosivity, Reactivity) every 800 cubic yards (1200 tons)
- PAH's every 800 cubic yards (1200 tons) - *SW-846 Method 8270*

### Notes:

1. Total TPH not to exceed 10,000 PPM/vol.
2. All Incoming Soil must be RCRA Non-Hazardous.
3. All Analysis must be performed by a New Jersey Certified Laboratory.
4. TPH Sampling Frequency: (5) 20 yard grabs composited for each 100 yards of material.
5. Other Sampling Frequency: (8) 100 yard grabs composited for each 800 yards of material.
6. Percent Moisture not to exceed 15 percent. (No Free Liquids – Must Pass Paint Filter Test).
7. PAH constituents exceeding NJNRDSCC are evaluated on a case-by-case basis.



**Clean Earth of Philadelphia**  
Analytical Acceptance Requirements

**Non-Petroleum Sources**

Frequency	Sample Type	Analysis	Method	Limit
First 90 Tons	Grab	Volatile Organics	8260B	<30,000
		TCLP Volatile Organics	1311/8260B	TCLP Limits
Second 90 Tons	Grab	Volatile Organics	8260B	<30,000
		TCLP Volatile Organics	1311/8260B	TCLP Limits
Every 180 tons thereafter	Grab	Volatile Organics	8260B	<30,000
		TCLP Volatile Organics	1311/8260B	TCLP Limits
Every 900 Tons	Composite	Semivolatile Organics	8270C	<400,000
		TCLP Metals**	1311/6010	TCLP Limits
		Ignitibility	1010	negative
		Corrosivity	9040	>2 - <12.5
		Reactivity-Sulfide/Cyanide	SW-846 7.3	RCRA Limits
		PCBs	8082	<50
		TOX	9023	<1000
Total Sulfur	ASTM D129	None		
TCLP Organics***	1311/8000	TCLP Limits		

\*\*Includes As, Ba, Cd, Cr, Cu, Hg, Ni, Pb, Se, Ag, Zn

**Coal Tar Sources**

Frequency	Sample Type	Analysis	Method	Limit
First 90 Tons	Grab	Volatile Organics	8260B	<30,000
		TPH- DRO to C-44	8015M*	<400,000
		Semivolatile Organics	8270C	<400,000
Second 90 Tons	Grab	Volatile Organics	8260B	<30,000
		TPH- DRO to C-44	8015M*	<400,000
		Semivolatile Organics	8270C	<400,000
Every 180 tons thereafter	Grab	Volatile Organics	8260B	<30,000
		TPH- DRO to C-44	8015M*	<400,000
		Semivolatile Organics	8270C	<400,000
Every 900 Tons	Composite	TCLP Metals**	1311/6010	TCLP Limits
		Ignitibility	1010	negative
		Corrosivity	9040	>2 - <12.5
		Reactivity-Sulfide/Cyanide	SW-846 7.3	RCRA Limits
		PCBs	8082	<50
		Total Sulfur	ASTM D129	None
TCLP Organics***	1311/8000	TCLP Limits		

\*\*Includes As, Ba, Cd, Cr, Cu, Hg, Ni, Pb, Se, Ag, Zn

Method 418.1M cannot be used for coal tar sources

\*\*\* Includes VOA, Semivoa, pesticides, herbicides

**ATTACHMENT B**  
**SAMPLING GRID DIMENSIONS AND VOLUMES**  
**WEST 61<sup>ST</sup> STREET SITE, NEW YORK, NY**

<b>Grid No.</b>	<b>N/S Distance (in feet)<sup>1</sup></b>	<b>E/W Distance (in feet)<sup>2</sup></b>	<b>Area (in square feet [sf])</b>	<b>Depth for 100 cubic yards (cy) (in feet)</b>	<b>Depth for 500 cy (in feet)</b>	<b>Depth for 1,000 cy (in feet)</b>
20	33.33'	75'	2500 sf	1.1'	2.2'	10.0'
21	33.33'	75'	2500 sf	1.1'	2.2'	10.0'
22	33.33'	75'	2500 sf	1.1'	2.2'	10.0'
23	33.33'	75'	2500 sf	1.1'	2.2'	10.0'
24	33.33'	75'	2500 sf	1.1'	2.2'	10.0'
25	33.33'	75'	2400 sf	1.1'	2.2'	10.0'
26	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
27	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
28	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
29	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
30	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
31	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
32	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
33	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
34	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
35	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
36	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
37	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
38	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
39	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
40	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
41	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
42	40'	43.75'	1750 sf	1.5'	7.7'	15.4'
43	58'	31.25'	1813 sf	1.5'	7.4'	14.9'
44	58'	31.25'	1813 sf	1.5'	7.4'	14.9'

**ATTACHMENT B**  
**SAMPLING GRID DIMENSIONS AND VOLUMES**  
**WEST 61<sup>ST</sup> STREET SITE, NEW YORK, NY**

<b>Grid No.</b>	<b>N/S Distance (in feet)<sup>1</sup></b>	<b>E/W Distance (in feet)<sup>2</sup></b>	<b>Area (in square feet [sf])</b>	<b>Depth for 100 cubic yards (cy) (in feet)</b>	<b>Depth for 500 cy (in feet)</b>	<b>Depth for 1,000 cy (in feet)</b>
45	58'	31.25'	1813 sf	1.5'	7.4'	14.9'
46	58'	31.25'	1813 sf	1.5'	7.4'	14.9'
47	42'	42.7'	1793 sf	1.5'	7.5'	15.1'
48	42'	42.7'	1793 sf	1.5'	7.5'	15.1'
49	42'	42.7'	1793 sf	1.5'	7.5'	15.1'
50	42'	42.7'	1793 sf	1.5'	7.5'	15.1'
51	42'	42.7'	1793 sf	1.5'	7.5'	15.1'
52	42'	42.7'	1793 sf	1.5'	7.5'	15.1'

Comment: Each grid is rectangular in shape.

Notes: <sup>1</sup> The “N/S Distance” represents the distance from the northern boundary of the grid to the southern boundary. The N/S distance is perpendicular to West 60<sup>th</sup> and West 61<sup>st</sup> Streets.

<sup>2</sup> The “E/W Distance” represents the distance from the eastern boundary of the grid to the western boundary. The E/W distance is parallel to West 60<sup>th</sup> and West 61<sup>st</sup> Streets.

**ATTACHMENT C**  
**SAMPLING GRIDS AND SUB-GRIDS**  
**WEST 61<sup>ST</sup> STREET SITE, NEW YORK, NY**

Grid No.	Depth to Final Grade	Sub-Grid Depth	Soil Type	Type of Sample	Grid Volume (cubic yards)
20	7'	7' – 1 Sampling Grid			
20A		0-6'	Fill	Waste Class./Beneficial Use	650 (6-VOC)
		6'-8'		Endpoint	
21	7'	7' – 1 Sampling Grid			
21A		0-6'	Fill	Waste Class./Beneficial Use	650 (6-VOC)
		6'-8'		Endpoint	
22	7'	7' – 1 Sampling Grid			
22A		0-6'	Fill	Waste Class./Beneficial Use	650 (6-VOC)
		6'-8'	Fill	Endpoint	
23	6'	6' – 1 Sampling Grid			
23A		0-6'	Fill	Waste Class./Beneficial Use	557 (6-VOC)
		6'-8'	Fill	Endpoint	
24	20'	14' – 2 Sampling Grids			
24A		0-6'	Fill	Waste Class./Beneficial Use	557 (6-VOC)
24B		6'-12'	Fill/NS	Beneficial Use	557
		12'-14'	BR	Endpoint	
25	20'	20' – 3 Sampling Grids			
25A		0-6'	Fill	Waste Class./Beneficial Use	557 (6-VOC)
25B		6'-12'	Fill/NS	Beneficial Use	557
25C		12'-18'	Fill/NS	Beneficial Use	557
		18'-20'	Fill/NS/BR	Endpoint	
26	33.5'	27' - 3 Sampling Sub-Grids			
26A		0-6'	Contaminated Fill	Waste Classification	388 (6-VOC)
26B		6'-20'	Fill	Beneficial Use	905
26C		20'-26'	NS	Beneficial Use	388
		26'-27'	NS/BR	Endpoint	
27	33'	30' – 3 Sampling Sub-Grids			
27A		0-10'	Fill	Beneficial Use	650
27B		10'-20'	Fill/NS	Beneficial Use	650
27C		20'-30'	Fill/NS	Beneficial Use	650
		30'-30.5'	NS/BR	Endpoint	

**ATTACHMENT C**  
**SAMPLING GRIDS AND SUB-GRIDS**  
**WEST 61<sup>ST</sup> STREET SITE, NEW YORK, NY**

Grid No.	Depth to Final Grade	Sub-Grid Depth	Soil Type	Type of Sample	Grid Volume (cubic yards)
28	30'	30' – 2 Sampling Sub-Grids			
28A		0-15'	Fill	Beneficial Use	970
28B		15'-30'	Fill/NS	Beneficial Use	970
		30'-30.5'	NS	Endpoint	
29	26'	26' – 3 Sampling Sub-Grids			
29A		0-6'	Contaminated Fill	Waste Classification	388 (5-VOC)
29B		6'-16'	Fill	Beneficial Use	650
29C		16'-24'	Fill/NS	Beneficial Use	520
		24'-26'	NS/BR	Endpoint	
30	33.5'	26' – 3 Sampling Sub-Grids			
30A		0-10'	Fill	Beneficial Use	650
30B		10'-18'	Fill/NS	Beneficial Use	520
30C		18'-24'	Fill/Petroleum	Waste Class. Pet.	388
		25'-26'	NS/BR	Endpoint	
31	33'	26' - 2 Sampling Sub-Grids			
31A		0-16'	Fill	Beneficial Use	1,035
31B		16'-25'	Fill/NS	Beneficial Use	582
		25'-26'	NS/BR	Endpoint	
32	30'	30' – 3 Sampling Sub-Grids			
32A		0-14'	Fill	Beneficial Use	905
32B		14'-20'	Fill/NS	Beneficial Use	388
32C		20'-30'	Fill/NS	Beneficial Use	650
		30'-31'	NS	Endpoint	
33	25'	25' – 2 Sampling Sub-Grids			
		2'-4'	Fill	Endpoint	
33A		0-12'	Fill	Beneficial Use	776
		10'-12'	Fill	Endpoint	
33B		12'-24'	Fill/NS	Beneficial Use	776
		24'-26'	NS	Endpoint	
34	34'	24' – 2 Sampling Sub-Grids			
34A		0-10'	Fill	Beneficial Use	650
34B		10'-24'	NS	Beneficial Use	905
		18'-18.5'	NS	Endpoint	
		24'-24.5'	NS/BR	Endpoint	
35	33'	30' – 3 Sampling Sub-Grids			
35A		0-10'	Fill	Beneficial Use	650

**ATTACHMENT C**  
**SAMPLING GRIDS AND SUB-GRIDS**  
**WEST 61<sup>ST</sup> STREET SITE, NEW YORK, NY**

Grid No.	Depth to Final Grade	Sub-Grid Depth	Soil Type	Type of Sample	Grid-Volume (cubic yards)
35B		10'-20'	Fill/NS	Beneficial Use	650
35C		20'-28'	Fill/NS	Beneficial Use	520
		28'-30'	NS/BR	Endpoint	
36	30'	30' - 3 Sampling Sub-Grids			
36A		0-10'	Fill	Beneficial Use	650
36B		10'-18'	Fill/NS	Beneficial Use	520
36C		18'-30'	Fill/NS	Beneficial Use	776
		30'-32'	NS	Endpoint	
37	24'	24' - 2 Sampling Sub-Grids			
		5'-6'	Fill	Endpoint	
37A		0-12'	Fill	Beneficial Use	776
		12'-14'	NS	Endpoint	
37B		12'-24'	NS	Beneficial Use	776
		24'-26'	NS/BR	Endpoint	
38	18'	18' - 2 Sampling Sub-Grids			
38A		0-10'	Fill	Beneficial Use	650
38B		10'-18'	NS	Beneficial Use	520
		18'-20'	NS/BR	Endpoint	
39	35'	20' - 2 Sampling Sub-Grids			
39A		0-12'	Fill	Beneficial Use MS/MSD, Duplicate	776
39B		12'-24'	Fill	Beneficial Use	776
		18'-20'	NS/BR	Endpoint (1 <sup>st</sup> boring)	
		24'-26'	NS/BR	Endpoint (2 <sup>nd</sup> boring)	
40	33.5'	34' - 3 Sampling Sub-Grids			
40A		0-10'	Fill	Beneficial Use	650
40B		10'-20'	Fill/NS	Beneficial Use	650
40C		20'-32'	Fill/NS	Beneficial Use	776
		32'-34'	NS/BR	Endpoint	
41	31'	31' - 3 Sampling Sub-Grids			
41A		0-10'	Fill	Beneficial Use	650
41B		10'-20'	Fill/NS	Beneficial Use	650
41C		20'-30'	Fill/NS	Beneficial Use	650
		30'-32'	NS/BR	Endpoint	
42	27'	24' - 2 Sampling Sub-Grids			
42A		0-12'	Fill	Beneficial Use	776
		2'-4'		Endpoint	

**ATTACHMENT C**  
**SAMPLING GRIDS AND SUB-GRIDS**  
**WEST 61<sup>ST</sup> STREET SITE, NEW YORK, NY**

Grid No.	Depth to Final Grade	Sub-Grid Depth	Soil Type	Type of Sample	Grid Volume (cubic yards)
42B		12'-22'	Fill	Beneficial Use	650
		14'-16'	NS	Endpoint	
		22'-24'	NS/BR	Endpoint	
43	25'	25' – 2 Sampling Sub-Grids			
43A		0-6'	C+D	Waste Classification	402 (6-VOC+?)
		2'-4'	NS	Endpoint	
43B		6'-14'	NS	Waste Classification	536 (6-VOC)
		14'-24'	NS	Beneficial Use	670
		24'-26'	NS	Endpoint	
44	24'	24' – 2 Sampling Sub-Grids			
44A		0-6'	C+D	Waste Classification	402 (5-VOC)
44B		6'-14'	NS	Waste Classification	536 (5-VOC)
44C		14'-24'	NS	Waste Class. Pet./Beneficial Use	670
		24'-26'	NS	Endpoint	
45	19'	19' – 2 Sampling Sub-Grids			
45A		0-6'	Fill/Petroleum	Waste Class. Pet.	402
45B		6'-18'	Fill/NS	Beneficial Use	804
		18'-20'	NS	Endpoint	
46	18'	18' – 2 Sampling Sub-Grids			
46A		0-6'	Fill	Waste Classification	402 (4-VOC)
46B		6'-14'	Fill/NS	Beneficial Use	536
		20'-22'	NS	Endpoint	
46C		14'-20'	NS/BR	Waste Class.Pet.	402
		Endpoint sampling after removal			
47	34'	22' – 3 Sampling Sub-Grids			
47A		0-10'	Fill	Beneficial Use	665
47B		10'-18'	Fill/NS	Waste Classification	532 (6-VOC)
47C		18'-22'	NS/BR	Waste Class. Pet.	266
		Endpoint sampling after removal			
48	31'	31' – 2 Sampling Sub-Grids			
48A		0-10'	Fill	Beneficial Use	665

**ATTACHMENT C**  
**SAMPLING GRIDS AND SUB-GRIDS**  
**WEST 61<sup>ST</sup> STREET SITE, NEW YORK, NY**

Grid No.	Depth to Final Grade	Sub-Grid Depth	Soil Type	Type of Sample	Grid Volume (cubic yards)
48B		10-16	Fill/NS	Waste Class. Pet.	402
48C		16'-24'	Fill/NS	Waste Class. Pet.	532
48D		24'-30'	Fill/NS	Waste Class. Pet.	402
Endpoint sampling after removal					
49	28'	28' – 3 Sampling Sub-Grids			
49A		0-10'	Fill	Beneficial Use	665
49B		10'- 20'	Fill/NS	Waste Class. Pet.	665
49C		20'-28'	NS/BR	Waste Class. Pet.	532
Endpoint sampling after removal					
50	25'	25' – 2 Sampling Sub-Grids			
50A		0-14'	C+D	Beneficial Use	931
50B		14'-20'	C+D/Fill/NS	Waste Class. Pet	402
		20'-26'	C+D/Fill/NS	Waste Class. Pet	402
Endpoint sampling after removal					
51	23'	23' – 2 Sampling Sub-Grids			
51A		0-12'	Fill/NS	Beneficial Use	798
51B		12'-18'	Fill/NS	Beneficial Use	402
51C		18'-24'	NS	Waste Class Pet.	402
Endpoint sampling after removal					
52	18'	18' – 3 Sampling Grids			
52A		0-6'	Fill	Waste Class./Beneficial Use	402 (4-VOC)
52B		6'-18'	Fill/NS	Waste Class. Pet.	798
52C		18'-20'	NS	Endpoint	
53	7'	7' – 1 Sampling Grid			
53A		0-6'	Fill	Waste Class./Beneficial Use	402 (6-VOC)
		6'-8'		Endpoint	
54	7'	7' – 1 Sampling Grid			
54A		0-6'	Fill	Waste Class./Beneficial Use	402 (8-VOC)
		6'-8'		Endpoint, MS/MSD, Duplicate	
55	24'	22' – 2 Sampling Grids			
55A		0-12'	Fill	Beneficial Use	
55B		12'-20'	NS	Beneficial Use	
		20'-22'	NS/BR	Endpoint	
56	24'	24' – 2 Sampling Grids			



**ATTACHMENT C**  
**SAMPLING GRIDS AND SUB-GRIDS**  
**WEST 61<sup>ST</sup> STREET SITE, NEW YORK, NY**

Grid No.	Depth to Final Grade	Sub-Grid Depth	Soil Type	Type of Sample	Grid Volume (cubic yards)
56A		0-12'	Fill	Beneficial Use	
56B		12'-24'	NS	Beneficial Use	
		24'-26'	NS/BR	Endpoint	
57		8'-10'	Above WT	VOCs, SVOCs Metals	
		12'-14'	WT interface	VOCs, SVOCs Metals	
		14'-16'	Bedrock interface	VOCs, SVOCs, Metals	

**Notes:**

Beneficial Use - Sampling for acceptance at former Allied Signal Site in Elizabeth, NJ.  
Waste Classification – Sampling for acceptance at Clean Earth of Philadelphia, Penn.  
Waste Class. Pet. – Sampling for acceptance at Clean Earth of Carteret, NJ.  
Endpoint – Sampling for New York State Department of Environmental Conservation (NYSDEC) cleanup criteria.  
C+D – Construction and demolition debris as defined in 6 New York Code of Rules and Regulations (NYCRR) Section 360-1.  
Fill – Fill material previously brought to the Site.  
NS – Native Soil – sand and silt with some gravel.  
BR – Bedrock  
Depth – Depth of excavation to final grade or to remove known petroleum contamination.  
Sub-Grid – Division of grid by elevation (depth range) to achieve 1,000-cubic yard volumes.

**ATTACHMENT D (REVISED 6/16/06)**  
**WASTE CHARACTERIZATION AND OFF-SITE DESTINATION**  
**WEST 61<sup>ST</sup> SITE, NEW YORK, NY**

<b>Grid No.</b>	<b>Sub-Grid</b>	<b>Depth (ft)</b>	<b>Waste Characterized As</b>	<b>Remarks</b>
<b>20</b>	20A	0-6'	Hazardous Waste – TCLP Lead at MW-3 (0-2')	Remove lead-contaminated soil and collect samples.
			Meets Waste Soil Criteria After Lead Hot Spot Removal	Clean Earth, Philadelphia, PA
			High Lead (721 ppm), Needs Additional Testing	FDP Site in Jersey City, NJ
	20A	6'-8'	End Point Sample	
<b>21</b>	21A	0-6'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	21A	6'-8'	End Point Sample	
<b>22</b>	22A	0-6'	Meets Beneficial Use Criteria,	Allied Signal, Elizabeth, NJ
	22B	6'-8'	End Point Sample	
<b>23</b>	23A	0-6'	Meets Waste Soil Criteria	Clean Earth, Philadelphia, PA
			High Lead (1,000 ppm), Needs Additional Testing	FDP Site in Jersey City, NJ
	23B	6'-8'	End Point Sample	
<b>24</b>	24A	0-6'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
			Meets Waste Soil Criteria	Clean Earth, Philadelphia, PA
	24B	6'-12'	High Lead (877 ppm), Needs Additional Testing	FDP Site in Jersey City, NJ
	24C	12'-14'	End Point Sample	
<b>25</b>	25A	0-6'	Meets Waste Soil Criteria	Clean Earth, Philadelphia, PA
			Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	25B	6'-12'	High Lead (697 ppm), Needs Additional Testing	FDP Site in Jersey City, NJ
	25C	12'-18'	Meets Beneficial Use Criteria,	Allied Signal, Elizabeth, NJ
	25D	18'-20'	End Point Sample	
<b>26</b>	26A	0-6'	Hazardous Waste-TCLP Lead	Remove lead-contaminated soil and collect samples
			Meets Waste Soil Criteria After Lead Hot Spot Removal	Clean Earth, Philadelphia, PA
	26B	6'-20'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	26C	20'-26'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	26D	26'-27'	End Pont Sample	

**ATTACHMENT D (REVISED 6/16/06)**  
**WASTE CHARACTERIZATION AND OFF-SITE DESTINATION**  
**WEST 61<sup>ST</sup> SITE, NEW YORK, NY**

<b>27</b>	27A	0-10'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	27B	10'-20'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	27C	20'-30'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	27D	30'-30.5'	End Point Sample	
<b>28</b>	28A	0-15'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	28B	15'-30'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	28C	30'-30.5'	End Point Sample	
<b>29</b>	29A	0-6'	Hazardous Waste - TCLP Lead	Remove lead-contaminated soil and collect samples
			Meets Waste Soil Criteria After Lead Hot Spot Removal	Clean Earth, Philadelphia, PA
	29B	6'-16'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	29C	16'-24'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	29D	24'-26'	End Point Sample	
<b>30</b>	30A	0-10'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	30B	10'-18'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	30C	18'-24'	Appears to Meet Petroleum Criteria (Needs Paint Filter Analysis for % Solids)	Clean Earth, Carteret, NJ
	30D	24'-26'	End Point Sample	
<b>31</b>	31A	0-16'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	31B	16'-25'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	31C	25'-26'	End Point Sample	
<b>32</b>	32A	0-14'	High Lead, passed TCLP, Needs Waste Class Sampling Parameters	Clean Earth, Philadelphia, PA
	32B	14'-20'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	32C	20'-30'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	32D	30'-31'	End Point Sample	
<b>33</b>	33A	0-12'	High Lead (730 ppm), Needs Additional Sampling	FDP Site in Jersey City, NJ
	33B	12'-24'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	33C	24'-26'	End Point Sample	
<b>34</b>	34A	0-10'	High Lead (917 ppm), Needs	FDP Site in Jersey City, NJ

**ATTACHMENT D (REVISED 6/16/06)**  
**WASTE CHARACTERIZATION AND OFF-SITE DESTINATION**  
**WEST 61<sup>ST</sup> SITE, NEW YORK, NY**

			Additional sampling	
	34B	10'-24'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	34C	24'-24.5'	End Point Sample	
<b>35</b>	35A	0-10'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	35B	10'-20'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	35C	20'-28'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	35D	28'-30'	End Point Sample	
<b>36</b>	36A	0-10'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	36B	10'-18'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	36C	18'-30'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	36D	30'-32'	End Point Sample	
<b>37</b>	37A	0-12'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	37B	12'-24'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	37C	24'-26'	End Point Sample	
<b>38</b>	38A	0-10'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	38B	10'-18'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	38C	18'-20'	End Point Sample	
<b>39</b>	39A	0-12'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	39B	12'-24'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	39C	24'-26'	End Point Sample	
<b>40</b>	40A	0-10'	High Lead (1,160 ppm), Needs additional sampling	FDP Site in jersey City, NJ
	40B	10'-20'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	40C	20'-32'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	40D	32'-34'	End Point Sample	
<b>41</b>	41A	0-10'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	41B	10'-20'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	41C	20'-30'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	41D	30'-32'	End Point Sample	
<b>42</b>	42A	0-12'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	42B	12'-22'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	42C	22'-24'	End Point Sample	

**ATTACHMENT D (REVISED 6/16/06)**  
**WASTE CHARACTERIZATION AND OFF-SITE DESTINATION**  
**WEST 61<sup>ST</sup> SITE, NEW YORK, NY**

<b>43</b>	43A	0-6'	Meets Waste Soil Criteria	Clean Earth, Philadelphia, PA
	43B	6'-14'	Meets Waste Soil Criteria	Clean Earth, Philadelphia, PA
	43C	14'-24'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	43D	24'-26'	End Point Sample	
<b>44</b>	44A	0-6'	Meets Waste Soil Criteria	Clean Earth, Philadelphia, PA
	44B	6'-14'	Meets Waste Soil Criteria	Clean Earth, Philadelphia, PA
	44C	14'-24'	Meets Petroleum Criteria	Clean Earth, Carteret, NJ
			Appears to Meet Beneficial Use Criteria - Needs tests for 1,1,1 TCA, 1,3 dichlorobenzene, and acrylonitrile	Allied Signal, Elizabeth, NJ
44D	24'-26'	End Point Sample		
<b>45</b>	45A	0-6'	Meets Petroleum Criteria	Clean Earth, Carteret, NJ
	45B	6'-18'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	45C	18'-20'	End Point Sample	
<b>46</b>	46A	0-6'	Meets Waste Soil Criteria	Clean Earth, Philadelphia, PA
	46B	6'-14'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	46C	14'-20'	Meets Petroleum Criteria	Clean Earth, Carteret, NJ
<b>47</b>	47A	0-10'	High SVOCs – Resampled on 6/9/06 for Petroleum Waste Parameters	Clean Earth, Carteret, NJ
	47B	10'-18'	Meets Waste Soil Criteria	Clean Earth, Philadelphia, PA
	47C	18'-24'	Meets Petroleum Criteria	Clean Earth, Carteret, NJ
<b>48</b>	48A	0-10'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	48B	10'-16'	Appears to Meet Petroleum Criteria. Needs VOCs and additional TPH tests	Clean Earth, Carteret, NJ
	48C	16'-24'	High Sulfide, otherwise meets Petroleum Criteria	Clean Earth, Carteret, NJ
	48D	24'-30'	High Sulfide, otherwise meets Petroleum Criteria	Clean Earth, Carteret, NJ
<b>49</b>	49A	0-10'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	49B	10'-20'	Meets Petroleum Criteria	Clean Earth, Carteret, NJ
	49C	20'-28'	Meets Petroleum Criteria	Clean Earth, Carteret, NJ
<b>50</b>	50A	0-14'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ

**ATTACHMENT D (REVISED 6/16/06)**  
**WASTE CHARACTERIZATION AND OFF-SITE DESTINATION**  
**WEST 61<sup>ST</sup> SITE, NEW YORK, NY**

	50B	14'-20'	Meets Petroleum Criteria	Clean Earth, Carteret, NJ
	50C	20'-26'	High Sulfide, otherwise meets Petroleum Criteria	Clean Earth, Carteret, NJ
<b>51</b>	51A	0-12'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	51B	12'-18'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	51C	18'-24'	Meets Petroleum Criteria	Clean Earth, Carteret, NJ
<b>52</b>	52A	0-6'	Meets Waste Soil Criteria	Clean Earth, Philadelphia, PA
	52B	6'-18'	Appears to Meet Petroleum Criteria -Needs Paint Filter for % Solids, SVOCs, and PCBs	Clean Earth, Carteret, NJ
	52C	18'-20'	End Point Sample	
<b>53</b>	53A	0-6'	Hazardous Waste-TCLP Lead	Remove lead - contaminated soil and collect samples
	53B	6'-8'	Covered in Adjacent Grids	
<b>54</b>	54A	0-6'	Covered in Adjacent Grids – Use Analysis For Sub-Grid 25A	FDP Site in Jersey City, NJ
	54B	6'-8'	End Point Sample	
<b>55</b>	55A	0-12'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	55B	12'-20'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	55C	20'-22'	End Point Sample	
<b>56</b>	56A	0-12'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	56B	12'-24'	Meets Beneficial Use Criteria	Allied Signal, Elizabeth, NJ
	56C	24'-26'	End Point Sample	
<b>57</b>	57A	8'-10'	Con Ed Vault	
	57B	12'-14'		
	57C	14'-16'		

**ATTACHMENT E**  
**PETROLEUM DELINEATION**  
**WEST 61<sup>ST</sup> STREET SITE, NEW YORK, NY**

Location	Depth of Sample	Soil Type	Sample Type	Purpose of Sample / Parameters
B-39A	7.5'-8'	Fill	Grab	Elevated PID reading, clean above this zone.
	14.5'-15'	Native/BR	Grab	Clean at bottom of boring/bedrock.
B-39C	5.5'-6'	Fill	Grab	Clean above water table.
	15.5'-16'	Native/BR	Grab	Clean at bottom of boring/bedrock.
B-39E	5.5'-6'	Fill	Grab	Clean above water table.
	10.5'-11'	Native/BR	Grab	Clean at bottom of boring/bedrock.
B-39F	6.5'-7'	Fill	Grab	Clean above water table.
	19.5'-20'	Native	Grab	Clean at bottom of boring.
B-39G	3.5'-4'	Fill	Grab	Elevated PID.
	14.5'-15'	Native	Grab	End of contaminated zone, and clean above water table.
	16.5'-17'	Native	Grab	Clean below water table.
B39H	2'-2.5'	Fill	Grab	Elevated PID.
	10'-10.5'	Fill	Grab	End of contaminated zone, and clean above water table.
	16.5'-17'	Native	Grab	Clean below water table.
B-39I	3.5'-4'	Fill	Grab	Elevated PID.
	6.5'-7'	Fill	Grab	End of contaminated zone.
	14.5'-15'	Fill	Grab	Clean in smear zone.
	17.5'-18'	Native	Grab	Contaminated in water table.
	22'-22.5'	Native	Grab	Bedrock interface and elevated PID.
B-47A	16'-16.5'	Native	Grab	Clean above water table.
	17.5'-18'	Native	Grab	Bedrock interface – Elevated PID.
B-47C	31'-31.5'	Native/BR	Grab	Clean (entire boring clean).
	33'-33.5'	Native/BR	Grab	Clean.
B-47E	7.5'-8'	Fill	Grab	Elevated PID.
	15'-15.5'	Native	Grab	Clean zone/Endpoint.
	18'-18.5'	Native	Grab	Clean in water table.
B-48A	16'-16.5'	Native	Grab	Clean above water table.
	21'-21.5'	Native	Grab	Contaminated zone in water table.
	26'-26.5'	Native	Grab	Clean zone/endpoint.
B-48C	15'-15.5'	Native	Grab	Contaminated above water table.
	17'-17.5'	Native	Grab	Contaminated in smear zone.
	18.5'-19'	Native	Grab	Contaminated in water table.
	25'-25.5'	Native	Grab	Clean zone.
B-48E	15.5'-16'	Fill	Grab	Clean above water table.
	21'-21.5'	Native	Grab	Beginning of contaminated zone – elevated PID.
	23'-23.5'	Native.	Grab	Clean zone.
B-48F	19'-19.5'	Native	Grab	Clean above water table.
	22'-22.5'	Native	Grab	Clean in water table.
B-49A	13'-13.5'	Native	Grab	Clean above water table .
	16.5'-17'	Native	Grab	Clean in water table.
B-49C	16'-16.5'	Native	Grab	Bottom of clean interval/smear zone.

**ATTACHMENT E  
PETROLEUM DELINEATION  
WEST 61<sup>ST</sup> STREET SITE, NEW YORK, NY**

Location	Depth of Sample	Soil Type	Sample Type	Purpose of Sample / Parameters
	19'-19.5'	Native	Grab	Contaminated zone.
	24'-25'	Native	Grab	Clean below contamination/endpoint.
B-49D	14'-14.5'	Native	Grab	Bottom of clean zone.
	16.5'-17'	Native	Grab	Top of contaminated zone/highest PID.
	22.5'-23'	Native	Grab	Clean below contamination.
B-49E	16.5'-17'	Native	Grab	Clean above water table.
	19'-19.5'	Native	Grab	Clean in water table.
B-51A	8'-8.5'	Fill	Grab	Clean above water table.
	11.5'-12'	Native	Grab	Contaminated in water table/refusal.
B-51D	13.5'-14'	Native	Grab	Clean above water table.
	18'-18.5'	Native	Grab	Contaminated in water table.
	22.5'-23'	Native	Grab	Clean zone below contamination.
B-51E	13.5'-14'	Native/Fill	Grab	Clean in smear zone (entire boring clean).
B-51F	17'-17.5'	Native	Grab	Clean above water table.
	20'-20.5'	Native	Grab	Contaminated in water table.
B-52A	12'-14'	Fill	Grab	Clean in smear zone.
	14'-16'	Native	Grab	Contaminated in water table.
	26'-28'	Native	Grab	Contaminated into weathered bedrock.
B-52E	2'-4'	Fill	Grab	Contaminated zone.
	10'-12'	Native	Grab	Clean below contaminated zone.
	15.5'-16'	Native	Grab	Contaminated zone in water table.
	24'-26'	Native	Grab	Clean below contamination.
B-52E-N20	15.5'-16'	Fill	Grab	Bottom of clean zone.
	19.5'-20'	Native	Grab	Top of contaminated zone (water table).
	28'-28.5'	Native	Grab	Clean zone below contamination.
B-52E-N30	10'-10.5'	Native	Grab	Bottom of clean zone.
	13.5'-14'	Native	Grab	Contaminated zone.
	20'-20.5'	Native	Grab	Clean zone below contamination.

Notes:

- 1) C&D – Construction and demolition debris as defined in 6 New York Code of Rules and Regulations (NYCRR) Subpart 360-1.
- 2) NJDEP – New Jersey Department of Environmental Protection
- 3) PID – Photoionization Detector – used to detect volatile organic compounds in soil samples.
- 4) Native – Native soil, BR - Bedrock

**Sampling Rationale:** Samples were collected to determine the horizontal and vertical extent of petroleum contamination. In areas where no contamination was apparent, one sample was collected at a depth two to three feet above the groundwater, and a second soil sample was collected at or below the groundwater interface. If the interface appeared to be uncontaminated, the boring is considered to be completed and the two samples were analyzed for confirmation. If contamination was evident at or below the groundwater interface, a confirmatory sample from the uncontaminated soil or soil at the bedrock interface was collected. All samples were analyzed for volatile organic compounds (VOCs) using Environmental Protection Agency (EPA) Method 8260, following NJDEP Protocol.



WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-39A(7.5-8) 212414-001 1 3/20/2006 ug/Kg	B-39A(14.5-15) 212414-002 1 3/20/2006 ug/Kg	B-39C(5.5-6) 212414-005 1 3/20/2006 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	62 U	57 U	63 U
Vinyl chloride	200	99 U	91 U	100 U
Bromomethane	*	150 U	140 U	150 U
Chloroethane	1,900	99 U	91 U	100 U
Acrolein	NS	970 U	890 U	980 U
1 1-Dichloroethene	400	87 U	80 U	88 U
Acetone	200	210 J	160 U	210 J
Methylene chloride	100	76 JB	71 JB	88 JB
trans-1 2-Dichloroethene	300	62 U	57 U	63 U
Acrylonitrile	NS	200 U	180 U	200 U
1 1-Dichloroethane	200	75 U	69 U	75 U
cis-1 2-Dichloroethene	*	75 U	69 U	75 U
2-Butanone (MEK)	*	150 U	140 U	150 U
Chloroform	300	87 U	80 U	88 U
1 1 1-Trichloroethane	800	50 U	46 U	50 U
Carbon tetrachloride	600	120 U	110 U	130 U
Benzene	60	50 U	46 U	50 U
1 2-Dichloroethane	100	75 U	69 U	75 U
Trichloroethene	700	87 U	80 U	88 U
1 2-Dichloropropane	*	110 U	100 U	110 U
Bromodichloromethane	*	50 U	46 U	50 U
2-Chloroethylvinylether	NS	75 U	69 U	75 U
cis-1 3-Dichloropropene	*	62 U	57 U	63 U
4-Methyl-2-pentanone (MIBK)	1,000	87 U	80 U	88 U
Toluene	1,500	37 U	34 U	200 J
trans-1 3-Dichloropropene	*	37 U	34 U	38 U
1 1 2-Trichloroethane	6,000	75 U	69 U	75 U
Tetrachloroethene	1,400	62 U	57 U	63 U
Dibromochloromethane	*	62 U	57 U	63 U
Chlorobenzene	1,700	50 U	46 U	50 U
1 1 1 2-Tetrachloroethane	600	87 U	80 U	88 U
Ethylbenzene	5,500	120 U	110 U	130 U
Styrene	*	62 U	57 U	63 U
Bromoform	*	99 U	91 U	100 U
1 1 2 2-Tetrachloroethane	600	50 U	46 U	50 U
Xylenes (total)	1,200	120 U	110 U	130 U
1 3-Dichlorobenzene	1,600	75 U	69 U	75 U
1 4-Dichlorobenzene	8,500	62 U	57 U	63 U
1 2-Dichlorobenzene	7,900	75 U	69 U	75 U
1 2 4-Trichlorobenzene	3,400	110 U	100 U	110 U
Naphthalene	13,000	62 U	260 J	63 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene Chloride

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-39C(15.5-16) 212414-006 1 3/20/2006 ug/Kg	B-39E(5.5-6) 212414-003 1 3/20/2006 ug/Kg	B-39E(10.5-11) 212414-004 1 3/20/2006 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	62 U	96 U	55 U
Vinyl chloride	200	99 U	150 U	89 U
Bromomethane	*	150 U	230 U	130 U
Chloroethane	1,900	99 U	150 U	89 U
Acrolein	NS	970 U	1500 U	860 U
1 1-Dichloroethene	400	87 U	130 U	77 U
Acetone	200	170 U	<b>320 J</b>	150 U
Methylene chloride	100	59 JB	<b>160 JB</b>	84 JB
trans-1 2-Dichloroethene	300	62 U	96 U	55 U
Acrylonitrile	NS	200 U	310 U	180 U
1 1-Dichloroethane	200	74 U	110 U	66 U
cis-1 2-Dichloroethene	*	74 U	110 U	66 U
2-Butanone (MEK)	*	150 U	230 U	130 U
Chloroform	300	87 U	130 U	77 U
1 1 1-Trichloroethane	800	49 U	76 U	44 U
Carbon tetrachloride	600	120 U	190 U	110 U
Benzene	60	49 U	76 U	44 U
1 2-Dichloroethane	100	74 U	110 U	66 U
Trichloroethene	700	87 U	130 U	77 U
1 2-Dichloropropane	*	110 U	170 U	100 U
Bromodichloromethane	*	49 U	76 U	44 U
2-Chloroethylvinylether	NS	74 U	110 U	66 U
cis-1 3-Dichloropropene	*	62 U	96 U	55 U
4-Methyl-2-pentanone (MIBK)	1,000	87 U	130 U	77 U
Toluene	1,500	37 U	57 U	33 U
trans-1 3-Dichloropropene	*	37 U	57 U	33 U
1 1 2-Trichloroethane	6,000	74 U	110 U	66 U
Tetrachloroethene	1,400	62 U	96 U	55 U
Dibromochloromethane	*	62 U	96 U	55 U
Chlorobenzene	1,700	49 U	76 U	44 U
1 1 1 2-Tetrachloroethane	600	87 U	130 U	77 U
Ethylbenzene	5,500	120 U	190 U	110 U
Styrene	*	62 U	96 U	55 U
Bromoform	*	99 U	150 U	89 U
1 1 2 2-Tetrachloroethane	600	49 U	76 U	44 U
Xylenes (total)	1,200	120 U	190 U	110 U
1 3-Dichlorobenzene	1,600	74 U	110 U	66 U
1 4-Dichlorobenzene	8,500	62 U	96 U	55 U
1 2-Dichlorobenzene	7,900	74 U	110 U	66 U
1 2 4-Trichlorobenzene	3,400	110 U	170 U	100 U
Naphthalene	13,000	62 U	96 U	55 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-39F(6.5-7) 212414-007 1 3/21/2006 ug/Kg	B-39F(19.5-20) 212414-008 1 3/21/2006 ug/Kg	B-39G(3.5-4) 212414-009 1 3/21/2006 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	100 U	44 U	55 U
Vinyl chloride	200	170 U	71 U	88 U
Bromomethane	*	250 U	110 U	130 U
Chloroethane	1,900	170 U	71 U	88 U
Acrolein	NS	1600 U	690 U	860 U
1 1-Dichloroethene	400	150 U	62 U	77 U
Acetone	200	<b>540 J</b>	120 U	<b>270 J</b>
Methylene chloride	100	<b>170 JB</b>	65 JB	70 JB
trans-1 2-Dichloroethene	300	100 U	44 U	55 U
Acrylonitrile	NS	330 U	140 U	180 U
1 1-Dichloroethane	200	130 U	53 U	66 U
cis-1 2-Dichloroethene	*	130 U	53 U	66 U
2-Butanone (MEK)	*	250 U	110 U	130 U
Chloroform	300	150 U	62 U	77 U
1 1 1-Trichloroethane	800	84 U	35 U	44 U
Carbon tetrachloride	600	210 U	88 U	110 U
Benzene	60	84 U	35 U	44 U
1 2-Dichloroethane	100	130 U	53 U	66 U
Trichloroethene	700	150 U	62 U	77 U
1 2-Dichloropropane	*	190 U	80 U	99 U
Bromodichloromethane	*	84 U	35 U	44 U
2-Chloroethylvinylether	NS	130 U	53 U	66 U
cis-1 3-Dichloropropene	*	100 U	44 U	55 U
4-Methyl-2-pentanone (MIBK)	1,000	150 U	62 U	77 U
Toluene	1,500	63 U	27 U	33 U
trans-1 3-Dichloropropene	*	63 U	27 U	33 U
1 1 2-Trichloroethane	6,000	130 U	53 U	66 U
Tetrachloroethene	1,400	100 U	44 U	55 U
Dibromochloromethane	*	100 U	44 U	55 U
Chlorobenzene	1,700	84 U	35 U	44 U
1 1 1 2-Tetrachloroethane	600	150 U	62 U	77 U
Ethylbenzene	5,500	210 U	88 U	110 U
Styrene	*	100 U	44 U	55 U
Bromoform	*	170 U	71 U	88 U
1 1 2 2-Tetrachloroethane	600	84 U	35 U	44 U
Xylenes (total)	1,200	210 U	88 U	110 U
1 3-Dichlorobenzene	1,600	130 U	53 U	66 U
1 4-Dichlorobenzene	8,500	100 U	44 U	55 U
1 2-Dichlorobenzene	7,900	130 U	53 U	66 U
1 2 4-Trichlorobenzene	3,400	190 U	80 U	99 U
Naphthalene	13,000	100 U	44 U	55 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-39G(14.5-15) 212414-010 1 3/21/2006 ug/Kg	B-39G(16.5-17) 212414-011 1 3/21/2006 ug/Kg	B-39H(2-2.5) 212414-012 1 3/21/2006 ug/Kg
Chloromethane	*	55 U	68 U	86 U
Vinyl chloride	200	88 U	110 U	140 U
Bromomethane	*	130 U	160 U	210 U
Chloroethane	1,900	88 U	110 U	140 U
Acrolein	NS	860 U	1100 U	1300 U
1 1-Dichloroethene	400	77 U	95 U	120 U
Acetone	200	150 U	<b>370 J</b>	240 U
Methylene chloride	100	78 JB	95 JB	<b>120 JB</b>
trans-1 2-Dichloroethene	300	55 U	68 U	86 U
Acrylonitrile	NS	180 U	220 U	280 U
1 1-Dichloroethane	200	66 U	82 U	100 U
cis-1 2-Dichloroethene	*	66 U	82 U	100 U
2-Butanone (MEK)	*	130 U	160 U	210 U
Chloroform	300	77 U	95 U	120 U
1 1 1-Trichloroethane	800	44 U	54 U	69 U
Carbon tetrachloride	600	110 U	140 U	170 U
Benzene	60	44 U	54 U	69 U
1 2-Dichloroethane	100	66 U	82 U	<b>1800</b>
Trichloroethene	700	77 U	95 U	120 U
1 2-Dichloropropane	*	99 U	120 U	160 U
Bromodichloromethane	*	44 U	54 U	69 U
2-Chloroethylvinylether	NS	66 U	82 U	100 U
cis-1 3-Dichloropropene	*	55 U	68 U	86 U
4-Methyl-2-pentanone (MIBK)	1,000	77 U	95 U	120 U
Toluene	1,500	33 U	41 U	100 J
trans-1 3-Dichloropropene	*	33 U	41 U	52 U
1 1 2-Trichloroethane	6,000	66 U	82 U	100 U
Tetrachloroethene	1,400	55 U	68 U	86 U
Dibromochloromethane	*	55 U	68 U	86 U
Chlorobenzene	1,700	44 U	54 U	69 U
1 1 1 2-Tetrachloroethane	600	77 U	95 U	120 U
Ethylbenzene	5,500	110 U	140 U	170 U
Styrene	*	55 U	68 U	86 U
Bromoform	*	88 U	110 U	140 U
1 1 2 2-Tetrachloroethane	600	44 U	54 U	69 U
Xylenes (total)	1,200	110 U	140 U	170 U
1 3-Dichlorobenzene	1,600	66 U	82 U	100 U
1 4-Dichlorobenzene	8,500	55 U	68 U	86 U
1 2-Dichlorobenzene	7,900	66 U	82 U	100 U
1 2 4-Trichlorobenzene	3,400	99 U	120 U	160 U
Naphthalene	13,000	55 U	68 U	86 U

**CLEAN**

LAB CONTAMINANTS - Acetone and Methylene

**CONTAMINATED - PETROLEUM**

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-39H(10-10.5) 212414-013 1 3/21/2006 ug/Kg	B-39H(16.5-17) 212414-014 1 3/21/2006 ug/Kg	B-39I(3.5-4) 212414-015 1 3/21/2006 ug/Kg
Chloromethane	*	54 U	50 U	66 U
Vinyl chloride	200	86 U	80 U	110 U
Bromomethane	*	130 U	120 U	160 U
Chloroethane	1,900	86 U	80 U	110 U
Acrolein	NS	830 U	780 U	1000 U
1 1-Dichloroethene	400	75 U	70 U	93 U
Acetone	200	<b>260 J</b>	170 J	<b>290 J</b>
Methylene chloride	100	93 JB	76 JB	<b>220 JB</b>
trans-1 2-Dichloroethene	300	54 U	50 U	66 U
Acrylonitrile	NS	170 U	160 U	210 U
1 1-Dichloroethane	200	64 U	60 U	79 U
cis-1 2-Dichloroethene	*	64 U	60 U	79 U
2-Butanone (MEK)	*	130 U	120 U	160 U
Chloroform	300	75 U	70 U	93 U
1 1 1-Trichloroethane	800	43 U	40 U	53 U
Carbon tetrachloride	600	110 U	100 U	130 U
Benzene	60	43 U	40 U	53 U
1 2-Dichloroethane	100	64 U	60 U	79 U
Trichloroethene	700	75 U	70 U	93 U
1 2-Dichloropropane	*	96 U	91 U	120 U
Bromodichloromethane	*	43 U	40 U	53 U
2-Chloroethylvinylether	NS	64 U	60 U	79 U
cis-1 3-Dichloropropene	*	54 U	50 U	66 U
4-Methyl-2-pentanone (MIBK)	1,000	75 U	70 U	93 U
Toluene	1,500	32 U	30 U	40 U
trans-1 3-Dichloropropene	*	32 U	30 U	40 U
1 1 2-Trichloroethane	6,000	64 U	60 U	79 U
Tetrachloroethene	1,400	54 U	50 U	66 U
Dibromochloromethane	*	54 U	50 U	66 U
Chlorobenzene	1,700	43 U	40 U	53 U
1 1 1 2-Tetrachloroethane	600	75 U	70 U	93 U
Ethylbenzene	5,500	110 U	100 U	130 U
Styrene	*	54 U	50 U	66 U
Bromoform	*	86 U	80 U	110 U
1 1 2 2-Tetrachloroethane	600	43 U	40 U	53 U
Xylenes (total)	1,200	110 U	100 U	130 U
1 3-Dichlorobenzene	1,600	64 U	60 U	79 U
1 4-Dichlorobenzene	8,500	54 U	50 U	66 U
1 2-Dichlorobenzene	7,900	64 U	60 U	79 U
1 2 4-Trichlorobenzene	3,400	96 U	91 U	120 U
Naphthalene	13,000	54 U	50 U	66 U

**CLEAN**

LAB CONTAMINANTS - Acetone and Methylene

**CONTAMINATED - PETROLEUM**

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-39I(6.5-7) 212414-016 1 3/21/2006 ug/Kg	B-39I(14.5-15) 212414-017 1 3/21/2006 ug/Kg	B-39I(17.5-18) 212414-018 1 3/21/2006 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	60 U	56 U	54 U
Vinyl chloride	200	96 U	89 U	86 U
Bromomethane	*	140 U	130 U	130 U
Chloroethane	1,900	96 U	89 U	86 U
Acrolein	NS	940 U	870 U	840 U
1 1-Dichloroethene	400	84 U	78 U	76 U
Acetone	200	170 J	220 J	150 U
Methylene chloride	100	85 JB	86 JB	150 JB
trans-1 2-Dichloroethene	300	60 U	56 U	54 U
Acrylonitrile	NS	190 U	180 U	170 U
1 1-Dichloroethane	200	72 U	67 U	65 U
cis-1 2-Dichloroethene	*	72 U	67 U	65 U
2-Butanone (MEK)	*	140 U	130 U	130 U
Chloroform	300	84 U	78 U	76 U
1 1 1-Trichloroethane	800	48 U	45 U	43 U
Carbon tetrachloride	600	120 U	110 U	110 U
Benzene	60	170 J	45 U	43 U
1 2-Dichloroethane	100	72 U	67 U	65 U
Trichloroethene	700	84 U	78 U	76 U
1 2-Dichloropropane	*	110 U	100 U	97 U
Bromodichloromethane	*	48 U	45 U	43 U
2-Chloroethylvinylether	NS	72 U	67 U	65 U
cis-1 3-Dichloropropene	*	60 U	56 U	54 U
4-Methyl-2-pentanone (MIBK)	1,000	84 U	78 U	76 U
Toluene	1,500	440 J	34 U	32 U
trans-1 3-Dichloropropene	*	36 U	34 U	32 U
1 1 2-Trichloroethane	6,000	72 U	67 U	65 U
Tetrachloroethene	1,400	60 U	56 U	54 U
Dibromochloromethane	*	60 U	56 U	54 U
Chlorobenzene	1,700	48 U	45 U	43 U
1 1 1 2-Tetrachloroethane	600	84 U	78 U	76 U
Ethylbenzene	5,500	120 U	110 U	110 U
Styrene	*	60 U	56 U	54 U
Bromoform	*	96 U	89 U	86 U
1 1 2 2-Tetrachloroethane	600	48 U	45 U	43 U
Xylenes (total)	1,200	580 J	110 U	110 U
1 3-Dichlorobenzene	1,600	72 U	67 U	65 U
1 4-Dichlorobenzene	8,500	60 U	56 U	54 U
1 2-Dichlorobenzene	7,900	72 U	67 U	65 U
1 2 4-Trichlorobenzene	3,400	110 U	100 U	97 U
Naphthalene	13,000	2300	56 U	54 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-39I(22-22.5) 212414-019 1 3/21/2006 ug/Kg	B-48A(16-16.5) 212358-012 1 3/14/2006 ug/Kg	B-48A(21-21.5) 212358-013 1 3/14/2006 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	45 U	52 U	62 U
Vinyl chloride	200	72 U	83 U	100 U
Bromomethane	*	110 U	130 U	150 U
Chloroethane	1,900	72 U	83 U	100 U
Acrolein	NS	710 U	810 U	970 U
1 1-Dichloroethene	400	63 U	73 U	87 U
Acetone	200	130 U	150 UB	260 JB
Methylene chloride	100	74 JB	90 JB	50 UB
trans-1 2-Dichloroethene	300	45 U	52 U	62 U
Acrylonitrile	NS	140 U	170 U	200 U
1 1-Dichloroethane	200	54 U	63 U	75 U
cis-1 2-Dichloroethene	*	54 U	63 U	75 U
2-Butanone (MEK)	*	110 U	130 U	150 U
Chloroform	300	63 U	73 U	87 U
1 1 1-Trichloroethane	800	36 U	42 U	50 U
Carbon tetrachloride	600	91 U	100 U	120 U
Benzene	60	36 U	42 U	50 U
1 2-Dichloroethane	100	54 U	63 U	75 U
Trichloroethene	700	63 U	73 U	87 U
1 2-Dichloropropane	*	82 U	94 U	110 U
Bromodichloromethane	*	36 U	42 U	50 U
2-Chloroethylvinylether	NS	54 U	63 U	75 U
cis-1 3-Dichloropropene	*	45 U	52 U	62 U
4-Methyl-2-pentanone (MIBK)	1,000	63 U	73 U	87 U
Toluene	1,500	27 U	31 U	300 JH
trans-1 3-Dichloropropene	*	27 U	31 U	37 U
1 1 2-Trichloroethane	6,000	54 U	63 U	75 U
Tetrachloroethene	1,400	45 U	52 U	62 U
Dibromochloromethane	*	45 U	52 U	62 U
Chlorobenzene	1,700	36 U	42 U	50 U
1 1 1 2-Tetrachloroethane	600	63 U	73 U	87 U
Ethylbenzene	5,500	91 U	100 U	4100
Styrene	*	45 U	52 U	62 U
Bromoform	*	72 U	83 U	100 U
1 1 2 2-Tetrachloroethane	600	36 U	42 U	50 U
Xylenes (total)	1,200	91 U	100 U	23000
1 3-Dichlorobenzene	1,600	54 U	63 U	75 U
1 4-Dichlorobenzene	8,500	45 U	52 U	62 U
1 2-Dichlorobenzene	7,900	54 U	63 U	75 U
1 2 4-Trichlorobenzene	3,400	82 U	94 U	110 U
Naphthalene	13,000	45 U	420 J	2100

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM



WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-48A(26-26.5) 212358-014 1 3/14/2006 ug/Kg	B-49A(13-13.5) 212358-002 1 3/14/2006 ug/Kg	B-49A(16.5-17) 212358-003 1 3/14/2006 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	50 U	64 U	52 U
Vinyl chloride	200	80 U	100 U	83 U
Bromomethane	*	120 U	150 U	130 U
Chloroethane	1,900	80 U	100 U	83 U
Acrolein	NS	780 U	1000 U	810 U
1 1-Dichloroethene	400	70 U	90 U	73 U
Acetone	200	140 UB	410 JB	280 JB
Methylene chloride	100	98 JB	110 JB	82 JB
trans-1 2-Dichloroethene	300	50 U	64 U	52 U
Acrylonitrile	NS	160 U	200 U	170 U
1 1-Dichloroethane	200	60 U	77 U	63 U
cis-1 2-Dichloroethene	*	60 U	77 U	63 U
2-Butanone (MEK)	*	120 U	150 U	130 U
Chloroform	300	70 U	90 U	73 U
1 1 1-Trichloroethane	800	40 U	51 U	42 U
Carbon tetrachloride	600	100 U	130 U	100 U
Benzene	60	40 U	51 U	42 U
1 2-Dichloroethane	100	60 U	77 U	63 U
Trichloroethene	700	70 U	90 U	73 U
1 2-Dichloropropane	*	90 U	120 U	94 U
Bromodichloromethane	*	40 U	51 U	42 U
2-Chloroethylvinylether	NS	60 U	77 U	63 U
cis-1 3-Dichloropropene	*	50 U	64 U	52 U
4-Methyl-2-pentanone (MIBK)	1,000	70 U	90 U	73 U
Toluene	1,500	30 U	38 U	31 U
trans-1 3-Dichloropropene	*	30 U	38 U	31 U
1 1 2-Trichloroethane	6,000	60 U	77 U	63 U
Tetrachloroethene	1,400	50 U	64 U	52 U
Dibromochloromethane	*	50 U	64 U	52 U
Chlorobenzene	1,700	40 U	51 U	42 U
1 1 1 2-Tetrachloroethane	600	70 U	90 U	73 U
Ethylbenzene	5,500	100 U	130 U	100 U
Styrene	*	50 U	64 U	52 U
Bromoform	*	80 U	100 U	83 U
1 1 2 2-Tetrachloroethane	600	40 U	51 U	42 U
Xylenes (total)	1,200	100 U	130 U	100 U
1 3-Dichlorobenzene	1,600	60 U	77 U	63 U
1 4-Dichlorobenzene	8,500	50 U	64 U	52 U
1 2-Dichlorobenzene	7,900	60 U	77 U	63 U
1 2 4-Trichlorobenzene	3,400	90 U	120 UB	94 UB
Naphthalene	13,000	50 U	64 U	52 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM



WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B47A(16-16.5) 212388-004 1 3/17/2006 ug/Kg	B47A(17.5-18) 212388-005 1 3/17/2006 ug/Kg	B47C(31-31.5) 212388-009 1 3/17/2006 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	47 U	60 U	58 U
Vinyl chloride	200	76 U	96 U	93 U
Bromomethane	*	110 U	140 U	140 U
Chloroethane	1,900	76 U	96 U	93 U
Acrolein	NS	740 U	940 U	910 U
1 1-Dichloroethene	400	66 U	84 U	81 U
Acetone	200	130 UB	230 JB	480 J
Methylene chloride	100	76 JB	91 JB	290 JB
trans-1 2-Dichloroethene	300	47 U	60 U	58 U
Acrylonitrile	NS	150 U	190 U	190 U
1 1-Dichloroethane	200	57 U	72 U	70 U
cis-1 2-Dichloroethene	*	57 U	72 U	70 U
2-Butanone (MEK)	*	110 U	140 U	140 U
Chloroform	300	66 U	84 U	81 U
1 1 1-Trichloroethane	800	38 U	48 U	46 U
Carbon tetrachloride	600	95 U	120 U	120 U
Benzene	60	38 U	48 U	46 U
1 2-Dichloroethane	100	57 U	72 U	70 U
Trichloroethene	700	66 U	84 U	81 U
1 2-Dichloropropane	*	85 U	110 U	100 U
Bromodichloromethane	*	38 U	48 U	46 U
2-Chloroethylvinylether	NS	57 U	72 U	70 U
cis-1 3-Dichloropropene	*	47 U	60 U	58 U
4-Methyl-2-pentanone (MIBK)	1,000	66 U	84 U	81 U
Toluene	1,500	28 U	36 U	35 U
trans-1 3-Dichloropropene	*	28 U	36 U	35 U
1 1 2-Trichloroethane	6,000	57 U	72 U	70 U
Tetrachloroethene	1,400	47 U	60 U	58 U
Dibromochloromethane	*	47 U	60 U	58 U
Chlorobenzene	1,700	38 U	48 U	46 U
1 1 1 2-Tetrachloroethane	600	66 U	84 U	81 U
Ethylbenzene	5,500	95 U	120 U	120 U
Styrene	*	47 U	60 U	58 U
Bromoform	*	76 U	96 U	93 U
1 1 2 2-Tetrachloroethane	600	38 U	48 U	46 U
Xylenes (total)	1,200	95 U	120 U	120 U
1 3-Dichlorobenzene	1,600	57 U	72 U	70 U
1 4-Dichlorobenzene	8,500	47 U	60 U	58 U
1 2-Dichlorobenzene	7,900	57 U	72 U	70 U
1 2 4-Trichlorobenzene	3,400	85 U	110 U	100 U
Naphthalene	13,000	430 J	60 U	230 J

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B47C(33-33.5) 212388-010 1 3/17/2006 ug/Kg	B47E(7.5-8) 212388-008 1 3/17/2006 ug/Kg	B47E(15-15.5) 212388-006 1 3/17/2006 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	62 U	68 U	60 U
Vinyl chloride	200	99 U	110 U	97 U
Bromomethane	*	150 U	160 U	140 U
Chloroethane	1,900	99 U	110 U	97 U
Acrolein	NS	960 U	1100 U	940 U
1 1-Dichloroethene	400	87 U	96 U	85 U
Acetone	200	170 U	660 JB	250 JB
Methylene chloride	100	90 JB	330 JB	81 JB
trans-1 2-Dichloroethene	300	62 U	68 U	60 U
Acrylonitrile	NS	200 U	220 U	190 U
1 1-Dichloroethane	200	74 U	82 U	72 U
cis-1 2-Dichloroethene	*	74 U	82 U	72 U
2-Butanone (MEK)	*	150 U	160 U	140 U
Chloroform	300	87 U	96 U	85 U
1 1 1-Trichloroethane	800	49 U	55 U	48 U
Carbon tetrachloride	600	120 U	140 U	120 U
Benzene	60	49 U	55 U	48 U
1 2-Dichloroethane	100	74 U	82 U	72 U
Trichloroethene	700	87 U	96 U	85 U
1 2-Dichloropropane	*	110 U	120 U	110 U
Bromodichloromethane	*	49 U	55 U	48 U
2-Chloroethylvinylether	NS	74 U	82 U	72 U
cis-1 3-Dichloropropene	*	62 U	68 U	60 U
4-Methyl-2-pentanone (MIBK)	1,000	87 U	96 U	85 U
Toluene	1,500	37 U	110 J	36 U
trans-1 3-Dichloropropene	*	37 U	41 U	36 U
1 1 2-Trichloroethane	6,000	74 U	82 U	72 U
Tetrachloroethene	1,400	62 U	68 U	60 U
Dibromochloromethane	*	62 U	68 U	60 U
Chlorobenzene	1,700	49 U	55 U	48 U
1 1 1 2-Tetrachloroethane	600	87 U	96 U	85 U
Ethylbenzene	5,500	120 U	140 U	120 U
Styrene	*	62 U	68 U	60 U
Bromoform	*	99 U	110 U	97 U
1 1 2 2-Tetrachloroethane	600	49 U	55 U	48 U
Xylenes (total)	1,200	120 U	140 U	120 U
1 3-Dichlorobenzene	1,600	74 U	82 U	72 U
1 4-Dichlorobenzene	8,500	62 U	68 U	60 U
1 2-Dichlorobenzene	7,900	74 U	82 U	72 U
1 2 4-Trichlorobenzene	3,400	110 U	120 U	110 U
Naphthalene	13,000	62 U	68 U	60 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B47E(18-18.5) 212388-007 1 3/17/2006 ug/Kg	B-48C(15-15.5) 212358-020 1 3/16/2006 ug/Kg	B48C(17-17.5) 212388-001 1 3/16/2006 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	51 U	61 U	53 U
Vinyl chloride	200	81 U	97 U	84 U
Bromomethane	*	120 U	150 U	130 U
Chloroethane	1,900	81 U	97 U	84 U
Acrolein	NS	790 U	950 U	820 U
1 1-Dichloroethene	400	71 U	85 U	74 U
Acetone	200	140 UB	170 JB	150 UB
Methylene chloride	100	74 JB	75 JB	85 JB
trans-1 2-Dichloroethene	300	51 U	61 U	53 U
Acrylonitrile	NS	160 U	190 U	170 U
1 1-Dichloroethane	200	61 U	73 U	63 U
cis-1 2-Dichloroethene	*	61 U	73 U	63 U
2-Butanone (MEK)	*	120 U	150 U	130 U
Chloroform	300	71 U	85 U	74 U
1 1 1-Trichloroethane	800	41 U	49 U	42 U
Carbon tetrachloride	600	100 U	120 U	110 U
Benzene	60	41 U	49 U	42 U
1 2-Dichloroethane	100	61 U	73 U	63 U
Trichloroethene	700	71 U	85 U	74 U
1 2-Dichloropropane	*	91 U	110 U	95 U
Bromodichloromethane	*	41 U	49 U	42 U
2-Chloroethylvinylether	NS	61 U	73 U	63 U
cis-1 3-Dichloropropene	*	51 U	61 U	53 U
4-Methyl-2-pentanone (MIBK)	1,000	71 U	85 U	74 U
Toluene	1,500	30 U	36 U	32 U
trans-1 3-Dichloropropene	*	30 U	36 U	32 U
1 1 2-Trichloroethane	6,000	61 U	73 U	63 U
Tetrachloroethene	1,400	51 U	61 U	53 U
Dibromochloromethane	*	51 U	61 U	53 U
Chlorobenzene	1,700	41 U	49 U	42 U
1 1 1 2-Tetrachloroethane	600	71 U	85 U	74 U
Ethylbenzene	5,500	100 U	120 U	110 U
Styrene	*	51 U	61 U	53 U
Bromoform	*	81 U	97 U	84 U
1 1 2 2-Tetrachloroethane	600	41 U	49 U	42 U
Xylenes (total)	1,200	100 U	120 U	110 U
1 3-Dichlorobenzene	1,600	61 U	73 U	63 U
1 4-Dichlorobenzene	8,500	51 U	61 U	53 U
1 2-Dichlorobenzene	7,900	61 U	73 U	63 U
1 2 4-Trichlorobenzene	3,400	91 U	110 U	95 U
Naphthalene	13,000	51 U	61 U	53 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth of Carteret Acceptance Requirements ug/Kg	B48C(18.5-19) 212388-002 2 3/16/2006 ug/Kg	B48C(25-25.5) 212388-003 1 3/16/2006 ug/Kg	B-48E(15.5-16) 212358-015 1 3/16/2006 ug/Kg
Chloromethane	*	130 U	53 U	70 U
Vinyl chloride	200	210 U	85 U	110 U
Bromomethane	*	310 U	130 U	170 U
Chloroethane	1,900	210 U	85 U	110 U
Acrolein	NS	2000 U	820 U	1100 U
1 1-Dichloroethene	400	180 U	74 U	98 U
Acetone	200	570 JB	150 UB	200 UB
Methylene chloride	100	100 UB	110 JB	140 JB
trans-1 2-Dichloroethene	300	130 U	53 U	70 U
Acrylonitrile	NS	420 U	170 U	220 U
1 1-Dichloroethane	200	160 U	63 U	84 U
cis-1 2-Dichloroethene	*	160 U	63 U	84 U
2-Butanone (MEK)	*	310 U	130 U	170 U
Chloroform	300	180 U	74 U	98 U
1 1 1-Trichloroethane	800	100 U	42 U	56 U
Carbon tetrachloride	600	260 U	110 U	140 U
Benzene	60	11000	42 U	56 U
1 2-Dichloroethane	100	160 U	63 U	84 U
Trichloroethene	700	180 U	74 U	98 U
1 2-Dichloropropane	*	240 U	95 U	130 U
Bromodichloromethane	*	100 U	42 U	56 U
2-Chloroethylvinylether	NS	160 U	63 U	84 U
cis-1 3-Dichloropropene	*	130 U	53 U	70 U
4-Methyl-2-pentanone (MIBK)	1,000	180 U	74 U	98 U
Toluene	1,500	1200 J	32 U	42 U
trans-1 3-Dichloropropene	*	78 U	32 U	42 U
1 1 2-Trichloroethane	6,000	160 U	63 U	84 U
Tetrachloroethene	1,400	130 U	53 U	70 U
Dibromochloromethane	*	130 U	53 U	70 U
Chlorobenzene	1,700	100 U	42 U	56 U
1 1 1 2-Tetrachloroethane	600	180 U	74 U	98 U
Ethylbenzene	5,500	18000	110 U	140 U
Styrene	*	130 U	53 U	70 U
Bromoform	*	210 U	85 U	110 U
1 1 2 2-Tetrachloroethane	600	100 U	42 U	56 U
Xylenes (total)	1,200	58000	130 J	140 U
1 3-Dichlorobenzene	1,600	160 U	63 U	84 U
1 4-Dichlorobenzene	8,500	130 U	53 U	70 U
1 2-Dichlorobenzene	7,900	160 U	63 U	84 U
1 2 4-Trichlorobenzene	3,400	240 U	95 U	130 U
Naphthalene	13,000	10000	870	70 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-48E(21-21.5) 212358-016 1 3/16/2006 ug/Kg	B-48E(23-23.5) 212358-017 1 3/16/2006 ug/Kg	B-48F(19-19.5) 212358-018 1 3/16/2006 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	61 U	67 U	64 U
Vinyl chloride	200	98 U	110 U	100 U
Bromomethane	*	150 U	160 U	150 U
Chloroethane	1,900	98 U	110 U	100 U
Acrolein	NS	950 U	1100 U	1000 U
1 1-Dichloroethene	400	85 U	94 U	90 U
Acetone	200	<b>270 JB</b>	<b>280 JB</b>	180 UB
Methylene chloride	100	<b>110 JB</b>	<b>240 JB</b>	98 JB
trans-1 2-Dichloroethene	300	61 U	67 U	64 U
Acrylonitrile	NS	200 U	220 U	200 U
1 1-Dichloroethane	200	73 U	81 U	77 U
cis-1 2-Dichloroethene	*	73 U	81 U	77 U
2-Butanone (MEK)	*	150 U	160 U	150 U
Chloroform	300	85 U	94 U	90 U
1 1 1-Trichloroethane	800	49 U	54 U	51 U
Carbon tetrachloride	600	120 U	130 U	130 U
Benzene	60	62 J	54 U	51 U
1 2-Dichloroethane	100	73 U	81 U	77 U
Trichloroethene	700	85 U	94 U	90 U
1 2-Dichloropropane	*	110 U	120 U	120 U
Bromodichloromethane	*	49 U	54 U	51 U
2-Chloroethylvinylether	NS	73 U	81 U	77 U
cis-1 3-Dichloropropene	*	61 U	67 U	64 U
4-Methyl-2-pentanone (MIBK)	1,000	85 U	94 U	90 U
Toluene	1,500	42 J	40 U	38 U
trans-1 3-Dichloropropene	*	37 U	40 U	38 U
1 1 2-Trichloroethane	6,000	73 U	81 U	77 U
Tetrachloroethene	1,400	61 U	67 U	64 U
Dibromochloromethane	*	61 U	67 U	64 U
Chlorobenzene	1,700	49 U	54 U	51 U
1 1 1 2-Tetrachloroethane	600	85 U	94 U	90 U
Ethylbenzene	5,500	120 U	130 U	130 U
Styrene	*	61 U	67 U	64 U
Bromoform	*	98 U	110 U	100 U
1 1 2 2-Tetrachloroethane	600	49 U	54 U	51 U
Xylenes (total)	1,200	120 U	130 U	130 U
1 3-Dichlorobenzene	1,600	73 U	81 U	77 U
1 4-Dichlorobenzene	8,500	61 U	67 U	64 U
1 2-Dichlorobenzene	7,900	73 U	81 U	77 U
1 2 4-Trichlorobenzene	3,400	110 U	120 U	120 U
Naphthalene	13,000	61 U	67 U	64 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-48F(22-22.5) 212358-019 1 3/16/2006 ug/Kg	B-49C(16-16.5) 212358-006 1 3/14/2006 ug/Kg	B-49C(19-19.5) 212358-007 1 3/14/2006 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	55 U	52 U	58 U
Vinyl chloride	200	88 U	84 U	93 U
Bromomethane	*	130 U	130 U	140 U
Chloroethane	1,900	88 U	84 U	93 U
Acrolein	NS	850 U	810 U	910 U
1 1-Dichloroethene	400	77 U	73 U	81 U
Acetone	200	180 JHB	150 UB	490 JB
Methylene chloride	100	89 JB	84 JB	46 UB
trans-1 2-Dichloroethene	300	55 U	52 U	58 U
Acrylonitrile	NS	180 U	170 U	190 U
1 1-Dichloroethane	200	66 U	63 U	70 U
cis-1 2-Dichloroethene	*	66 U	63 U	70 U
2-Butanone (MEK)	*	130 U	130 U	140 U
Chloroform	300	77 U	73 U	81 U
1 1 1-Trichloroethane	800	44 U	42 U	46 U
Carbon tetrachloride	600	110 U	100 U	120 U
Benzene	60	44 U	42 U	46 U
1 2-Dichloroethane	100	66 U	63 U	70 U
Trichloroethene	700	77 U	73 U	81 U
1 2-Dichloropropane	*	98 U	94 U	100 U
Bromodichloromethane	*	44 U	42 U	46 U
2-Chloroethylvinylether	NS	66 U	63 U	70 U
cis-1 3-Dichloropropene	*	55 U	52 U	58 U
4-Methyl-2-pentanone (MIBK)	1,000	77 U	73 U	81 U
Toluene	1,500	33 U	31 U	46 J
trans-1 3-Dichloropropene	*	33 U	31 U	35 U
1 1 2-Trichloroethane	6,000	66 U	63 U	70 U
Tetrachloroethene	1,400	55 U	52 U	58 U
Dibromochloromethane	*	55 U	52 U	58 U
Chlorobenzene	1,700	44 U	42 U	46 U
1 1 1 2-Tetrachloroethane	600	77 U	73 U	81 U
Ethylbenzene	5,500	110 U	100 U	190 J
Styrene	*	55 U	52 U	58 U
Bromoform	*	88 U	84 U	93 U
1 1 2 2-Tetrachloroethane	600	44 U	42 U	46 U
Xylenes (total)	1,200	110 U	100 U	550 J
1 3-Dichlorobenzene	1,600	66 U	63 U	70 U
1 4-Dichlorobenzene	8,500	55 U	52 U	58 U
1 2-Dichlorobenzene	7,900	66 U	63 U	70 U
1 2 4-Trichlorobenzene	3,400	98 U	94 U	100 U
Naphthalene	13,000	55 U	180 J	3700

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-49C(24.5-25) 212358-008 1 3/14/2006 ug/Kg	B-49D(14-14.5) 212358-009 1 3/14/2006 ug/Kg	B-49D(16.5-17) 212358-010 1 3/14/2006 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	45 U	58 U	52 U
Vinyl chloride	200	72 U	93 U	83 U
Bromomethane	*	110 U	140 U	120 U
Chloroethane	1,900	72 U	93 U	83 U
Acrolein	NS	700 U	910 U	810 U
1 1-Dichloroethene	400	63 U	82 U	73 U
Acetone	200	220 JB	160 UB	300 JB
Methylene chloride	100	77 JB	82 JB	42 UB
trans-1 2-Dichloroethene	300	45 U	58 U	52 U
Acrylonitrile	NS	140 U	190 U	170 U
1 1-Dichloroethane	200	54 U	70 U	62 U
cis-1 2-Dichloroethene	*	54 U	70 U	62 U
2-Butanone (MEK)	*	110 U	140 U	120 U
Chloroform	300	63 U	82 U	73 U
1 1 1-Trichloroethane	800	36 U	47 U	42 U
Carbon tetrachloride	600	90 U	120 U	100 U
Benzene	60	36 U	47 U	42 U
1 2-Dichloroethane	100	54 U	70 U	62 U
Trichloroethene	700	63 U	82 U	73 U
1 2-Dichloropropane	*	81 U	100 U	94 U
Bromodichloromethane	*	36 U	47 U	42 U
2-Chloroethylvinylether	NS	54 U	70 U	62 U
cis-1 3-Dichloropropene	*	45 U	58 U	52 U
4-Methyl-2-pentanone (MIBK)	1,000	63 U	82 U	73 U
Toluene	1,500	27 U	35 U	31 U
trans-1 3-Dichloropropene	*	27 U	35 U	31 U
1 1 2-Trichloroethane	6,000	54 U	70 U	62 U
Tetrachloroethene	1,400	45 U	58 U	52 U
Dibromochloromethane	*	45 U	58 U	52 U
Chlorobenzene	1,700	36 U	47 U	42 U
1 1 1 2-Tetrachloroethane	600	63 U	82 U	73 U
Ethylbenzene	5,500	90 U	120 U	100 U
Styrene	*	45 U	58 U	52 U
Bromoform	*	72 U	93 U	83 U
1 1 2 2-Tetrachloroethane	600	36 U	47 U	42 U
Xylenes (total)	1,200	90 U	120 U	100 U
1 3-Dichlorobenzene	1,600	54 U	70 U	62 U
1 4-Dichlorobenzene	8,500	45 U	58 U	52 U
1 2-Dichlorobenzene	7,900	54 U	70 U	62 U
1 2 4-Trichlorobenzene	3,400	81 U	100 U	94 U
Naphthalene	13,000	45 U	58 U	52 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM



WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-49D(22.5-23) 212358-011 1 3/14/2006 ug/Kg	B-49E(16.5-17) 212358-004 1 3/14/2006 ug/Kg	B-49E(19.0-19.5) 212358-005 1 3/14/2006 ug/Kg
Chloromethane	*	53 U	57 U	49 U
Vinyl chloride	200	85 U	91 U	78 U
Bromomethane	*	130 U	140 U	120 U
Chloroethane	1,900	85 U	91 U	78 U
Acrolein	NS	830 U	890 U	760 U
1 1-Dichloroethene	400	75 U	80 U	68 U
Acetone	200	<b>250 JB</b>	<b>410 JB</b>	<b>290 JB</b>
Methylene chloride	100	83 JB	92 JB	<b>110 JB</b>
trans-1 2-Dichloroethene	300	53 U	57 U	49 U
Acrylonitrile	NS	170 U	180 U	160 U
1 1-Dichloroethane	200	64 U	68 U	58 U
cis-1 2-Dichloroethene	*	64 U	68 U	58 U
2-Butanone (MEK)	*	130 U	140 U	120 U
Chloroform	300	75 U	80 U	68 U
1 1 1-Trichloroethane	800	43 U	45 U	39 U
Carbon tetrachloride	600	110 U	110 U	97 U
Benzene	60	43 U	64 J	39 U
1 2-Dichloroethane	100	64 U	68 U	58 U
Trichloroethene	700	75 U	80 U	68 U
1 2-Dichloropropane	*	96 U	100 U	87 U
Bromodichloromethane	*	43 U	45 U	39 U
2-Chloroethylvinylether	NS	64 U	68 U	58 U
cis-1 3-Dichloropropene	*	53 U	57 U	49 U
4-Methyl-2-pentanone (MIBK)	1,000	75 U	80 U	68 U
Toluene	1,500	32 U	160 J	29 U
trans-1 3-Dichloropropene	*	32 U	34 U	29 U
1 1 2-Trichloroethane	6,000	64 U	68 U	58 U
Tetrachloroethene	1,400	53 U	57 U	49 U
Dibromochloromethane	*	53 U	57 U	49 U
Chlorobenzene	1,700	43 U	45 U	39 U
1 1 1 2-Tetrachloroethane	600	75 U	80 U	68 U
Ethylbenzene	5,500	110 U	110 U	97 U
Styrene	*	53 U	57 U	49 U
Bromoform	*	85 U	91 U	78 U
1 1 2 2-Tetrachloroethane	600	43 U	45 U	39 U
Xylenes (total)	1,200	110 U	110 U	97 U
1 3-Dichlorobenzene	1,600	64 U	68 U	58 U
1 4-Dichlorobenzene	8,500	53 U	57 U	49 U
1 2-Dichlorobenzene	7,900	64 U	68 U	58 U
1 2 4-Trichlorobenzene	3,400	96 U	100 UB	87 UB
Naphthalene	13,000	53 U	57 U	49 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM



WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-51E(13.5-14) 212358-001 1 3/14/2006 ug/Kg	B52A(12-14) 212324-001 1 38785 ug/Kg	B52A(14-16) 212324-002 1 38785 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	54 U	54 U	56 U
Vinyl chloride	200	87 U	87 U	89 U
Bromomethane	*	130 U	130 U	130 U
Chloroethane	1,900	87 U	87 U	89 U
Acrolein	NS	850 U	850 U	870 U
1 1-Dichloroethene	400	76 U	76 U	78 U
Acetone	200	250 JB	240 J	160 U
Methylene chloride	100	77 JB	87 J	89 J
trans-1 2-Dichloroethene	300	54 U	54 U	56 U
Acrylonitrile	NS	170 U	170 U	180 U
1 1-Dichloroethane	200	65 U	65 U	67 U
cis-1 2-Dichloroethene	*	65 U	65 U	67 U
2-Butanone (MEK)	*	130 U	130 U	130 U
Chloroform	300	76 U	76 U	78 U
1 1 1-Trichloroethane	800	43 U	44 U	45 U
Carbon tetrachloride	600	110 U	110 U	110 U
Benzene	60	43 U	44 U	45 U
1 2-Dichloroethane	100	65 U	65 U	67 U
Trichloroethene	700	76 U	76 U	78 U
1 2-Dichloropropane	*	98 U	98 U	100 U
Bromodichloromethane	*	43 U	44 U	45 U
2-Chloroethylvinylether	NS	65 U	65 U	67 U
cis-1 3-Dichloropropene	*	54 U	54 U	56 U
4-Methyl-2-pentanone (MIBK)	1,000	76 U	76 U	78 U
Toluene	1,500	33 U	33 U	33 U
trans-1 3-Dichloropropene	*	33 U	33 U	33 U
1 1 2-Trichloroethane	6,000	65 U	65 U	67 U
Tetrachloroethene	1,400	54 U	54 U	56 U
Dibromochloromethane	*	54 U	54 U	56 U
Chlorobenzene	1,700	43 U	44 U	45 U
1 1 1 2-Tetrachloroethane	600	76 U	76 U	78 U
Ethylbenzene	5,500	110 U	110 U	110 U
Styrene	*	54 U	54 U	56 U
Bromoform	*	87 U	87 U	89 U
1 1 2 2-Tetrachloroethane	600	43 U	44 U	45 U
Xylenes (total)	1,200	110 U	110 U	110 U
1 3-Dichlorobenzene	1,600	65 U	65 U	67 U
1 4-Dichlorobenzene	8,500	54 U	54 U	56 U
1 2-Dichlorobenzene	7,900	65 U	65 U	67 U
1 2 4-Trichlorobenzene	3,400	98 UB	98 U	100 U
Naphthalene	13,000	54 U	1900	56 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B52A(26-28) 212324-003 1 38785 ug/Kg	B52E(2-4) 212324-004 1 38785 ug/Kg	B52E(10-12) 212324-005 1 38785 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	53 U	76 U	58 U
Vinyl chloride	200	85 U	120 U	93 U
Bromomethane	*	130 U	180 U	140 U
Chloroethane	1,900	85 U	120 U	93 U
Acrolein	NS	830 U	1200 U	910 U
1 1-Dichloroethene	400	74 U	110 U	82 U
Acetone	200	150 U	460 J	310 J
Methylene chloride	100	53 J	130 J	90 J
trans-1 2-Dichloroethene	300	53 U	76 U	58 U
Acrylonitrile	NS	170 U	240 U	190 U
1 1-Dichloroethane	200	64 U	91 U	70 U
cis-1 2-Dichloroethene	*	64 U	91 U	70 U
2-Butanone (MEK)	*	130 U	180 U	140 U
Chloroform	300	74 U	110 U	82 U
1 1 1-Trichloroethane	800	42 U	61 U	47 U
Carbon tetrachloride	600	110 U	150 U	120 U
Benzene	60	42 U	61 U	47 U
1 2-Dichloroethane	100	64 U	91 U	70 U
Trichloroethene	700	74 U	110 U	82 U
1 2-Dichloropropane	*	95 U	140 U	100 U
Bromodichloromethane	*	42 U	61 U	47 U
2-Chloroethylvinylether	NS	64 U	91 U	70 U
cis-1 3-Dichloropropene	*	53 U	76 U	58 U
4-Methyl-2-pentanone (MIBK)	1,000	74 U	110 U	82 U
Toluene	1,500	32 U	45 U	35 U
trans-1 3-Dichloropropene	*	32 U	45 U	35 U
1 1 2-Trichloroethane	6,000	64 U	91 U	70 U
Tetrachloroethene	1,400	53 U	260 J	58 U
Dibromochloromethane	*	53 U	76 U	58 U
Chlorobenzene	1,700	42 U	61 U	47 U
1 1 1 2-Tetrachloroethane	600	74 U	110 U	82 U
Ethylbenzene	5,500	110 U	150 U	120 U
Styrene	*	53 U	76 U	58 U
Bromoform	*	85 U	120 U	93 U
1 1 2 2-Tetrachloroethane	600	42 U	61 U	47 U
Xylenes (total)	1,200	110 U	150 U	120 U
1 3-Dichlorobenzene	1,600	64 U	91 U	70 U
1 4-Dichlorobenzene	8,500	53 U	76 U	58 U
1 2-Dichlorobenzene	7,900	64 U	91 U	70 U
1 2 4-Trichlorobenzene	3,400	95 U	140 U	100 U
Naphthalene	13,000	53 U	33000 A	58 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B52E(15.5-16) 212324-006 1 38785 ug/Kg	B52E(24-26) 212324-007 1 38785 ug/Kg	B52EN20(15.5-16) 212324-008 1 38786 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	51 U	47 U	53 U
Vinyl chloride	200	81 U	75 U	85 U
Bromomethane	*	120 U	110 U	130 U
Chloroethane	1,900	81 U	75 U	85 U
Acrolein	NS	790 U	740 U	830 U
1 1-Dichloroethene	400	71 U	66 U	74 U
Acetone	200	310 J	130 U	150 U
Methylene chloride	100	68 J	73 JB	57 JB
trans-1 2-Dichloroethene	300	51 U	47 U	53 U
Acrylonitrile	NS	160 U	150 U	170 U
1 1-Dichloroethane	200	61 U	57 U	64 U
cis-1 2-Dichloroethene	*	61 U	57 U	64 U
2-Butanone (MEK)	*	120 U	110 U	130 U
Chloroform	300	71 U	66 U	74 U
1 1 1-Trichloroethane	800	41 U	38 U	43 U
Carbon tetrachloride	600	100 U	94 U	110 U
Benzene	60	56 J	38 U	43 U
1 2-Dichloroethane	100	61 U	57 U	64 U
Trichloroethene	700	71 U	66 U	74 U
1 2-Dichloropropane	*	92 U	85 U	96 U
Bromodichloromethane	*	41 U	38 U	43 U
2-Chloroethylvinylether	NS	61 U	57 U	64 U
cis-1 3-Dichloropropene	*	51 U	47 U	53 U
4-Methyl-2-pentanone (MIBK)	1,000	71 U	66 U	74 U
Toluene	1,500	31 U	28 U	32 U
trans-1 3-Dichloropropene	*	31 U	28 U	32 U
1 1 2-Trichloroethane	6,000	61 U	57 U	64 U
Tetrachloroethene	1,400	51 U	47 U	53 U
Dibromochloromethane	*	51 U	47 U	53 U
Chlorobenzene	1,700	41 U	38 U	43 U
1 1 1 2-Tetrachloroethane	600	71 U	66 U	74 U
Ethylbenzene	5,500	100 U	94 U	110 U
Styrene	*	51 U	47 U	53 U
Bromoform	*	81 U	75 U	85 U
1 1 2 2-Tetrachloroethane	600	41 U	38 U	43 U
Xylenes (total)	1,200	100 U	94 U	110 U
1 3-Dichlorobenzene	1,600	61 U	57 U	64 U
1 4-Dichlorobenzene	8,500	51 U	47 U	53 U
1 2-Dichlorobenzene	7,900	61 U	57 U	64 U
1 2 4-Trichlorobenzene	3,400	92 U	85 U	96 U
Naphthalene	13,000	51 U	47 U	53 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B52EN20(19.5-20)	B52EN20(28-28.5)
Lab Sample ID		212324-009	212324-010
Dilution		1	1
Date Sampled		38786	38786
Units		ug/Kg	ug/Kg
Compound			
Chloromethane	*	54 U	46 U
Vinyl chloride	200	87 U	73 U
Bromomethane	*	130 U	110 U
Chloroethane	1,900	87 U	73 U
Acrolein	NS	850 U	720 U
1 1-Dichloroethene	400	76 U	64 U
Acetone	200	150 U	160 JH
Methylene chloride	100	89 JB	55 JB
trans-1 2-Dichloroethene	300	54 U	46 U
Acrylonitrile	NS	170 U	150 U
1 1-Dichloroethane	200	65 U	55 U
cis-1 2-Dichloroethene	*	65 U	55 U
2-Butanone (MEK)	*	130 U	110 U
Chloroform	300	76 U	64 U
1 1 1-Trichloroethane	800	44 U	37 U
Carbon tetrachloride	600	110 U	92 U
Benzene	60	51 J	37 U
1 2-Dichloroethane	100	65 U	55 U
Trichloroethene	700	76 U	64 U
1 2-Dichloropropane	*	98 U	83 U
Bromodichloromethane	*	44 U	37 U
2-Chloroethylvinylether	NS	65 U	55 U
cis-1 3-Dichloropropene	*	54 U	46 U
4-Methyl-2-pentanone (MIBK)	1,000	76 U	64 U
Toluene	1,500	33 U	28 U
trans-1 3-Dichloropropene	*	33 U	28 U
1 1 2-Trichloroethane	6,000	65 U	55 U
Tetrachloroethene	1,400	54 U	46 U
Dibromochloromethane	*	54 U	46 U
Chlorobenzene	1,700	44 U	37 U
1 1 1 2-Tetrachloroethane	600	76 U	64 U
Ethylbenzene	5,500	110 U	92 U
Styrene	*	54 U	46 U
Bromoform	*	87 U	73 U
1 1 2 2-Tetrachloroethane	600	44 U	37 U
Xylenes (total)	1,200	180 J	92 U
1 3-Dichlorobenzene	1,600	65 U	55 U
1 4-Dichlorobenzene	8,500	54 U	46 U
1 2-Dichlorobenzene	7,900	65 U	55 U
1 2 4-Trichlorobenzene	3,400	98 U	83 U
Naphthalene	13,000	54 U	46 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth of Carteret Acceptance Requirements ug/Kg	B52EN30(10-10.5) 212324-011 1 38786 ug/Kg	B52EN30(13.5-14) 212324-012 1 38786 ug/Kg
Chloromethane	*	52 U	47 U
Vinyl chloride	200	83 U	75 U
Bromomethane	*	120 U	110 U
Chloroethane	1,900	83 U	75 U
Acrolein	NS	810 U	730 U
1 1-Dichloroethene	400	73 U	66 U
Acetone	200	190 J	130 U
Methylene chloride	100	59 JB	51 JB
trans-1 2-Dichloroethene	300	52 U	47 U
Acrylonitrile	NS	170 U	150 U
1 1-Dichloroethane	200	62 U	56 U
cis-1 2-Dichloroethene	*	62 U	56 U
2-Butanone (MEK)	*	120 U	110 U
Chloroform	300	73 U	66 U
1 1 1-Trichloroethane	800	41 U	38 U
Carbon tetrachloride	600	100 U	94 U
Benzene	60	41 U	38 U
1 2-Dichloroethane	100	62 U	56 U
Trichloroethene	700	73 U	66 U
1 2-Dichloropropane	*	93 U	84 U
Bromodichloromethane	*	41 U	38 U
2-Chloroethylvinylether	NS	62 U	56 U
cis-1 3-Dichloropropene	*	52 U	47 U
4-Methyl-2-pentanone (MIBK)	1,000	73 U	66 U
Toluene	1,500	31 U	28 U
trans-1 3-Dichloropropene	*	31 U	28 U
1 1 2-Trichloroethane	6,000	62 U	56 U
Tetrachloroethene	1,400	52 U	47 U
Dibromochloromethane	*	52 U	47 U
Chlorobenzene	1,700	41 U	38 U
1 1 1 2-Tetrachloroethane	600	73 U	66 U
Ethylbenzene	5,500	100 U	94 U
Styrene	*	52 U	47 U
Bromoform	*	83 U	75 U
1 1 2 2-Tetrachloroethane	600	41 U	38 U
Xylenes (total)	1,200	100 U	94 U
1 3-Dichlorobenzene	1,600	62 U	56 U
1 4-Dichlorobenzene	8,500	52 U	47 U
1 2-Dichlorobenzene	7,900	62 U	56 U
1 2 4-Trichlorobenzene	3,400	93 U	84 U
Naphthalene	13,000	52 U	47 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth of Carteret Acceptance Requirements ug/Kg	B52EN30(20-20.5) 212324-013 1 38786 ug/Kg	B51A(8-8.5) 212324-014 1 38786 ug/Kg	B51A(11.5-12) 212324-015 1 38786 ug/Kg
Chloromethane	*	57 U	55 U	51 U
Vinyl chloride	200	91 U	89 U	81 U
Bromomethane	*	140 U	130 U	120 U
Chloroethane	1,900	91 U	89 U	81 U
Acrolein	NS	890 U	860 U	790 U
1 1-Dichloroethene	400	80 U	78 U	71 U
Acetone	200	160 U	160 U	140 U
Methylene chloride	100	70 JB	71 JB	120 JHB
trans-1 2-Dichloroethene	300	57 U	55 U	51 U
Acrylonitrile	NS	180 U	180 U	160 U
1 1-Dichloroethane	200	69 U	66 U	61 U
cis-1 2-Dichloroethene	*	69 U	66 U	61 U
2-Butanone (MEK)	*	140 U	130 U	120 U
Chloroform	300	80 U	78 U	71 U
1 1 1-Trichloroethane	800	46 U	44 U	41 U
Carbon tetrachloride	600	110 U	110 U	100 U
Benzene	60	46 U	44 U	41 U
1 2-Dichloroethane	100	69 U	66 U	61 U
Trichloroethene	700	80 U	78 U	71 U
1 2-Dichloropropane	*	100 U	100 U	91 U
Bromodichloromethane	*	46 U	44 U	41 U
2-Chloroethylvinylether	NS	69 U	66 U	61 U
cis-1 3-Dichloropropene	*	57 U	55 U	51 U
4-Methyl-2-pentanone (MIBK)	1,000	80 U	78 U	71 U
Toluene	1,500	34 U	33 U	30 U
trans-1 3-Dichloropropene	*	34 U	33 U	30 U
1 1 2-Trichloroethane	6,000	69 U	66 U	61 U
Tetrachloroethene	1,400	57 U	55 U	51 U
Dibromochloromethane	*	57 U	55 U	51 U
Chlorobenzene	1,700	46 U	44 U	41 U
1 1 1 2-Tetrachloroethane	600	80 U	78 U	71 U
Ethylbenzene	5,500	110 U	110 U	100 U
Styrene	*	57 U	55 U	51 U
Bromoform	*	91 U	89 U	81 U
1 1 2 2-Tetrachloroethane	600	46 U	44 U	41 U
Xylenes (total)	1,200	110 U	110 U	100 U
1 3-Dichlorobenzene	1,600	69 U	66 U	61 U
1 4-Dichlorobenzene	8,500	57 U	55 U	51 U
1 2-Dichlorobenzene	7,900	69 U	66 U	61 U
1 2 4-Trichlorobenzene	3,400	100 U	100 U	91 U
Naphthalene	13,000	57 U	55 U	51 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-51-D(13.5-14) 212324-016 1 38789 ug/Kg	B-51-D(18-18.5) 212324-017 1 38789 ug/Kg	B-51-D(22.5-23) 212324-018 1 38789 ug/Kg
Lab Sample ID				
Dilution				
Date Sampled				
Units				
Compound				
Chloromethane	*	56 U	74 U	49 U
Vinyl chloride	200	89 U	120 U	79 U
Bromomethane	*	130 U	180 U	120 U
Chloroethane	1,900	89 U	120 U	79 U
Acrolein	NS	870 U	1200 U	770 U
1 1-Dichloroethene	400	78 U	100 U	69 U
Acetone	200	160 U	310 JH	140 U
Methylene chloride	100	81 JB	96 JB	66 JB
trans-1 2-Dichloroethene	300	56 U	74 U	49 U
Acrylonitrile	NS	180 U	240 U	160 U
1 1-Dichloroethane	200	67 U	89 U	59 U
cis-1 2-Dichloroethene	*	67 U	89 U	59 U
2-Butanone (MEK)	*	130 U	180 U	120 U
Chloroform	300	78 U	100 U	69 U
1 1 1-Trichloroethane	800	45 U	59 U	39 U
Carbon tetrachloride	600	110 U	150 U	98 U
Benzene	60	45 U	59 U	39 U
1 2-Dichloroethane	100	67 U	89 U	59 U
Trichloroethene	700	78 U	100 U	69 U
1 2-Dichloropropane	*	100 U	130 U	88 U
Bromodichloromethane	*	45 U	59 U	39 U
2-Chloroethylvinylether	NS	67 U	89 U	59 U
cis-1 3-Dichloropropene	*	56 U	74 U	49 U
4-Methyl-2-pentanone (MIBK)	1,000	78 U	100 U	69 U
Toluene	1,500	33 U	44 U	29 U
trans-1 3-Dichloropropene	*	33 U	44 U	29 U
1 1 2-Trichloroethane	6,000	67 U	89 U	59 U
Tetrachloroethene	1,400	56 U	74 U	49 U
Dibromochloromethane	*	56 U	74 U	49 U
Chlorobenzene	1,700	45 U	59 U	39 U
1 1 1 2-Tetrachloroethane	600	78 U	100 U	69 U
Ethylbenzene	5,500	110 U	150 U	98 U
Styrene	*	56 U	74 U	49 U
Bromoform	*	89 U	120 U	79 U
1 1 2 2-Tetrachloroethane	600	45 U	59 U	39 U
Xylenes (total)	1,200	110 U	150 U	98 U
1 3-Dichlorobenzene	1,600	67 U	89 U	59 U
1 4-Dichlorobenzene	8,500	56 U	74 U	49 U
1 2-Dichlorobenzene	7,900	67 U	89 U	59 U
1 2 4-Trichlorobenzene	3,400	100 U	130 U	88 U
Naphthalene	13,000	56 U	74 U	49 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM

WEST 61<sup>st</sup> STREET SITE  
ATTACHMENT E  
PETROLEUM DELINEATION ANALYTICAL RESULTS

Client ID	Clean Earth of Carteret Acceptance Requirements ug/Kg	B-51-F(17-17.5) 212324-019 1 38789 ug/Kg	B-51-F(20-20.5) 212324-020 1 38789 ug/Kg
Lab Sample ID			
Dilution			
Date Sampled			
Units			
Compound			
Chloromethane	*	57 U	53 U
Vinyl chloride	200	92 U	86 U
Bromomethane	*	140 U	130 U
Chloroethane	1,900	92 U	86 U
Acrolein	NS	900 U	830 U
1 1-Dichloroethene	400	80 U	75 U
Acetone	200	280 J	150 U
Methylene chloride	100	76 JB	66 JB
trans-1 2-Dichloroethene	300	57 U	53 U
Acrylonitrile	NS	180 U	170 U
1 1-Dichloroethane	200	69 U	64 U
cis-1 2-Dichloroethene	*	69 U	64 U
2-Butanone (MEK)	*	140 U	130 U
Chloroform	300	80 U	75 U
1 1 1-Trichloroethane	800	46 U	43 U
Carbon tetrachloride	600	110 U	110 U
Benzene	60	46 U	43 U
1 2-Dichloroethane	100	69 U	64 U
Trichloroethene	700	80 U	75 U
1 2-Dichloropropane	*	100 U	96 U
Bromodichloromethane	*	46 U	43 U
2-Chloroethylvinylether	NS	69 U	64 U
cis-1 3-Dichloropropene	*	57 U	53 U
4-Methyl-2-pentanone (MIBK)	1,000	80 U	75 U
Toluene	1,500	34 U	32 U
trans-1 3-Dichloropropene	*	34 U	32 U
1 1 2-Trichloroethane	6,000	69 U	64 U
Tetrachloroethene	1,400	57 U	53 U
Dibromochloromethane	*	57 U	53 U
Chlorobenzene	1,700	46 U	43 U
1 1 1 2-Tetrachloroethane	600	80 U	75 U
Ethylbenzene	5,500	110 U	110 U
Styrene	*	57 U	53 U
Bromoform	*	92 U	86 U
1 1 2 2-Tetrachloroethane	600	46 U	43 U
Xylenes (total)	1,200	110 U	110 U
1 3-Dichlorobenzene	1,600	69 U	64 U
1 4-Dichlorobenzene	8,500	57 U	53 U
1 2-Dichlorobenzene	7,900	69 U	64 U
1 2 4-Trichlorobenzene	3,400	100 U	96 U
Naphthalene	13,000	57 U	53 U

CLEAN

LAB CONTAMINANTS - Acetone and Methylene

CONTAMINATED - PETROLEUM



**ATTACHMENT F**  
**ANALYTICAL RESULTS FOR BENEFICIAL USE DETERMINATION**

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-20(3-3.5) 212603-013 1 4/10/2006 µg/Kg	B-20(20-20.5) 212429-002 1 3/22/2006 µg/Kg	B-21(1.5-2) 212603-011 1 4/10/2006 µg/Kg	B-22(3.5-4) 212603-009 1 4/10/2006 µg/Kg	B-23(2.5-3) 212655-005 1 4/13/2006 µg/Kg	B-24(2.5-3) 212655-007 1 4/13/2006 µg/Kg	B-24(9-9.5) 212655-009 1 4/13/2006 µg/Kg
Chloromethane	10,000	54 U	59 U	59 U	63 U	60 U	55 U	59 U
Vinyl chloride	10,000	87 U	94 U	94 U	100 U	96 U	88 U	94 U
Bromomethane	1,000	130 U	140 U	140 U	150 U	140 U	130 U	140 U
Chloroethane	NS	87 U	94 U	94 U	100 U	96 U	88 U	94 U
Acrolein	NS	850 U	920 U	920 U	990 U	940 U	860 U	920 U
1 1-Dichloroethene	10,000	76 U	82 U	82 U	89 U	84 U	77 U	82 U
Acetone	100,000	230 JB	210 JB	230 JB	270 JB	200 JB	150 UB	170 JB
Methylene chloride	1,000	83 JB	130 JB	130 JB	140 JB	140 JB	150 JB	140 JB
trans-1 2-Dichloroethene	50,000	54 U	59 U	59 U	63 U	60 U	55 U	59 U
Acrylonitrile	1,000	170 U	190 U	190 U	200 U	190 U	180 U	190 U
1 1-Dichloroethane	10,000	65 U	71 U	71 U	76 U	72 U	66 U	71 U
cis-1 2-Dichloroethene	1,000	65 U	71 U	71 U	76 U	72 U	66 U	71 U
2-Butanone (MEK)	50,000	130 U	140 U	140 U	150 U	140 U	130 U	140 U
Chloroform	1,000	76 U	82 U	82 U	89 U	84 U	77 U	82 U
1 1 1-Trichloroethane	50,000	44 U	47 U	47 U	51 U	48 U	44 U	47 U
Carbon tetrachloride	1,000	110 U	120 U	120 U	130 U	120 U	110 U	120 U
Benzene	1,000	44 U	47 U	47 U	51 U	89 J	44 U	47 U
1 2-Dichloroethane	1,000	65 U	71 U	71 U	76 U	72 U	66 U	71 U
Trichloroethene	1,000	76 U	82 U	82 U	89 U	84 U	77 U	82 U
1 2-Dichloropropane	10,000	98 U	110 U	110 U	110 U	110 U	99 U	110 U
Bromodichloromethane	1,000	44 U	47 U	47 U	51 U	48 U	44 U	47 U
2-Chloroethylvinylether	NS	65 U	71 U	71 U	76 U	72 U	66 U	71 U
cis-1 3-Dichloropropene	1,000	54 U	59 U	59 U	63 U	60 U	55 U	59 U
4-Methyl-2-pentanone (MIBK)	50,000	76 U	82 U	82 U	89 U	84 U	77 U	82 U
Toluene	500,000	33 U	35 U	35 U	38 U	91 J	33 U	35 U
trans-1 3-Dichloropropene	1,000	33 U	35 U	35 U	38 U	36 U	33 U	35 U
1 1 2-Trichloroethane	1,000	65 U	71 U	71 U	76 U	72 U	66 U	71 U

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-20(3-3.5) 212603-013 1 4/10/2006 µg/Kg	B-20(20-20.5) 212429-002 1 3/22/2006 µg/Kg	B-21(1.5-2) 212603-011 1 4/10/2006 µg/Kg	B-22(3.5-4) 212603-009 1 4/10/2006 µg/Kg	B-23(2.5-3) 212655-005 1 4/13/2006 µg/Kg	B-24(2.5-3) 212655-007 1 4/13/2006 µg/Kg	B-24(9-9.5) 212655-009 1 4/13/2006 µg/Kg
Tetrachloroethene	1,000	54 U	59 U	59 U	63 U	60 U	55 U	62 J
Dibromochloromethane	1,000	54 U	59 U	59 U	63 U	60 U	55 U	59 U
Chlorobenzene	1,000	44 U	47 U	47 U	51 U	48 U	44 U	47 U
1 1 1 2-Tetrachloroethane	1,000	76 U	82 U	82 U	89 U	84 U	77 U	82 U
Ethylbenzene	100,000	110 U	120 U	120 U	130 U	120 UH	110 U	120 U
Styrene	100,000	54 U	59 U	59 U	63 U	60 U	55 U	59 U
Bromoform	1,000	87 U	94 U	94 U	100 U	96 U	88 U	94 U
1 1 2 2-Tetrachloroethane	1,000	44 U	47 U	47 U	51 U	48 U	44 U	47 U
Xylenes (total)	67,000	110 U	120 U	120 U	130 U	130 J	110 U	120 U
1 3-Dichlorobenzene	10,000,000	65 U	71 U	71 U	76 U	72 U	66 U	71 U
1 4-Dichlorobenzene	10,000,000	54 U	59 U	59 U	63 U	60 U	55 U	59 U
1 2-Dichlorobenzene	10,000,000	65 U	71 U	71 U	76 U	72 U	66 U	71 U
1 2 4-Trichlorobenzene	100,000	98 U	110 U	110 U	110 U	110 U	99 U	110 U
Naphthalene	4,200,000	54 U	59 U	59 U	63 UH	130 JH	55 U	150 JH
<b>Total VOCs</b>	1,000,000	313	340	360	473	900	300	522

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-25(3-3.5) 212603-015 1 4/12/2006 µg/Kg	B-25(10.5-11) 212603-017 1 4/12/2006 µg/Kg	B-25(15.5-16) 212603-019 1 4/12/2006 µg/Kg	B-26(13-13.5) 212481-002 1 3/28/2006 µg/Kg	B-26(25-25.5) 212481-005 1 3/28/2006 µg/Kg
Chloromethane	10,000	50 U	57 U	56 U	57 U	49 U
Vinyl chloride	10,000	80 U	92 U	90 U	92 U	79 U
Bromomethane	1,000	120 U	140 U	130 U	140 U	120 U
Chloroethane	NS	80 U	92 U	90 U	92 U	79 U
Acrolein	NS	780 U	900 U	870 U	890 U	770 U
1 1-Dichloroethene	10,000	70 U	80 U	78 U	80 U	69 U
Acetone	100,000	200 JB	170 JB	160 JB	160 U	140 U
Methylene chloride	1,000	140 JB	130 JB	130 JB	110 JB	98 JB
trans-1 2-Dichloroethene	50,000	50 U	57 U	56 U	57 U	49 U
Acrylonitrile	1,000	160 U	180 U	180 U	180 U	160 U
1 1-Dichloroethane	10,000	60 U	69 U	67 U	69 U	59 U
cis-1 2-Dichloroethene	1,000	60 U	69 U	67 U	69 U	59 U
2-Butanone (MEK)	50,000	120 U	140 U	130 U	140 U	120 U
Chloroform	1,000	70 U	80 U	78 U	80 U	69 U
1 1 1-Trichloroethane	50,000	40 U	46 U	45 U	46 U	39 U
Carbon tetrachloride	1,000	100 U	110 U	110 U	110 U	98 U
Benzene	1,000	40 U	46 U	45 U	46 U	39 U
1 2-Dichloroethane	1,000	60 U	69 U	67 U	69 U	59 U
Trichloroethene	1,000	70 U	80 U	78 U	80 U	69 U
1 2-Dichloropropane	10,000	90 U	100 U	100 U	100 U	88 U
Bromodichloromethane	1,000	40 U	46 U	45 U	46 U	39 U
2-Chloroethylvinylether	NS	60 U	69 U	67 U	69 U	59 U
cis-1 3-Dichloropropene	1,000	50 U	57 U	56 U	57 U	49 U
4-Methyl-2-pentanone (MIBK)	50,000	70 U	80 U	78 U	80 U	69 U
Toluene	500,000	30 U	34 U	34 U	34 U	29 U
trans-1 3-Dichloropropene	1,000	30 U	34 U	34 U	34 U	29 U
1 1 2-Trichloroethane	1,000	60 U	69 U	67 U	69 U	59 U

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-25(3-3.5) 212603-015 1 4/12/2006 µg/Kg	B-25(10.5-11) 212603-017 1 4/12/2006 µg/Kg	B-25(15.5-16) 212603-019 1 4/12/2006 µg/Kg	B-26(13-13.5) 212481-002 1 3/28/2006 µg/Kg	B-26(25-25.5) 212481-005 1 3/28/2006 µg/Kg
Tetrachloroethene	1,000	50 U	57 U	56 U	57 U	49 U
Dibromochloromethane	1,000	50 U	57 U	56 U	57 U	49 U
Chlorobenzene	1,000	40 U	46 U	45 U	46 U	39 U
1 1 1 2-Tetrachloroethane	1,000	70 U	80 U	78 U	80 U	69 U
Ethylbenzene	100,000	100 U	110 U	110 U	110 U	98 U
Styrene	100,000	50 U	57 U	56 U	57 U	49 U
Bromoform	1,000	80 U	92 U	90 U	92 U	79 U
1 1 2 2-Tetrachloroethane	1,000	40 U	46 U	45 U	46 U	39 U
Xylenes (total)	67,000	100 U	110 U	110 U	110 U	98 U
1 3-Dichlorobenzene	10,000,000	60 U	69 U	67 U	69 U	59 U
1 4-Dichlorobenzene	10,000,000	50 U	57 U	56 U	57 U	49 U
1 2-Dichlorobenzene	10,000,000	60 U	69 U	67 U	69 U	59 U
1 2 4-Trichlorobenzene	100,000	90 U	100 U	100 U	100 U	88 U
Naphthalene	4,200,000	52 JH	62 JH	56 U	57 U	49 U
<b>Total VOCs</b>	1,000,000	392	362	290	110	98

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-27(5-5.5) 212429-015 1 3/23/2006 µg/Kg	B-27(15-15.5) 212429-017 1 3/23/2006 µg/Kg	B-27(27-27.5) 212429-019 1 3/23/2006 µg/Kg	B-28(3.5-4) 212429-003 1 3/22/2006 µg/Kg	B-28(20-20.5) 212429-002 1 3/22/2006 µg/Kg	B-29(11-11.5) 212481-010 1 3/28/2006 µg/Kg	B-29(21-21.5) 212481-012 1 3/28/2006 µg/Kg
Chloromethane	10,000	52 U	48 U	48 U	72 U	59 U	52 U	64 U
Vinyl chloride	10,000	84 U	77 U	77 U	120 U	94 U	83 U	100 U
Bromomethane	1,000	130 U	120 U	120 U	170 U	140 U	120 U	150 U
Chloroethane	NS	84 U	77 U	77 U	120 U	94 U	83 U	100 U
Acrolein	NS	810 U	750 U	750 U	1100 U	920 U	810 U	1000 U
1 1-Dichloroethene	10,000	73 U	68 U	67 U	100 U	82 U	73 U	90 U
Acetone	100,000	250 JB	190 JB	130 UB	300 JB	210 JB	150 U	180 UB
Methylene chloride	1,000	96 JB	83 JB	71 JB	130 JB	130 JB	100 JB	100 JB
trans-1 2-Dichloroethene	50,000	52 U	48 U	48 U	72 U	59 U	52 U	64 U
Acrylonitrile	1,000	170 U	150 U	150 U	230 U	190 U	170 U	210 U
1 1-Dichloroethane	10,000	63 U	58 U	58 U	87 U	71 U	62 U	77 U
cis-1 2-Dichloroethene	1,000	63 U	58 U	58 U	87 U	71 U	62 U	77 U
2-Butanone (MEK)	50,000	130 U	120 U	120 U	170 U	140 U	120 U	150 U
Chloroform	1,000	73 U	68 U	67 U	100 U	82 U	73 U	90 U
1 1 1-Trichloroethane	50,000	42 U	39 U	39 U	58 U	47 U	42 U	51 U
Carbon tetrachloride	1,000	100 U	97 U	96 U	140 U	120 U	100 U	130 U
Benzene	1,000	42 U	39 U	39 U	58 U	47 U	42 U	51 U
1 2-Dichloroethane	1,000	63 U	58 U	58 U	87 U	71 U	62 U	77 U
Trichloroethene	1,000	73 U	68 U	67 U	140 J	82 U	73 U	90 U
1 2-Dichloropropane	10,000	94 U	87 U	87 U	130 U	110 U	94 U	120 U
Bromodichloromethane	1,000	42 U	39 U	39 U	58 U	47 U	42 U	51 U
2-Chloroethylvinylether	NS	63 U	58 U	58 U	87 U	71 U	62 U	77 U
cis-1 3-Dichloropropene	1,000	52 U	48 U	48 U	72 U	59 U	52 U	64 U
4-Methyl-2-pentanone (MIBK)	50,000	73 U	68 U	67 U	100 U	82 U	73 U	90 U
Toluene	500,000	31 U	29 U	29 U	43 U	35 U	31 U	39 U
trans-1 3-Dichloropropene	1,000	31 U	29 U	29 U	43 U	35 U	31 U	39 U
1 1 2-Trichloroethane	1,000	63 U	58 U	58 U	87 U	71 U	62 U	77 U

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-27(5-5.5) 212429-015 1 3/23/2006 µg/Kg	B-27(15-15.5) 212429-017 1 3/23/2006 µg/Kg	B-27(27-27.5) 212429-019 1 3/23/2006 µg/Kg	B-28(3.5-4) 212429-003 1 3/22/2006 µg/Kg	B-28(20-20.5) 212429-002 1 3/22/2006 µg/Kg	B-29(11-11.5) 212481-010 1 3/28/2006 µg/Kg	B-29(21-21.5) 212481-012 1 3/28/2006 µg/Kg
Lab Sample ID								
Dilution								
Date Sampled								
Units								
Compound								
Tetrachloroethene	1,000	130 J	48 U	48 U	230 J	59 U	52 U	64 U
Dibromochloromethane	1,000	52 U	48 U	48 U	72 U	59 U	52 U	64 U
Chlorobenzene	1,000	42 U	39 U	39 U	58 U	47 U	42 U	51 U
1 1 1 2-Tetrachloroethane	1,000	73 U	68 U	67 U	100 U	82 U	73 U	90 U
Ethylbenzene	100,000	100 U	97 U	96 U	140 U	120 U	100 U	130 U
Styrene	100,000	52 U	48 U	48 U	72 U	59 U	52 U	64 U
Bromoform	1,000	84 U	77 U	77 U	120 U	94 U	83 U	100 U
1 1 2 2-Tetrachloroethane	1,000	42 U	39 U	39 U	58 U	47 U	42 U	51 U
Xylenes (total)	67,000	100 U	97 U	96 U	240 J	120 U	100 U	130 U
1 3-Dichlorobenzene	10,000,000	63 U	58 U	58 U	87 U	71 U	62 U	77 U
1 4-Dichlorobenzene	10,000,000	52 U	48 U	48 U	72 U	59 U	52 U	64 U
1 2-Dichlorobenzene	10,000,000	63 U	58 U	58 U	87 U	71 U	62 U	77 U
1 2 4-Trichlorobenzene	100,000	94 U	87 U	87 U	130 U	110 U	94 U	120 U
Naphthalene	4,200,000	52 U	48 U	48 U	72 U	59 U	52 U	64 U
<b>Total VOCs</b>	1,000,000	476	273	201	1040	340	100	280

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-30(5-5.5) 212454-001 1 3/24/2006 µg/Kg	B-30(15-15.5) 212454-003 1 3/24/2006 µg/Kg	B-30(18-18.5) 212454-005 1 3/24/2006 µg/Kg	B-31(7.5-8) 212429-005 1 3/22/2006 µg/Kg	B-31(21-21.5) 212429-007 1 3/22/2006 µg/Kg	B-32(7.5-8) 212429-009 1 3/23/2006 µg/Kg	B-32(17.5-18) 212429-011 1 3/23/2006 µg/Kg
Chloromethane	10,000	51 U	58 U	59 U	57 U	55 U	50 U	62 U
Vinyl chloride	10,000	81 U	93 U	94 U	92 U	88 U	80 U	99 U
Bromomethane	1,000	120 U	140 U	140 U	140 U	130 U	120 U	150 U
Chloroethane	NS	81 U	93 U	94 U	92 U	88 U	80 U	99 U
Acrolein	NS	790 U	900 U	920 U	900 U	850 U	780 U	970 U
1 1-Dichloroethene	10,000	71 U	81 U	83 U	80 U	77 U	70 U	87 U
Acetone	100,000	140 U	160 U	170 U	160 UB	210 JB	230 JB	310 JB
Methylene chloride	1,000	62 JB	85 JB	64 JB	71 JB	67 JB	68 JB	81 JB
trans-1 2-Dichloroethene	50,000	51 U	58 U	59 U	57 U	55 U	50 U	62 U
Acrylonitrile	1,000	160 U	190 U	190 U	180 U	180 U	160 U	200 U
1 1-Dichloroethane	10,000	61 U	69 U	71 U	69 U	66 U	60 U	74 U
cis-1 2-Dichloroethene	1,000	61 U	69 U	71 U	69 U	66 U	60 U	74 U
2-Butanone (MEK)	50,000	120 U	140 U	140 U	140 U	130 U	120 U	150 U
Chloroform	1,000	71 U	81 U	83 U	80 U	77 U	70 U	87 U
1 1 1-Trichloroethane	50,000	41 U	46 U	47 U	46 U	44 U	40 U	50 U
Carbon tetrachloride	1,000	100 U	120 U	120 U	110 U	110 U	100 U	120 U
Benzene	1,000	41 U	46 U	47 U	46 U	44 U	40 U	50 U
1 2-Dichloroethane	1,000	61 U	69 U	71 U	69 U	66 U	60 U	74 U
Trichloroethene	1,000	71 U	81 U	83 U	80 U	77 U	70 U	87 U
1 2-Dichloropropane	10,000	92 U	100 U	110 U	100 U	99 U	90 U	110 U
Bromodichloromethane	1,000	41 U	46 U	47 U	46 U	44 U	40 U	50 U
2-Chloroethylvinylether	NS	61 U	69 U	71 U	69 U	66 U	60 U	74 U
cis-1 3-Dichloropropene	1,000	51 U	58 U	59 U	57 U	55 U	50 U	62 U
4-Methyl-2-pentanone (MIBK)	50,000	71 U	81 U	83 U	80 U	77 U	70 U	87 U
Toluene	500,000	31 U	35 U	35 U	34 U	33 U	30 U	37 U
trans-1 3-Dichloropropene	1,000	31 U	35 U	35 U	34 U	33 U	30 U	37 U
1 1 2-Trichloroethane	1,000	61 U	69 U	71 U	69 U	66 U	60 U	74 U



**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-30(5-5.5) 212454-001 1 3/24/2006 µg/Kg	B-30(15-15.5) 212454-003 1 3/24/2006 µg/Kg	B-30(18-18.5) 212454-005 1 3/24/2006 µg/Kg	B-31(7.5-8) 212429-005 1 3/22/2006 µg/Kg	B-31(21-21.5) 212429-007 1 3/22/2006 µg/Kg	B-32(7.5-8) 212429-009 1 3/23/2006 µg/Kg	B-32(17.5-18) 212429-011 1 3/23/2006 µg/Kg
Tetrachloroethene	1,000	51 U	58 U	59 U	57 U	55 U	50 U	62 U
Dibromochloromethane	1,000	51 U	58 U	59 U	57 U	55 U	50 U	62 U
Chlorobenzene	1,000	41 U	46 U	47 U	46 U	44 U	40 U	50 U
1 1 1 2-Tetrachloroethane	1,000	71 U	81 U	83 U	80 U	77 U	70 U	87 U
Ethylbenzene	100,000	100 U	120 U	120 U	110 U	110 U	100 U	120 U
Styrene	100,000	51 U	58 U	59 U	57 U	55 U	50 U	62 U
Bromoform	1,000	81 U	93 U	94 U	92 U	88 U	80 U	99 U
1 1 2 2-Tetrachloroethane	1,000	41 U	46 U	47 U	46 U	44 U	40 U	50 U
Xylenes (total)	67,000	100 U	120 U	120 U	110 U	110 U	100 U	120 U
1 3-Dichlorobenzene	10,000,000	61 U	69 U	71 U	69 U	66 U	60 U	74 U
1 4-Dichlorobenzene	10,000,000	51 U	58 U	59 U	57 U	55 U	50 U	62 U
1 2-Dichlorobenzene	10,000,000	61 U	69 U	71 U	69 U	66 U	60 U	74 U
1 2 4-Trichlorobenzene	100,000	92 U	100 U	110 U	100 U	99 U	90 U	110 U
Naphthalene	4,200,000	51 U	58 U	59 U	57 U	55 U	50 U	62 U
<b>Total VOCs</b>	1,000,000	62	85	64	231	277	298	391

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-32(23-23.5) 212429-013 1 3/23/2006 µg/Kg	B-33(6-6.5) 212481-014 1 3/29/2006 µg/Kg	B-33(18-18.5) 212481-016 1 3/29/2006 µg/Kg	B-34(5-5.5) 212454-006 1 3/24/2006 µg/Kg	B-34(13.5-14) 212454-008 1 3/24/2006 µg/Kg
Chloromethane	10,000	58 U	54 U	62 U	60 U	55 U
Vinyl chloride	10,000	93 U	86 U	99 U	95 U	88 U
Bromomethane	1,000	140 U	130 U	150 U	140 U	130 U
Chloroethane	NS	93 U	86 U	99 U	95 U	88 U
Acrolein	NS	900 U	840 U	970 U	930 U	860 U
1 1-Dichloroethene	10,000	81 U	75 U	87 U	83 U	77 U
Acetone	100,000	250 JB	190 JB	170 UB	170 U	150 U
Methylene chloride	1,000	77 JB	130 JB	220 JB	65 JB	68 JB
trans-1 2-Dichloroethene	50,000	58 U	54 U	62 U	60 U	55 U
Acrylonitrile	1,000	190 U	170 U	200 U	190 U	180 U
1 1-Dichloroethane	10,000	69 U	64 U	74 U	71 U	66 U
cis-1 2-Dichloroethene	1,000	69 U	64 U	74 U	71 U	66 U
2-Butanone (MEK)	50,000	140 U	130 U	150 U	140 U	130 U
Chloroform	1,000	81 U	75 U	87 U	83 U	77 U
1 1 1-Trichloroethane	50,000	46 U	43 U	50 U	48 U	44 U
Carbon tetrachloride	1,000	120 U	110 U	120 U	120 U	110 U
Benzene	1,000	46 U	43 U	50 U	48 U	44 U
1 2-Dichloroethane	1,000	69 U	64 U	74 U	71 U	66 U
Trichloroethene	1,000	81 U	75 U	87 U	83 U	77 U
1 2-Dichloropropane	10,000	100 U	97 U	110 U	110 U	99 U
Bromodichloromethane	1,000	46 U	43 U	50 U	48 U	44 U
2-Chloroethylvinylether	NS	69 U	64 U	74 U	71 U	66 U
cis-1 3-Dichloropropene	1,000	58 U	54 U	62 U	60 U	55 U
4-Methyl-2-pentanone (MIBK)	50,000	81 U	75 U	87 U	83 U	77 U
Toluene	500,000	35 U	32 U	37 U	36 U	33 U
trans-1 3-Dichloropropene	1,000	35 U	32 U	37 U	36 U	33 U
1 1 2-Trichloroethane	1,000	69 U	64 U	74 U	71 U	66 U

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-32(23-23.5)	B-33(6-6.5)	B-33(18-18.5)	B-34(5-5.5)	B-34(13.5-14)
Lab Sample ID	Acceptance	212429-013	212481-014	212481-016	212454-006	212454-008
Dilution	Criteria <sup>1</sup>	1	1	1	1	1
Date Sampled	Criteria <sup>1</sup>	3/23/2006	3/29/2006	3/29/2006	3/24/2006	3/24/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound						
Tetrachloroethene	1,000	58 U	54 U	62 U	60 U	55 U
Dibromochloromethane	1,000	58 U	54 U	62 U	60 U	55 U
Chlorobenzene	1,000	46 U	43 U	50 U	48 U	44 U
1 1 1 2-Tetrachloroethane	1,000	81 U	75 U	87 U	83 U	77 U
Ethylbenzene	100,000	120 U	110 U	120 U	120 U	110 U
Styrene	100,000	58 U	54 U	62 U	60 U	55 U
Bromoform	1,000	93 U	86 U	99 U	95 U	88 U
1 1 2 2-Tetrachloroethane	1,000	46 U	43 U	50 U	48 U	44 U
Xylenes (total)	67,000	120 U	110 U	120 U	120 U	110 U
1 3-Dichlorobenzene	10,000,000	69 U	64 U	74 U	71 U	66 U
1 4-Dichlorobenzene	10,000,000	58 U	54 U	62 U	60 U	55 U
1 2-Dichlorobenzene	10,000,000	69 U	64 U	74 U	71 U	66 U
1 2 4-Trichlorobenzene	100,000	100 U	97 U	110 U	110 U	99 U
Naphthalene	4,200,000	58 U	1300	62 U	60 U	55 U
<b>Total VOCs</b>	1,000,000	327	1620	390	65	68

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-35(5-5.5) 212454-010 1 3/24/2006 µg/Kg	B-35(15-15.5) 212454-012 1 3/24/2006 µg/Kg	B-35(25-25.5) 212454-014 1 3/24/2006 µg/Kg	B-36(3.5-4) 212454-016 1 3/27/2006 µg/Kg	B-36(16-16.5) 212454-018 1 3/27/2006 µg/Kg	B-36(24-24.5) 212454-020 1 3/27/2006 µg/Kg
Chloromethane	10,000	48 U	60 U	60 U	70 U	52 U	48 U
Vinyl chloride	10,000	77 U	96 U	95 U	110 U	83 U	77 U
Bromomethane	1,000	120 U	140 U	140 U	170 U	120 U	120 U
Chloroethane	NS	77 U	96 U	95 U	110 U	83 U	77 U
Acrolein	NS	750 U	940 U	930 U	1100 U	810 U	750 U
1 1-Dichloroethene	10,000	67 U	84 U	83 U	99 U	72 U	67 U
Acetone	100,000	130 U	170 UB	170 UB	300 J	140 U	130 U
Methylene chloride	1,000	61 JB	120 JB	92 JB	72 JB	58 JB	52 JB
trans-1 2-Dichloroethene	50,000	48 U	60 U	60 U	70 U	52 U	48 U
Acrylonitrile	1,000	150 U	190 U	190 U	230 U	170 U	150 U
1 1-Dichloroethane	10,000	58 U	72 U	71 U	85 U	62 U	58 U
cis-1 2-Dichloroethene	1,000	58 U	72 U	71 U	85 U	62 U	58 U
2-Butanone (MEK)	50,000	120 U	140 U	140 U	170 U	120 U	120 U
Chloroform	1,000	67 U	84 U	83 U	99 U	72 U	67 U
1 1 1-Trichloroethane	50,000	38 U	48 U	48 U	56 U	41 U	38 U
Carbon tetrachloride	1,000	96 U	120 U	120 U	140 U	100 U	96 U
Benzene	1,000	38 U	48 U	48 U	56 U	41 U	38 U
1 2-Dichloroethane	1,000	58 U	72 U	71 U	85 U	62 U	58 U
Trichloroethene	1,000	67 U	84 U	83 U	99 U	72 U	67 U
1 2-Dichloropropane	10,000	87 U	110 U	110 U	130 U	93 U	86 U
Bromodichloromethane	1,000	38 U	48 U	48 U	56 U	41 U	38 U
2-Chloroethylvinylether	NS	58 U	72 U	71 U	85 U	62 U	58 U
cis-1 3-Dichloropropene	1,000	48 U	60 U	60 U	70 U	52 U	48 U
4-Methyl-2-pentanone (MIBK)	50,000	67 U	84 U	83 U	99 U	72 U	67 U
Toluene	500,000	29 U	36 U	36 U	42 U	31 U	29 U
trans-1 3-Dichloropropene	1,000	29 U	36 U	36 U	42 U	31 U	29 U
1 1 2-Trichloroethane	1,000	58 U	72 U	71 U	85 U	62 U	58 U

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-35(5-5.5) 212454-010 1 3/24/2006 µg/Kg	B-35(15-15.5) 212454-012 1 3/24/2006 µg/Kg	B-35(25-25.5) 212454-014 1 3/24/2006 µg/Kg	B-36(3.5-4) 212454-016 1 3/27/2006 µg/Kg	B-36(16-16.5) 212454-018 1 3/27/2006 µg/Kg	B-36(24-24.5) 212454-020 1 3/27/2006 µg/Kg
Lab Sample ID							
Dilution							
Date Sampled							
Units							
Compound							
Tetrachloroethene	1,000	48 U	60 U	60 U	70 U	52 U	48 U
Dibromochloromethane	1,000	48 U	60 U	60 U	70 U	52 U	48 U
Chlorobenzene	1,000	38 U	48 U	48 U	56 U	41 U	38 U
1 1 1 2-Tetrachloroethane	1,000	67 U	84 U	83 U	99 U	72 U	67 U
Ethylbenzene	100,000	96 U	120 U	120 U	140 U	100 U	96 U
Styrene	100,000	48 U	60 U	60 U	70 U	52 U	48 U
Bromoform	1,000	77 U	96 U	95 U	110 U	83 U	77 U
1 1 2 2-Tetrachloroethane	1,000	38 U	48 U	48 U	56 U	41 U	38 U
Xylenes (total)	67,000	96 U	120 U	120 U	140 U	100 U	96 U
1 3-Dichlorobenzene	10,000,000	58 U	72 U	71 U	85 U	62 U	58 U
1 4-Dichlorobenzene	10,000,000	48 U	60 U	60 U	70 U	52 U	48 U
1 2-Dichlorobenzene	10,000,000	58 U	72 U	71 U	85 U	62 U	58 U
1 2 4-Trichlorobenzene	100,000	87 U	110 U	110 U	130 U	93 U	86 U
Naphthalene	4,200,000	48 U	60 U	60 U	70 U	52 U	48 U
<b>Total VOCs</b>	1,000,000	61	290	262	512	58	52

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-37(6-6.5) 212481-018 1 3/29/2006 µg/Kg	B-37(18-18.5) 212481-020 1 3/29/2006 µg/Kg	B-38(4.5-5) 212481-006 1 3/27/2006 µg/Kg	B-38(12-12.5) 212481-008 1 3/27/2006 µg/Kg	B-39(5.5-6) 212571-012 1 4/5/2006 µg/Kg	B-39(15.5-16) 212655-011 1 4/13/2006 µg/Kg
Chloromethane	10,000	65 U	60 U	53 U	49 U	79 U	56 U
Vinyl chloride	10,000	100 U	96 U	84 U	78 U	130 U	89 U
Bromomethane	1,000	160 U	140 U	130 U	120 U	190 U	130 U
Chloroethane	NS	100 U	96 U	84 U	78 U	130 U	89 U
Acrolein	NS	1000 U	930 U	820 U	760 U	1200 U	870 U
1 1-Dichloroethene	10,000	90 U	84 U	74 U	68 U	110 U	78 U
Acetone	100,000	180 UB	170 UB	150 U	140 U	250 JB	610 JB
Methylene chloride	1,000	140 JB	89 JB	94 JB	180 JB	150 JB	730 B
trans-1 2-Dichloroethene	50,000	65 U	60 U	53 U	49 U	79 U	56 U
Acrylonitrile	1,000	210 U	190 U	170 U	160 U	250 U	180 U
1 1-Dichloroethane	10,000	78 U	72 U	63 U	59 U	95 U	67 U
cis-1 2-Dichloroethene	1,000	78 U	72 U	63 U	59 U	95 U	67 U
2-Butanone (MEK)	50,000	160 U	140 U	130 U	120 U	190 U	130 U
Chloroform	1,000	90 U	84 U	74 U	68 U	110 U	78 U
1 1 1-Trichloroethane	50,000	52 U	48 U	42 U	39 U	64 U	45 U
Carbon tetrachloride	1,000	130 U	120 U	110 U	98 U	160 U	110 U
Benzene	1,000	52 U	48 U	73 J	39 U	64 U	45 U
1 2-Dichloroethane	1,000	78 U	72 U	63 U	59 U	95 U	67 U
Trichloroethene	1,000	90 U	84 U	74 U	68 U	110 U	78 U
1 2-Dichloropropane	10,000	120 U	110 U	95 U	88 U	140 U	100 U
Bromodichloromethane	1,000	52 U	48 U	42 U	39 U	64 U	45 U
2-Chloroethylvinylether	NS	78 U	72 U	63 U	59 U	95 U	67 U
cis-1 3-Dichloropropene	1,000	65 U	60 U	53 U	49 U	79 U	56 U
4-Methyl-2-pentanone (MIBK)	50,000	90 U	84 U	74 U	68 U	110 U	78 U
Toluene	500,000	39 U	36 U	32 U	29 U	48 U	33 U
trans-1 3-Dichloropropene	1,000	39 U	36 U	32 U	29 U	48 U	33 U
1 1 2-Trichloroethane	1,000	78 U	72 U	63 U	59 U	95 U	67 U

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-37(6-6.5) 212481-018 1 3/29/2006 µg/Kg	B-37(18-18.5) 212481-020 1 3/29/2006 µg/Kg	B-38(4.5-5) 212481-006 1 3/27/2006 µg/Kg	B-38(12-12.5) 212481-008 1 3/27/2006 µg/Kg	B-39(5.5-6) 212571-012 1 4/5/2006 µg/Kg	B-39(15.5-16) 212655-011 1 4/13/2006 µg/Kg
Lab Sample ID							
Dilution							
Date Sampled							
Units							
Compound							
Tetrachloroethene	1,000	65 U	60 U	53 U	49 U	79 U	56 U
Dibromochloromethane	1,000	65 U	60 U	53 U	49 U	79 U	56 U
Chlorobenzene	1,000	52 U	48 U	42 U	39 U	64 U	45 U
1 1 1 2-Tetrachloroethane	1,000	90 U	84 U	74 U	68 U	110 U	78 U
Ethylbenzene	100,000	130 U	120 U	110 U	98 U	160 U	110 U
Styrene	100,000	65 U	60 U	53 U	49 U	79 U	56 U
Bromoform	1,000	100 U	96 U	84 U	78 U	130 U	89 U
1 1 2 2-Tetrachloroethane	1,000	52 U	48 U	42 U	39 U	64 U	45 U
Xylenes (total)	67,000	130 U	120 U	110 U	98 U	160 U	110 U
1 3-Dichlorobenzene	10,000,000	78 U	72 U	63 U	59 U	95 U	67 U
1 4-Dichlorobenzene	10,000,000	65 U	60 U	53 U	49 U	79 U	56 U
1 2-Dichlorobenzene	10,000,000	78 U	72 U	63 U	59 U	95 U	67 U
1 2 4-Trichlorobenzene	100,000	120 U	110 U	95 U	88 U	140 U	100 U
Naphthalene	4,200,000	65 U	60 U	53 U	49 U	91 J	56 U
<b>Total VOCs</b>	1,000,000	320	259	167	180	491	1340

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-40(5-5.5) 212499-011 1 3/30/2006 µg/Kg	B-40(15-15.5) 212499-013 1 3/30/2006 µg/Kg	B-40(26-26.5) 212499-015 1 3/30/2006 µg/Kg	B-41(5-5.5) 212499-006 5 3/30/2006 µg/Kg	B-41(15-15.5) 212499-009 1 3/30/2006 µg/Kg
Chloromethane	10,000	57 U	55 U	61 U	280 U	58 U
Vinyl chloride	10,000	91 U	88 U	97 U	450 U	92 U
Bromomethane	1,000	140 U	130 U	150 U	670 U	140 U
Chloroethane	NS	91 U	88 U	97 U	450 U	92 U
Acrolein	NS	880 U	860 U	950 U	4400 U	900 U
1 1-Dichloroethene	10,000	79 U	77 U	85 U	390 U	81 U
Acetone	100,000	500 JB	370 JB	480 JB	780 U	910 JB
Methylene chloride	1,000	310 JB	270 JB	330 JB	470 JB	440 JB
trans-1 2-Dichloroethene	50,000	57 U	55 U	61 U	280 U	58 U
Acrylonitrile	1,000	180 U	180 U	190 U	890 U	180 U
1 1-Dichloroethane	10,000	68 U	66 U	73 U	340 U	69 U
cis-1 2-Dichloroethene	1,000	68 U	66 U	73 U	340 U	69 U
2-Butanone (MEK)	50,000	140 U	130 U	150 U	670 U	140 U
Chloroform	1,000	79 U	77 U	85 U	390 U	81 U
1 1 1-Trichloroethane	50,000	45 U	44 U	48 U	220 U	46 U
Carbon tetrachloride	1,000	110 U	110 U	120 U	560 U	120 U
Benzene	1,000	45 U	44 U	48 U	220 U	46 U
1 2-Dichloroethane	1,000	68 U	66 U	73 U	340 U	69 U
Trichloroethene	1,000	79 U	77 U	85 U	390 U	81 U
1 2-Dichloropropane	10,000	100 U	99 U	110 U	500 U	100 U
Bromodichloromethane	1,000	45 U	44 U	48 U	220 U	46 U
2-Chloroethylvinylether	NS	68 U	66 U	73 U	340 U	69 U
cis-1 3-Dichloropropene	1,000	57 U	55 U	61 U	280 U	58 U
4-Methyl-2-pentanone (MIBK)	50,000	79 U	77 U	85 U	390 U	81 U
Toluene	500,000	74 J	33 U	36 U	350 J	35 U
trans-1 3-Dichloropropene	1,000	34 U	33 U	36 U	170 U	35 U
1 1 2-Trichloroethane	1,000	68 U	66 U	73 U	340 U	69 U



**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-40(5-5.5) 212499-011 1 3/30/2006 µg/Kg	B-40(15-15.5) 212499-013 1 3/30/2006 µg/Kg	B-40(26-26.5) 212499-015 1 3/30/2006 µg/Kg	B-41(5-5.5) 212499-006 5 3/30/2006 µg/Kg	B-41(15-15.5) 212499-009 1 3/30/2006 µg/Kg
Tetrachloroethene	1,000	57 U	55 U	61 U	280 U	58 U
Dibromochloromethane	1,000	57 U	55 U	61 U	280 U	58 U
Chlorobenzene	1,000	45 U	44 U	48 U	220 U	46 U
1 1 1 2-Tetrachloroethane	1,000	79 U	77 U	85 U	390 U	81 U
Ethylbenzene	100,000	110 U	110 U	120 U	560 U	120 U
Styrene	100,000	57 U	55 U	61 U	280 U	58 U
Bromoform	1,000	91 U	88 U	97 U	450 U	92 U
1 1 2 2-Tetrachloroethane	1,000	45 U	44 U	48 U	220 U	46 U
Xylenes (total)	67,000	110 U	110 U	120 U	560 U	120 U
1 3-Dichlorobenzene	10,000,000	68 U	66 U	73 U	340 U	69 U
1 4-Dichlorobenzene	10,000,000	57 U	55 U	61 U	280 U	58 U
1 2-Dichlorobenzene	10,000,000	68 U	66 U	73 U	340 U	69 U
1 2 4-Trichlorobenzene	100,000	100 U	99 U	110 U	500 U	100 U
Naphthalene	4,200,000	57 U	420 J	61 U	280 U	58 U
<b>Total VOCs</b>	1,000,000	884	1060	810	820	1350

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-41(25-25.5) 212499-010 1 3/30/2006 µg/Kg	B-42(6-6.5) 212499-002 1 3/29/2006 µg/Kg	B-42(18-18.5) 212499-004 1 3/29/2006 µg/Kg	B-44(17.5-18) 212550-001 1 4/3/2006 µg/Kg	B-43(19-19.5) 212499-018 1 4/3/2006 µg/Kg	B-45(12-12.5) 212571-001 1 4/3/2006 µg/Kg	B-46(13-13.5) 212571-003 1 4/4/2006 µg/Kg
Chloromethane	10,000	61 U	57 U	56 U	55 U	53 U	52 U	48 U
Vinyl chloride	10,000	97 U	92 U	89 U	88 U	86 U	83 U	76 U
Bromomethane	1,000	150 U	140 U	130 U	130 U	130 U	120 U	110 U
Chloroethane	NS	97 U	92 U	89 U	88 U	86 U	83 U	76 U
Acrolein	NS	950 U	900 U	870 U	N/A	830 U	810 U	750 U
1 1-Dichloroethene	10,000	85 U	80 U	78 U	N/A	75 U	73 U	67 U
Acetone	100,000	480 JB	1000 JB	910 JB	290 JB	150 U	150 UB	160 JB
Methylene chloride	1,000	320 JB	510 JB	1000 B	90 JB	120 JB	93 JB	200 JB
trans-1 2-Dichloroethene	50,000	61 U	57 U	56 U	55 U	53 U	52 U	48 U
Acrylonitrile	1,000	190 U	180 U	180 U	N/A	170 U	170 U	150 U
1 1-Dichloroethane	10,000	73 U	69 U	67 U	66 U	64 U	62 U	57 U
cis-1 2-Dichloroethene	1,000	73 U	69 U	67 U	66 U	64 U	62 U	57 U
2-Butanone (MEK)	50,000	150 U	140 U	130 U	130 U	130 U	120 U	110 U
Chloroform	1,000	85 U	80 U	78 U	77 U	75 U	73 U	67 U
1 1 1-Trichloroethane	50,000	49 U	46 U	45 U	44 U	43 U	41 U	38 U
Carbon tetrachloride	1,000	120 U	110 U	110 U	110 U	110 U	100 U	96 U
Benzene	1,000	49 U	46 U	45 U	90 J	43 U	41 U	38 U
1 2-Dichloroethane	1,000	73 U	69 U	67 U	66 U	64 U	62 U	57 U
Trichloroethene	1,000	85 U	80 U	78 U	77 U	75 U	73 U	67 U
1 2-Dichloropropane	10,000	110 U	100 U	100 U	99 U	96 U	93 U	86 U
Bromodichloromethane	1,000	49 U	46 U	45 U	44 U	43 U	41 U	38 U
2-Chloroethylvinylether	NS	73 U	69 U	67 U	N/A	64 U	62 U	57 U
cis-1 3-Dichloropropene	1,000	61 U	57 U	56 U	55 U	53 U	52 U	48 U
4-Methyl-2-pentanone (MIBK)	50,000	85 U	80 U	78 U	77 U	75 U	73 U	67 U
Toluene	500,000	36 U	34 U	33 U	33 U	32 U	31 U	29 U
trans-1 3-Dichloropropene	1,000	36 U	34 U	33 U	33 U	32 U	31 U	29 U
1 1 2-Trichloroethane	1,000	73 U	69 U	67 U	66 U	64 U	62 U	57 U

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-41(25-25.5) 212499-010 1 3/30/2006 µg/Kg	B-42(6-6.5) 212499-002 1 3/29/2006 µg/Kg	B-42(18-18.5) 212499-004 1 3/29/2006 µg/Kg	B-44(17.5-18) 212550-001 1 4/3/2006 µg/Kg	B-43(19-19.5) 212499-018 1 4/3/2006 µg/Kg	B-45(12-12.5) 212571-001 1 4/3/2006 µg/Kg	B-46(13-13.5) 212571-003 1 4/4/2006 µg/Kg
Lab Sample ID								
Dilution								
Date Sampled								
Units								
Compound								
Tetrachloroethene	1,000	61 U	57 U	56 U	55 U	53 U	52 U	48 U
Dibromochloromethane	1,000	61 U	57 U	56 U	55 U	53 U	52 U	48 U
Chlorobenzene	1,000	49 U	46 U	45 U	44 U	43 U	41 U	38 U
1 1 1 2-Tetrachloroethane	1,000	85 U	80 U	78 U	N/A	75 U	73 U	67 U
Ethylbenzene	100,000	120 U	110 U	110 U	160 J	110 U	100 U	96 U
Styrene	100,000	61 U	57 U	56 U	55 U	53 U	52 U	48 U
Bromoform	1,000	97 U	92 U	89 U	88 U	86 U	83 U	76 U
1 1 2 2-Tetrachloroethane	1,000	49 U	46 U	45 U	44 U	43 U	41 U	38 U
Xylenes (total)	67,000	120 U	130 J	110 U	560	110 U	100 U	96 U
1 3-Dichlorobenzene	10,000,000	73 U	69 U	67 U	N/A	64 U	62 U	57 U
1 4-Dichlorobenzene	10,000,000	61 U	57 U	56 U	N/A	53 U	52 U	48 U
1 2-Dichlorobenzene	10,000,000	73 U	69 U	67 U	N/A	64 U	62 U	57 U
1 2 4-Trichlorobenzene	100,000	110 U	100 U	100 U	N/A	96 U	93 U	86 U
Naphthalene	4,200,000	61 U	600	56 U	N/A	53 U	150 J	48 U
<b>Total VOCs</b>	1,000,000	800	2240	1910	1190	120	393	360

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-47(3.5-4) 212603-007 1 4/10/2006 µg/Kg	B-48(5-5.5) 212571-016 1 4/6/2006 µg/Kg	B-49(5-5.5) 212571-010 1 4/5/2006 µg/Kg	B-50(3.5-4) 212571-017 1 4/6/2006 µg/Kg	B-51(6.5-7) 212571-006 1 4/4/2006 µg/Kg	B-51(17-17.5) 212571-009 1 4/4/2006 µg/Kg	B-52 (6-18)  Missing data for this interval however it is being sent out as petroleum waste.
Chloromethane	10,000	54 U	65 U	56 U	63 U	80 U	57 U	
Vinyl chloride	10,000	86 U	100 U	90 U	100 U	130 U	92 U	
Bromomethane	1,000	130 U	160 U	130 U	150 U	190 U	140 U	
Chloroethane	NS	86 U	100 U	90 U	100 U	130 U	92 U	
Acrolein	NS	840 U	1000 U	870 U	990 U	1200 U	900 U	
1 1-Dichloroethene	10,000	75 U	91 U	79 U	89 U	110 U	80 U	
Acetone	100,000	220 JB	310 JB	320 JB	200 JB	460 JB	200 JB	
Methylene chloride	1,000	120 JB	130 JB	110 JB	120 JB	180 JB	110 JB	
trans-1 2-Dichloroethene	50,000	54 U	65 U	56 U	63 U	80 U	57 U	
Acrylonitrile	1,000	170 U	210 U	180 U	200 U	260 U	180 U	
1 1-Dichloroethane	10,000	64 U	78 U	67 U	76 U	96 U	69 U	
cis-1 2-Dichloroethene	1,000	64 U	78 U	67 U	76 U	96 U	69 U	
2-Butanone (MEK)	50,000	130 U	160 U	130 U	150 U	190 U	140 U	
Chloroform	1,000	75 U	91 U	79 U	89 U	110 U	80 U	
1 1 1-Trichloroethane	50,000	43 U	52 U	45 U	51 U	64 U	46 U	
Carbon tetrachloride	1,000	110 U	130 U	110 U	130 U	160 U	110 U	
Benzene	1,000	43 U	52 U	45 U	51 U	64 U	46 U	
1 2-Dichloroethane	1,000	64 U	78 U	67 U	76 U	96 U	69 U	
Trichloroethene	1,000	75 U	91 U	79 U	89 U	110 U	80 U	
1 2-Dichloropropane	10,000	97 U	120 U	100 U	110 U	140 U	100 U	
Bromodichloromethane	1,000	43 U	52 U	45 U	51 U	64 U	46 U	
2-Chloroethylvinylether	NS	64 U	78 U	67 U	76 U	96 U	69 U	
cis-1 3-Dichloropropene	1,000	54 U	65 U	56 U	63 U	80 U	57 U	
4-Methyl-2-pentanone (MIBK)	50,000	75 U	91 U	79 U	89 U	110 U	80 U	
Toluene	500,000	32 U	730	210 JH	87 J	310 J	51 J	
trans-1 3-Dichloropropene	1,000	32 U	39 U	34 U	38 U	48 U	34 U	
1 1 2-Trichloroethane	1,000	64 U	78 U	67 U	76 U	96 U	69 U	

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-47(3.5-4) 212603-007 1 4/10/2006 µg/Kg	B-48(5-5.5) 212571-016 1 4/6/2006 µg/Kg	B-49(5-5.5) 212571-010 1 4/5/2006 µg/Kg	B-50(3.5-4) 212571-017 1 4/6/2006 µg/Kg	B-51(6.5-7) 212571-006 1 4/4/2006 µg/Kg	B-51(17-17.5) 212571-009 1 4/4/2006 µg/Kg	B-52 (6-18)  Missing data for this interval however it is being sent out as petroleum waste.
Tetrachloroethene	1,000	54 U	65 U	56 U	63 U	80 U	57 U	
Dibromochloromethane	1,000	54 U	65 U	56 U	63 U	80 U	57 U	
Chlorobenzene	1,000	43 U	52 U	45 U	51 U	64 U	46 U	
1 1 1 2-Tetrachloroethane	1,000	75 U	91 U	79 U	89 U	110 U	80 U	
Ethylbenzene	100,000	110 U	130 U	110 U	130 U	160 U	110 U	
Styrene	100,000	54 U	65 U	56 U	63 U	80 U	57 U	
Bromoform	1,000	86 U	100 U	90 U	100 U	130 U	92 U	
1 1 2 2-Tetrachloroethane	1,000	43 U	52 U	45 U	51 U	64 U	46 U	
Xylenes (total)	67,000	110 U	220 J	110 U	130 U	160 U	110 U	
1 3-Dichlorobenzene	10,000,000	64 U	78 U	67 U	76 U	96 U	69 U	
1 4-Dichlorobenzene	10,000,000	54 U	65 U	56 U	63 U	320 J	57 U	
1 2-Dichlorobenzene	10,000,000	64 U	78 U	67 U	76 U	96 U	69 U	
1 2 4-Trichlorobenzene	100,000	97 U	120 U	100 U	110 U	140 U	100 U	
Naphthalene	4,200,000	54 U	260 J	480 J	480 J	4500	140 J	
<b>Total VOCs</b>	1,000,000	340	1650	1120	887	5770	501	

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-53(3-3.5) 212655-001 1 4/12/2006 µg/Kg	B-54(3-3.5) 212655-003 1 4/13/2006 µg/Kg	B-55(6-6.5) 212571-019 1 4/7/2006 µg/Kg	B-55(18-18.5) 212603-001 1 4/7/2006 µg/Kg
Chloromethane	10,000	67 U	54 U	60 U	49 U
Vinyl chloride	10,000	110 U	86 U	97 U	78 U
Bromomethane	1,000	160 U	130 U	140 U	120 U
Chloroethane	NS	110 U	86 U	97 U	78 U
Acrolein	NS	1000 U	840 U	940 U	760 U
1 1-Dichloroethene	10,000	93 U	75 U	85 U	68 U
Acetone	100,000	230 JB	150 JB	180 JB	360 JB
Methylene chloride	1,000	150 JB	140 JB	180 JB	200 JB
trans-1 2-Dichloroethene	50,000	67 U	54 U	60 U	49 U
Acrylonitrile	1,000	210 U	170 U	190 U	160 U
1 1-Dichloroethane	10,000	80 U	64 U	72 U	59 U
cis-1 2-Dichloroethene	1,000	80 U	64 U	72 U	59 U
2-Butanone (MEK)	50,000	160 U	130 U	140 U	120 U
Chloroform	1,000	93 U	75 U	85 U	68 U
1 1 1-Trichloroethane	50,000	53 U	43 U	48 U	39 U
Carbon tetrachloride	1,000	130 U	110 U	120 U	98 U
Benzene	1,000	53 U	43 U	48 U	39 U
1 2-Dichloroethane	1,000	80 U	64 U	72 U	59 U
Trichloroethene	1,000	270 J	75 U	85 U	68 U
1 2-Dichloropropane	10,000	120 U	97 U	110 U	88 U
Bromodichloromethane	1,000	53 U	43 U	48 U	39 U
2-Chloroethylvinylether	NS	80 U	64 U	72 U	59 U
cis-1 3-Dichloropropene	1,000	67 U	54 U	60 U	49 U
4-Methyl-2-pentanone (MIBK)	50,000	93 U	75 U	85 U	68 U
Toluene	500,000	40 U	32 U	36 U	29 U
trans-1 3-Dichloropropene	1,000	40 U	32 U	36 U	29 U
1 1 2-Trichloroethane	1,000	80 U	64 U	72 U	59 U

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Beneficial Use Acceptance Criteria<sup>1</sup></b>	<b>B-53(3-3.5)</b>	<b>B-54(3-3.5)</b>	<b>B-55(6-6.5)</b>	<b>B-55(18-18.5)</b>
<b>Lab Sample ID</b>		<b>212655-001</b>	<b>212655-003</b>	<b>212571-019</b>	<b>212603-001</b>
<b>Dilution</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>		<b>4/12/2006</b>	<b>4/13/2006</b>	<b>4/7/2006</b>	<b>4/7/2006</b>
<b>Units</b>		<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>					
Tetrachloroethene	1,000	67 U	54 U	60 U	49 U
Dibromochloromethane	1,000	67 U	54 U	60 U	49 U
Chlorobenzene	1,000	53 U	43 U	48 U	39 U
1 1 1 2-Tetrachloroethane	1,000	93 U	75 U	85 U	68 U
Ethylbenzene	100,000	130 U	110 U	120 U	98 U
Styrene	100,000	67 U	54 U	60 U	49 U
Bromoform	1,000	110 U	86 U	97 U	78 U
1 1 2 2-Tetrachloroethane	1,000	53 U	43 U	48 U	39 U
Xylenes (total)	67,000	130 U	110 U	120 U	98 U
1 3-Dichlorobenzene	10,000,000	80 U	64 U	72 U	59 U
1 4-Dichlorobenzene	10,000,000	67 U	54 U	60 U	49 U
1 2-Dichlorobenzene	10,000,000	80 U	64 U	72 U	59 U
1 2 4-Trichlorobenzene	100,000	120 U	97 U	110 U	88 U
Naphthalene	4,200,000	67 U	54 U	60 U	49 U
<b>Total VOCs</b>	1,000,000	650	290	360	560

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Beneficial Use Acceptance Criteria<sup>1</sup> (µg/Kg)</b>	<b>B-56(6-6.5) 212603-004 1 4/7/2006 µg/Kg</b>	<b>B-56(18-18.5) 212603-005 1 4/7/2006 µg/Kg</b>
Lab Sample ID			
Dilution			
Date Sampled			
Units			
<b>Compound</b>			
Chloromethane	10,000	47 U	52 U
Vinyl chloride	10,000	75 U	83 U
Bromomethane	1,000	110 U	130 U
Chloroethane	NS	75 U	83 U
Acrolein	NS	730 U	810 U
1 1-Dichloroethene	10,000	66 U	73 U
Acetone	100,000	170 JB	200 JB
Methylene chloride	1,000	160 JB	150 JB
trans-1 2-Dichloroethene	50,000	47 U	52 U
Acrylonitrile	1,000	150 U	170 U
1 1-Dichloroethane	10,000	56 U	63 U
cis-1 2-Dichloroethene	1,000	56 U	63 U
2-Butanone (MEK)	50,000	110 U	130 U
Chloroform	1,000	66 U	73 U
1 1 1-Trichloroethane	50,000	38 U	42 U
Carbon tetrachloride	1,000	94 U	100 U
Benzene	1,000	38 U	42 U
1 2-Dichloroethane	1,000	56 U	63 U
Trichloroethene	1,000	66 U	73 U
1 2-Dichloropropane	10,000	85 U	94 U
Bromodichloromethane	1,000	38 U	42 U
2-Chloroethylvinylether	NS	56 U	63 U
cis-1 3-Dichloropropene	1,000	47 U	52 U
4-Methyl-2-pentanone (MIBK)	50,000	66 U	73 U
Toluene	500,000	28 U	31 U
trans-1 3-Dichloropropene	1,000	28 U	31 U
1 1 2-Trichloroethane	1,000	56 U	63 U



**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Beneficial Use Acceptance Criteria<sup>1</sup> (µg/Kg)</b>	<b>B-56(6-6.5) 212603-004 1 4/7/2006 µg/Kg</b>	<b>B-56(18-18.5) 212603-005 1 4/7/2006 µg/Kg</b>
<b>Lab Sample ID</b>			
<b>Dilution</b>			
<b>Date Sampled</b>			
<b>Units</b>			
<b>Compound</b>			
Tetrachloroethene	1,000	47 U	52 U
Dibromochloromethane	1,000	47 U	52 U
Chlorobenzene	1,000	38 U	42 U
1 1 1 2-Tetrachloroethane	1,000	66 U	73 U
Ethylbenzene	100,000	94 U	100 U
Styrene	100,000	47 U	52 U
Bromoform	1,000	75 U	83 U
1 1 2 2-Tetrachloroethane	1,000	38 U	42 U
Xylenes (total)	67,000	94 U	100 U
1 3-Dichlorobenzene	10,000,000	56 U	63 U
1 4-Dichlorobenzene	10,000,000	47 U	52 U
1 2-Dichlorobenzene	10,000,000	56 U	63 U
1 2 4-Trichlorobenzene	100,000	85 U	94 U
Naphthalene	4,200,000	47 U	52 U
<b>Total VOCs</b>	1,000,000	330	350

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes**

1 - The Beneficial Use Acceptance Criteria, based on the analytical criteria provided by the Former Allied Signal Site, Elizabeth, NJ.

µg/Kg - micrograms per kilogram = parts per billion (ppb)

U - Analyte was not detected at or above the reporting limit.

H - concentration was calculated using manual alternate peak selection.

J - Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).

NS - No standard

N/A - Not Analyzed

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-20(0-6)	B-21(0-6)	B-22(0-6)	B-23(0-6)	B-24(0-6)	B-24(6-12)	B-25(0-6)
Lab Sample ID	Acceptance	212603-014	212603-012	212603-010	212655-006	212655-008	212655-010	212603-016
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	1	1
Date Sampled		4/10/2006	4/10/2006	4/10/2006	4/13/2006	4/13/2006	4/13/2006	4/12/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound								
n-Nitrosodimethylamine	NS	54 U	55 U	55 U	55 U	55 U	57 U	54 U
Phenol	10,000,000	110 U	110 U	110 U	110 U	110 U	110 U	110 U
Bis(2-chloroethyl)ether	3,000	50 U	50 U	50 U	50 U	50 U	52 U	50 U
1 3-Dichlorobenzene	10,000,000	57 U	57 U	57 U	57 U	57 U	59 U	57 U
1 4-Dichlorobenzene	10,000,000	59 U	59 U	59 U	59 U	59 U	61 U	59 U
1 2-Dichlorobenzene	10,000,000	62 U	63 U	63 U	63 U	63 U	65 U	62 U
Benzyl alcohol	50,000	70 U	71 U	71 U	70 U	71 U	73 U	70 U
2 2-oxybis (1-chloropropane)	NS	52 U	53 U	53 U	53 U	53 U	54 U	52 U
n-Nitroso-di-n-propylamine	1,000	50 U	50 U	50 U	50 U	50 U	52 U	50 U
Hexachloroethane	100,000	65 U	66 U	66 U	66 U	66 U	68 U	65 U
4-Methylphenol	10,000,000	200 U	200 U	200 U	200 U	200 U	210 U	200 U
2-Chlorophenol	5,200,000	95 U	96 U	96 U	96 U	96 U	100 U	95 U
Nitrobenzene	520,000	44 U	45 U	45 U	45 U	45 U	46 U	44 U
Bis(2-chloroethoxy)methane	NS	63 U	64 U	64 U	64 U	64 U	66 U	63 U
1 2 4-Trichlorobenzene	100,000	62 U	63 U	63 U	63 U	63 U	65 U	62 U
Isophorone	10,000,000	67 U	67 U	67 U	67 U	67 U	70 U	66 U
2 4-Dimethylphenol	10,000,000	190 U	190 U	190 U	190 U	190 U	200 U	190 U
Hexachlorobutadiene	21,000	75 U	76 U	76 U	76 U	76 U	79 U	75 U
Naphthalene	4,200,000	63 U	64 U	120 J	97 J	220 J	110 J	140 J
2 4-Dichlorophenol	3,100,000	120 U	120 U	120 U	120 U	120 U	130 U	120 U
4-Chloroaniline	4,200,000	120 U	120 U	120 U	120 U	120 U	120 U	120 U
2 4 6-Trichlorophenol	270,000	94 U	95 U	95 U	95 U	95 U	98 U	94 U
2 4 5-Trichlorophenol	10,000,000	130 U	140 U	140 U	140 U	140 U	140 U	130 U
Hexachlorocyclopentadiene	7,300,000	280 U	280 U	280 U	280 U	280 U	290 U	270 U
2-Chloronaphthalene	NS	54 U	55 U	55 U	55 U	55 U	57 U	54 U
4-Chloro-3-methylphenol	10,000,000	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2 6-Dinitrotoluene	4,000	68 U	68 U	68 U	68 U	68 U	71 U	68 U
2-Nitrophenol	NS	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Dimethyl phthalate	10,000,000	57 U	57 U	430	57 U	57 U	59 U	57 U
2 4-Dinitrophenol	2,100,000	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Acenaphthylene	10,000,000	140 J	120 J	160 J	140 J	130 J	180 J	260 J

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-20(0-6)	B-21(0-6)	B-22(0-6)	B-23(0-6)	B-24(0-6)	B-24(6-12)	B-25(0-6)
Lab Sample ID	Acceptance	212603-014	212603-012	212603-010	212655-006	212655-008	212655-010	212603-016
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	1	1
Date Sampled		4/10/2006	4/10/2006	4/10/2006	4/13/2006	4/13/2006	4/13/2006	4/12/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound								
2 4-Dinitrotoluene	4,000	67 U	67 U	67 U	67 U	67 U	70 U	66 U
Acenaphthene	10,000,000	66 J	62 U	100 J	62 U	210 J	130 J	75 J
4-Nitrophenol	NS	160 U	160 U	160 U	160 U	160 U	160 U	160 U
Fluorene	10,000,000	65 J	52 J	110 J	48 U	190 J	150 J	57 J
1 2-Diphenylhydrazine	NS	37 U	37 U	37 U	37 U	37 U	38 U	37 U
4-Bromophenyl phenyl ether	NS	57 U	57 U	57 U	57 U	57 U	59 U	57 U
Hexachlorobenzene	100,000	54 U	55 U	55 U	55 U	55 U	57 U	54 U
Diethyl phthalate	10,000,000	54 U	55 U	55 U	55 U	55 U	57 U	54 U
4-Chlorophenyl phenyl ether	NS	51 U	52 U	52 U	51 U	52 U	53 U	51 U
Pentachlorophenol	24,000	320 U	320 U	320 U	320 U	320 U	330 U	320 U
n-Nitrosodiphenylamine	600,000	55 U	56 U	56 U	56 U	56 U	58 U	55 U
4 6-Dinitro-2-methylphenol	NS	270 U	270 U	270 U	270 U	270 U	280 U	260 U
Phenanthrene	NS	1100	780	1500	840	2500	1800	1200
Anthracene	10,000,000	230 J	180 J	390	210 J	550	430	340 J
Di-n-butyl phthalate	10,000,000	49 U	49 U	1100	49 U	190 J	51 U	470
Benzidine	NS	43 U	43 U	43 U	43 U	43 U	45 U	43 U
Fluoranthene	10,000,000	1500	1300	2300	1400	2900	1900	2300
Pyrene	10,000,000	1400	1200	2000	1200	2500	1700	1800
Butyl benzyl phthalate	10,000,000	48 U	48 U	810	48 U	48 U	50 U	48 U
Benzo(a)anthracene	13,000	910	810	1400	820	1600	980	1400
Chrysene	40,000	970	860	1600	920	1700	1100	1700
3 3-Dichlorobenzidine	6,000	99 U	100 U	100 U	100 U	100 U	100 U	99 U
Bis(2-ethylhexyl)phthalate	210,000	49 U	49 U	1000	96 J	56 J	51 U	59 J
Di-n-octyl phthalate	10,000,000	39 U	39 U	39 U	39 U	39 U	41 U	39 U
Benzo(b)fluoranthene	14,000	670	730	1400	710	1300	730	1300
Benzo(k)fluoranthene	6,000	690	570	1000 H	590	1200	690	1200 H
Benzo(a)pyrene	8,000	840	810	1400	720	1400	860	1300
Indeno(1 2 3-cd)pyrene	4,000	460	460	840	370	750	610	720
Dibenzo(a h)anthracene	1,000	180 J	170 J	320 J	160 J	290 J	200 J	270 J
Benzo(ghi)perylene	NS	490	550	900	410	810	720	780
<b>Total SVOCs</b>		9711	8592	18880	8683	18496	12290	15371

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-25(6-12)	B-25(12-18)	B-26(6-20)	B-26(20-26)	B-27(0-10)	B-27(10-20)
Lab Sample ID	Acceptance	212603-018	212603-020	212481-003	212481-004	212429-016	212429-018
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	1
Date Sampled		4/12/2006	4/12/2006	3/28/2006	3/28/2006	3/23/2006	3/23/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
n-Nitrosodimethylamine	NS	55 U	51 U	57 U	55 U	55 U	58 U
Phenol	10,000,000	110 U	100 U	110 U	110 U	110 U	110 U
Bis(2-chloroethyl)ether	3,000	51 U	47 U	52 U	51 U	50 U	53 U
1 3-Dichlorobenzene	10,000,000	58 U	53 U	59 U	58 U	57 U	60 U
1 4-Dichlorobenzene	10,000,000	60 U	56 U	62 U	60 U	59 U	62 U
1 2-Dichlorobenzene	10,000,000	63 U	59 U	65 U	63 U	62 U	66 U
Benzyl alcohol	50,000	71 U	66 U	73 U*	71 U*	70 U	74 U
2 2-oxybis (1-chloropropane)	NS	53 U	49 U	55 U	53 U	52 U	55 U
n-Nitroso-di-n-propylamine	1,000	51 U	47 U	52 U	51 U	50 U	53 U
Hexachloroethane	100,000	67 U	62 U	69 U	67 U	66 U	70 U
4-Methylphenol	10,000,000	200 U	190 U	210 U	200 U	200 U	210 U
2-Chlorophenol	5,200,000	97 U	90 U	100 U	97 U	96 U	100 U
Nitrobenzene	520,000	45 U	42 U	46 U	45 U	45 U	47 U
Bis(2-chloroethoxy)methane	NS	64 U	60 U	66 U	64 U	64 U	67 U
1 2 4-Trichlorobenzene	100,000	63 U	59 U	65 U	63 U	62 U	66 U
Isophorone	10,000,000	68 U	63 U	70 U	68 U	67 U	71 U
2 4-Dimethylphenol	10,000,000	190 U	180 U	200 U	190 U	190 U	200 U
Hexachlorobutadiene	21,000	77 U	71 U	79 U	77 U	76 U	80 U
Naphthalene	4,200,000	100 J	60 U	66 U	64 U	1000	67 U
2 4-Dichlorophenol	3,100,000	120 U	110 U	130 U	120 U	120 U	130 U
4-Chloroaniline	4,200,000	120 U	110 U	120 U	120 U	120 U	130 U
2 4 6-Trichlorophenol	270,000	96 U	89 U	99 U	96 U	95 U	100 U
2 4 5-Trichlorophenol	10,000,000	140 U	130 U	140 U	140 U	130 U	140 U
Hexachlorocyclopentadiene	7,300,000	280 U	260 U	290 U	280 U	280 U	290 U
2-Chloronaphthalene	NS	55 U	51 U	57 U	55 U	55 U	58 U
4-Chloro-3-methylphenol	10,000,000	130 U	120 U	130 U	130 U	130 U	130 U
2 6-Dinitrotoluene	4,000	69 U	64 U	71 U	69 U	68 U	72 U
2-Nitrophenol	NS	130 U	120 U	130 U	130 U	130 U	140 U
Dimethyl phthalate	10,000,000	58 U	53 U	59 U	58 U	57 U	60 U
2 4-Dinitrophenol	2,100,000	130 U	120 U	130 U*	130 U*	130 U	140 U
Acenaphthylene	10,000,000	120 J	43 U	48 U	46 U	1700	69 J

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-25(6-12)	B-25(12-18)	B-26(6-20)	B-26(20-26)	B-27(0-10)	B-27(10-20)
Lab Sample ID	Acceptance	212603-018	212603-020	212481-003	212481-004	212429-016	212429-018
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	1
Date Sampled		4/12/2006	4/12/2006	3/28/2006	3/28/2006	3/23/2006	3/23/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
2 4-Dinitrotoluene	4,000	68 U	63 U	70 U	68 U	67 U	71 U
Acenaphthene	10,000,000	130 J	58 U	64 U	62 U	95 J	65 U
4-Nitrophenol	NS	160 U	150 U	160 U	160 U	160 U	170 U
Fluorene	10,000,000	110 J	45 U	50 U	49 U	190 J	51 U
1 2-Diphenylhydrazine	NS	37 U	35 U	38 U	37 U	37 U	39 U
4-Bromophenyl phenyl ether	NS	58 U	53 U	59 U	58 U	57 U	60 U
Hexachlorobenzene	100,000	55 U	51 U	57 U	55 U	55 U	58 U
Diethyl phthalate	10,000,000	55 U	51 U	57 U	55 U	55 U	58 U
4-Chlorophenyl phenyl ether	NS	52 U	48 U	53 U	52 U	51 U	54 U
Pentachlorophenol	24,000	330 U	300 U	330 U	330 U	320 U	340 U
n-Nitrosodiphenylamine	600,000	57 U	52 U	58 U	56 U	56 U	59 U
4 6-Dinitro-2-methylphenol	NS	270 U	250 U	280 U	270 U	270 U	280 U
Phenanthrene	NS	1500	320 J	130 J	44 U	1100	240 J
Anthracene	10,000,000	290 J	58 U	64 U	62 U	390	67 J
Di-n-butyl phthalate	10,000,000	50 U	46 U	51 U	50 U	880	52 U
Benzidine	NS	44 U	40 U	45 U	43 U	43 U	45 U
Fluoranthene	10,000,000	1900	300 J	120 J	47 U	1600	470
Pyrene	10,000,000	1400	320 J	150 J	52 U	1000	200 J
Butyl benzyl phthalate	10,000,000	82 J	45 U	50 U	49 U	48 U	51 U
Benzo(a)anthracene	13,000	940	130 J	70 J	51 U	860	200 J
Chrysene	40,000	990	150 J	65 J	47 U	1300	210 J
3 3-Dichlorobenzidine	6,000	100 U	93 U	100 U	100 U	99 U	100 U
Bis(2-ethylhexyl)phthalate	210,000	50 U	46 U	51 U	50 U	150 J	52 U
Di-n-octyl phthalate	10,000,000	40 U	37 U	41 U	40 U	54 J	41 U
Benzo(b)fluoranthene	14,000	940	170 J	110 U	110 U	1500 M	250 J
Benzo(k)fluoranthene	6,000	690	65 J	43 U	42 U	560 M	44 U
Benzo(a)pyrene	8,000	880	130 J	50 J	46 U	1100	150 J
Indeno(1 2 3-cd)pyrene	4,000	500	100 J	39 U	38 U	760	78 J
Dibenzo(a h)anthracene	1,000	180 J	39 U	43 U	42 U	220 J	44 U
Benzo(ghi)perylene	NS	520	93 J	55 J	42 U	710	69 J
<b>Total SVOCs</b>		11272	1778	843	201	15169	2003

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-27(20-30)	B-28(0-15)	B-28(15-30)	B-29(6-16)	B-29(16-24)	B-30(0-10)
Lab Sample ID	Acceptance	212429-020	212429-004	212429-001	212481-011	212481-013	212454-002
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	1
Date Sampled		3/23/2006	3/22/2006	3/22/2006	3/28/2006	3/28/2006	3/24/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
n-Nitrosodimethylamine	NS	58 U	56 U	55 U	58 U	61 U	110 U
Phenol	10,000,000	110 U	110 U	110 U	120 U	120 U	210 U
Bis(2-chloroethyl)ether	3,000	53 U	51 U	51 U	53 U	56 U	97 U
1 3-Dichlorobenzene	10,000,000	60 U	58 U	57 U	61 U	63 U	110 U
1 4-Dichlorobenzene	10,000,000	62 U	60 U	60 U	63 U	66 U	110 U
1 2-Dichlorobenzene	10,000,000	66 U	63 U	63 U	67 U	69 U	120 U
Benzyl alcohol	50,000	74 U	71 U	71 U	75 U*	78 U*	140 U
2 2-oxybis (1-chloropropane)	NS	55 U	53 U	53 U	56 U	58 U	100 U
n-Nitroso-di-n-propylamine	1,000	53 U	51 U	51 U	53 U	56 U	97 U
Hexachloroethane	100,000	69 U	67 U	66 U	70 U	73 U	130 U
4-Methylphenol	10,000,000	210 U	200 U	200 U	210 U	220 U	390 U
2-Chlorophenol	5,200,000	100 U	98 U	97 U	100 U	110 U	190 U
Nitrobenzene	520,000	47 U	45 U	45 U	48 U	50 U	86 U
Bis(2-chloroethoxy)methane	NS	67 U	65 U	64 U	68 U	71 U	120 U
1 2 4-Trichlorobenzene	100,000	66 U	63 U	63 U	67 U	69 U	120 U
Isophorone	10,000,000	71 U	68 U	68 U	71 U	74 U	130 U
2 4-Dimethylphenol	10,000,000	200 U	200 U	190 U	200 U	210 U	370 U
Hexachlorobutadiene	21,000	80 U	77 U	77 U	81 U	84 U	150 U
Naphthalene	4,200,000	67 U	65 U	64 U	68 U	71 U	300 J
2 4-Dichlorophenol	3,100,000	130 U	120 U	120 U	130 U	140 U	240 U
4-Chloroaniline	4,200,000	130 U	120 U	120 U	130 U	130 U	230 U
2 4 6-Trichlorophenol	270,000	100 U	96 U	96 U	100 U	110 U	180 U
2 4 5-Trichlorophenol	10,000,000	140 U	140 U	140 U	140 U	150 U	260 U
Hexachlorocyclopentadiene	7,300,000	290 U	280 U	280 U	290 U	310 U	540 U
2-Chloronaphthalene	NS	58 U	56 U	55 U	58 U	61 U	110 U
4-Chloro-3-methylphenol	10,000,000	130 U	130 U	130 U	130 U	140 U	240 U
2 6-Dinitrotoluene	4,000	72 U	69 U	69 U	72 U	76 U	130 U
2-Nitrophenol	NS	140 U	130 U	130 U	140 U	140 U	250 U
Dimethyl phthalate	10,000,000	60 U	58 U	57 U	61 U	63 U	110 U
2 4-Dinitrophenol	2,100,000	140 U	130 U	130 U	140 U*	140 U*	250 U
Acenaphthylene	10,000,000	48 U	46 U	46 U	52 J	51 U	320 J

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-27(20-30)	B-28(0-15)	B-28(15-30)	B-29(6-16)	B-29(16-24)	B-30(0-10)
Lab Sample ID	Acceptance	212429-020	212429-004	212429-001	212481-011	212481-013	212454-002
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	1
Date Sampled		3/23/2006	3/23/2006	3/22/2006	3/28/2006	3/28/2006	3/24/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
2 4-Dinitrotoluene	4,000	71 U	68 U	68 U	71 U	74 U	130 U
Acenaphthene	10,000,000	65 U	62 U	62 U	65 U	68 U	360 J
4-Nitrophenol	NS	170 U	160 U	160 U	170 U	180 U	310 U
Fluorene	10,000,000	51 U	57 JH	48 U	51 U	53 U	410 J
1 2-Diphenylhydrazine	NS	39 U	37 U	37 U	39 U	41 U	71 U
4-Bromophenyl phenyl ether	NS	60 U	58 U	57 U	61 U	63 U	110 U
Hexachlorobenzene	100,000	58 U	56 U	55 U	58 U	61 U	110 U
Diethyl phthalate	10,000,000	77 J	56 U	55 U	58 U	61 U	110 U
4-Chlorophenyl phenyl ether	NS	54 U	52 U	52 U	55 U	57 U	99 U
Pentachlorophenol	24,000	340 U	330 U	320 U	340 U	360 U	620 U
n-Nitrosodiphenylamine	600,000	59 U	57 U	56 U	59 U	62 U	110 U
4 6-Dinitro-2-methylphenol	NS	280 U	270 U	270 U	280 U	300 U	520 U
Phenanthrene	NS	46 U	650	44 U	600 H	48 U	4700
Anthracene	10,000,000	65 U	130 J	62 U	140 J	68 U	810
Di-n-butyl phthalate	10,000,000	52 U	50 U	50 U	52 U	55 U	98 J
Benzidine	NS	45 U	44 U	43 U	46 U	48 U	83 U
Fluoranthene	10,000,000	49 U	780	48 J	1300	52 U	4500
Pyrene	10,000,000	54 U	830	52 U	2000	57 U	4600
Butyl benzyl phthalate	10,000,000	51 U	49 U	48 U	51 U	53 U	93 U
Benzo(a)anthracene	13,000	53 U	400	51 U	1100	56 U	2200
Chrysene	40,000	49 U	470	47 U	1300	52 U	2500
3 3-Dichlorobenzidine	6,000	100 U	100 U	100 U	110 U	110 U	190 U
Bis(2-ethylhexyl)phthalate	210,000	52 U	50 U	50 U	52 U	55 U	95 U
Di-n-octyl phthalate	10,000,000	41 U	40 U	39 U	42 U	43 U	76 U
Benzo(b)fluoranthene	14,000	110 U	380	100 U	1000 M	120 U	2000
Benzo(k)fluoranthene	6,000	44 U	170 J	42 U	440 M	46 U	660 J
Benzo(a)pyrene	8,000	48 U	330 J	46 U	1000	51 U	1700
Indeno(1 2 3-cd)pyrene	4,000	40 U	220 J	38 U	570	42 U	1400
Dibenzo(a h)anthracene	1,000	44 U	47 J	42 U	190 J	46 U	370 J
Benzo(ghi)perylene	NS	44 U	240 J	42 U	620	46 U	1300
<b>Total SVOCs</b>		77	4704	48	10527	218	28228



**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-30(10-18)	B-31(0-16)	B-31(16-25)	B-32(0-14)	B-32(14-20)	B-32(20-30)
Lab Sample ID	Acceptance	212454-004	212429-006	212429-008	212429-010	212429-012	212429-016
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	1
Date Sampled		3/24/2006	3/22/2006	3/22/2006	3/23/2006	3/23/2006	3/23/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
n-Nitrosodimethylamine	NS	59 U	54 U	58 U	55 U	56 U	59 U
Phenol	10,000,000	120 U	110 U	120 U	110 U	110 U	120 U
Bis(2-chloroethyl)ether	3,000	55 U	50 U	54 U	50 U	52 U	54 U
1 3-Dichlorobenzene	10,000,000	62 U	56 U	61 U	57 U	59 U	61 U
1 4-Dichlorobenzene	10,000,000	64 U	58 U	63 U	59 U	61 U	64 U
1 2-Dichlorobenzene	10,000,000	68 U	62 U	67 U	63 U	64 U	67 U
Benzyl alcohol	50,000	76 U	69 U	75 U	70 U	72 U	76 U
2 2-oxybis (1-chloropropane)	NS	57 U	52 U	56 U	53 U	54 U	56 U
n-Nitroso-di-n-propylamine	1,000	55 U	50 U	54 U	50 U	52 U	54 U
Hexachloroethane	100,000	72 U	65 U	70 U	66 U	68 U	71 U
4-Methylphenol	10,000,000	220 U	200 U	210 U	200 U	210 U	210 U
2-Chlorophenol	5,200,000	100 U	95 U	100 U	96 U	99 U	100 U
Nitrobenzene	520,000	49 U	44 U	48 U	45 U	46 U	48 U
Bis(2-chloroethoxy)methane	NS	69 U	63 U	68 U	64 U	66 U	68 U
1 2 4-Trichlorobenzene	100,000	68 U	62 U	67 U	63 U	64 U	67 U
Isophorone	10,000,000	73 U	66 U	71 U	67 U	69 U	72 U
2 4-Dimethylphenol	10,000,000	210 U	190 U	200 U	190 U	200 U	210 U
Hexachlorobutadiene	21,000	83 U	75 U	81 U	76 U	78 U	82 U
Naphthalene	4,200,000	69 U	63 U	68 U	64 U	66 U	68 U
2 4-Dichlorophenol	3,100,000	130 U	120 U	130 U	120 U	130 U	130 U
4-Chloroaniline	4,200,000	130 U	120 U	130 U	120 U	120 U	130 U
2 4 6-Trichlorophenol	270,000	100 U	94 U	100 U	95 U	98 U	100 U
2 4 5-Trichlorophenol	10,000,000	150 U	130 U	140 U	140 U	140 U	150 U
Hexachlorocyclopentadiene	7,300,000	300 U	270 U	300 U	280 U	290 U	300 U
2-Chloronaphthalene	NS	59 U	54 U	58 U	55 U	56 U	59 U
4-Chloro-3-methylphenol	10,000,000	140 U	120 U	130 U	130 U	130 U	140 U
2 6-Dinitrotoluene	4,000	74 U	67 U	73 U	68 U	70 U	73 U
2-Nitrophenol	NS	140 U	130 U	140 U	130 U	130 U	140 U
Dimethyl phthalate	10,000,000	62 U	56 U	61 U	57 U	59 U	61 U
2 4-Dinitrophenol	2,100,000	140 U	130 U	140 U	130 U	130 U	140 U
Acenaphthylene	10,000,000	52 J	45 U	49 U	67 J	47 U	49 U

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-30(10-18)	B-31(0-16)	B-31(16-25)	B-32(0-14)	B-32(14-20)	B-32(20-30)
Lab Sample ID	Acceptance	212454-004	212429-006	212429-008	212429-010	212429-012	212429-016
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	1
Date Sampled		3/24/2006	3/22/2006	3/22/2006	3/23/2006	3/23/2006	3/23/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
2 4-Dinitrotoluene	4,000	73 U	66 U	71 U	67 U	69 U	72 U
Acenaphthene	10,000,000	67 U	61 U	65 U	61 U	63 U	66 U
4-Nitrophenol	NS	170 U	160 U	170 U	160 U	160 U	170 U
Fluorene	10,000,000	52 U	47 U	51 U	64 J	49 U	52 U
1 2-Diphenylhydrazine	NS	40 U	36 U	39 U	37 U	38 U	40 U
4-Bromophenyl phenyl ether	NS	62 U	56 U	61 U	57 U	59 U	61 U
Hexachlorobenzene	100,000	59 U	54 U	58 U	55 U	56 U	59 U
Diethyl phthalate	10,000,000	59 U	54 U	58 U	55 U	56 U	59 U
4-Chlorophenyl phenyl ether	NS	56 U	51 U	55 U	51 U	53 U	55 U
Pentachlorophenol	24,000	350 U	320 U	340 U	320 U	330 U	350 U
n-Nitrosodiphenylamine	600,000	61 U	55 U	60 U	56 U	58 U	60 U
4 6-Dinitro-2-methylphenol	NS	290 U	260 U	280 U	270 U	270 U	290 U
Phenanthrene	NS	310 J	220 J	46 U	1100	120 J	47 U
Anthracene	10,000,000	78 J	61 U	65 U	170 J	63 U	66 U
Di-n-butyl phthalate	10,000,000	53 U	67 J	52 U	49 U	51 U	53 U
Benzidine	NS	47 U	42 U	46 U	43 U	44 U	46 U
Fluoranthene	10,000,000	530	290 J	50 U	1200	150 J	50 U
Pyrene	10,000,000	630	280 J	55 U	1100	120 J	55 U
Butyl benzyl phthalate	10,000,000	52 U	47 U	51 U	48 U	49 U	52 U
Benzo(a)anthracene	13,000	350 J	140 J	54 U	550	68 J	54 U
Chrysene	40,000	360 J	170 J	50 U	590	62 J	50 U
3 3-Dichlorobenzidine	6,000	110 U	98 U	110 U	99 U	100 U	110 U
Bis(2-ethylhexyl)phthalate	210,000	53 U	48 U	52 U	49 U	51 U	53 U
Di-n-octyl phthalate	10,000,000	42 U	39 U	42 U	39 U	40 U	42 U
Benzo(b)fluoranthene	14,000	320 J	170 J	110 U	580	110 U	110 U
Benzo(k)fluoranthene	6,000	130 J	64 J	44 U	230 J	43 U	44 U
Benzo(a)pyrene	8,000	320 J	130 J	49 U	470	50 J	49 U
Indeno(1 2 3-cd)pyrene	4,000	300 J	130 J	40 U	300 J	39 U	41 U
Dibenzo(a h)anthracene	1,000	76 J	41 U	44 U	66 J	43 U	44 U
Benzo(ghi)perylene	NS	270 J	150 J	44 U	320 J	43 U	44 U
<b>Total SVOCs</b>		3726	1811	0	6807	570	0

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-33(0-12)	B-33(12-14)**	B-34(0-10)	B-34(10-24)	B-35(0-10)	B-35(10-20)
Lab Sample ID	Acceptance	212481-015	212481-017	212454-007	212454-009	212454-011	212454-013
Dilution	Criteria <sup>1</sup>	2	1	2	1	1	2
Date Sampled		3/29/2006	3/29/2006	3/24/2006	3/24/2006	3/24/2006	3/24/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
n-Nitrosodimethylamine	NS	110 U	57 U	120 U	57 U	110 U	110 U
Phenol	10,000,000	210 U	110 U	240 U	110 U	230 U	220 U
Bis(2-chloroethyl)ether	3,000	99 U	52 U	110 U	52 U	110 U	100 U
1 3-Dichlorobenzene	10,000,000	110 U	59 U	120 U	59 U	120 U	120 U
1 4-Dichlorobenzene	10,000,000	120 U	61 U	130 U	62 U	120 U	120 U
1 2-Dichlorobenzene	10,000,000	120 U	65 U	140 U	65 U	130 U	130 U
Benzyl alcohol	50,000	140 U*	73 U	150 U	73 U	150 U	150 U
2 2-oxybis (1-chloropropane)	NS	100 U	54 U	110 U	55 U	110 U	110 U
n-Nitroso-di-n-propylamine	1,000	99 U	52 U	110 U	52 U	110 U	100 U
Hexachloroethane	100,000	130 U	68 U	140 U	69 U	140 U	140 U
4-Methylphenol	10,000,000	390 U	210 U	440 U	210 U	420 U	420 U
2-Chlorophenol	5,200,000	190 U	100 U	210 U	100 U	200 U	200 U
Nitrobenzene	520,000	88 U	46 U	98 U	46 U	93 U	93 U
Bis(2-chloroethoxy)methane	NS	120 U	66 U	140 U	66 U	130 U	130 U
1 2 4-Trichlorobenzene	100,000	120 U	65 U	140 U	65 U	130 U	130 U
Isophorone	10,000,000	130 U	69 U	150 U	70 U	140 U	140 U
2 4-Dimethylphenol	10,000,000	380 U	200 U	420 U	200 U	400 U	400 U
Hexachlorobutadiene	21,000	150 U	79 U	170 U	79 U	160 U	160 U
Naphthalene	4,200,000	170 J	66 U	250 J	150 J	270 J	590 J
2 4-Dichlorophenol	3,100,000	240 U	130 U	270 U	130 U	250 U	250 U
4-Chloroaniline	4,200,000	230 U	120 U	260 U	120 U	250 U	250 U
2 4 6-Trichlorophenol	270,000	190 U	98 U	210 U	99 U	200 U	200 U
2 4 5-Trichlorophenol	10,000,000	270 U	140 U	300 U	140 U	280 U	280 U
Hexachlorocyclopentadiene	7,300,000	540 U	290 U	610 U	290 U	580 U	580 U
2-Chloronaphthalene	NS	110 U	57 U	120 U	57 U	110 U	110 U
4-Chloro-3-methylphenol	10,000,000	250 U	130 U	280 U	130 U	260 U	260 U
2 6-Dinitrotoluene	4,000	130 U	71 U	150 U	71 U	140 U	140 U
2-Nitrophenol	NS	250 U	130 U	280 U	130 U	270 U	270 U
Dimethyl phthalate	10,000,000	110 U	59 U	120 U	59 U	120 U	120 U
2 4-Dinitrophenol	2,100,000	250 U*	130 U	280 U	130 U	270 U	270 U
Acenaphthylene	10,000,000	1100	47 U	1,000	590	440 J	690 J

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-33(0-12)	B-33(12-14)**	B-34(0-10)	B-34(10-24)	B-35(0-10)	B-35(10-20)
Lab Sample ID	Acceptance	212481-015	212481-017	212454-007	212454-009	212454-011	212454-013
Dilution	Criteria <sup>1</sup>	2	1	2	1	1	2
Date Sampled		3/29/2006	3/29/2006	3/24/2006	3/24/2006	3/24/2006	3/24/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
2 4-Dinitrotoluene	4,000	130 U	69 U	150 U	70 U	140 U	140 U
Acenaphthene	10,000,000	220 J	64 U	340 J	64 U	210 J	330 J
4-Nitrophenol	NS	310 U	160 U	350 U	160 U	330 U	330 U
Fluorene	10,000,000	560 J	50 U	320 J	97 J	200 J	620 J
1 2-Diphenylhydrazine	NS	72 U	38 U	81 U	38 U	77 U	77 U
4-Bromophenyl phenyl ether	NS	110 U	59 U	120 U	59 U	120 U	120 U
Hexachlorobenzene	100,000	110 U	57 U	120 U	57 U	110 U	110 U
Diethyl phthalate	10,000,000	110 U	57 U	120 U	57 U	110 U	110 U
4-Chlorophenyl phenyl ether	NS	100 U	53 U	110 U	53 U	110 U	110 U
Pentachlorophenol	24,000	630 U	330 U	700 U	330 U	670 U	670 U
n-Nitrosodiphenylamine	600,000	110 U	58 U	120 U	58 U	120 U	120 U
4 6-Dinitro-2-methylphenol	NS	520 U	280 U	580 U	280 U	560 U	550 U
Phenanthrene	NS	6400	45 U	4,600	1,500	2,800	8,400
Anthracene	10,000,000	1200	64 U	1,200	600	570 J	930
Di-n-butyl phthalate	10,000,000	96 U	51 U	110 U	51 U	100 U	100 U
Benzidine	NS	84 U	45 U	94 U	45 U	90 U	89 U
Fluoranthene	10,000,000	8800	49 U	6,700	5,300	3,700	7,800
Pyrene	10,000,000	8500	53 U	4,300	4,400	3,100	6,600
Butyl benzyl phthalate	10,000,000	94 U	50 U	320 J	50 U	220 J	100 U
Benzo(a)anthracene	13,000	4100	52 U	2,900	3,500	2,000	3,000
Chrysene	40,000	4100	49 U	3,200	3,200	2,300	3,700
3 3-Dichlorobenzidine	6,000	200 U	100 U	220 U	100 U	210 U	210 U
Bis(2-ethylhexyl)phthalate	210,000	96 U	51 U	120 J	51 U	140 J	100 U
Di-n-octyl phthalate	10,000,000	77 U	41 U	86 U	41 U	82 U	81 U
Benzo(b)fluoranthene	14,000	4100 M	110 U	3,800	3,500	2,400	3,400
Benzo(k)fluoranthene	6,000	1600 M	43 U	1,600	1,400	930	1,100
Benzo(a)pyrene	8,000	3200	47 U	3,200	3,300	2,000	2,900
Indeno(1 2 3-cd)pyrene	4,000	3600	39 U	2,200	1,800	1,500	1,800
Dibenzo(a h)anthracene	1,000	640 JM	43 U	530 J	480	370 J	440 J
Benzo(ghi)perylene	NS	3500	43 U	2,000	1,500	1,400	1,500
<b>Total SVOCs</b>		52180	0	38580	31317	24550	43800

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-35(20-28)	B-36(0-10)	B-36(10-18)	B-36(18-30)	B-37(0-12)	B-37(12-24)
Lab Sample ID	Acceptance	212454-015	212454-017	212454-019	212481-001	212481-019	212499-001
Dilution	Criteria <sup>1</sup>	1	5	1	1	1	1
Date Sampled		3/24/2006	3/27/2006	3/27/2006	3/27/2006	3/29/2006	3/29/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
n-Nitrosodimethylamine	NS	58 U	540 U	55 U	58 U	53 U	55 U
Phenol	10,000,000	110 U	1,100 U	110 U	120 U	110 U	110 U
Bis(2-chloroethyl)ether	3,000	53 U	500 U	51 U	54 U	49 U	51 U
1 3-Dichlorobenzene	10,000,000	60 U	560 U	58 U	61 U	56 U	58 U
1 4-Dichlorobenzene	10,000,000	63 U	580 U	60 U	63 U	58 U	60 U
1 2-Dichlorobenzene	10,000,000	66 U	620 U	63 U	67 U	61 U	63 U
Benzyl alcohol	50,000	74 U	690 U	71 U	75 U*	69 U	71 U
2 2-oxybis (1-chloropropane)	NS	55 U	520 U	53 U	56 U	51 U	53 U
n-Nitroso-di-n-propylamine	1,000	53 U	500 U	51 U	54 U	49 U	51 U
Hexachloroethane	100,000	70 U	650 U	67 U	70 U	64 U	67 U
4-Methylphenol	10,000,000	210 U	2,000 U	200 U	210 U	200 U	200 U
2-Chlorophenol	5,200,000	100 U	950 U	97 U	100 U	94 U	97 U
Nitrobenzene	520,000	47 U	440 U	45 U	48 U	44 U	45 U
Bis(2-chloroethoxy)methane	NS	67 U	630 U	64 U	68 U	62 U	65 U
1 2 4-Trichlorobenzene	100,000	66 U	620 U	63 U	67 U	61 U	63 U
Isophorone	10,000,000	71 U	660 U	68 U	72 U	65 U	68 U
2 4-Dimethylphenol	10,000,000	200 U	1,900 U	190 U	210 U	190 U	190 U
Hexachlorobutadiene	21,000	80 U	750 U	77 U	81 U	74 U	77 U
Naphthalene	4,200,000	94 J	2,900 J	64 U	72 J	62 U	65 U
2 4-Dichlorophenol	3,100,000	130 U	1,200 U	120 U	130 U	120 U	120 U
4-Chloroaniline	4,200,000	130 U	1,200 U	120 U	130 U	120 U	120 U
2 4 6-Trichlorophenol	270,000	100 U	940 U	96 U	100 U	93 U	96 U
2 4 5-Trichlorophenol	10,000,000	140 U	1,300 U	140 U	140 U	130 U	140 U
Hexachlorocyclopentadiene	7,300,000	290 U	2,700 U	280 U	300 U	270 U	280 U
2-Chloronaphthalene	NS	58 U	540 U	55 U	58 U	53 U	55 U
4-Chloro-3-methylphenol	10,000,000	130 U	1,200 U	130 U	130 U	120 U	130 U
2 6-Dinitrotoluene	4,000	72 U	670 U	69 U	73 U	67 U	69 U
2-Nitrophenol	NS	140 U	1,300 U	130 U	140 U	130 U	130 U
Dimethyl phthalate	10,000,000	60 U	560 U	58 U	61 U	56 U	58 U
2 4-Dinitrophenol	2,100,000	140 U	1,300 U	130 U	140 U*	130 U	130 U
Acenaphthylene	10,000,000	48 U	800 J	46 U	49 U	110 J	46 U

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-35(20-28)	B-36(0-10)	B-36(10-18)	B-36(18-30)	B-37(0-12)	B-37(12-24)
Lab Sample ID	Acceptance	212454-015	212454-017	212454-019	212481-001	212481-019	212499-001
Dilution	Criteria <sup>1</sup>	1	5	1	1	1	1
Date Sampled		3/24/2006	3/27/2006	3/27/2006	3/27/2006	3/29/2006	3/29/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
2 4-Dinitrotoluene	4,000	71 U	660 U	68 U	72 U	65 U	68 U
Acenaphthene	10,000,000	65 U	2,100 J	62 U	66 U	60 U	62 U
4-Nitrophenol	NS	170 U	1,600 U	160 U	170 U	150 U	160 U
Fluorene	10,000,000	78 J	3,100 J	49 U	51 U	47 U	49 U
1 2-Diphenylhydrazine	NS	39 U	360 U	37 U	39 U	36 U	37 U
4-Bromophenyl phenyl ether	NS	60 U	560 U	58 U	61 U	56 U	58 U
Hexachlorobenzene	100,000	58 U	540 U	55 U	58 U	53 U	55 U
Diethyl phthalate	10,000,000	58 U	540 U	55 U	58 U	53 U	55 U
4-Chlorophenyl phenyl ether	NS	54 U	510 U	52 U	55 U	50 U	52 U
Pentachlorophenol	24,000	340 U	3,200 U	330 U	340 U	310 U	330 U
n-Nitrosodiphenylamine	600,000	59 U	550 U	56 U	60 U	55 U	57 U
4 6-Dinitro-2-methylphenol	NS	280 U	2,600 U	270 U	280 U	260 U	270 U
Phenanthrene	NS	700	20,000	44 U	230 J	410	44 U
Anthracene	10,000,000	100 J	4,700	62 U	66 U	140 J	62 U
Di-n-butyl phthalate	10,000,000	52 U	1,100 J	50 U	150 J	48 U	50 U
Benzidine	NS	45 U	420 U	43 U	46 U	42 U	44 U
Fluoranthene	10,000,000	510	16,000	47 U	290 J	1300	48 U
Pyrene	10,000,000	580	12,000	52 U	310 J	840	52 U
Butyl benzyl phthalate	10,000,000	51 U	1,000 J	49 U	310 J	170 J	49 U
Benzo(a)anthracene	13,000	250 J	7,100	51 U	140 J	780	51 U
Chrysene	40,000	250 J	7,100	47 U	180 J	780	48 U
3 3-Dichlorobenzidine	6,000	110 U	980 U	100 U	110 U	97 U	100 U
Bis(2-ethylhexyl)phthalate	210,000	52 U	1,100 J	50 U	140 J	120 J	50 U
Di-n-octyl phthalate	10,000,000	41 U	390 U	40 U	42 U	38 U	40 U
Benzo(b)fluoranthene	14,000	200 J	6,300	110 U	140 JM	880 M	110 U
Benzo(k)fluoranthene	6,000	72 JM	2,200 J	42 U	54 JM	350 JM	42 U
Benzo(a)pyrene	8,000	180 J	5,700	46 U	130 J	630	46 U
Indeno(1 2 3-cd)pyrene	4,000	170 J	3,800	38 U	120 J	340 JH	38 U
Dibenzo(a h)anthracene	1,000	44 U	1,000 J	42 U	45 J	86 JM	42 U
Benzo(ghi)perylene	NS	160 J	3,200 J	42 U	140 J	440 H	42 U
<b>Total SVOCs</b>		3344	101200	0	2666	7376	0

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-38(0-10)	B-38(10-18)	B-39(0-12)	DUPLICATE	B-39(12-24)	B-40(0-10)	B-40(10-20)
Lab Sample ID	Acceptance	212481-007	212481-009	212571-013	212571-014	212655-012	212499-012	212499-014
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	2	1
Date Sampled		3/27/2006	3/27/2006	4/5/2006	4/5/2006	4/13/2006	3/30/2006	3/30/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound								
n-Nitrosodimethylamine	NS	98 U	56 U	56 U	55 U	58 U	100 U	57 U
Phenol	10,000,000	190 U	110 U	110 U	110 U	120 U	210 U	110 U
Bis(2-chloroethyl)ether	3,000	90 U	51 U	52 U	51 U	54 U	96 U	52 U
1 3-Dichlorobenzene	10,000,000	100 U	58 U	58 U	58 U	61 U	110 U	59 U
1 4-Dichlorobenzene	10,000,000	110 U	60 U	61 U	60 U	63 U	110 U	61 U
1 2-Dichlorobenzene	10,000,000	110 U	64 U	64 U	63 U	67 U	120 U	65 U
Benzyl alcohol	50,000	130 U*	72 U*	72 U	71 U	75 U	130 U	73 U
2 2-oxybis (1-chloropropane)	NS	94 U	53 U	54 U	53 U	56 U	100 U	54 U
n-Nitroso-di-n-propylamine	1,000	90 U	51 U	52 U	51 U	54 U	96 U	52 U
Hexachloroethane	100,000	120 U	67 U	68 U	67 U	70 U	130 U	68 U
4-Methylphenol	10,000,000	360 U	200 U	210 U	200 U	210 U	380 U	210 U
2-Chlorophenol	5,200,000	170 U	98 U	99 U	97 U	100 U	180 U	99 U
Nitrobenzene	520,000	80 U	46 U	46 U	45 U	48 U	85 U	46 U
Bis(2-chloroethoxy)methane	NS	110 U	65 U	65 U	64 U	68 U	120 U	66 U
1 2 4-Trichlorobenzene	100,000	110 U	64 U	64 U	63 U	67 U	120 U	65 U
Isophorone	10,000,000	120 U	68 U	69 U	68 U	71 U	130 U	69 U
2 4-Dimethylphenol	10,000,000	340 U	200 U	200 U	190 U	200 U	370 U	200 U
Hexachlorobutadiene	21,000	140 U	77 U	78 U	77 U	81 U	140 U	79 U
Naphthalene	4,200,000	110 U	65 U	90 J	140 J	68 U	410 J	130 J
2 4-Dichlorophenol	3,100,000	220 U	120 U	120 U	120 U	130 U	230 U	130 U
4-Chloroaniline	4,200,000	210 U	120 U	120 U	120 U	130 U	230 U	120 U
2 4 6-Trichlorophenol	270,000	170 U	97 U	97 U	96 U	100 U	180 U	98 U
2 4 5-Trichlorophenol	10,000,000	240 U	140 U	140 U	140 U	140 U	260 U	140 U
Hexachlorocyclopentadiene	7,300,000	490 U	280 U	280 U	280 U	300 U	530 U	290 U
2-Chloronaphthalene	NS	98 U	56 U	56 U	55 U	58 U	100 U	57 U
4-Chloro-3-methylphenol	10,000,000	230 U	130 U	130 U	130 U	130 U	240 U	130 U
2 6-Dinitrotoluene	4,000	120 U	69 U	70 U	69 U	73 U	130 U	70 U
2-Nitrophenol	NS	230 U	130 U	130 U	130 U	140 U	250 U	130 U
Dimethyl phthalate	10,000,000	100 U	58 U	58 U	58 U	61 U	110 U	59 U
2 4-Dinitrophenol	2,100,000	230 U*	130 U*	130 U	130 U	140 U	240 U	130 U
Acenaphthylene	10,000,000	110 J	47 U	130 J	200 J	49 J	470 J	55 J

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-38(0-10)	B-38(10-18)	B-39(0-12)	DUPLICATE	B-39(12-24)	B-40(0-10)	B-40(10-20)
Lab Sample ID	Acceptance	212481-007	212481-009	212571-013	212571-014	212655-012	212499-012	212499-014
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	2	1
Date Sampled		3/27/2006	3/27/2006	4/5/2006	4/5/2006	4/13/2006	3/30/2006	3/30/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound								
2 4-Dinitrotoluene	4,000	120 U	68 U	69 U	68 U	71 U	130 U	69 U
Acenaphthene	10,000,000	110 U	63 U	81 J	110 J	65 U	360 J	63 U
4-Nitrophenol	NS	280 U	160 U	160 U	160 U	170 U	300 U	160 U
Fluorene	10,000,000	120 J	49 U	77 J	120 J	51 U	470 J	77 J
1 2-Diphenylhydrazine	NS	66 U	38 U	38 U	37 U	39 U	70 U	38 U
4-Bromophenyl phenyl ether	NS	100 U	58 U	58 U	58 U	61 U	110 U	59 U
Hexachlorobenzene	100,000	98 U	56 U	56 U	55 U	58 U	100 U	57 U
Diethyl phthalate	10,000,000	98 U	56 U	56 U	55 U	58 U	100 U	57 U
4-Chlorophenyl phenyl ether	NS	92 U	52 U	53 U	52 U	55 U	98 U	53 U
Pentachlorophenol	24,000	570 U	330 U	330 U	330 U	340 U	610 U	330 U
n-Nitrosodiphenylamine	600,000	100 U	57 U	57 U	57 U	60 U	110 U	58 U
4 6-Dinitro-2-methylphenol	NS	480 U	270 U	270 U	270 U	280 U	510 U	280 U
Phenanthrene	NS	790	44 U	1400	2500	310 J	4800	720
Anthracene	10,000,000	160 J	63 U	250 J	410	100 J	860	140 J
Di-n-butyl phthalate	10,000,000	88 U	50 U	50 U	50 U	52 U	94 U	51 U
Benzidine	NS	77 U	44 U	44 U	44 U	46 U	82 U	44 U
Fluoranthene	10,000,000	790	57 J	1700	2500	520	4900	820
Pyrene	10,000,000	1000	59 J	2400	2900	500	3100	840
Butyl benzyl phthalate	10,000,000	86 U	49 U	260 J	280 J	51 U	400 J	50 U
Benzo(a)anthracene	13,000	530 J	51 U	1000	1300	320 J	1900	390
Chrysene	40,000	660 J	48 U	1100	1400	330 J	2200	410
3 3-Dichlorobenzidine	6,000	180 U	100 U	100 U	100 U	110 U	190 U	100 U
Bis(2-ethylhexyl)phthalate	210,000	200 J	50 U	330 J	200 J	59 J	210 J	51 U
Di-n-octyl phthalate	10,000,000	70 U	40 U	40 U	40 U	42 U	75 U	40 U
Benzo(b)fluoranthene	14,000	540 JM	110 U	1000	1100	320 J	2200	340 JH
Benzo(k)fluoranthene	6,000	180 JM	42 U	340 J	800	250 J	720	290 J
Benzo(a)pyrene	8,000	540 J	47 U	870	1200	360 J	1800	340 J
Indeno(1 2 3-cd)pyrene	4,000	410 J	39 U	990	1100	260 J	1100	200 J
Dibenzo(a h)anthracene	1,000	75 JM	42 U	250 J	350 J	95 J	300 J	58 J
Benzo(ghi)perylene	NS	470 J	42 U	1100	1400	280 J	1100	200 J
<b>Total SVOCs</b>		6935	318	13368	18010	3753	27300	5010



**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-40(20-32)	B-41(0-10)	B-41(10-20)	B-41(20-30)	B-42(0-12)	B-42(12-22)	B-43(14-24)
Lab Sample ID	Acceptance	212499-016	212499-007	212499-008	212499-017	212499-003	212499-005	212499-019
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	1	1
Date Sampled		3/30/2006	3/30/2006	3/30/2006	3/30/2006	3/29/2006	3/29/2006	4/3/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound								
n-Nitrosodimethylamine	NS	53 U	110 U	57 U	57 U	54 U	57 U	59 U
Phenol	10,000,000	100 U	220 U	110 U	110 U	110 U	110 U	120 U
Bis(2-chloroethyl)ether	3,000	48 U	100 U	52 U	52 U	50 U	52 U	54 U
1 3-Dichlorobenzene	10,000,000	55 U	120 U	60 U	59 U	56 U	59 U	62 U
1 4-Dichlorobenzene	10,000,000	57 U	810	62 U	62 U	59 U	62 U	64 U
1 2-Dichlorobenzene	10,000,000	60 U	130 U	65 U	65 U	62 U	65 U	68 U
Benzyl alcohol	50,000	68 U	140 U	74 U	73 U	70 U	73 U	76 U
2 2-oxybis (1-chloropropane)	NS	51 U	110 U	55 U	55 U	52 U	55 U	57 U
n-Nitroso-di-n-propylamine	1,000	48 U	100 U	52 U	52 U	50 U	52 U	54 U
Hexachloroethane	100,000	63 U	130 U	69 U	69 U	65 U	69 U	71 U
4-Methylphenol	10,000,000	190 U	410 U	210 U	210 U	200 U	210 U	220 U
2-Chlorophenol	5,200,000	93 U	200 U	100 U	100 U	95 U	100 U	100 U
Nitrobenzene	520,000	43 U	91 U	47 U	47 U	44 U	46 U	48 U
Bis(2-chloroethoxy)methane	NS	61 U	130 U	66 U	66 U	63 U	66 U	69 U
1 2 4-Trichlorobenzene	100,000	60 U	130 U	65 U	65 U	62 U	65 U	68 U
Isophorone	10,000,000	65 U	140 U	70 U	70 U	66 U	70 U	73 U
2 4-Dimethylphenol	10,000,000	190 U	390 U	200 U	200 U	190 U	200 U	210 U
Hexachlorobutadiene	21,000	73 U	150 U	79 U	79 U	75 U	79 U	82 U
Naphthalene	4,200,000	61 U	710 J	83 J	66 U	140 J	200 J	69 U
2 4-Dichlorophenol	3,100,000	120 U	250 U	130 U	130 U	120 U	130 U	130 U
4-Chloroaniline	4,200,000	120 U	240 U	120 U	120 U	120 U	120 U	130 U
2 4 6-Trichlorophenol	270,000	91 U	190 U	99 U	99 U	94 U	99 U	100 U
2 4 5-Trichlorophenol	10,000,000	130 U	280 U	140 U	140 U	130 U	140 U	150 U
Hexachlorocyclopentadiene	7,300,000	270 U	570 U	290 U	290 U	270 U	290 U	300 U
2-Chloronaphthalene	NS	53 U	110 U	57 U	57 U	54 U	57 U	59 U
4-Chloro-3-methylphenol	10,000,000	120 U	260 U	130 U	130 U	120 U	130 U	140 U
2 6-Dinitrotoluene	4,000	66 U	140 U	71 U	71 U	67 U	71 U	74 U
2-Nitrophenol	NS	120 U	260 U	140 U	130 U	130 U	130 U	140 U
Dimethyl phthalate	10,000,000	55 U	120 U	60 U	59 U	56 U	59 U	62 U
2 4-Dinitrophenol	2,100,000	120 U	260 U	130 U	130 U	130 U	130 U	140 U
Acenaphthylene	10,000,000	44 U	380 J	48 U	48 U	120 J	48 U	50 U

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-40(20-32)	B-41(0-10)	B-41(10-20)	B-41(20-30)	B-42(0-12)	B-42(12-22)	B-43(14-24)
Lab Sample ID	Acceptance	212499-016	212499-007	212499-008	212499-017	212499-003	212499-005	212499-019
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	1	1
Date Sampled		3/30/2006	3/30/2006	3/30/2006	3/30/2006	3/29/2006	3/29/2006	4/3/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound								
2 4-Dinitrotoluene	4,000	65 U	140 U	70 U	70 U	66 U	70 U	73 U
Acenaphthene	10,000,000	59 U	200 J	64 U	64 U	72 J	95 J	67 U
4-Nitrophenol	NS	150 U	320 U	170 U	170 U	160 U	160 U	170 U
Fluorene	10,000,000	46 U	270 J	50 U	50 U	69 J	50 U	52 U
1 2-Diphenylhydrazine	NS	35 U	75 U	38 U	38 U	36 U	38 U	40 U
4-Bromophenyl phenyl ether	NS	55 U	120 U	60 U	59 U	56 U	59 U	62 U
Hexachlorobenzene	100,000	53 U	110 U	57 U	57 U	54 U	57 U	59 U
Diethyl phthalate	10,000,000	53 U	110 U	57 U	57 U	54 U	57 U	59 U
4-Chlorophenyl phenyl ether	NS	49 U	100 U	54 U	54 U	51 U	53 U	56 U
Pentachlorophenol	24,000	310 U	660 U	340 U	340 U	320 U	330 U	350 U
n-Nitrosodiphenylamine	600,000	54 U	110 U	58 U	58 U	55 U	58 U	61 U
4 6-Dinitro-2-methylphenol	NS	260 U	540 U	280 U	280 U	260 U	280 U	290 U
Phenanthrene	NS	42 U	2600	350 J	45 U	1100	1200	47 U
Anthracene	10,000,000	59 U	660 J	78 J	64 U	240 J	290 J	67 U
Di-n-butyl phthalate	10,000,000	47 U	500 J	51 U	51 U	76 J	51 U	53 U
Benzidine	NS	41 U	88 U	45 U	45 U	43 U	45 U	47 U
Fluoranthene	10,000,000	45 U	3900	310 J	49 U	1300	1300	51 U
Pyrene	10,000,000	49 U	3800	340 J	54 U	790	1400	56 U
Butyl benzyl phthalate	10,000,000	46 U	890	50 U	50 U	280 J	50 U	52 U
Benzo(a)anthracene	13,000	48 U	1700	140 J	52 U	650	710	54 U
Chrysene	40,000	45 U	2100	150 J	49 U	690	830	51 U
3 3-Dichlorobenzidine	6,000	96 U	200 U	100 U	100 U	98 U	100 U	110 U
Bis(2-ethylhexyl)phthalate	210,000	47 U	920	100 J	51 U	120 J	51 U	53 U
Di-n-octyl phthalate	10,000,000	38 U	80 U	41 U	41 U	39 U	41 U	42 U
Benzo(b)fluoranthene	14,000	100 U	1900 H	110 J	110 U	720	490 H	110 U
Benzo(k)fluoranthene	6,000	40 U	1400	100 J	43 U	250 J	540	45 U
Benzo(a)pyrene	8,000	44 U	1800	120 J	48 U	540	600	50 U
Indeno(1 2 3-cd)pyrene	4,000	37 U	1400	82 J	40 U	290 J	330 J	41 U
Dibenzo(a h)anthracene	1,000	40 U	370 J	43 U	43 U	77 J	110 J	45 U
Benzo(ghi)perylene	NS	40 U	1300	69 J	43 U	260 J	280 J	45 U
<b>Total SVOCs</b>		0	27610	2032	0	7784	8375	0

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-44(14-24)	B-45(6-18)	B-46(6-14)	B-47(0-10)	B-48(0-10)	B-49(0-10)	B-50(0-14)
Lab Sample ID	Acceptance	212499-020	212571-002	212571-004	212603-008	212571-015	212571-011	212571-018
Dilution	Criteria <sup>1</sup>	1	1	1	20	1	1	1
Date Sampled		4/3/2006	4/3/2006	4/4/2006	4/10/2006	4/6/2006	4/5/2006	4/6/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound								
n-Nitrosodimethylamine	NS	58 U	50 U	52 U	1100 U	54 U	63 U	55 U
Phenol	10,000,000	110 U	99 U	100 U	2100 U	110 U	120 U	110 U
Bis(2-chloroethyl)ether	3,000	53 U	46 U	48 U	970 U	50 U	58 U	50 U
1 3-Dichlorobenzene	10,000,000	60 U	52 U	54 U	1100 U	56 U	66 U	57 U
1 4-Dichlorobenzene	10,000,000	62 U	54 U	56 U	1100 U	59 U	68 U	62 JH
1 2-Dichlorobenzene	10,000,000	66 U	57 U	59 U	1200 U	62 U	72 U	62 U
Benzyl alcohol	50,000	74 U	64 U	67 U	1400 U	70 U	81 U	70 U
2 2-oxybis (1-chloropropane)	NS	55 U	48 U	50 U	1000 U	52 U	60 U	52 U
n-Nitroso-di-n-propylamine	1,000	53 U	46 U	48 U	970 U	50 U	58 U	50 U
Hexachloroethane	100,000	69 U	60 U	63 U	1300 U	65 U	76 U	66 U
4-Methylphenol	10,000,000	210 U	180 U	190 U	3900 U	200 U	230 U	200 U
2-Chlorophenol	5,200,000	100 U	88 U	91 U	1900 U	95 U	110 U	96 U
Nitrobenzene	520,000	47 U	41 U	42 U	860 U	44 U	51 U	45 U
Bis(2-chloroethoxy)methane	NS	67 U	58 U	61 U	1200 U	63 U	73 U	63 U
1 2 4-Trichlorobenzene	100,000	66 U	57 U	59 U	1200 U	62 U	72 U	62 U
Isophorone	10,000,000	71 U	61 U	64 U	1300 U	66 U	77 U	67 U
2 4-Dimethylphenol	10,000,000	200 U	180 U	180 U	3700 U	190 U	220 U	190 U
Hexachlorobutadiene	21,000	80 U	70 U	72 U	1500 U	75 U	88 U	76 U
Naphthalene	4,200,000	67 U	120 J	61 U	9000	670	4400	420
2 4-Dichlorophenol	3,100,000	130 U	110 U	120 U	2400 U	120 U	140 U	120 U
4-Chloroaniline	4,200,000	130 U	110 U	110 U	2300 U	120 U	140 U	120 U
2 4 6-Trichlorophenol	270,000	100 U	87 U	90 U	1800 U	94 U	110 U	95 U
2 4 5-Trichlorophenol	10,000,000	140 U	120 U	130 U	2600 U	130 U	160 U	130 U
Hexachlorocyclopentadiene	7,300,000	290 U	250 U	260 U	5400 U	270 U	320 U	280 U
2-Chloronaphthalene	NS	58 U	50 U	52 U	1100 U	54 U	63 U	55 U
4-Chloro-3-methylphenol	10,000,000	130 U	120 U	120 U	2400 U	130 U	150 U	130 U
2 6-Dinitrotoluene	4,000	72 U	62 U	65 U	1300 U	68 U	78 U	68 U
2-Nitrophenol	NS	140 U	120 U	120 U	2500 U	130 U	150 U	130 U
Dimethyl phthalate	10,000,000	60 U	52 U	54 U	1100 U	56 U	66 U	57 U
2 4-Dinitrophenol	2,100,000	140 U	120 U	120 U	2500 U	130 U	150 U	130 U
Acenaphthylene	10,000,000	48 U	72 J	44 U	1500 J	170 J	53 U	48 J

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-44(14-24)	B-45(6-18)	B-46(6-14)	B-47(0-10)	B-48(0-10)	B-49(0-10)	B-50(0-14)
Lab Sample ID	Acceptance	212499-020	212571-002	212571-004	212603-008	212571-015	212571-011	212571-018
Dilution	Criteria <sup>1</sup>	1	1	1	20	1	1	1
Date Sampled		4/3/2006	4/3/2006	4/4/2006	4/10/2006	4/6/2006	4/5/2006	4/6/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound								
2 4-Dinitrotoluene	4,000	71 U	61 U	64 U	1300 U	66 U	77 U	67 U
Acenaphthene	10,000,000	65 U	110 J	58 U	5600 J	590	71 U	61 U
4-Nitrophenol	NS	170 U	150 U	150 U	3100 U	160 U	180 U	160 U
Fluorene	10,000,000	51 U	110 J	46 U	5200 J	730	55 U	48 U
1 2-Diphenylhydrazine	NS	39 U	34 U	35 U	710 U	37 U	42 U	37 U
4-Bromophenyl phenyl ether	NS	60 U	52 U	54 U	1100 U	56 U	66 U	57 U
Hexachlorobenzene	100,000	58 U	50 U	52 U	1100 U	54 U	63 U	55 U
Diethyl phthalate	10,000,000	58 U	50 U	52 U	1100 U	54 U	63 U	55 U
4-Chlorophenyl phenyl ether	NS	54 U	47 U	49 U	990 U	51 U	59 U	51 U
Pentachlorophenol	24,000	340 U	290 U	310 U	6200 U	320 U	370 U	320 U
n-Nitrosodiphenylamine	600,000	59 U	51 U	53 U	1100 U	55 U	64 U	56 U
4 6-Dinitro-2-methylphenol	NS	280 U	240 U	250 U	5200 U	260 U	310 U	270 U
Phenanthrene	NS	46 U	1600	450	38000	5600	130 J	550
Anthracene	10,000,000	65 U	350	87 J	10000	1400	71 U	100 J
Di-n-butyl phthalate	10,000,000	52 U	45 U	47 U	950 U	100 J	57 U	49 U
Benzidine	NS	45 U	39 U	41 U	830 U	43 U	50 U	43 U
Fluoranthene	10,000,000	49 U	2100	620	31000	5000	140 J	530
Pyrene	10,000,000	54 U	1800	660	27000	4400	170 J	670
Butyl benzyl phthalate	10,000,000	51 U	44 U	46 U	930 U	450	55 U	110 J
Benzo(a)anthracene	13,000	53 U	1200	320 J	<b>14000</b>	2400	77 J	300 J
Chrysene	40,000	49 U	1200	310 J	11000	2100	94 J	330 J
3 3-Dichlorobenzidine	6,000	100 U	91 U	95 U	1900 U	99 U	110 U	99 U
Bis(2-ethylhexyl)phthalate	210,000	52 U	52 J	47 U	950 U	410	57 U	170 J
Di-n-octyl phthalate	10,000,000	41 U	36 U	37 U	760 U	39 U	45 U	39 U
Benzo(b)fluoranthene	14,000	110 U	1200	380	10000	1900	130 J	360 J
Benzo(k)fluoranthene	6,000	44 U	420 H	130 J	<b>6900 J</b>	1200	48 U	110 J
Benzo(a)pyrene	8,000	48 U	1200	260 J	<b>13000</b>	2000	81 J	260 J
Indeno(1 2 3-cd)pyrene	4,000	40 U	760	180 J	<b>8000</b>	1800	91 J	280 J
Dibenzo(a h)anthracene	1,000	44 U	190 J	39 U	<b>2500 J</b>	690	48 U	41 U
Benzo(ghi)perylene	NS	44 U	820	160 J	8100	1900	84 J	310 J
<b>Total SVOCs</b>		0	13304	3557	200800	33510	5397	4610

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-51(0-12)	B-51(12-18)	B-52(6-18)	B-53(0-6)	B-54(0-6)	B-55(0-12)	B-55(12-20)
Lab Sample ID	Acceptance	212571-007	212571-008	212571-005	212655-002	212655-004	212571-020	212603-002
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	1	1
Date Sampled		4/4/2006	4/4/2006	4/4/2006	4/12/2006	4/13/2006	4/7/2006	4/7/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound								
n-Nitrosodimethylamine	NS	55 U	53 U	55 U	56 U	54 U	56 U	57 U
Phenol	10,000,000	110 U	100 U	110 U	110 U	110 U	110 U	110 U
Bis(2-chloroethyl)ether	3,000	50 U	49 U	51 U	52 U	49 U	51 U	53 U
1 3-Dichlorobenzene	10,000,000	57 U	55 U	58 U	59 U	56 U	58 U	60 U
1 4-Dichlorobenzene	10,000,000	59 U	57 U	60 U	61 U	58 U	60 U	62 U
1 2-Dichlorobenzene	10,000,000	63 U	61 U	63 U	64 U	61 U	64 U	66 U
Benzyl alcohol	50,000	70 U	68 U	71 U	72 U	69 U	72 U	74 U
2 2-oxybis (1-chloropropane)	NS	53 U	51 U	53 U	54 U	51 U	53 U	55 U
n-Nitroso-di-n-propylamine	1,000	50 U	49 U	51 U	52 U	49 U	51 U	53 U
Hexachloroethane	100,000	66 U	64 U	67 U	68 U	65 U	67 U	69 U
4-Methylphenol	10,000,000	200 U	190 U	200 U	210 U	200 U	200 U	210 U
2-Chlorophenol	5,200,000	96 U	93 U	97 U	99 U	94 U	98 U	100 U
Nitrobenzene	520,000	45 U	43 U	45 U	46 U	44 U	45 U	47 U
Bis(2-chloroethoxy)methane	NS	64 U	62 U	64 U	65 U	62 U	65 U	67 U
1 2 4-Trichlorobenzene	100,000	63 U	61 U	63 U	64 U	61 U	64 U	66 U
Isophorone	10,000,000	67 U	65 U	68 U	69 U	66 U	68 U	70 U
2 4-Dimethylphenol	10,000,000	190 U	190 U	190 U	200 U	190 U	200 U	200 U
Hexachlorobutadiene	21,000	76 U	74 U	77 U	78 U	74 U	77 U	80 U
Naphthalene	4,200,000	560	100 J	100 J	200 J	82 J	65 U	67 U
2 4-Dichlorophenol	3,100,000	120 U	120 U	120 U	130 U	120 U	120 U	130 U
4-Chloroaniline	4,200,000	120 U	120 U	120 U	120 U	120 U	120 U	130 U
2 4 6-Trichlorophenol	270,000	95 U	92 U	96 U	98 U	93 U	97 U	100 U
2 4 5-Trichlorophenol	10,000,000	140 U	130 U	140 U	140 U	130 U	140 U	140 U
Hexachlorocyclopentadiene	7,300,000	280 U	270 U	280 U	280 U	270 U	280 U	290 U
2-Chloronaphthalene	NS	55 U	53 U	55 U	56 U	54 U	56 U	57 U
4-Chloro-3-methylphenol	10,000,000	130 U	120 U	130 U	130 U	120 U	130 U	130 U
2 6-Dinitrotoluene	4,000	68 U	66 U	69 U	70 U	67 U	69 U	71 U
2-Nitrophenol	NS	130 U	130 U	130 U	130 U	130 U	130 U	140 U
Dimethyl phthalate	10,000,000	57 U	55 U	58 U	59 U	56 U	58 U	60 U
2 4-Dinitrophenol	2,100,000	130 U	120 U	130 U	130 U	130 U	130 U	130 U
Acenaphthylene	10,000,000	62 J	44 U	340 J	420	130 J	47 U	48 U

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-51(0-12)	B-51(12-18)	B-52(6-18)	B-53(0-6)	B-54(0-6)	B-55(0-12)	B-55(12-20)
Lab Sample ID	Acceptance	212571-007	212571-008	212571-005	212655-002	212655-004	212571-020	212603-002
Dilution	Criteria <sup>1</sup>	1	1	1	1	1	1	1
Date Sampled		4/4/2006	4/4/2006	4/4/2006	4/12/2006	4/13/2006	4/7/2006	4/7/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound								
2 4-Dinitrotoluene	4,000	67 U	65 U	68 U	69 U	66 U	68 U	70 U
Acenaphthene	10,000,000	100 J	59 U	64 J	200 J	220 J	62 U	64 U
4-Nitrophenol	NS	160 U	150 U	160 U	160 U	160 U	160 U	170 U
Fluorene	10,000,000	140 J	58 J	90 J	270 J	170 J	49 U	50 U
1 2-Diphenylhydrazine	NS	37 U	36 U	37 U	38 U	36 U	37 U	39 U
4-Bromophenyl phenyl ether	NS	57 U	55 U	58 U	59 U	56 U	58 U	60 U
Hexachlorobenzene	100,000	55 U	53 U	55 U	56 U	54 U	56 U	57 U
Diethyl phthalate	10,000,000	130 J	53 U	55 U	56 U	54 U	56 U	57 U
4-Chlorophenyl phenyl ether	NS	51 U	50 U	52 U	53 U	50 U	52 U	54 U
Pentachlorophenol	24,000	320 U	310 U	330 U	330 U	320 U	330 U	340 U
n-Nitrosodiphenylamine	600,000	56 U	54 U	57 U	57 U	55 U	57 U	59 U
4 6-Dinitro-2-methylphenol	NS	270 U	260 U	270 U	270 U	260 U	270 U	280 U
Phenanthrene	NS	1300	700	1500	3400	2800	340 J	46 U
Anthracene	10,000,000	260 J	150 J	320 J	770	540	72 J	64 U
Di-n-butyl phthalate	10,000,000	600	190 J	50 U	81 J	48 U	76 J	52 U
Benzidine	NS	43 U	42 U	44 U	44 U	42 U	44 U	45 U
Fluoranthene	10,000,000	1000	670	2100	4400	3900	370 J	49 U
Pyrene	10,000,000	1100	760	1300	4200	4000	290 J	54 U
Butyl benzyl phthalate	10,000,000	420	290 J	49 U	49 U	47 U	49 U	50 U
Benzo(a)anthracene	13,000	490	390	1000	2500	2100	200 J	53 U
Chrysene	40,000	420	310 J	1100	2500	2100	220 J	49 U
3 3-Dichlorobenzidine	6,000	100 U	96 U	100 U	100 U	97 U	100 U	100 U
Bis(2-ethylhexyl)phthalate	210,000	220 J	160 J	50 U	50 U	48 U	150 J	52 U
Di-n-octyl phthalate	10,000,000	39 U	38 U	40 U	40 U	38 U	40 U	41 U
Benzo(b)fluoranthene	14,000	510	360	1300	1900	1500	200 J	110 U
Benzo(k)fluoranthene	6,000	170 J	140 J	420	1800	1500	150 J	43 U
Benzo(a)pyrene	8,000	350 J	280 J	1000	2200	1900	200 J	48 U
Indeno(1 2 3-cd)pyrene	4,000	280 J	260 J	820	1900	1600	120 J	40 U
Dibenzo(a h)anthracene	1,000	73 J	66 J	200 J	700	580	46 J	43 U
Benzo(ghi)perylene	NS	280 J	270 J	890	2300	1900	140 J	43 U
<b>Total SVOCs</b>		8465	5154	12544	29741	25022	2574	0

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Beneficial Use</b>	<b>B-56(0-12)</b>	<b>B-56(12-24)</b>
<b>Lab Sample ID</b>	<b>Acceptance</b>	<b>212603-003</b>	<b>212603-006</b>
<b>Dilution</b>	<b>Criteria<sup>1</sup></b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>		<b>4/7/2006</b>	<b>4/7/2006</b>
<b>Units</b>	<b>(µg/Kg)</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>			
n-Nitrosodimethylamine	NS	57 U	60 U
Phenol	10,000,000	110 U	120 U
Bis(2-chloroethyl)ether	3,000	52 U	55 U
1 3-Dichlorobenzene	10,000,000	60 U	62 U
1 4-Dichlorobenzene	10,000,000	62 U	64 U
1 2-Dichlorobenzene	10,000,000	65 U	68 U
Benzyl alcohol	50,000	74 U	77 U
2 2-oxybis (1-chloropropane)	NS	55 U	57 U
n-Nitroso-di-n-propylamine	1,000	52 U	55 U
Hexachloroethane	100,000	69 U	72 U
4-Methylphenol	10,000,000	210 U	220 U
2-Chlorophenol	5,200,000	100 U	100 U
Nitrobenzene	520,000	47 U	49 U
Bis(2-chloroethoxy)methane	NS	66 U	69 U
1 2 4-Trichlorobenzene	100,000	65 U	68 U
Isophorone	10,000,000	70 U	73 U
2 4-Dimethylphenol	10,000,000	200 U	210 U
Hexachlorobutadiene	21,000	79 U	83 U
Naphthalene	4,200,000	66 U	69 U
2 4-Dichlorophenol	3,100,000	130 U	130 U
4-Chloroaniline	4,200,000	120 U	130 U
2 4 6-Trichlorophenol	270,000	99 U	100 U
2 4 5-Trichlorophenol	10,000,000	140 U	150 U
Hexachlorocyclopentadiene	7,300,000	290 U	300 U
2-Chloronaphthalene	NS	57 U	60 U
4-Chloro-3-methylphenol	10,000,000	130 U	140 U
2 6-Dinitrotoluene	4,000	71 U	74 U
2-Nitrophenol	NS	140 U	140 U
Dimethyl phthalate	10,000,000	60 U	62 U
2 4-Dinitrophenol	2,100,000	130 U	140 U
Acenaphthylene	10,000,000	71 J	50 U

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION, WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-56(0-12)	B-56(12-24)
Lab Sample ID	Acceptance	212603-003	212603-006
Dilution	Criteria <sup>1</sup>	1	1
Date Sampled		4/7/2006	4/7/2006
Units	(µg/Kg)	µg/Kg	µg/Kg
Compound			
2 4-Dinitrotoluene	4,000	70 U	73 U
Acenaphthene	10,000,000	64 U	67 U
4-Nitrophenol	NS	170 U	170 U
Fluorene	10,000,000	50 U	52 U
1 2-Diphenylhydrazine	NS	38 U	40 U
4-Bromophenyl phenyl ether	NS	60 U	62 U
Hexachlorobenzene	100,000	57 U	60 U
Diethyl phthalate	10,000,000	57 U	60 U
4-Chlorophenyl phenyl ether	NS	54 U	56 U
Pentachlorophenol	24,000	340 U	350 U
n-Nitrosodiphenylamine	600,000	58 U	61 U
4 6-Dinitro-2-methylphenol	NS	280 U	290 U
Phenanthrene	NS	260 J	180 J
Anthracene	10,000,000	97 J	67 U
Di-n-butyl phthalate	10,000,000	130 J	53 U
Benzidine	NS	45 U	47 U
Fluoranthene	10,000,000	510	200 J
Pyrene	10,000,000	520	240 J
Butyl benzyl phthalate	10,000,000	3100	52 U
Benzo(a)anthracene	13,000	320 J	120 J
Chrysene	40,000	310 J	92 J
3 3-Dichlorobenzidine	6,000	100 U	110 U
Bis(2-ethylhexyl)phthalate	210,000	540	53 U
Di-n-octyl phthalate	10,000,000	41 U	43 U
Benzo(b)fluoranthene	14,000	300 J	130 J
Benzo(k)fluoranthene	6,000	210 J	51 J
Benzo(a)pyrene	8,000	340 J	99 J
Indeno(1 2 3-cd)pyrene	4,000	270 J	76 J
Dibenzo(a h)anthracene	1,000	95 J	45 U
Benzo(ghi)perylene	NS	300 J	69 J
<b>Total SVOCs</b>		7373	1257



**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes:**

1 - The Beneficial Use Acceptance Criteria, based on the analytical criteria provided by the Former Allied Signal Site, Elizabeth, NJ.

µg/Kg - micrograms per kilogram = parts per billion (ppb)

U - Analyte was not detected at or above the reporting limit.

J - Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).

M - concentration calculated using manual integration.

H - concentration was calculated using manual alternate peak selection.

NS - No standard

\* - Batch quality control sample exceeds the upper or lower control limits.

\*\* - This interval represents 12-24' below grade. There was a typo during labeling, therefore the lab mis-labeled the sample as 12-14'.

**TABLE 3  
METALS IN SOIL  
FOR BENEFICIAL USE DETERMINATION  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria (mg/Kg)	B-20(0-6) 212603-014 1 4/10/2006 mg/Kg	B-21(0-6) 212603-012 1 4/10/2006 mg/Kg	B-22(0-6) 212603-010 1 4/10/2006 mg/Kg	B-23(0-6) 212655-006 1 4/13/2006 mg/Kg	B-24(0-6) 212655-008 1 4/13/2006 mg/Kg	B-24(6-12) 212655-010 1 4/13/2006 mg/Kg	B-25(0-6) 212603-016 1 4/12/2006 mg/Kg
Antimony	1,660	1.1 UN	1.5 UN	1.1 UN	1.6 UN	1.4 UN	1.7 BN	2.1 BN
Arsenic	50	7 BN	3.3 BN	5.4 BN	9.8 BN	4 BN	15 N	9.3 N
Barium	47,000	927 N	1900 N	392 N	558 *N	192 *N	976 *N	707 N
Beryllium	5	0.48 U	0.64 U	0.48 U	0.69 UN	0.63 UN	0.5 UN	0.57 U
Cadmium	100	0.97 U	1.3 U	6	2.1 BN	3.3 BN	1.7 BN	6.9
Chromium	NS	11.4	7.9	30	44.4 *N	10.6 *N	12.2 *N	31.5
Chromium III	120,000	10.6	7.67	28.7	42.5	9.65	11.1	30.9
Chromium VI	60	0.79 B	0.24 B	1.3	1.8	1.1	1.2	0.65 B
Copper	600	40.4 *	16 *	123 *	63.9 *N	69.6 *N	36.4 *N	135 *
Lead	613	<b>721</b>	467	535	<b>1000</b> *	297 *	<b>877</b> *	<b>1130</b>
Mercury	270	0.48 N	0.4 N	0.79 N	0.65	0.32	0.52	0.92
Nickel	2,400	12.1 *N	7.3 *N	94.3 *N	30.8 *N	17.5 *N	18 *N	17.4 *N
Selenium	3,100	1.5 UN	2.1 UN	1.5 UN	2.2 U	2 U	1.6 U	1.8 UN
Silver	4,100	0.31 U*	0.41 U*	0.56 B*	0.44 UN	0.4 UN	0.55 BN	0.53 B*
Thallium	2	4 UN	5.4 UN	4 UN	5.7 UN	5.2 UN	4.2 UN	4.7 UN
Vanadium	7,100	14.1	11.8	28.7	29.4 *N	18.5 *N	20.7 *N	27
Zinc	1,500	479 *	519 *	606 *	606 *	425 *	922 *	768 *

**TABLE 3**  
**METALS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria (mg/Kg)	B-25(6-12) 212603-018 1 4/12/2006 mg/Kg	B-25(12-18) 212603-020 1 4/12/2006 mg/Kg	B-26(6-20) 212481-003 1 3/28/2006 mg/Kg	B-26(20-26) 212481-004 1 3/28/2006 mg/Kg	B-27(0-10) 212429-016 1 3/23/2006 mg/Kg	B-27(10-20) 212429-018 1 3/23/2006 mg/Kg	B-27(20-30) 212429-020 1 3/23/2006 mg/Kg	B-28(0-15) 212429-004 1 3/22/2006 mg/Kg	B-28(15-30) 212429-001 1 3/22/2006 mg/Kg
Antimony	1,660	1 UN	1.2 UN	1.2 UN	1.3 UN	1.8 BN	1.5 UN	1.1 UN	1.3 UN	1.2 UN
Arsenic	50	5.4 BN	1.3 UN	4.7 BN	1.4 BN	12.6 N	2 BN	2.1 BN	2.7 B	3.7 B
Barium	47,000	469 N	88.8 N	25.3 *N	173 *N	512 *N	100 *N	32.6 *N	233	52.2
Beryllium	5	0.44 U	0.53 U	0.53 UN	0.57 UN	0.51 U	0.68 U	0.46 U	0.57 UN	0.51 UN
Cadmium	100	2.1 B	1.1 U	1.1 U	1.1 U	1.6 B	1.4 U	0.93 U	1.1 U	1 U
Chromium	NS	16.7	21.8	12.9	28.2	14 *N	16.7 *N	12.7 *N	15.7	16.3
Chromium III	120,000	16.3	21.8	0.45 B	0.41 B	14	16.7	12.7	15.1	16
Chromium VI	60	0.48 B	0.22 U	12.5	27.8	0.46 B	0.36 B	0.23 U	0.62 B	0.27 B
Copper	600	35.8 *	94.3 *	34 *N	30.9 *N	157 *	20.6 *	20.1 *	23	14.6
Lead	613	697	29	11.2 *	8.5 B*	601 *N	87.2 *N	9.3 *N	287	10
Mercury	270	0.67	0.14	0.18	0.014 U	0.46	0.44	0.024 B	0.84	0.026 B
Nickel	2,400	14.9 *N	26.9 *N	18.3	21.4	98.3 *	20 *	16 *	16.3	15
Selenium	3,100	1.4 UN	1.7 UN	1.7 U	1.8 U	1.6 U	2.2 U	1.5 U	1.8 U	1.6 U
Silver	4,100	0.28 U*	0.34 U*	0.34 U	0.36 U	0.93 B	0.43 U	0.3 U	0.37 U	0.33 U
Thallium	2	3.6 UN	4.4 UN	4.4 UN	4.8 UN	4.2 UN	5.6 UN	3.9 UN	4.8 UN	4.3 UN
Vanadium	7,100	22.9	26.6	16.6	40	16.1	20	15.1	21	21.8
Zinc	1,500	378 *	80.5 *	49.6 *	64.4 *	396	65.5	44.9	177 N	44 N

**TABLE 3  
METALS IN SOIL  
FOR BENEFICIAL USE DETERMINATION  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria (mg/Kg)	B-29(6-16) 212481-011 1 3/28/2006 mg/Kg	B-29(16-24) 212481-013 1 3/28/2006 mg/Kg	B-30(0-10) 212454-002 1 3/24/2006 mg/Kg	B-30(10-18) 212454-004 1 3/24/2006 mg/Kg	B-31(0-16) 212429-006 1 3/22/2006 mg/Kg	B-31(16-25) 212429-008 1 3/22/2006 mg/Kg	B-32(0-14) 212429-010 1 3/23/2006 mg/Kg	B-32(14-20) 212429-012 1 3/23/2006 mg/Kg	B-32(20-30) 212429-014 1 3/23/2006 mg/Kg	B-33(0-12) 212481-011 1 3/29/2006 mg/Kg
Antimony	1,660	1.4 UN	1.2 UN	1.3 UN	1.2 UN	1.4 UN	1.5 UN	1.4 UN	1.6 UN	1.1 UN	1.2
Arsenic	50	5.6 BN	1.9 BN	9 B	3.1 B	4 B	1.6 U	3.8 B	2.9 B	1.2 U	4.8
Barium	47,000	489 *N	19.7 *N	189 N	80.8 N	316	38.5	745	51.4	34.3	1550
Beryllium	5	0.63 UN	0.53 UN	0.86 BN	0.52 UN	0.59 UN	0.65 UN	0.61 UN	0.7 UN	0.49 UN	0.5
Cadmium	100	1.3 U	1.1 U	2 BN	1 UN	1.2 U	1.3 U	1.2 U	1.4 U	0.98 U	1.1
Chromium	NS	17.5	10.1	9.7 *	16.4 *	16.7	13.2	15.3	15.3	14.7	16.9
Chromium III	120,000	0.46 B	0.26 B	7.73	15.6	15.7	12.5	14.9	15.3	13.4	0.25
Chromium VI	60	17	9.84	2.1	0.8 B	1	0.67 B	0.44 B	0.23 U	1.2	16.9
Copper	600	28.4 *N	12 *N	75.3 N	18.4 N	27.3	17.2	24.5	20.4	17.3	25.3
Lead	613	300 *	6.7 B*	152	98.6	295	15.3	<b>2870</b>	35.4	10.1	<b>730</b>
Mercury	270	0.12	0.018 U	0.36	0.52	0.45	0.31	0.45	0.062	0.029 B	0.38
Nickel	2,400	18.1	11.4	22.9 N	16.1 N	17.1	15.3	14.1	17.7	13.7	15.7
Selenium	3,100	2 U	1.7 U	1.8 U	1.7 U	1.9 U	2.1 U	2 U	2.2 U	1.6 U	1.6
Silver	4,100	0.4 U	0.34 U	0.36 UN	0.33 UN	0.38 U	0.42 U	0.39 U	0.45 U	0.31 U	0.32
Thallium	2	5.3 UN	4.4 UN	4.7 UN	4.4 UN	5 UN	5.5 UN	5.1 UN	5.9 UN	4.1 UN	4.2
Vanadium	7,100	24.8	13.4	16.1 N	24.2 N	20	15.3	21.1	18.4	18.5	19.3
Zinc	1,500	235 *	31.6 *	227 *N	73.2 *N	166 N	42.9 N	261 N	54.2 N	39.5 N	529

**TABLE 3  
METALS IN SOIL  
FOR BENEFICIAL USE DETERMINATION  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria (mg/Kg)	) 5 ) UN BN *N UN B U U *N * U U UN U *
Antimony	1,660	UN
Arsenic	50	BN
Barium	47,000	*N
Beryllium	5	UN
Cadmium	100	B
Chromium	NS	
Chromium III	120,000	U
Chromium VI	60	
Copper	600	*N
Lead	613	*
Mercury	270	
Nickel	2,400	
Selenium	3,100	U
Silver	4,100	U
Thallium	2	UN
Vanadium	7,100	
Zinc	1,500	*

**TABLE 3**  
**METALS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Beneficial Use Acceptance Criteria (mg/Kg)</b>	<b>B-33(12-14)** 212481-017 1 3/29/2006 mg/Kg</b>	<b>B-34(0-10) 212454-007 1 3/24/2006 mg/Kg</b>
Antimony	1,660	1.1 UN	1.5 UN
Arsenic	50	4.3 BN	15.8
Barium	47,000	24.4 *N	337 N
Beryllium	5	0.5 BN	0.67 UN
Cadmium	100	0.99 U	1.3 UN
Chromium	NS	14.5	31 *
Chromium III	120,000	1.2	25.8
Chromium VI	60	13.3	5.5
Copper	600	22.9 *N	63.5 N
Lead	613	11.3 *	<b>917</b>
Mercury	270	0.016 U	1.4
Nickel	2,400	17.2	18 N
Selenium	3,100	1.6 U	2.2 U
Silver	4,100	0.32 U	0.43 UN
Thallium	2	4.1 UN	5.6 UN
Vanadium	7,100	20.9	36.9 N
Zinc	1,500	51 *	165 *N

**TABLE 3  
METALS IN SOIL  
FOR BENEFICIAL USE DETERMINATION  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID	Beneficial Use Acceptance Criteria (mg/Kg)	B-34(10-24) 212454-009 1 3/24/2006 mg/Kg	B-35(0-10) 212454-011 1 3/24/2006 mg/Kg	B-35(10-20) 212454-013 1 3/24/2006 mg/Kg	B-35(20-28) 212454-015 1 3/24/2006 mg/Kg	B-36(0-10) 212454-017 1 3/27/2006 mg/Kg	B-36(10-18) 212454-019 1 3/27/2006 mg/Kg	B-36(18-30) 212481-001 1 3/27/2006 mg/Kg	B-37(0-12) 212481-019 1 3/29/2006 mg/Kg	B-37(12-24) 212499-001 1 3/29/2006 mg/Kg
Antimony	1,660	1.3 UN	1.1 UN	1.3 UN	1.2 UN	1.1 UN	1.3 UN	1.5 UN	1.4 UN	1.1 UN
Arsenic	50	1.4 U	9.3	3.1 B	1.8 B	5.5 BN	3.2 BN	2.3 BN	3.9 BN	1.3 BN
Barium	47,000	65.5 N	292 N	116 N	62.2 N	207 *N	70.1 *N	64.8 *N	199 *N	75.9 *N
Beryllium	5	0.58 UN	0.48 UN	0.58 UN	0.53 UN	0.5 UN	0.56 UN	0.66 UN	0.61 UN	0.49 UN
Cadmium	100	1.2 UN	3.9 N	1.2 UN	1.1 UN	1.2 B	1.1 U	1.3 U	1.2 U	0.98 U
Chromium	NS	25.3 *	28.3 *	19.1 *	18.6 *	14.5	21.9	17.8	18.2	22.8
Chromium III	120,000	24.6	24.7	18.3	17.9	11.6	21.6	0.23 U	0.86 B	22.8
Chromium VI	60	0.67 B	3.6	0.83 B	0.69 B	2.9	0.33 B	18.2	16.9	0.23 U
Copper	600	28.2 N	40.1 N	29.6 N	21.1 N	20.5 *N	17.5 *N	16.3 *N	31.9 *N	20 *N
Lead	613	48.9	399	120	9.5 B	163 *	11.3 *	7.1 B*	172 *	11.2 *
Mercury	270	0.75	0.74	0.68	0.032 B	0.51	0.032 B	0.061	0.67	0.012 U
Nickel	2,400	26.4 N	16.7 N	17.1 N	18.5 N	11.3	21	15.3	20.6	20
Selenium	3,100	1.8 U	1.5 U	1.8 U	1.7 U	1.6 U	1.8 U	2.1 U	2 U	1.6 U
Silver	4,100	0.37 UN	0.31 UN	0.37 UN	0.34 UN	0.32 U	0.36 U	0.42 U	0.39 U	0.31 U
Thallium	2	4.8 UN	4 UN	4.8 UN	4.4 UN	4.2 UN	4.7 UN	5.5 UN	5.1 UN	4.1 UN
Vanadium	7,100	23.9 N	26.8 N	25.5 N	21.7 N	20.8	26.1	26.9	26.3	25.7
Zinc	1,500	96.7 *N	655 *N	64.1 *N	36.1 *N	166 *	55.2 *	34.1 *	135 *	43.3 *

**TABLE 3  
METALS IN SOIL  
FOR BENEFICIAL USE DETERMINATION  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria (mg/Kg)	B-38(0-10) 212481-007 1 3/27/2006 mg/Kg	B-38(10-18) 212481-009 1 3/27/2006 mg/Kg	B-39(0-12) 212571-013 1 4/5/2006 mg/Kg	DUPLICATE 212571-014 1 4/5/2006 mg/Kg
Antimony	1,660	1.2 UN	1.3 UN	3.2 BN	1.6 UN
Arsenic	50	2.1 BN	5 BN	5 B	5.3 B
Barium	47,000	51.8 *N	74.3 *N	261 *	524 *
Beryllium	5	0.53 UN	0.59 UN	0.58 UN	0.69 UN
Cadmium	100	1.1 U	1.2 U	1.2 U	1.4 U
Chromium	NS	14.5	19	9.9 N	9 N
Chromium III	120,000	1	0.71 B	8.94	7.49
Chromium VI	60	13.5	18.3	0.97	1.6
Copper	600	29.2 *N	21.4 *N	10.7 *	44.5 *
Lead	613	36.4 *	81.9 *	293 *	232 *
Mercury	270	0.093	0.61	0.31 *N	0.35 *N
Nickel	2,400	9.7	16.6	7.9 *N	10.1 *N
Selenium	3,100	1.7 U	1.9 U	1.8 U	2.2 U
Silver	4,100	0.34 U	0.38 U	0.37 UN	0.44 UN
Thallium	2	4.4 UN	4.9 UN	4.8 U	5.7 U
Vanadium	7,100	20.4	24.6	17.5 N	16.1 N
Zinc	1,500	76.5 *	96.4 *	227	335



**TABLE 3  
METALS IN SOIL  
FOR BENEFICIAL USE DETERMINATION  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria (mg/Kg)	B-39(12-24) 212655-012 1 4/13/2006 mg/Kg	B-40(0-10) 212499-012 1 3/30/2006 mg/Kg	B-40(10-20) 212499-014 1 3/30/2006 mg/Kg	B-40(20-32) 212499-016 1 3/30/2006 mg/Kg	B-41(0-10) 212499-007 1 3/30/2006 mg/Kg	B-41(10-20) 212499-008 1 3/30/2006 mg/Kg
Antimony	1,660	1.4 UN	1.5 UN	1.4 UN	1.2 UN	1.4 UN	1.1 UN
Arsenic	50	1.5 UN	6.4 BN	3.6 BN	1.8 BN	3.3 BN	3.8 BN
Barium	47,000	58.9 *N	145 *N	179 *N	51.4 *N	143 *N	63.8 *N
Beryllium	5	0.62 UN	0.64 U	0.62 U	1.3 B	0.62 U	0.48 U
Cadmium	100	1.2 UN	1.3 U	1.2 U	1 U	1.2 U	0.96 U
Chromium	NS	16.3 *N	13.5 N	24.2 N	19.9 N	10.5 N	22.3 N
Chromium III	120,000	16.3	13.5	24	19.9	10.1	22.3
Chromium VI	60	0.25 U	0.23 U	0.24 B	0.23 U	0.47 B	0.23 U
Copper	600	18.2 *N	23.2 N	48.5 N	21.7 N	18.3 N	21.7 N
Lead	613	37.8 *	<b>1160</b>	188	14.8	110	52.8
Mercury	270	0.23	0.22	0.73	0.013 U	0.32	0.097
Nickel	2,400	14.2 *N	11.7 N	50.5 N	25.2 N	9.7 N	20 N
Selenium	3,100	2 U	2.1 U	2 U	1.7 U	2 U	1.5 U
Silver	4,100	0.4 UN	0.41 U	0.4 U	0.33 U	0.4 U	0.31 U
Thallium	2	5.2 UN	5.3 UN	5.2 UN	4.3 UN	5.2 UN	4 UN
Vanadium	7,100	15.6 *N	18	31.8	21.1	18.7	20.6
Zinc	1,500	65.8 *	106	117	45.5	136	63.2

**TABLE 3  
METALS IN SOIL  
FOR BENEFICIAL USE DETERMINATION  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria (mg/Kg)	B-41(20-30) 212499-017 1 3/30/2006 mg/Kg	B-42(0-12) 212499-003 1 3/29/2006 mg/Kg	B-42(12-22) 212499-005 1 3/29/2006 mg/Kg	B-43(14-24) 212499-019 1 4/3/2006 mg/Kg	B-44(14-24) 212499-020 1 4/3/2006 mg/Kg	B-45(6-18) 212571-002 1 4/3/2006 mg/Kg
Antimony	1,660	1.7 UN	1.1 UN	1.3 UN	1.2 UN	1.3 UN	1 UN
Arsenic	50	1.8 BN	2.4 BN	2.8 BN	4.7 B	1.5 B	1.1 U
Barium	47,000	70.7 *N	137 *N	123 *N	53.2	157	156 *
Beryllium	5	0.74 U	0.5 UN	0.57 UN	0.53 U	0.59 U	0.44 UN
Cadmium	100	1.5 U	1 U	1.1 U	1.1 U	1.2 U	0.89 U
Chromium	NS	20.8 N	17.8	24.2	16.6	34.2	37.5 N
Chromium III	120,000	20.8	17.8	23.7	16.2	33.8	37.5
Chromium VI	60	0.24 U	0.24 U	0.52 B	0.41 B	0.34 B	0.21 U
Copper	600	10.1 N	38.4 *N	58.3 *N	20.4	29.2	24.7 *
Lead	613	9.4 B	47 *	54.5 *	13.9	25.3	117 *
Mercury	270	0.027 B	0.085	0.11	0.018 U	0.088	1.4 *N
Nickel	2,400	12.9 N	26	38.2	17.4 *	22.9 *	32 *N
Selenium	3,100	2.4 U	1.6 U	1.8 U	1.9 B	1.9 U	1.4 U
Silver	4,100	0.47 U	0.32 U	0.36 U	0.34 U	0.38 U	0.28 UN
Thallium	2	6.1 UN	4.2 UN	4.7 UN	4.4 U	4.9 U	3.7 U
Vanadium	7,100	21.5	21.3	32.4	21.1 *	42.8 *	45.5 N
Zinc	1,500	31.9	213 *	668 *	47.6	66.1	89

**TABLE 3  
METALS IN SOIL  
FOR BENEFICIAL USE DETERMINATION  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria (mg/Kg)	B-46(6-14) 212571-004 1 4/4/2006 mg/Kg	B-47(0-10) 212603-008 1 4/10/2006 mg/Kg	B-48(0-10) 212571-015 1 4/6/2006 mg/Kg	B-49(0-10) 212571-011 1 4/5/2006 mg/Kg	B-50(0-14) 212571-018 1 4/6/2006 mg/Kg	B-51(0-12) 212571-007 1 4/4/2006 mg/Kg
Antimony	1,660	1.1 UN	1.5 UN	1.2 UN	1.2 UN	1.2 UN	1.1 UN
Arsenic	50	4.7 B	2.3 BN	2.6 B	2.1 B	4.3 B	1.2 U
Barium	47,000	1050 *	81 N	428 *	109 *	91.3 *	108 *
Beryllium	5	0.49 UN	0.66 U	0.51 UN	0.52 UN	0.53 UN	0.48 UN
Cadmium	100	1.6 B	1.3 U	1 U	1 U	1.1 U	0.96 U
Chromium	NS	40.7 N	12	9.4 N	15.1 N	10.5 N	12 N
Chromium III	120,000	40.4	11	8.35	15.1	8.93	9.8
Chromium VI	60	0.3 B	0.96	1.1	0.24 U	1.6	2.3
Copper	600	66 *	13.5 *	12.9 *	42.4 *	10.7 *	12.7 *
Lead	613	464 *	58.4 *	114 *	186 *	159 *	88.4 *
Mercury	270	0.21 *N	0.16 N	0.12 *N	0.9 *N	0.1 *N	0.27 *N
Nickel	2,400	39.9 *N	9 *N	7.8 *N	17.9 *N	7 *N	7.1 *N
Selenium	3,100	1.6 U	2.1 UN	1.6 U	1.7 U	1.7 U	1.5 U
Silver	4,100	0.31 UN	0.42 U*	0.33 UN	0.33 UN	0.34 UN	0.31 UN
Thallium	2	4.1 U	5.5 UN	4.3 U	4.4 U	4.4 U	4 U
Vanadium	7,100	50.9 N	13.2	16.3 N	19.2 N	22.3 N	13.2 N
Zinc	1,500	1150	57.6 *	177	111	54.8	113

**TABLE 3  
METALS IN SOIL  
FOR BENEFICIAL USE DETERMINATION  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria (mg/Kg)	B-51(12-18) 212571-008 1 4/4/2006 mg/Kg	B-52(6-18) 212571-005 1 4/4/2006 mg/Kg	B-53(0-6) 212655-002 1 4/12/2006 mg/Kg	B-54(0-6) 212655-004 1 4/13/2006 mg/Kg	B-55(0-12) 212571-020 1 4/7/2006 mg/Kg	B-55(12-20) 212603-002 1 4/7/2006 mg/Kg
Antimony	1,660	1.1 UN	1.3 UN	18 N	1.4 UN	1.3 UN	1.4 UN
Arsenic	50	1.6 B	4.2 B	13.9 N	7.4 BN	2.6 BN	1.9 BN
Barium	47,000	90.2 *	990 *	1340 *N	298 *N	150 *N	73.7 *N
Beryllium	5	0.47 UN	0.59 UN	0.55 UN	0.61 UN	0.56 U	0.63 U
Cadmium	100	0.93 U	1.2 U	1.1 BN	1.2 UN	1.1 U	1.3 U
Chromium	NS	23.8 N	17.4 N	19 *N	13.7 *N	17.8 *N	14 *N
Chromium III	120,000	23.8	17.4	17.6	13.2	17	14
Chromium VI	60	0.23 U	0.23 U	1.6	0.54 B	0.74 B	0.22 U
Copper	600	33.6 *	19.2 *	84.5 *N	62.5 *N	22.7 *	16.7 *
Lead	613	47.8 *	237 *	<b>4360</b> *	275 *	110 *N	30.4 *N
Mercury	270	0.35 *N	0.98 *N	0.64	0.87	0.92 *N	0.044
Nickel	2,400	20.1 *N	15 *N	18.8 *N	52 *N	22.4 *	16.2 *
Selenium	3,100	1.5 U	1.9 U	1.8 U	1.9 U	1.8 U	2 U
Silver	4,100	0.3 UN	0.38 UN	1.2 BN	0.41 BN	0.36 U	0.4 U
Thallium	2	3.9 U	4.9 U	4.6 UN	5.1 UN	4.7 UN	5.3 UN
Vanadium	7,100	23.4 N	15.7 N	23.7 *N	21.1 *N	19.7	17.6
Zinc	1,500	77.3	397	1300 *	265 *	145	44.5

**TABLE 3  
METALS IN SOIL  
FOR BENEFICIAL USE DETERMINATION  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK**

<b>Client ID Lab Sample ID Dilution Date Sampled Units Compound</b>	<b>Beneficial Use Acceptance Criteria (mg/Kg)</b>	<b>B-56(0-12) 212603-003 1 4/7/2006 mg/Kg</b>	<b>B-56(12-24) 212603-006 1 4/7/2006 mg/Kg</b>
Antimony	1,660	1.3 UN	1.6 UN
Arsenic	50	2.5 BN	1.7 UN
Barium	47,000	70.7 *N	36.5 *N
Beryllium	5	0.59 U	0.68 U
Cadmium	100	1.2 U	1.4 U
Chromium	NS	17.4 *N	13.4 *N
Chromium III	120,000	17.4	13.4
Chromium VI	60	0.22 U	0.23 U
Copper	600	28.7 *	17.6 *
Lead	613	49.8 *N	4.7 B*N
Mercury	270	0.11	0.059
Nickel	2,400	16.3 *	20.4 *
Selenium	3,100	1.9 U	2.2 U
Silver	4,100	0.38 U	0.44 U
Thallium	2	4.9 UN	5.7 UN
Vanadium	7,100	21.1	13.7
Zinc	1,500	60.1	46.8

**TABLE 3**  
**METALS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes:**

1 - The Beneficial Use Acceptance Criteria, based on the analytical criteria provided by the Former Allied Signal Site, Elizabeth, NJ.

mg/Kg - milligrams per kilogram = parts per million (ppm)

U - Analyte was not detected at or above the reporting limit.

B - Value obtained from a reading that was less than the Contract Required Detection Limit (CRDL).

N - MS/MSD spike recovery exceeds control limits.

\* - Batch quality control sample exceeds the upper or lower control limits.

\*\* - This interval represents 12-24' below grade. There was a typo during labeling, therefore the lab mis-labeled the sample as 12-14'.

**REMEDIAL INVESTIGATION REPORT  
ANALYTICAL RESULTS FOR THALLIUM**

**TABLE 5D  
METALS IN SOIL  
WEST 61<sup>st</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID	NYSDEC RSCO <sup>1</sup>	Eastern US Background <sup>2</sup>	MW-1(0-2)	MW-1(15-17)	MW-2(0-2)	MW-2(12-14)	B/MW-3(0-2)	B/MW-3(7-9)	MW-4(0-2)
Lab Sample ID			210785-013	210785-014	210785-001	210785-002	210723-004	210723-005	210785-015
Dilution			1	1	5	1	1	1	1
Date Sampled			9/14/2005	9/14/2005	9/12/2005	9/12/2005	9/8/2005	9/8/2005	9/15/2005
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	SB	33,000	3,810 J	9,290 J	4,380 J	11,200 J	3,430 J	6,760 J	1,000 J
Antimony	SB	N/A	1.2 UJ	1.3 UJ	1.4 UJ	1.3 UJ	1.7 UJ	1.4 UJ	1.3 R
Arsenic	7.5 or SB	3-12	7.4 J	4.1 J	16.8	2.3 J	11.3 J	2.7 J	2.5 J
Barium	300 or SB	15-600	864 J	19.6 J	244 J	96.5 J	2,930	114	96.4 R
Beryllium	0.16 or SB	0-1.75	0.51 U	0.56 U	0.61 U	0.61 J	0.75 U	0.63 U	0.56 UJ
Cadmium	1 or SB	0.1-1	2 B	1.1 U	4.2	1.2 U	1.8 J	1.3 U	1.1 U
Calcium	SB	130-35,000	44,300	565	5,510	1,610	91,400	13,100	125,000 *
Chromium	10 or SB	1.5-40	15.8	13	17.2	16.3	18.4	15.3	3.8 J
Cobalt	30 or SB	2.5-60	2.6	7.5	2.4	7.4	2.9 J	10.1	1.9 J
Copper	25 or SB	1-50	30.2	15.2	166	15.6	16.8	29.4	11.5
Iron	2,000 or SB	2,000-550,000	10,800	20,500	23,000	19,300	7,310	17,600	4,940
Lead	SB <sup>3</sup>	200-500 <sup>3</sup>	803	7.7 J	475	18.3	2,980	427	89.2
Magnesium	SB	100-5,000	9,900	3,070	651	3,540	4,690	3,190	82,100
Manganese	SB	50-5,000	187	291	111	314	146	110	135
Mercury	0.1 or SB	0.001-0.2	0.87	0.039 B	0.3	0.058	2.5	0.16	0.013 U
Nickel	13 or SB	0.5-25	18.2	14.7	13.4	17.8	11.4	23.5	9.6 J
Potassium	SB	8,500-43,000	677	386	329	1,220	1,060 J	3,940 J	426 J
Selenium	2 or SB	0.1-3.9	1.6 U	1.8 U	1.9 U	1.9 U	2.4 U	2 U	1.8 U
Silver	SB	N/A	0.32 U	0.36 U	0.53 J	0.37 U	0.48 U	0.4 U	0.36 UJ
Sodium	SB	6,000-8,000	346 J	202 J	352 J	91.6 J	234 J	252 J	210 J
Thallium	150	1-300	1.3 UJ	1.5 UJ	1.6 UJ	1.5 UJ	2 U	1.7 U	1.5 R
Vanadium	SB	N/A	22	15.3	19.7	22.4	11	15.7	24.3 J
Zinc	20 or SB	9-50	565 J	35.3 J	435 J	51.4 J	2,060	469	70.4



**TABLE 5D  
METALS IN SOIL  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID	NYSDEC RSCO <sup>1</sup>	Eastern US Background <sup>2</sup>	MW-4(12-14) 210785-016 1 9/15/2005 mg/Kg	B/MW-5(0-2) 210723-008 1 9/9/2005 mg/Kg	B/MW-5(5-7) 210723-009 1 9/9/2005 mg/Kg	MW-6(2-4) 210941-007 1 9/22/2005 mg/Kg	MW-6(15-17) 210941-008 1 9/22/2005 mg/Kg	MW-7(0-2) 210941-005 5 9/21/2005 mg/Kg	MW-7(6-8) 210941-006 10 9/21/2005 mg/Kg
Lab Sample ID									
Dilution									
Date Sampled									
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	SB	33,000	8,440 J	5,960 J	6,760 J	15,800	10,800	3,840	5,180
Antimony	SB	N/A	1.5 R	1.3 UJ	1.3 UJ	1.5 UJ	1.3 UJ	1.6 UJ	1.3 UJ
Arsenic	7.5 or SB	3-12	3.4 J	3.3 J	1.3 U	5 J	1.8 J	3.7 B	6.3 J
Barium	300 or SB	15-600	96.6 R	93.3	143	214 J	91.9 J	193 J	922 J
Beryllium	0.16 or SB	0-1.75	0.66 UJ	0.57 U	0.55 U	0.64 U	0.58 U	0.69 U	0.57 U
Cadmium	1 or SB	0.1-1	1.3 U	1.1 U	1.1 U	1.3 U	1.2 U	1.4 U	1.1 U
Calcium	SB	130-35,000	2,850	47,200	2,240	68,400	1,280	100,000	67,500
Chromium	10 or SB	1.5-40	13.1 J	11.3	.14	105 R	25.2 R	19 R	21 R
Cobalt	30 or SB	2.5-60	5.7	4.6	6.8	12.9 J	11 J	5 J	5 J
Copper	25 or SB	1-50	18.6	17.4	16	39.8 J	34.8 J	11.9 J	15 J
Iron	2,000 or SB	2,000-550,000	15,600	10,200	15,900	34,500	18,400	16,400	12,300
Lead	SB <sup>3</sup>	200-500 <sup>3</sup>	70.6	56.9	48.3	90.5 J	32.4 J	417 J	292 J
Magnesium	SB	100-5,000	2,670	6,920	3,710	13,900	4,220	5,180	5,030
Manganese	SB	50-5,000	260	306	77.8	511	193	167	158
Mercury	0.1 or SB	0.001-0.2	0.15	0.19	0.072	0.59 J	0.083 J	0.17 J	0.36 J
Nickel	13 or SB	0.5-25	14 J	10.3	17.9	48.6 J	25.2 J	7.4 J	14.6 J
Potassium	SB	8,500-43,000	694 J	2,570 J	4,350 J	7,290 J	2,850 J	984 J	1,800 J
Selenium	2 or SB	0.1-3.9	2.1 U	1.8 U	1.8 U	2.1 U	1.9 U	2.2 U	1.8 U
Silver	SB	N/A	0.42 UJ	0.36 U	0.35 U	0.41 UJ	0.37 UJ	0.44 UJ	0.36 UJ
Sodium	SB	6,000-8,000	105 J	335 J	139 J	676 J	104 J	2,380 J	356 J
Thallium	150	1-300	1.7 UJ	1.5 U	2.8 J	1.7 U	1.5 U	1.8 U	1.5 U
Vanadium	SB	N/A	16.2 J	16.4	14	39.9 J	30.5 J	11.4 J	18.3 J
Zinc	20 or SB	9-50	53.5	84.6	98.5	195 J	58.1 J	210 J	878 J

**TABLE 5D  
METALS IN SOIL  
WEST 61<sup>st</sup> STREET SITE  
NEW YORK, NEW YORK**

<b>Client ID</b>	<b>NYSDEC</b>	<b>Eastern US</b>	<b>MW-8(0-2)</b>	<b>MW-8(13-15)</b>	<b>MW-9(0-2)</b>	<b>MW-9(12-14)</b>	<b>B-10(0.5-2.5)</b>	<b>B-10(15-15.5)</b>	<b>B-11(0-2)</b>
<b>Lab Sample ID</b>	<b>RSCO<sup>1</sup></b>	<b>Background<sup>2</sup></b>	210941-001	210941-002	210785-006	210785-007	210785-017	210785-018	210810-004
<b>Dilution</b>			1	1	1	1	1	1	1
<b>Date Sampled</b>			9/19/2005	9/19/2005	9/13/2005	9/13/2005	9/15/2005	9/15/2005	9/16/2005
<b>Units</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>
Aluminum	SB	33,000	8,500	15,100	5,990 J	6,770 J	5,400 J	8,810 J	2,680 J
Antimony	SB	N/A	1.3 UJ	1.1 UJ	1.6 UJ	1.4 UJ	1.4 R	1.5 R	1.5 UJ
Arsenic	7.5 or SB	3-12	4.4 J	2.5 J	3.2 J	2.7 J	3 J	1.6 U	14.6
Barium	300 or SB	15-600	184 *N	165 J	58.5 J	18.7 J	263 R	109 R	261 J
Beryllium	0.16 or SB	0-1.75	0.57 U	0.46 U	0.68 U	0.63 U	0.59 UJ	0.67 UJ	0.65 U
Cadmium	1 or SB	0.1-1	1.1 U	0.93 U	1.4 U	1.3 U	1.2 U	1.3 U	7.7
Calcium	SB	130-35,000	42,500	5,730	86,600	1,100	56,200	2,530	9,240
Chromium	10 or SB	1.5-40	27.6 R	107 R	17.1	9	10.4 J	13.1 J	11.2
Cobalt	30 or SB	2.5-60	3.9 J	12.5 J	3.8	6.5	2.6	5.9	26.3
Copper	25 or SB	1-50	13.9 J	33.8 J	17	27.4	11.1	17.1	116
Iron	2,000 or SB	2,000-550,000	12,800	34,900	15,900	14,300	6,590	15,400	8,770
Lead	SB <sup>3</sup>	200-500 <sup>3</sup>	510 J	133 J	6 J	6 J	277	85.1	364
Magnesium	SB	100-5,000	3,320	7,500	5,210	2,960	3,800	2,540	632
Manganese	SB	50-5,000	200	402	209	340	179	278	117
Mercury	0.1 or SB	0.001-0.2	1.5 J	0.099 J	0.015 U	0.018 J	0.14	0.46	0.12
Nickel	13 or SB	0.5-25	10.4 J	30.9 J	7.9	15.8	8.6 J	12.5 J	34.4
Potassium	SB	8,500-43,000	932 J	7,560 J	681	369	753 J	470 J	248 J
Selenium	2 or SB	0.1-3.9	1.8 U	1.7 J	2.2 U	2 U	1.9 U	2.1 U	2.1 U
Silver	SB	N/A	0.36 UJ	0.3 UJ	0.44 U	0.41 U	0.38 UJ	0.43 U	0.41 U
Sodium	SB	6,000-8,000	900 J	308 J	823 J	35.5 J	679 J	182 J	274 J
Thallium	150	1-300	1.5 U	2.2 J	1.8 UJ	1.7 UJ	1.6 UJ	1.8 UJ	1.7 UJ
Vanadium	SB	N/A	17.4 J	48 J	17.4	10.9	12.1 J	14.9 J	13.7
Zinc	20 or SB	9-50	155 J	1,440 J	48 J	30.6 J	276	47.3	812 J

**TABLE 5D  
METALS IN SOIL  
WEST 61<sup>st</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID	NYSDEC	Eastern US	B-11(12-14)	B-11(25-27)	B-12(0-2)	B-12(2-4)	B-12(11-13)	B-13(0-2)	B-13(6-8)	B-14(0-2)
Lab Sample ID	RSCO <sup>1</sup>	Background <sup>2</sup>	210810-005	210810-006	210723-001	210723-002	210723-003	210723-010	210723-011	210941-011
Dilution			1	1	5	2	1	10	1	10
Date Sampled			9/16/2005	9/16/2005	9/8/2005	9/8/2005	9/8/2005	9/9/2005	9/9/2005	9/23/2005
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	SB	33,000	10,900 J	9,160 J	6,030 J	<b>5,340 J</b>	8,620 J	4,080 J	6,210 J	7,940
Antimony	SB	N/A	1.2 UJ	1.5 UJ	5.2 J	1.3 UJ	3.3 J	1.6 UJ	1.5 UJ	1.5 UJ
Arsenic	7.5 or SB	3-12	4.6 J	4.7 J	<b>16.6</b>	10.1	4.2 J	<b>12.9</b>	5 J	5.5 J
Barium	300 or SB	15-600	130 J	285 J	<b>817</b>	387	<b>4,100</b>	<b>1,450</b>	<b>982</b>	314 J
Beryllium	0.16 or SB	0-1.75	0.54 U	0.66 U	0.71 U	0.55 U	0.56 U	0.71 U	0.64 U	0.64 U
Cadmium	1 or SB	0.1-1	1.1 U	1.3 U	<b>14.5</b>	1.1 U	<b>6.1</b>	1.4 U	1.3 U	1.3 U
Calcium	SB	130-35,000	24,000	8,490	<b>44,300</b>	20,000	27,800	<b>45,700</b>	<b>64,700</b>	<b>78,600</b>
Chromium	10 or SB	1.5-40	19.1	26.9	32.9	17.7	22.3	12.2	12.9	<b>53.6 R</b>
Cobalt	30 or SB	2.5-60	8.7	10.9	3.8	5.5	9	4.1	5.9	6.5 J
Copper	25 or SB	1-50	<b>54.3</b>	33.8	<b>297</b>	128	<b>69.6</b>	24.5	29.9	44.3 J
Iron	2,000 or SB	2,000-550,000	19,400	23,000	13,000	34,500	20100	15,800	13,200	14,200
Lead	SB <sup>3</sup>	200-500 <sup>3</sup>	<b>672</b>	153	<b>1,500</b>	<b>1,760</b>	<b>786</b>	<b>821</b>	498	423 J
Magnesium	SB	100-5,000	4,520	3,920	4690	<b>5,400</b>	<b>5,960</b>	3,130	<b>7,270</b>	<b>5,770</b>
Manganese	SB	50-5,000	418	281	167	393	275	302	319	197
Mercury	0.1 or SB	0.001-0.2	<b>0.43</b>	0.02 J	<b>0.27</b>	0.34	0.18	<b>0.54</b>	<b>0.33</b>	0.11 J
Nickel	13 or SB	0.5-25	19.5	21.7	18.2	15.4	22.3	24.2	14	12.5 J
Potassium	SB	8,500-43,000	2,250	1,910	604 J	1,210 J	6,820 J	1,000 J	2,310 J	1,680 J
Selenium	2 or SB	0.1-3.9	1.7 U	2.1 U	2.4 J	1.8 U	1.8 U	2.3 U	2 U	2.1 U
Silver	SB	N/A	0.34 U	0.42 U	1.1 J	0.61 J	0.36 U	0.46 U	0.41 U	0.41 UJ
Sodium	SB	6,000-8,000	212 J	152 J	465 J	294 J	310 J	353 J	364 J	1,230 J
Thallium	150	1-300	1.4 UJ	1.7 UJ	1.9 U	1.5 U	1.5 U	1.9 U	1.7 U	1.7 U
Vanadium	SB	N/A	25.6	18.6	24.1	17.1	26.2	22.8	16.2	21.2 J
Zinc	20 or SB	9-50	<b>87.7 J</b>	<b>183 J</b>	<b>1,100</b>	<b>284</b>	<b>1,740</b>	<b>809</b>	<b>1,070</b>	<b>442 J</b>

**TABLE 5D**  
**METALS IN SOIL**  
**WEST 61<sup>st</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	NYSDEC	Eastern US	B-14(15-17)	B-14(20-22)	B-15(0-2)	B-15(13-13.5)	B-16(0-2)	B-16(10-12)	B-16(24-26)
Lab Sample ID	RSCO <sup>1</sup>	Background <sup>2</sup>	210941-012	210941-013	210941-003	210941-004	210785-008	210785-011	210785-012
Dilution			1	1	1	1	1	1	1
Date Sampled			9/23/2005	9/23/2005	9/19/2005	9/19/2005	9/14/2005	9/14/2005	9/14/2005
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	SB	33,000	8,340	9,110	8,050	11,400	6,140 J	7,960 J	12,900 J
Antimony	SB	N/A	1.3 UJ	1.3 UJ	1.3 UJ	1.2 UJ	1.3 UJ	1.1 UJ	1.4 UJ
Arsenic	7.5 or SB	3-12	1.4 U	3.1 J	5.5 J	4.6 J	9.6	3.7 J	2.4 J
Barium	300 or SB	15-600	103	87.4	166 J	102 J	139 J	99.9 J	75.7 J
Beryllium	0.16 or SB	0-1.75	0.57 U	0.73 J	0.57 U	0.53 U	0.57 U	0.49 U	0.61 U
Cadmium	1 or SB	0.1-1	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	0.97 U	1.2 U
Calcium	SB	130-35,000	4,970 J	2,830	<b>62,300</b>	11,700	<b>52,200</b>	9,350	1,750
Chromium	10 or SB	1.5-40	<b>179</b>	14.2	27 R	17.3 R	20.4	17.5	25.2
Cobalt	30 or SB	2.5-60	10	9	6 J	8.6 J	3.5	6.2	12.6
Copper	25 or SB	1-50	<b>67.8</b>	12.8	22.1 J	14.4 J	21.5	27.1	20.1
Iron	2,000 or SB	2,000-550,000	37,300	13,800	17,400	28,800	13,700	15,900	28,400
Lead	SB <sup>3</sup>	200-500 <sup>3</sup>	20.6	31.8	232 J	7.7 J	84.2	134	27
Magnesium	SB	100-5,000	4,410	1,640	3,970	3,320	4,790	3,250	<b>5,240</b>
Manganese	SB	50-5,000	301	293	193	1,020	178	240	314
Mercury	0.1 or SB	0.001-0.2	0.064 J	0.11 J	0.13 J	0.021 J	0.087	<b>0.7</b>	0.051
Nickel	13 or SB	0.5-25	21.2	18.2	11.6 J	17 J	14.1	13.7	22
Potassium	SB	8,500-43,000	5,550 J	360 J	1,140 J	726 J	1,260	1,530	2,240
Selenium	2 or SB	0.1-3.9	1.8 UJ	1.9 UJ	1.8 U	1.7 U	1.8 U	1.6 U	1.9 U
Silver	SB	N/A	0.37 U	0.38 U	0.37 UJ	0.34 U	0.36 U	0.31 U	0.39 U
Sodium	SB	6,000-8,000	169 J	108 J	809 J	224 J	1,000 J	221 J	216 J
Thallium	150	1-300	1.5 R	1.6 R	1.5 U	2.2 J	1.5 UJ	1.3 UJ	1.6 UJ
Vanadium	SB	N/A	25	16	35.4 J	21.1 J	20.6	20.1	30.2
Zinc	20 or SB	9-50	<b>90.9 J</b>	<b>49.9 J</b>	<b>127 J</b>	35.9 J	<b>103 J</b>	<b>118 J</b>	<b>56 J</b>

**TABLE 5D**  
**METALS IN SOIL**  
**WEST 61<sup>st</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	NYSDEC RSCO <sup>1</sup>	Eastern US Background <sup>2</sup>	B-17(0-2)	B-17(14-16)	B-17(18-20)	B-18(0-2)	B-18(14.5-16.5)	B-18(28-30)
Lab Sample ID			210810-001	210810-002	210810-003	210785-003	210785-004	210785-005
Dilution			1	1	1	5	1	1
Date Sampled			9/16/2005	9/16/2005	9/16/2005	9/12/2005	9/12/2005	9/12/2005
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	SB	33,000	3,070 J	2,950 J	<b>46,600 J</b>	7,240 J	7,390 J	7,170 J
Antimony	SB	N/A	1 UJ	1.2 UJ	1.3 UJ	1.3 UJ	1.6 UJ	1.1 UJ
Arsenic	7.5 or SB	3-12	1.8 J	7.7 J	3.5 J	3.8 J	1.7 U	1.6 J
Barium	300 or SB	15-600	27.7 J	<b>936 J</b>	278 J	119 J	62.5 J	36.2 J
Beryllium	0.16 or SB	0-1.75	0.46 U	0.54 U	0.58 U	0.56 U	0.69 U	0.69 J
Cadmium	1 or SB	0.1-1	0.92 U	<b>1.2 J</b>	<b>3.2 J</b>	1.1 U	1.4 U	0.96 U
Calcium	SB	130-35,000	27,200	<b>66,100</b>	5,180	<b>55,400</b>	1,170	870
Chromium	10 or SB	1.5-40	7.6	15.1	<b>278</b>	15.1	12.1	13.9
Cobalt	30 or SB	2.5-60	2.9	2.8	38	4.5	6	11.7
Copper	25 or SB	1-50	15.2	17	28.5	26.8	14.2	22.2
Iron	2,000 or SB	2,000-550,000	6,480	6,380	70,600	11,800	13,100	22,800
Lead	SB <sup>3</sup>	200-500 <sup>3</sup>	27.9	<b>2,580</b>	18.9	88.2	25.6	6.8 J
Magnesium	SB	100-5,000	<b>6,560</b>	1,970	<b>38,700</b>	4,980	2,440	3,390
Manganese	SB	50-5,000	196	147	1,420	177	150	402
Mercury	0.1 or SB	0.001-0.2	0.077	<b>0.81</b>	0.029 J	0.096	<b>0.21</b>	0.013 U
Nickel	13 or SB	0.5-25	6.9	14.1	<b>135</b>	12.9	19.6	<b>25.3</b>
Potassium	SB	8,500-43,000	499	726	20,200	1,660	564	1,480
Selenium	2 or SB	0.1-3.9	1.5 U	1.7 U	1.9 U	1.8 U	2.2 U	1.5 U
Silver	SB	N/A	0.29 U	0.35 U	0.37 U	0.36 U	0.44 U	0.31 U
Sodium	SB	6,000-8,000	132 J	560 J	1,580 J	582 J	72.9 J	98.1 J
Thallium	150	1-300	1.2 UJ	1.4 UJ	1.5 UN	1.5 UJ	1.8 UJ	1.3 UJ
Vanadium	SB	N/A	13.7	10	<b>165 R</b>	21.7	13.3	12.8
Zinc	20 or SB	9-50	43.9 J	<b>461 J</b>	<b>125 J</b>	<b>310 J</b>	38.2 J	<b>68.6 J</b>

**TABLE 5D**  
**METALS IN SOIL**  
**WEST 61<sup>st</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes:**

1 - Recommended Soil Clean-up Objectives listed in NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046

2 - From TAGM #4046 (exceedances indicated in bold).

3 - Background levels for lead vary widely. Average background levels in metropolitan or suburban areas or near highways typically range from 200-500 ppm.

SB - Site Background

mg/kg - milligrams per kilogram = parts per million (ppm)

U - Compound not detected.

B - Value obtained from a reading that was less than the Contract Required Detection Limit (CRDL).

N - MS/MSD spike recovery exceeds control limits.

N/A - Not Available.

**UJ** - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

**U** - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

**J** - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

**R** - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

(Letters in bold indicate updated qualifiers based on the data usability report provided by Environmental Data Services Inc.)

**TABLE 4**  
**PESTICIDES IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-20(0-6) 212603-014 1 4/10/2006 µg/Kg	B-21(0-6) 212603-012 1 4/10/2006 µg/Kg	B-22(0-6) 212603-010 1 4/10/2006 µg/Kg	B-23(0-6) 212655-006 1 4/13/2006 µg/Kg	B-24(0-6) 212655-008 1 4/13/2006 µg/Kg	B-24(6-12) 212655-010 1 4/13/2006 µg/Kg
alpha-BHC	NS	0.32 U	0.32 U	0.31 U	3.6 J	0.75 J	0.32 U
beta-BHC	NS	0.31 U	0.32 U	0.31 U	0.31 U	0.31 U	2.6 M
delta-BHC	NS	0.12 U	0.12 U	0.12 U	3.6 J	0.12 U	0.48 JM
gamma-BHC (Lindane)	2,200	0.18 U	0.18 U	0.17 U	1.7 U	0.17 U	0.18 U
Heptachlor	650	0.17 U	0.18 U	0.17 U	0.87 J	2	0.17 U
Aldrin	170	0.41 U	0.42 U	0.41 U	0.41 U	1.1 J	0.99 JM
Heptachlor epoxide	NS	0.85 J	1.2 J	0.27 JM	3.2 J	0.13 U	0.13 U
Endosulfan I	6,200,000*	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Dieldrin	180	0.37 U	0.38 U	0.37 U	3.6 U	0.37 U	0.37 U
4 4'-DDE	9,000	14	16	4.8 M	1.9 J	0.49 U	0.5 U
Endrin	310,000	1 U	1 U	1 U	1 U	1 U	1.7 JM
Endosulfan II	6,200,000*	6.2	0.2 U	0.19 U	1.9 U	1.7 J	1.1 JM
4 4'-DDD	12,000	0.44 U	0.45 U	2.1 JM	2.5 JM	1.6 J	4.3 M
Endosulfan sulfate	NS	7.1	9.1	1.8 J	2 U	0.2 U	0.2 U
4 4'-DDT	9,000	3.2 J	0.36 U	8.6 M	2.1 J	5.4 M	3.4 JM
Methoxychlor	5,200,000	22	45 M	6.8 J	24 U	2.4 U	2.4 U
Toxaphene	200	5.6 U	5.7 U	5.5 U	55 U	5.5 U	5.6 U
Endrin aldehyde	NS	0.37 U	0.38 U	0.37 U	0.37 U	3.6 JM	0.37 U
Chlordane	NS	0.81 U	0.82 U	0.8 U	0.8 U	0.8 U	0.81 U

**TABLE 4**  
**PESTICIDES IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-25(0-6) 212603-016 1 4/12/2006 µg/Kg	B-25(6-12) 212603-018 1 4/12/2006 µg/Kg	B-25(12-18) 212603-020 1 4/12/2006 µg/Kg	B-26(6-20) 212481-003 1 3/28/2006 µg/Kg	B-26(20-26) 212481-004 1 3/28/2006 µg/Kg	B-27(0-10) 212429-016 1 3/23/2006 µg/Kg	B-27(10-20) 212429-018 1 3/23/2006 µg/Kg
alpha-BHC	NS	0.32 U	0.31 U	0.29 U	0.33 U	0.31 U	0.31 U	0.33 U
beta-BHC	NS	0.32 U	0.3 U	0.28 U	0.32 U	0.31 U	0.31 U	0.32 U
delta-BHC	NS	0.12 U	0.11 U	0.11 U	0.12 U	0.12 JM	0.12 U	0.12 U
gamma-BHC (Lindane)	2,200	0.18 U	0.17 U	0.16 U	0.18 U	0.17 U	0.17 U	0.18 U
Heptachlor	650	0.18 U	0.17 U	0.16 U	0.18 U	0.17 U	0.77 J	0.18 U
Aldrin	170	0.42 U	0.4 U	0.37 U	0.43 U	0.41 U	0.4 U	0.43 U
Heptachlor epoxide	NS	0.13 U	1.2 JM	0.12 U	0.14 U	0.13 U	0.13 U	0.14 U
Endosulfan I	6,200,000*	0.17 U	0.16 U	0.15 U	0.18 U	0.17 U	0.58 J	0.18 U
Dieldrin	180	0.38 U	0.36 U	0.34 U	0.39 U	0.37 U	0.37 U	0.39 U
4 4'-DDE	9,000	6.6 M	23	1.4 J	0.52 U	0.5 U	0.49 U	0.52 U
Endrin	310,000	1 U	0.99 U	0.94 U	1.1 U	1 U	1 U	1.1 U
Endosulfan II	6,200,000*	0.2 U	10	0.18 U	0.57 J	0.19 U	0.19 U	0.21 U
4 4'-DDD	12,000	0.45 U	0.42 U	0.4 U	0.46 U	0.44 U	0.43 U	0.46 U
Endosulfan sulfate	NS	2.4 J	17	0.57 J	0.21 U	0.2 U	9.5	0.21 U
4 4'-DDT	9,000	4.3 M	0.34 U	0.33 U	0.37 U	0.58 J	0.35 U	0.37 U
Methoxychlor	5,200,000	7.6 J	78 M	2.2 U	2.6 U	2.4 U	40	2.6 U
Toxaphene	200	5.7 U	5.4 U	5.1 U	5.8 U	5.5 U	5.5 U	5.8 U
Endrin aldehyde	NS	0.38 U	0.36 U	0.34 U	0.39 U	0.37 U	0.37 U	0.39 U
Chlordane	NS	0.82 U	0.78 U	0.74 U	0.85 U	0.8 U	0.8 U	0.85 U



**TABLE 4**  
**PESTICIDES IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-27(20-30) 212429-020 1 3/23/2006 µg/Kg	B-28(0-15) 212429-004 1 3/22/2006 µg/Kg	B-28(15-30) 212429-001 1 3/22/2006 µg/Kg	B-29(6-16) 212481-011 1 3/28/2006 µg/Kg	B-29(16-24) 212481-013 1 3/28/2006 µg/Kg	B-30(0-10) 212454-002 1 3/24/2006 µg/Kg	B-30(10-18) 212454-004 1 3/24/2006 µg/Kg
alpha-BHC	NS	0.32 U	0.31 U	0.32 U	0.32 U	0.34 U	0.3 U	0.33 U
beta-BHC	NS	0.32 U	0.31 U	0.31 U	1.1 J	0.33 U	0.31 J	0.32 U
delta-BHC	NS	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.26 J	0.16 J
gamma-BHC (Lindane)	2,200	0.18 U	0.17 U	0.18 U	0.18 U	0.19 U	0.17 U	0.18 U
Heptachlor	650	0.18 U	0.17 U	0.18 U	0.18 U	0.19 U	0.35 J	0.18 U
Aldrin	170	0.42 U	0.4 U	0.42 U	0.42 U	0.44 U	0.84 J	0.42 U
Heptachlor epoxide	NS	0.13 U	0.13 U	0.13 U	0.13 U	0.14 U	0.68 J	0.14 U
Endosulfan I	6,200,000*	0.17 U	0.17 U	0.17 U	0.17 U	0.18 U	0.16 U	0.21 J
Dieldrin	180	0.38 U	0.37 U	0.37 U	0.38 U	0.4 U	1.2 J	0.38 U
4 4'-DDE	9,000	0.51 U	0.49 U	0.51 U	0.51 U	0.54 U	0.63 J	0.52 U
Endrin	310,000	1 U	1 U	1 U	1.1 U	1.1 U	0.98 U	1.1 U
Endosulfan II	6,200,000*	0.2 U	0.29 J	0.2 U	0.66 J	0.21 U	0.53 J	0.45 J
4 4'-DDD	12,000	0.45 U	0.43 U	0.44 U	0.45 U	0.47 U	2.7 J	1.6 J
Endosulfan sulfate	NS	0.2 U	0.2 U	0.2 U	2.3 JM	0.21 U	0.19 U	0.21 U
4 4'-DDT	9,000	0.36 U	13	0.36 U	0.36 U	0.38 U	1.4 J	0.88 J
Methoxychlor	5,200,000	2.5 U	17 J	2.5 U	22 M	2.6 U	2.3 U	2.5 U
Toxaphene	200	5.7 U	5.5 U	5.6 U	5.7 U	6 U	5.3 U	5.7 U
Endrin aldehyde	NS	0.38 U	12	0.38 U	0.38 U	0.4 U	2 J	1.3 J
Chlordane	NS	0.82 U	0.8 U	0.82 U	0.83 U	0.87 U	0.77 U	0.83 U

**TABLE 4**  
**PESTICIDES IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-31(0-16) 212429-006 5 3/22/2006 µg/Kg	B-31(16-25) 212429-008 1 3/22/2006 µg/Kg	B-32(0-14) 212429-010 1 3/23/2006 µg/Kg	B-32(14-20) 212429-012 1 3/23/2006 µg/Kg	B-32(20-30) 212429-014 1 3/23/2006 µg/Kg	B-33(0-12) 212481-015 1 3/29/2006 µg/Kg	B-33(12-14)** 212481-017 1 3/29/2006 µg/Kg
alpha-BHC	NS	1.6 U	0.34 U	0.32 U	0.33 U	0.34 U	1.1 J	0.33 U
beta-BHC	NS	1.5 U	0.33 U	0.31 U	0.32 U	0.33 U	0.3 U	0.32 U
delta-BHC	NS	0.59 U	0.13 U	0.12 U	0.12 U	0.13 U	0.11 U	0.12 U
gamma-BHC (Lindane)	2,200	0.86 U	0.19 U	0.17 U	0.18 U	0.19 U	0.17 U	0.18 U
Heptachlor	650	0.85 U	0.18 U	0.17 U	0.18 U	0.18 U	0.74 JM	0.18 U
Aldrin	170	2 U	0.44 U	0.41 U	0.42 U	0.43 U	2.6 M	0.43 U
Heptachlor epoxide	NS	0.65 U	0.14 U	0.13 U	0.13 U	0.14 U	2.3	0.14 U
Endosulfan I	6,200,000*	0.84 U	0.18 U	0.17 U	0.17 U	0.18 U	1.2 J	0.18 U
Dieldrin	180	1.8 U	0.39 U	0.37 U	0.38 U	0.39 U	7.3	0.38 U
4 4'-DDE	9,000	2.5 U	0.53 U	0.5 U	0.51 U	0.53 U	5.4 M	0.52 U
Endrin	310,000	5.1 U	1.1 U	1 U	1.1 U	1.1 U	0.99 U	1.1 U
Endosulfan II	6,200,000*	0.97 U	0.21 U	0.51 J	0.2 U	0.21 U	1 J	0.2 U
4 4'-DDD	12,000	2.2 U	0.47 U	0.44 U	0.45 U	0.47 U	20	0.46 U
Endosulfan sulfate	NS	1.7 J	0.21 U	0.2 U	0.2 U	0.21 U	1.2 JM	0.21 U
4 4'-DDT	9,000	1.8 U	0.38 U	1.5 J	1 J	0.38 U	3.1 JM	0.37 U
Methoxychlor	5,200,000	12 U	2.6 U	2.4 U	2.5 U	2.6 U	2.4 U	2.5 U
Toxaphene	200	27 U	5.9 U	5.5 U	5.7 U	5.9 U	5.4 U	5.8 U
Endrin aldehyde	NS	1.8 U	0.39 U	2.3 J	0.38 U	0.39 U	5.1	0.39 U
Chlordane	NS	4 U	0.86 U	0.8 U	0.83 U	0.86 U	0.78 U	0.84 U

**TABLE 4**  
**PESTICIDES IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-34(0-10) 212454-007 1 3/24/2006 µg/Kg	B-34(10-24) 212454-009 1 3/24/2006 µg/Kg	B-35(0-10) 212454-011 1 3/24/2006 µg/Kg	B-35(10-20) 212454-013 1 3/24/2006 µg/Kg	B-35(20-28) 212454-015 1 3/24/2006 µg/Kg	B-36(0-10) 212454-017 1 3/27/2006 µg/Kg	B-36(10-18) 212454-019 1 3/27/2006 µg/Kg	B-36(18-30) 212481-001 1 3/27/2006 µg/Kg
alpha-BHC	NS	5.3	0.33 U	1.2 J	0.33 U	0.32 U	10	0.62 J	0.33 U
beta-BHC	NS	1.4 J	0.42 J	0.31 U	1.3 J	0.45 J	0.3 U	0.32 U	0.32 U
delta-BHC	NS	1.5 J	0.2 J	0.38 J	0.31 J	0.12 J	2.3	0.12 U	0.12 U
gamma-BHC (Lindane)	2,200	0.19 U	0.18 U	0.18 U	0.18 U	0.18 U	0.17 U	0.18 U	0.18 U
Heptachlor	650	0.87 J	0.18 U	0.49 J	0.76 J	0.36 J	1.2 J	0.18 U	0.18 U
Aldrin	170	2.2 J	0.42 U	0.41 U	0.42 U	0.6 J	1.6 J	0.42 U	0.42 U
Heptachlor epoxide	NS	4.4	0.21 J	3.2	2.1	0.15 J	0.42 J	0.13 U	0.14 U
Endosulfan I	6,200,000*	1.6 J	0.17 U	0.17 U	0.39 J	0.17 U	0.61 J	0.17 U	0.17 U
Dieldrin	180	5.5	1.8 J	18	7.2	0.62 J	2.8 J	0.38 U	0.38 U
4 4'-DDE	9,000	29	0.67 J	2.5 J	1.4 J	0.51 U	3.6 J	0.51 U	0.52 U
Endrin	310,000	1.1 U	1.1 U	5.3 J	4.7 J	1 U	0.99 U	1 U	1.1 U
Endosulfan II	6,200,000*	2 J	0.63 J	1.3 J	2.1 J	0.86 J	0.23 J	0.2 U	0.2 U
4 4'-DDD	12,000	25	1.1 J	8.9	13	0.96 J	3.8	0.45 U	0.45 U
Endosulfan sulfate	NS	0.21 U	0.79 J	0.2 U	1.6 J	0.2 U	0.44 J	0.2 U	0.21 U
4 4'-DDT	9,000	25	3.2 J	77	12	0.95 J	8.2	0.36 U	1.4 J
Methoxychlor	5,200,000	2.6 U	2.5 U	2.5 U	2.5 U	2.5 U	2.4 U	2.5 U	2.5 U
Toxaphene	200	6 U	5.7 U	5.6 U	5.7 U	5.6 U	5.4 U	5.7 U	5.7 U
Endrin aldehyde	NS	2.7 J	3.4 J	2.8 J	26	0.89 J	0.36 U	0.38 U	0.38 U
Chlordane	NS	0.87 U	0.83 U	0.81 U	0.83 U	0.82 U	0.78 U	0.82 U	0.83 U

**TABLE 4**  
**PESTICIDES IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-37(0-12) 212481-019 1 3/29/2006 µg/Kg	B-37(12-24) 212499-001 1 3/29/2006 µg/Kg	B-38(0-10) 212481-007 1 3/27/2006 µg/Kg	B-38(10-18) 212481-009 1 3/27/2006 µg/Kg	B-39(12-24) 212655-012 1 4/13/2006 µg/Kg	B-40(0-10) 212499-012 1 3/30/2006 µg/Kg
alpha-BHC	NS	3	0.32 U	1.1 JM	0.32 U	0.35 J	0.82 JM
beta-BHC	NS	0.3 U	0.31 U	1.2 J	0.32 J	0.59 JM	0.72 JM
delta-BHC	NS	0.11 U	0.12 U	0.11 U	0.12 U	0.12 U	0.3 JM
gamma-BHC (Lindane)	2,200	0.17 U	0.18 U	0.16 U	0.18 U	0.18 U	0.16 U
Heptachlor	650	0.17 U	0.17 U	0.16 U	0.18 U	0.18 U	0.16 U
Aldrin	170	0.39 U	0.41 U	0.53 J	0.42 U	0.42 U	0.38 U
Heptachlor epoxide	NS	0.13 U	0.13 U	0.45 J	0.16 J	0.13 U	0.5 J
Endosulfan I	6,200,000*	0.16 U	0.17 U	0.15 U	0.17 U	0.17 U	0.16 U
Dieldrin	180	0.37 JM	0.37 U	2 J	0.87 J	0.88 J	0.35 U
4 4'-DDE	9,000	0.48 U	0.5 U	0.45 U	0.51 U	0.51 U	2.1 JM
Endrin	310,000	0.99 U	1 U	0.92 U	1 U	1.1 U	0.96 U
Endosulfan II	6,200,000*	0.78 JM	0.2 U	0.96 J	0.2 U	0.88 J	0.18 U
4 4'-DDD	12,000	0.42 U	0.44 U	1 JM	0.9 J	1 J	1.2 JM
Endosulfan sulfate	NS	1.3 JM	0.2 U	0.18 U	0.2 U	0.2 U	3.8 M
4 4'-DDT	9,000	0.34 U	0.36 U	4.7	1.3 J	1.6 J	8.9
Methoxychlor	5,200,000	4.4 JM	2.5 U	2.2 U	2.5 U	2.5 U	13 J
Toxaphene	200	5.4 U	5.6 U	5 U	5.7 U	5.7 U	5.2 U
Endrin aldehyde	NS	0.36 U	0.38 U	1.4 J	0.38 U	2.4 J	1.9 JM
Chlordane	NS	0.78 U	0.81 U	0.73 U	0.82 U	0.83 U	0.76 U

**TABLE 4**  
**PESTICIDES IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-40(10-20) 212499-014 1 3/30/2006 µg/Kg	B-40(20-32) 212499-016 1 3/30/2006 µg/Kg	B-41(0-10) 212499-007 2 3/30/2006 µg/Kg	B-41(10-20) 212499-008 1 3/30/2006 µg/Kg	B-41(20-30) 212499-017 1 3/30/2006 µg/Kg	B-42(0-12) 212499-003 5 3/29/2006 µg/Kg
alpha-BHC	NS	0.33 U	0.3 U	11 M	0.7 JM	0.33 U	1.6 U
beta-BHC	NS	0.32 U	0.29 U	1.3 JM	0.31 U	0.32 U	3.7 J
delta-BHC	NS	0.12 U	0.11 U	0.51 JM	0.13 J	0.12 U	0.58 U
gamma-BHC (Lindane)	2,200	0.18 U	0.17 U	0.35 U	0.17 U	0.18 U	0.86 U
Heptachlor	650	0.18 U	0.16 U	0.77 JM	0.17 U	0.18 U	0.85 U
Aldrin	170	0.43 U	0.39 U	0.83 U	0.41 U	0.42 U	2 U
Heptachlor epoxide	NS	0.14 U	0.12 U	0.26 U	0.13 U	0.14 U	0.65 U
Endosulfan I	6,200,000*	0.18 U	0.16 U	0.34 U	0.17 U	0.17 U	0.83 U
Dieldrin	180	0.39 U	0.35 U	0.75 U	0.37 U	0.38 U	7.6 J
4 4'-DDE	9,000	0.52 U	0.47 U	1 U	1.1 J	0.52 U	2.5 U
Endrin	310,000	1.1 U	0.97 U	2.1 U	1 U	1.1 U	5.1 U
Endosulfan II	6,200,000*	0.2 U	0.19 U	0.39 U	0.2 U	0.2 U	0.96 U
4 4'-DDD	12,000	0.46 U	0.42 U	2.7 JM	0.44 U	0.45 U	2.2 U
Endosulfan sulfate	NS	0.21 U	0.19 U	1.8 JM	0.2 U	0.21 U	2.6 JM
4 4'-DDT	9,000	0.37 U	0.34 U	0.72 U	0.36 U	0.37 U	1.8 U
Methoxychlor	5,200,000	2.5 U	2.3 U	4.9 U	2.4 U	2.5 U	12 U
Toxaphene	200	5.8 U	5.3 U	11 U	5.6 U	5.8 U	27 U
Endrin aldehyde	NS	0.39 U	0.35 U	1.9 JM	0.37 U	0.38 U	43 M
Chlordane	NS	0.84 U	0.77 U	1.6 U	0.81 U	0.83 U	4 U

**TABLE 4**  
**PESTICIDES IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-42(12-22) 212499-005 1 3/29/2006 µg/Kg	B-43(14-24) 212499-019 1 4/3/2006 µg/Kg	B-44(14-24) 212499-020 1 4/3/2006 µg/Kg	B-47(0-10) 212603-008 1 4/10/2006 µg/Kg	B-39(0-12) 212571-013 1 4/5/2006 µg/Kg	DUPLICATE 212571-014 1 4/5/2006 µg/Kg
alpha-BHC	NS	0.32 U	0.34 U	0.32 U	0.31 U	0.32 U	0.32 U
beta-BHC	NS	0.31 U	0.33 U	0.32 U	0.3 U	0.31 U	0.31 U
delta-BHC	NS	0.12 U	0.13 JM	0.12 U	0.11 U	0.12 U	0.12 U
gamma-BHC (Lindane)	2,200	0.18 U	0.19 U	0.18 U	0.17 U	0.18 U	0.18 U
Heptachlor	650	0.17 U	0.18 U	0.18 U	0.17 U	0.17 U	0.17 U
Aldrin	170	0.41 U	0.44 U	0.42 U	0.4 U	0.41 U	0.41 U
Heptachlor epoxide	NS	0.13 U	0.14 U	0.13 U	7	0.79 JM	0.78 J
Endosulfan I	6,200,000*	0.17 U	0.18 U	0.17 U	0.16 U	0.17 U	0.17 U
Dieldrin	180	0.37 U	0.39 U	0.38 U	0.36 U	0.37 U	0.37 U
4 4'-DDE	9,000	0.5 U	0.53 U	0.51 U	56 M	17	21 M
Endrin	310,000	1 U	1.1 U	1 U	3.9 J	2.4 JM	1 U
Endosulfan II	6,200,000*	0.2 U	0.21 U	0.2 U	5.7 M	6.4	9.6
4 4'-DDD	12,000	0.44 U	0.47 U	0.45 U	0.43 U	0.44 U	0.44 U
Endosulfan sulfate	NS	0.2 U	0.21 U	0.2 U	45 M	9.2	12
4 4'-DDT	9,000	0.36 U	0.38 U	0.36 U	0.34 U	14	16
Methoxychlor	5,200,000	2.5 U	2.6 U	2.5 U	2.4 U	2.5 U	2.4 U
Toxaphene	200	5.6 U	5.9 U	5.7 U	5.4 U	5.6 U	5.6 U
Endrin aldehyde	NS	0.38 U	0.4 U	0.38 U	0.36 U	0.37 U	0.37 U
Chlordane	NS	0.81 U	0.86 U	0.82 U	0.78 U	0.81 U	0.81 U

**TABLE 4**  
**PESTICIDES IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-45(6-18) 212571-002 1 4/3/2006 µg/Kg	B-46(6-14) 212571-004 1 4/4/2006 µg/Kg	B-48(0-10) 212571-015 2 4/6/2006 µg/Kg	B-49(0-10) 212571-011 1 4/5/2006 µg/Kg	B-50(0-14) 212571-018 2 4/6/2006 µg/Kg	B-51(0-12) 212571-007 1 4/4/2006 µg/Kg
alpha-BHC	NS	0.28 U	0.3 U	0.63 U	0.36 U	0.62 U	0.32 U
beta-BHC	NS	0.28 U	0.29 U	0.62 U	0.35 U	0.61 U	0.31 U
delta-BHC	NS	0.11 U	0.11 U	0.24 U	1 JM	0.23 U	0.12 U
gamma-BHC (Lindane)	2,200	0.16 U	0.16 U	0.35 U	0.2 U	0.34 U	0.17 U
Heptachlor	650	0.16 U	0.16 U	0.34 U	0.19 U	11 M	0.17 U
Aldrin	170	0.37 U	0.39 U	0.82 U	0.46 U	3.7 JM	0.41 U
Heptachlor epoxide	NS	1.1 JM	0.57 J	1.8 JM	0.15 U	0.26 U	0.13 U
Endosulfan I	6,200,000*	0.15 U	0.16 U	0.34 U	0.19 U	0.33 U	0.17 U
Dieldrin	180	0.33 U	0.35 U	0.74 U	0.42 U	0.73 U	0.37 U
4 4'-DDE	9,000	12	6.6	27	0.56 U	13	9.1 M
Endrin	310,000	0.92 U	0.96 U	2 U	1.2 U	2 U	1 U
Endosulfan II	6,200,000*	0.18 U	0.18 U	0.39 U	0.22 U	3.5 J	0.2 U
4 4'-DDD	12,000	0.39 U	0.41 U	8.5	0.5 U	5.4 J	2.8 J
Endosulfan sulfate	NS	11	5.7	5 J	0.22 U	2.4 J	3.1 J
4 4'-DDT	9,000	0.32 U	0.33 U	77	0.4 U	26	11
Methoxychlor	5,200,000	30	26	4.9 U	2.7 U	4.8 U	2.4 U
Toxaphene	200	5 U	5.2 U	11 U	6.3 U	11 U	5.6 U
Endrin aldehyde	NS	0.33 U	0.35 U	0.74 U	0.42 U	0.73 U	0.37 U
Chlordane	NS	0.73 U	0.76 U	1.6 U	0.91 U	1.6 U	0.81 U

**TABLE 4**  
**PESTICIDES IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-51(12-18) 212571-008 1 4/4/2006 µg/Kg	B-52(6-18) 212571-005 1 4/4/2006 µg/Kg	B-53(0-6) 212655-002 1 4/12/2006 µg/Kg	B-54(0-6) 212655-004 1 4/13/2006 µg/Kg	B-55(0-12) 212571-020 1 4/7/2006 µg/Kg	B-55(12-20) 212603-002 1 4/7/2006 µg/Kg	B-56(0-12) 212603-003 1 4/7/2006 µg/Kg
alpha-BHC	NS	0.3 U	0.32 U	0.33 U	0.31 U	0.31 U	0.33 U	0.32 U
beta-BHC	NS	0.29 U	0.31 U	0.32 U	0.6 J	0.31 U	0.32 U	0.31 U
delta-BHC	NS	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
gamma-BHC (Lindane)	2,200	0.17 U	0.18 U	0.18 U	0.17 U	0.17 U	0.18 U	0.17 U
Heptachlor	650	0.16 U	0.18 U	0.18 U	0.17 U	0.17 J	0.18 U	0.17 U
Aldrin	170	0.39 U	0.42 U	0.43 U	1 JM	0.41 U	0.43 U	1.3 J
Heptachlor epoxide	NS	0.12 U	0.98 J	0.14 U	0.13 U	0.22 J	0.14 U	0.13 U
Endosulfan I	6,200,000*	0.16 U	0.17 U	0.18 U	0.17 U	0.17 U	0.18 U	0.17 U
Dieldrin	180	0.35 U	0.37 U	0.39 U	0.94 JM	0.6 J	0.38 U	0.78 J
4 4'-DDE	9,000	4.2	9.3	0.52 U	0.49 U	3.7 J	0.52 U	7.4
Endrin	310,000	0.97 U	1 U	1.1 U	1 U	1 U	1.1 U	1 U
Endosulfan II	6,200,000*	0.18 U	2.4 J	0.2 U	0.19 U	0.68 J	0.2 U	0.2 U
4 4'-DDD	12,000	0.64 J	0.44 U	4.7 M	2.6 J	0.43 U	0.46 U	0.44 U
Endosulfan sulfate	NS	1.1 J	8.5	0.21 U	0.19 U	3.8	0.21 U	0.2 U
4 4'-DDT	9,000	6.2	0.36 U	3 JM	5.1 M	3 J	0.37 U	0.35 U
Methoxychlor	5,200,000	2.3 U	14 J	2.5 U	2.4 U	2.4 U	2.5 U	3.1 J
Toxaphene	200	5.3 U	5.6 U	5.8 U	5.4 U	5.5 U	5.8 U	5.5 U
Endrin aldehyde	NS	0.35 U	2.5 J	0.39 U	5.6 M	0.37 U	0.39 U	0.37 U
Chlordane	NS	0.76 U	0.82 U	0.84 U	0.79 U	0.8 U	0.84 U	0.8 U



**TABLE 4**  
**PESTICIDES IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Beneficial Use Acceptance Criteria<sup>1</sup></b>	<b>B-56(12-24)</b>
<b>Lab Sample ID</b>	<b>(µg/Kg)</b>	<b>212603-006</b>
<b>Dilution</b>		<b>1</b>
<b>Date Sampled</b>		<b>4/7/2006</b>
<b>Units</b>		<b>µg/Kg</b>
<b>Compound</b>		
alpha-BHC	NS	0.33 U
beta-BHC	NS	0.33 U
delta-BHC	NS	0.12 U
gamma-BHC (Lindane)	2,200	0.18 U
Heptachlor	650	0.18 U
Aldrin	170	0.43 U
Heptachlor epoxide	NS	0.14 U
Endosulfan I	6,200,000*	0.18 U
Dieldrin	180	0.39 U
4 4'-DDE	9,000	0.81 J
Endrin	310,000	1.1 U
Endosulfan II	6,200,000*	0.21 U
4 4'-DDD	12,000	0.46 U
Endosulfan sulfate	NS	0.3 J
4 4'-DDT	9,000	0.87 J
Methoxychlor	5,200,000	2.6 U
Toxaphene	200	5.9 U
Endrin aldehyde	NS	0.39 U
Chlordane	NS	0.85 U

**TABLE 4**  
**PESTICIDES IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes**

1 - The Beneficial Use Acceptance Criteria, based on the analytical criteria provided by the Former Allied Signal Site, Elizabeth, NJ.

µg/Kg - micrograms per kilogram = parts per billion (ppb)

U - Analyte was not detected at or above the reporting limit.

J - Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).

M - concentration calculated using manual integration.

NS - No standard.

\* - Beneficial use standard is for combined Endosulfan I and Endosulfan II.

\*\* - This interval represents 12-24' below grade. There was a typo during labeling, therefore the lab mis-labeled the sample as 12-14'.

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-20(0-6) 212603-014 1 4/10/2006 µg/Kg	B-21(0-6) 212603-012 1 4/10/2006 µg/Kg	B-22(0-6) 212603-010 1 4/10/2006 µg/Kg	B-25(0-6) 212603-016 1 4/12/2006 µg/Kg	B-23(0-6) 212655-006 1 4/13/2006 µg/Kg	B-24(0-6) 212655-008 1 4/13/2006 µg/Kg	B-24(6-12) 212655-010 1 4/13/2006 µg/Kg
Aroclor 1016	NS	3.2 U	3.3 U	3.2 U	3.3 U	3.2 U	3.2 U	3.2 U
Aroclor 1221	NS	1.8 U	1.8 U	1.7 U	1.8 U	1.7 U	1.7 U	1.8 U
Aroclor 1232	NS	2.1 U	2.2 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U
Aroclor 1242	NS	3.4 U	3.5 U	3.4 U	3.5 U	3.4 U	3.4 U	3.5 U
Aroclor 1248	NS	3.1 U	3.2 U	3.1 U	3.2 U	3.1 U	3.1 U	3.1 U
Aroclor 1254	NS	1.4 U	1.4 U	18 JM	1.4 U	1.4 U	1.4 U	1.4 U
Aroclor 1260	NS	5.8 JM	4.7 U	30	55 M	9.2 JM	21 M	15 JM
<b>Total PCBs</b>	5,000	5.8	ND	48	55	9.2	21	15

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-25(6-12) 212603-018 1 4/12/2006 µg/Kg	B-25(12-18) 212603-020 1 4/12/2006 µg/Kg	B-26(6-20) 212481-003 1 3/28/2006 µg/Kg	B-26(20-26) 212481-004 1 3/28/2006 µg/Kg	B-27(0-10) 212429-016 1 3/23/2006 µg/Kg	B-27(10-20) 212429-018 1 3/23/2006 µg/Kg	B-27(20-30) 212429-020 1 3/23/2006 µg/Kg
Aroclor 1016	NS	3.1 U	3 U	3.4 U	3.2 U	3.2 U	3.4 U	3.3 U
Aroclor 1221	NS	1.7 U	1.6 U	1.8 U	1.7 U	1.7 U	1.8 U	1.8 U
Aroclor 1232	NS	2.1 U	2 U	2.2 U	2.1 U	2.1 U	2.2 U	2.2 U
Aroclor 1242	NS	3.3 U	3.1 U	3.6 U	3.4 U	3.4 U	3.6 U	3.5 U
Aroclor 1248	NS	3 U	2.8 U	3.2 U	3.1 U	3.1 U	3.2 U	3.2 U
Aroclor 1254	NS	1.3 U	1.3 U	1.5 U	1.4 U	1.4 U	1.5 U	1.4 U
Aroclor 1260	NS	8.3 JM	4.2 U	4.8 U	4.6 U	28	4.8 U	4.7 U
<b>Total PCBs</b>	5,000	8.3	ND	ND	ND	28	ND	ND

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-28(0-15) 212429-004 1 3/22/2006 µg/Kg	B-28(15-30) 212429-001 1 3/22/2006 µg/Kg	B-29(6-16) 212481-011 1 3/28/2006 µg/Kg	B-29(16-24) 212481-013 1 3/28/2006 µg/Kg	B-30(0-10) 212454-002 1 3/24/2006 µg/Kg	B-30(10-18) 212454-004 1 3/24/2006 µg/Kg	B-31(0-16) 212429-006 1 3/22/2006 µg/Kg
Aroclor 1016	NS	3.2 U	3.3 U	3.3 U	3.5 U	3.1 U	3.3 U	3.2 U
Aroclor 1221	NS	1.7 U	1.8 U	1.8 U	1.9 U	1.7 U	1.8 U	1.7 U
Aroclor 1232	NS	2.1 U	2.2 U	2.2 U	2.3 U	2 U	2.2 U	2.1 U
Aroclor 1242	NS	3.4 U	3.5 U	3.5 U	3.7 U	3.3 U	3.6 U	3.4 U
Aroclor 1248	NS	3.1 U	3.1 U	3.2 U	3.3 U	3 U	3.2 U	3.1 U
Aroclor 1254	NS	1.4 U	1.4 U	1.4 U	1.5 U	1.3 U	1.4 U	1.4 U
Aroclor 1260	NS	4.5 U	4.7 U	4.7 U	4.9 U	28	4.7 U	11 J
<b>Total PCBs</b>	5,000	ND	ND	ND	ND	28	ND	11

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Beneficial Use Acceptance Criteria<sup>1</sup></b>	<b>B-31(16-25)</b>	<b>B-32(0-14)</b>	<b>B-32(14-20)</b>	<b>B-32(20-30)</b>	<b>B-33(0-12)</b>	<b>B-33(12-14)**</b>	<b>B-34(0-10)</b>
<b>Lab Sample ID</b>		<b>212429-008</b>	<b>212429-010</b>	<b>212429-012</b>	<b>212429-014</b>	<b>212481-015</b>	<b>212481-017</b>	<b>212454-007</b>
<b>Dilution</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria<sup>1</sup></b>	<b>3/22/2006</b>	<b>3/23/2006</b>	<b>3/23/2006</b>	<b>3/23/2006</b>	<b>3/29/2006</b>	<b>3/29/2006</b>	<b>3/24/2006</b>
<b>Units</b>	<b>(µg/Kg)</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>								
Aroclor 1016	NS	3.4 U	3.2 U	3.3 U	3.4 U	16 U	3.4 U	3.5 U
Aroclor 1221	NS	1.9 U	1.8 U	1.8 U	1.9 U	8.5 U	1.8 U	1.9 U
Aroclor 1232	NS	2.3 U	2.1 U	2.2 U	2.3 U	10 U	2.2 U	2.3 U
Aroclor 1242	NS	3.7 U	3.4 U	3.5 U	3.7 U	17 U	3.6 U	3.7 U
Aroclor 1248	NS	3.3 U	3.1 U	3.2 U	3.3 U	15 U	3.2 U	3.3 U
Aroclor 1254	NS	1.5 U	1.4 U	1.4 U	1.5 U	340	1.4 U	1.5 U
Aroclor 1260	NS	4.9 U	4.6 U	4.7 U	4.9 U	100	4.8 U	26
<b>Total PCBs</b>	5,000	ND	ND	ND	ND	440	ND	26

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Beneficial Use</b>	<b>B-34(10-24)</b>	<b>B-35(0-10)</b>	<b>B-35(10-20)</b>	<b>B-35(20-28)</b>	<b>B-36(0-10)</b>	<b>B-36(10-18)</b>	<b>B-36(18-30)</b>
<b>Lab Sample ID</b>	<b>Acceptance</b>	212454-009	212454-011	212454-013	212454-015	212454-017	212454-019	212481-001
<b>Dilution</b>	<b>Criteria<sup>1</sup></b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	<b>(µg/Kg)</b>	3/24/2006	3/24/2006	3/24/2006	3/24/2006	3/27/2006	3/27/2006	3/27/2006
<b>Units</b>	<b>(µg/Kg)</b>	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
<b>Compound</b>								
Aroclor 1016	NS	3.3 U	3.2 U	3.3 U	3.3 U	3.1 U	3.3 U	3.3 U
Aroclor 1221	NS	1.8 U	1.8 U	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U
Aroclor 1232	NS	2.2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.2 U	2.2 U
Aroclor 1242	NS	3.5 U	3.4 U	3.5 U	3.5 U	9.9 JM	3.5 U	3.6 U
Aroclor 1248	NS	3.2 U	3.1 U	3.2 U	3.1 U	3 U	3.2 U	3.2 U
Aroclor 1254	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.3 U	1.4 U	1.4 U
Aroclor 1260	NS	57	150	210	8 J	12 J	4.7 U	4.7 U
<b>Total PCBs</b>	5,000	57	150	210	8	21.9	ND	ND

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-37(0-12) 212481-019 1 3/29/2006 µg/Kg	B-37(12-24) 212499-001 1 3/29/2006 µg/Kg	B-38(0-10) 212481-007 1 3/27/2006 µg/Kg	B-38(10-18) 212481-009 1 3/27/2006 µg/Kg	B-39(0-12) 212571-013 1 4/5/2006 µg/Kg	DUPLICATE 212571-014 1 4/5/2006 µg/Kg	B-39(12-24) 212655-012 1 4/13/2006 µg/Kg
Aroclor 1016	NS	3.1 U	3.3 U	2.9 U	3.3 U	3.3 U	3.2 U	3.3 U
Aroclor 1221	NS	1.7 U	1.8 U	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U
Aroclor 1232	NS	2.1 U	2.2 U	1.9 U	2.2 U	2.2 U	2.1 U	2.2 U
Aroclor 1242	NS	3.3 U	3.5 U	3.1 U	3.5 U	3.5 U	3.4 U	3.5 U
Aroclor 1248	NS	3 U	3.1 U	2.8 U	3.2 U	3.1 U	3.1 U	3.2 U
Aroclor 1254	NS	21 M	1.4 U	1.3 U	1.4 U	16 JM	14 J	1.4 U
Aroclor 1260	NS	9.4 JM	4.6 U	15 J	33	16 J	6.3 J	4.7 U
<b>Total PCBs</b>	5,000	30.4	ND	15	33	32	20.3	ND



**TABLE 5**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-40(0-10) 212499-012 1 3/30/2006 µg/Kg	B-40(10-20) 212499-014 1 3/30/2006 µg/Kg	B-40(20-32) 212499-016 1 3/30/2006 µg/Kg	B-41(0-10) 212499-007 1 3/30/2006 µg/Kg	B-41(10-20) 212499-008 1 3/30/2006 µg/Kg	B-41(20-30) 212499-017 1 3/30/2006 µg/Kg	B-42(0-12) 212499-003 1 3/29/2006 µg/Kg
Aroclor 1016	NS	3 U	3.4 U	3.1 U	3.3 U	3.2 U	3.3 U	3.2 U
Aroclor 1221	NS	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.7 U
Aroclor 1232	NS	2 U	2.2 U	2 U	2.2 U	2.1 U	2.2 U	2.1 U
Aroclor 1242	NS	28	3.6 U	3.3 U	3.5 U	3.4 U	3.6 U	3.4 U
Aroclor 1248	NS	2.9 U	3.2 U	2.9 U	3.1 U	3.1 U	3.2 U	3.1 U
Aroclor 1254	NS	130 M	1.5 U	1.3 U	18 JM	22 M	1.4 U	59 M
Aroclor 1260	NS	150	4.8 U	4.4 U	22 M	4.8 JM	4.7 U	19 J
<b>Total PCBs</b>	5,000	308	ND	ND	40	26.8	ND	78

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-42(12-22) 212499-005 1 3/29/2006 µg/Kg	B-43(14-24) 212499-019 1 4/3/2006 µg/Kg	B-44(14-24) 212499-020 1 4/3/2006 µg/Kg	B-45(6-18) 212571-002 1 4/3/2006 µg/Kg	B-46(6-14) 212571-004 1 4/4/2006 µg/Kg	B-47(0-10) 212603-008 1 4/10/2006 µg/Kg	B-48(0-10) 212571-015 1 4/6/2006 µg/Kg
Aroclor 1016	NS	3.3 U	3.4 U	3.3 U	2.9 U	3 U	3.1 U	3.2 U
Aroclor 1221	NS	1.8 U	1.9 U	1.8 U	1.6 U	1.7 U	1.7 U	1.8 U
Aroclor 1232	NS	2.2 U	2.3 U	2.2 U	1.9 U	2 U	2.1 U	2.1 U
Aroclor 1242	NS	3.5 U	3.7 U	3.5 U	3.1 U	3.2 U	3.3 U	3.4 U
Aroclor 1248	NS	3.1 U	3.3 U	3.2 U	2.8 U	2.9 U	3 U	3.1 U
Aroclor 1254	NS	1.4 U	1.5 U	1.4 U	1.3 U	21 M	1.4 U	1.4 U
Aroclor 1260	NS	4.6 U	4.9 U	4.7 U	9.6 JM	13 J	4.5 U	4.6 U
<b>Total PCBs</b>	5,000	ND	ND	ND	9.6	34	ND	ND

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Beneficial Use Acceptance Criteria <sup>1</sup> (µg/Kg)	B-49(0-10) 212571-011 1 4/5/2006 µg/Kg	B-50(0-14) 212571-018 1 4/6/2006 µg/Kg	B-51(0-12) 212571-007 1 4/4/2006 µg/Kg	B-51(12-18) 212571-008 1 4/4/2006 µg/Kg	B-52(6-18) 212571-005 1 4/4/2006 µg/Kg	B-53(0-6) 212655-002 1 4/12/2006 µg/Kg	B-54(0-6) 212655-004 1 4/13/2006 µg/Kg
Aroclor 1016	NS	3.7 U	3.2 U	3.2 U	3.1 U	3.3 U	3.4 U	3.2 U
Aroclor 1221	NS	2 U	1.7 U	1.8 U	1.7 U	1.8 U	1.8 U	1.7 U
Aroclor 1232	NS	2.4 U	2.1 U	2.1 U	2 U	2.2 U	2.2 U	2.1 U
Aroclor 1242	NS	3.9 U	3.4 U	3.4 U	3.3 U	3.5 U	3.6 U	3.4 U
Aroclor 1248	NS	3.5 U	3 U	3.1 U	2.9 U	3.1 U	3.2 U	3 U
Aroclor 1254	NS	1.6 U	150 M	190	26	1.4 U	14 JM	17 JM
Aroclor 1260	NS	5.2 U	68	29	5.6 J	4.7 U	16 JM	19 JM
<b>Total PCBs</b>	5,000	ND	218	219	31.6	ND	30	36

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Beneficial Use</b>	<b>B-55(0-12)</b>	<b>B-55(12-20)</b>	<b>B-56(0-12)</b>	<b>B-56(12-24)</b>
<b>Lab Sample ID</b>	<b>Acceptance</b>	<b>212571-020</b>	<b>212603-002</b>	<b>212603-003</b>	<b>212603-006</b>
<b>Dilution</b>	<b>Criteria<sup>1</sup></b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>(µg/Kg)</b>	<b>4/7/2006</b>	<b>4/7/2006</b>	<b>4/7/2006</b>	<b>4/7/2006</b>
<b>Units</b>		<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>					
Aroclor 1016	NS	3.2 U	3.4 U	3.2 U	3.4 U
Aroclor 1221	NS	1.7 U	1.8 U	1.8 U	1.9 U
Aroclor 1232	NS	2.1 U	2.2 U	2.1 U	2.3 U
Aroclor 1242	NS	3.4 U	3.6 U	3.4 U	3.6 U
Aroclor 1248	NS	3.1 U	3.2 U	3.1 U	3.3 U
Aroclor 1254	NS	18 JM	1.4 U	1.4 U	1.5 U
Aroclor 1260	NS	6.8 J	4.8 U	8.4 J	4.8 U
<b>Total PCBs</b>	5,000	24.8	ND	8.4	ND

**TABLE 5**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes**

1 - The Beneficial Use Acceptance Criteria, based on the analytical criteria provided by the Former Allied Signal Site, Elizabeth, NJ.  
µg/Kg - micrograms per kilogram = parts per billion (ppb)

U - Analyte was not detected at or above the reporting limit.

J - Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).

M - concentration calculated using manual integration.

NS - No standard

ND - Not detected

\*\* - This interval represents 12-24' below grade. There was a typo during labeling, therefore the lab mis-labeled the sample as 12-14'.

**TABLE 6**  
**PHENOLS AND CYANIDE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Beneficial Use	B-20(0-6)	B-21(0-6)	B-22(0-6)	B-23(0-6)	B-24(0-6)	B-24(6-12)
Lab Sample ID		212603-014	212603-012	212603-010	212655-006	212655-008	212655-010
Dilution	Acceptance	1	1	1	1	1	1
Date Sampled	Criteria <sup>1</sup>	4/10/2006	4/10/2006	4/10/2006	4/13/2006	4/13/2006	4/13/2006
Units	(µg/Kg)	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
Cyanide Total	21,000,000	1210	1280	430 B	373 B	414 B	824

Client ID	Beneficial Use	B-20(0-6)	B-21(0-6)	B-22(0-6)	B-23(0-6)	B-24(0-6)	B-24(6-12)
Lab Sample ID		212603-014	212603-012	212603-010	212655-006	212655-008	212655-010
Dilution	Acceptance	1	1	1	1	1	1
Date Sampled	Criteria	4/10/2006	4/10/2006	4/10/2006	4/13/2006	4/13/2006	4/13/2006
Units	(mg/Kg)	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Compound							
Phenolics Total Recoverable	10,000	0.35 B	0.33 U	1.1	0.33 U	2.4	3.2

**TABLE 6**  
**PHENOLS AND CYANIDE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-25(0-6)</b>	<b>B-25(6-12)</b>	<b>B-25(12-18)</b>	<b>B-26(6-20)</b>	<b>B-26(20-26)</b>	<b>B-27(0-10)</b>	<b>B-27(10-20)</b>
<b>Lab Sample ID</b>	212603-016	212603-018	212603-020	212481-003	212481-004	212429-016	212429-018
<b>Dilution</b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	4/12/2006	4/12/2006	4/12/2006	3/28/2006	3/28/2006	3/23/2006	3/23/2006
<b>Units</b>	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
<b>Compound</b>							
<b>Cyanide Total</b>	856	481 B	56.3 U	63.8 U	61.2 U	8000	64.2 U

<b>Client ID</b>	<b>B-25(0-6)</b>	<b>B-25(6-12)</b>	<b>B-25(12-18)</b>	<b>B-26(6-20)</b>	<b>B-26(20-26)</b>	<b>B-27(0-10)</b>	<b>B-27(10-20)</b>
<b>Lab Sample ID</b>	212603-016	212603-018	212603-020	212481-003	212481-004	212429-016	212429-018
<b>Dilution</b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	4/12/2006	4/12/2006	4/12/2006	3/28/2006	3/28/2006	3/23/2006	3/23/2006
<b>Units</b>	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Compound</b>							
<b>Phenolics Total Recoverable</b>	0.34 U	0.91	0.31 U	0.35 U	0.33 U	0.32 U	0.34 U

**TABLE 6**  
**PHENOLS AND CYANIDE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-27(20-30)</b>	<b>B-28(15-30)</b>	<b>B-28(0-15)</b>	<b>B-29(6-16)</b>	<b>B-29(16-24)</b>	<b>B-30(0-10)</b>	<b>B-30(10-18)</b>
<b>Lab Sample ID</b>	212429-020	212429-001	212429-004	212481-011	212481-013	212454-002	212454-004
<b>Dilution</b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/23/2006	3/22/2006	3/22/2006	3/28/2006	3/28/2006	3/24/2006	3/24/2006
<b>Units</b>	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
<b>Compound</b>							
<b>Cyanide Total</b>	64 U	63.3 U	181 B	634	63.2 U	12200	62.4 U

<b>Client ID</b>	<b>B-27(20-30)</b>	<b>B-28(15-30)</b>	<b>B-28(0-15)</b>	<b>B-29(6-16)</b>	<b>B-29(16-24)</b>	<b>B-30(0-10)</b>	<b>B-30(10-18)</b>
<b>Lab Sample ID</b>	212429-020	212429-001	212429-004	212481-011	212481-013	212454-002	212454-004
<b>Dilution</b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/23/2006	3/22/2006	3/22/2006	3/28/2006	3/28/2006	3/24/2006	3/24/2006
<b>Units</b>	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Compound</b>							
<b>Phenolics Total Recoverable</b>	0.35 U	0.33 U	0.34 U	0.38 B	0.96	0.31 U	0.63



**TABLE 6**  
**PHENOLS AND CYANIDE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-31(0-16)</b>	<b>B-31(16-25)</b>	<b>B-32(0-14)</b>	<b>B-32(14-20)</b>	<b>B-32(20-30)</b>	<b>B-33(0-12)</b>	<b>B-33(12-14)**</b>
<b>Lab Sample ID</b>	212429-006	212429-008	212429-010	212429-012	212429-014	212481-015	212481-017
<b>Dilution</b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/22/2006	3/22/2006	3/23/2006	3/23/2006	3/23/2006	3/29/2006	3/29/2006
<b>Units</b>	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
<b>Compound</b>							
<b>Cyanide Total</b>	365 B	66.5 U	222 B	63.8 U	70.8 B	811	60.4 U

<b>Client ID</b>	<b>B-31(0-16)</b>	<b>B-31(16-25)</b>	<b>B-32(0-14)</b>	<b>B-32(14-20)</b>	<b>B-32(20-30)</b>	<b>B-33(0-12)</b>	<b>B-33(12-14)**</b>
<b>Lab Sample ID</b>	212429-006	212429-008	212429-010	212429-012	212429-014	212481-015	212481-017
<b>Dilution</b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/22/2006	3/22/2006	3/23/2006	3/23/2006	3/23/2006	3/29/2006	3/29/2006
<b>Units</b>	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Compound</b>							
<b>Phenolics Total Recoverable</b>	0.32 U	0.35 U	0.33 U	0.35 U	0.35 U	0.32 U	0.35 U

**TABLE 6**  
**PHENOLS AND CYANIDE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-34(0-10)</b>	<b>B-34(10-24)</b>	<b>B-35(0-10)</b>	<b>B-35(10-20)</b>	<b>B-35(20-28)</b>	<b>B-36(0-10)</b>	<b>B-36(10-18)</b>
<b>Lab Sample ID</b>	212454-007	212454-009	212454-011	212454-013	212454-015	212454-017	212454-019
<b>Dilution</b>	2	1	2	1	1	1	1
<b>Date Sampled</b>	3/24/2006	3/24/2006	3/24/2006	3/24/2006	3/24/2006	3/27/2006	3/27/2006
<b>Units</b>	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
<b>Compound</b>							
<b>Cyanide Total</b>	26800	472 B	24400	5560	456 B	59.9 U	61.3 U

<b>Client ID</b>	<b>B-34(0-10)</b>	<b>B-34(10-24)</b>	<b>B-35(0-10)</b>	<b>B-35(10-20)</b>	<b>B-35(20-28)</b>	<b>B-36(0-10)</b>	<b>B-36(10-18)</b>
<b>Lab Sample ID</b>	212454-007	212454-009	212454-011	212454-013	212454-015	212454-017	212454-019
<b>Dilution</b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/24/2006	3/24/2006	3/24/2006	3/24/2006	3/24/2006	3/27/2006	3/27/2006
<b>Units</b>	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Compound</b>							
<b>Phenolics Total Recoverable</b>	3	0.35 U	0.47 B	0.34 U	0.56 B	1.3	0.97

**TABLE 6**  
**PHENOLS AND CYANIDE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-36(18-30)</b>	<b>B-37(0-12)</b>	<b>B-37(12-24)</b>	<b>B-38(0-10)</b>	<b>B-38(10-18)</b>	<b>B-39(12-24)</b>	<b>B-42(0-12)</b>
<b>Lab Sample ID</b>	212481-001	212481-019	212499-001	212481-007	212481-009	212655-012	212499-003
<b>Dilution</b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/27/2006	3/29/2006	3/29/2006	3/27/2006	3/27/2006	4/13/2006	3/29/2006
<b>Units</b>	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
<b>Compound</b>							
<b>Cyanide Total</b>	63.4 U	351 B	59.6 U	391 B	63.1 U	63.5 U	56.2 U

<b>Client ID</b>	<b>B-36(18-30)</b>	<b>B-37(0-12)</b>	<b>B-37(12-24)</b>	<b>B-38(0-10)</b>	<b>B-38(10-18)</b>	<b>B-39(12-24)</b>	<b>B-42(0-12)</b>
<b>Lab Sample ID</b>	212481-001	212481-019	212499-001	212481-007	212481-009	212655-012	212499-003
<b>Dilution</b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/27/2006	3/29/2006	3/29/2006	3/27/2006	3/27/2006	4/13/2006	3/29/2006
<b>Units</b>	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Compound</b>							
<b>Phenolics Total Recoverable</b>	0.35 U	0.33 U	0.33 U	0.34 B	0.34 U	1.3	0.32 U

**TABLE 6**  
**PHENOLS AND CYANIDE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-42(12-22)</b>	<b>B-41(0-10)</b>	<b>B-41(10-20)</b>	<b>B-40(0-10)</b>	<b>B-40(10-20)</b>	<b>B-40(20-32)</b>	<b>B-41(20-30)</b>
<b>Lab Sample ID</b>	<b>212499-005</b>	<b>212499-007</b>	<b>212499-008</b>	<b>212499-012</b>	<b>212499-014</b>	<b>212499-016</b>	<b>212499-017</b>
<b>Dilution</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>3/29/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>
<b>Units</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>							
<b>Cyanide Total</b>	<b>61.6 U</b>	<b>362 B</b>	<b>60.8 U</b>	<b>156 B</b>	<b>85.5 B</b>	<b>56.5 U</b>	<b>63.7 U</b>

<b>Client ID</b>	<b>B-42(12-22)</b>	<b>B-41(0-10)</b>	<b>B-41(10-20)</b>	<b>B-40(0-10)</b>	<b>B-40(10-20)</b>	<b>B-40(20-32)</b>	<b>B-41(20-30)</b>
<b>Lab Sample ID</b>	<b>212499-005</b>	<b>212499-007</b>	<b>212499-008</b>	<b>212499-012</b>	<b>212499-014</b>	<b>212499-016</b>	<b>212499-017</b>
<b>Dilution</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>3/29/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>
<b>Units</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>
<b>Compound</b>							
<b>Phenolics Total Recoverable</b>	<b>0.34 U</b>	<b>0.42 B</b>	<b>0.34 U</b>	<b>0.31 U</b>	<b>0.34 U</b>	<b>0.32 U</b>	<b>0.34 U</b>

**TABLE 6**  
**PHENOLS AND CYANIDE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-43(14-24)</b>	<b>B-44(14-24)</b>	<b>B-47(0-10)</b>	<b>B-55(12-20)</b>	<b>B-56(0-12)</b>	<b>B-56(12-24)</b>	<b>B-39(0-12)</b>
<b>Lab Sample ID</b>	212499-019	212499-020	212603-008	212603-002	212603-003	212603-006	212571-013
<b>Dilution</b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	4/3/2006	4/3/2006	4/10/2006	4/7/2006	4/7/2006	4/7/2006	4/5/2006
<b>Units</b>	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
<b>Compound</b>							
<b>Cyanide Total</b>	89.3 B	62.8 U	101 B	62.1 U	59.1 U	60.1 U	215 B

<b>Client ID</b>	<b>B-43(14-24)</b>	<b>B-44(14-24)</b>	<b>B-47(0-10)</b>	<b>B-55(12-20)</b>	<b>B-56(0-12)</b>	<b>B-56(12-24)</b>	<b>B-39(0-12)</b>
<b>Lab Sample ID</b>	212499-019	212499-020	212603-008	212603-002	212603-003	212603-006	212571-013
<b>Dilution</b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	4/3/2006	4/3/2006	4/10/2006	4/7/2006	4/7/2006	4/7/2006	4/5/2006
<b>Units</b>	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Compound</b>							
<b>Phenolics Total Recoverable</b>	0.35 U	0.34 U	2.3	0.62	0.54 B	0.35 U	0.34 U

**TABLE 6**  
**PHENOLS AND CYANIDE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>DUPLICATE</b>	<b>B-45(6-18)</b>	<b>B-46(6-14)</b>	<b>B-48(0-10)</b>	<b>B-49(0-10)</b>	<b>B-50(0-14)</b>	<b>B-51(0-12)</b>
<b>Lab Sample ID</b>	212571-014	212571-002	212571-004	212571-015	212571-011	212571-018	212571-007
<b>Dilution</b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	4/5/2006	4/3/2006	4/4/2006	4/6/2006	4/5/2006	4/6/2006	4/4/2006
<b>Units</b>	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
<b>Compound</b>							
<b>Cyanide Total</b>	1050	57 B	57.9 U	333 B	67.7 U	772	287 B

<b>Client ID</b>	<b>DUPLICATE</b>	<b>B-45(6-18)</b>	<b>B-46(6-14)</b>	<b>B-48(0-10)</b>	<b>B-49(0-10)</b>	<b>B-50(0-14)</b>	<b>B-51(0-12)</b>
<b>Lab Sample ID</b>	212571-014	212571-002	212571-004	212571-015	212571-011	212571-018	212571-007
<b>Dilution</b>	1	1	1	1	1	1	1
<b>Date Sampled</b>	4/5/2006	4/3/2006	4/4/2006	4/6/2006	4/5/2006	4/6/2006	4/4/2006
<b>Units</b>	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Compound</b>							
<b>Phenolics Total Recoverable</b>	0.33 U	0.3 U	0.31 U	1.6	5.5	0.33 U	0.6

**TABLE 6**  
**PHENOLS AND CYANIDE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-51(12-18)</b>	<b>B-52(6-18)</b>	<b>B-53(0-6)</b>	<b>B-54(0-6)</b>	<b>B-55(0-12)</b>
<b>Lab Sample ID</b>	<b>212571-008</b>	<b>212571-005</b>	<b>212655-002</b>	<b>212655-004</b>	<b>212571-020</b>
<b>Dilution</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/12/2006</b>	<b>4/13/2006</b>	<b>4/7/2006</b>
<b>Units</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>					
<b>Cyanide Total</b>	<b>57.7 U</b>	<b>553 B</b>	<b>1040</b>	<b>195 B</b>	<b>1400</b>

<b>Client ID</b>	<b>B-51(12-18)</b>	<b>B-52(6-18)</b>	<b>B-53(0-6)</b>	<b>B-54(0-6)</b>	<b>B-55(0-12)</b>
<b>Lab Sample ID</b>	<b>212571-008</b>	<b>212571-005</b>	<b>212655-002</b>	<b>212655-004</b>	<b>212571-020</b>
<b>Dilution</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/12/2006</b>	<b>4/13/2006</b>	<b>4/7/2006</b>
<b>Units</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>	<b>mg/Kg</b>
<b>Compound</b>					
<b>Phenolics Total Recoverable</b>	<b>0.32 U</b>	<b>0.34 U</b>	<b>1.4</b>	<b>0.32 U</b>	<b>0.32 U</b>

**TABLE 6**  
**PHENOLS AND CYANIDE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes**

1 - The Beneficial Use Acceptance Criteria, based on the analytical criteria provided by the Former Allied Signal Site, Elizabeth, NJ.

µg/Kg - micrograms per kilogram = parts per billion (ppb)

mg/Kg - milligrams per kilogram = parts per million (ppm)

U - Analyte was not detected at or above the reporting limit.

B - Compound was found in the blank and sample.

\*\* - This interval represents 12-24' below grade. There was a typo during labeling, therefore the lab mis-labeled the sample as 12-14'.



**TABLE 7**  
**PERCENT MOISTURE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-20(3-3.5)</b>	<b>B-20(0-6)</b>	<b>B-21(1.5-2)</b>	<b>B-21(0-6)</b>	<b>B-22(3.5-4)</b>	<b>B-22(0-6)</b>	<b>B-23(2.5-3)</b>	<b>B-23(0-6)</b>
<b>Lab Sample ID</b>	212603-013	212603-014	212603-011	212603-012	212603-009	212603-010	212655-005	212655-006
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/13/2006	4/13/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	90.5	86.7	83.7	85.3	89	86.3	84.4	86
% Moisture	9.5	13.3	16.3	14.7	11	13.7	15.6	14

**TABLE 7**  
**PERCENT MOISTURE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-24(2.5-3)</b>	<b>B-24(0-6)</b>	<b>B-24(9-9.5)</b>	<b>B-24(6-12)</b>	<b>B-25(0-6)</b>	<b>B-25(3-3.5)</b>	<b>B-25(10.5-11)</b>	<b>B-25(6-12)</b>
<b>Lab Sample ID</b>	212655-007	212655-008	212655-009	212655-010	212603-016	212603-015	212603-017	212603-018
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	4/13/2006	4/13/2006	4/13/2006	4/13/2006	4/12/2006	4/12/2006	4/12/2006	4/12/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	84.6	85.9	84.1	85.2	85.1	81.7	86.8	87.8
% Moisture	15.4	14.1	15.9	14.8	14.9	18.3	13.2	12.2

**TABLE 7  
 PERCENT MOISTURE IN SOIL  
 FOR BENEFICIAL USE DETERMINATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-25(15.5-16)</b>	<b>B-25(12-18)</b>	<b>B-26(13-13.5)</b>	<b>B-26(6-20)</b>	<b>B-26(20-26)</b>	<b>B-26(25-25.5)</b>	<b>B-27(0-10)</b>	<b>B-27(0-10)</b>
<b>Lab Sample ID</b>	212603-019	212603-020	212481-002	212481-003	212481-004	212481-005	A6C250195008	212429-016
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	4/12/2006	4/12/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/23/2006	3/23/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	95.3	94.1	79.9	82.3	85.7	85.2	86.6	87.3
% Moisture	4.7	5.9	20.1	17.7	14.3	14.8	13.4	12.7

**TABLE 7  
 PERCENT MOISTURE IN SOIL  
 FOR BENEFICIAL USE DETERMINATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-27(5-5.5)</b>	<b>B-27(10-20)</b>	<b>B-27(15-15.5)</b>	<b>B-27(20-30)</b>	<b>B-27(27-27.5)</b>	<b>B-28(0-15)</b>	<b>B-28(3.5-4)</b>	<b>B-28(15-30)</b>
<b>Lab Sample ID</b>	212429-015	212429-018	212429-017	212429-020	212429-019	212429-004	212429-003	212429-001
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/23/2006	3/23/2006	3/23/2006	3/23/2006	3/23/2006	3/22/2006	3/22/2006	3/22/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	86.6	82.6	84.4	82.8	87.9	85.9	80.2	83.7
% Moisture	13.4	17.4	15.6	17.2	12.1	14.1	19.8	16.3

**TABLE 7**  
**PERCENT MOISTURE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-28(20-20.5)</b>	<b>B-29(11-11.5)</b>	<b>B-29(6-16)</b>	<b>B-29(21-21.5)</b>	<b>B-29(16-24)</b>	<b>B-30(5-5.5)</b>	<b>B-30(0-10)</b>	<b>B-30(15-15.5)</b>
<b>Lab Sample ID</b>	212429-002	212481-010	212481-011	212481-012	212481-013	212454-001	212454-002	212454-003
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/22/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/24/2006	3/24/2006	3/24/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	81.2	87.8	82.5	77.7	80.6	82.1	90.1	80
% Moisture	18.8	12.2	17.5	22.3	19.4	17.9	9.9	20

**TABLE 7**  
**PERCENT MOISTURE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-30(10-18)</b>	<b>B-30(18-18.5)</b>	<b>B-31(0-16)</b>	<b>B-31(7.5-8)</b>	<b>B-31(16-25)</b>	<b>B-31(21-21.5)</b>	<b>B-32(0-14)</b>	<b>B-32(7.5-8)</b>
<b>Lab Sample ID</b>	212454-004	212454-005	212429-006	212429-005	212429-008	212429-007	212429-010	212429-009
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/24/2006	3/24/2006	3/22/2006	3/22/2006	3/22/2006	3/22/2006	3/23/2006	3/23/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	82.4	78.3	86.2	84	79.7	82.1	86.1	85.1
% Moisture	17.6	21.7	13.8	16	20.3	17.9	13.9	14.9

**TABLE 7**  
**PERCENT MOISTURE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-32(14-20)</b>	<b>B-32(20-30)</b>	<b>B-32(23-23.5)</b>	<b>B-33(6-6.5)</b>	<b>B-33(0-12)</b>	<b>B-33(12-14)**</b>	<b>B-33(18-18.5)</b>	<b>B-34(5-5.5)</b>
<b>Lab Sample ID</b>	212429-012	212429-014	212429-013	212481-014	212481-015	212481-017	212481-016	212454-006
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/23/2006	3/23/2006	3/23/2006	3/29/2006	3/29/2006	3/29/2006	3/29/2006	3/24/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	83.1	80.6	79.1	93.2	87.8	82	80.8	73.8
% Moisture	16.9	19.4	20.9	6.8	12.2	18	19.2	26.2

**TABLE 7**  
**PERCENT MOISTURE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-34(0-10)</b>	<b>B-34(13.5-14)</b>	<b>B-34(10-24)</b>	<b>B-35(5-5.5)</b>	<b>B-35(0-10)</b>	<b>B-35(15-15.5)</b>	<b>B-35(10-20)</b>	<b>B-35(25-25.5)</b>
<b>Lab Sample ID</b>	212454-007	212454-008	212454-009	212454-010	212454-011	212454-012	212454-013	212454-014
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/24/2006	3/24/2006	3/24/2006	3/24/2006	3/24/2006	3/24/2006	3/24/2006	3/24/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	80.7	79.6	82.8	83.5	85.1	83	83.5	84
% Moisture	19.3	20.4	17.2	16.5	14.9	17	16.5	16



**TABLE 7  
 PERCENT MOISTURE IN SOIL  
 FOR BENEFICIAL USE DETERMINATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-35(20-28)</b>	<b>B-36(3.5-4)</b>	<b>B-36(0-10)</b>	<b>B-36(16-16.5)</b>	<b>B-36(10-18)</b>	<b>B-36(24-24.5)</b>	<b>B-36(0-10)</b>	<b>B-36(10-18)</b>
<b>Lab Sample ID</b>	212454-015	212454-016	212454-017	212454-018	212454-019	212454-020	212454-017	212454-019
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/24/2006	3/27/2006	3/27/2006	3/27/2006	3/27/2006	3/27/2006	3/27/2006	3/27/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	84.7	87	88.5	89.9	84	87.3	88.5	84
% Moisture	15.3	13	11.5	10.1	16	12.7	11.5	16

**TABLE 7**  
**PERCENT MOISTURE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-36(18-30)</b>	<b>B-37 (0-12)</b>	<b>B-37(6-6.5)</b>	<b>B-37(0-12)</b>	<b>B-37(18-18.5)</b>	<b>B-38(4.5-5)</b>	<b>B-38(0-10)</b>	<b>B-38(12-12.5)</b>
<b>Lab Sample ID</b>	212481-001	212481-019	212481-018	212481-019	212481-020	212481-006	212481-007	212481-008
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/27/2006	3/29/2006	3/29/2006	3/29/2006	3/29/2006	3/27/2006	3/27/2006	3/27/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	82.8	88.2	77.4	88.2	83.6	94.6	94.6	85.1
% Moisture	17.2	11.8	22.6	11.8	16.4	5.4	5.4	14.9

**TABLE 7**  
**PERCENT MOISTURE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-38(10-18)</b>	<b>B-39(5.5-6)</b>	<b>B-39(0-12)</b>	<b>DUPLICATE</b>	<b>B-39(15.5-16)</b>	<b>B-39(12-24)</b>	<b>B-43(14-24)</b>	<b>B-44(14-24)</b>
<b>Lab Sample ID</b>	212481-009	212571-012	212571-013	212571-014	212655-011	212655-012	A6D050165001	A6D050165002
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	3/27/2006	4/5/2006	4/5/2006	4/5/2006	4/13/2006	4/13/2006	4/3/2006	4/3/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	84	88.9	84.5	85.1	78.9	83.4	81.5	84.4
% Moisture	16	11.1	15.5	14.9	21.1	16.6	18.5	15.6

**TABLE 7**  
**PERCENT MOISTURE IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-45(12-12.5)</b>	<b>B-45(6-18)</b>	<b>B-46(13-13.5)</b>	<b>B-46(6-14)</b>	<b>B-47(3.5-4)</b>	<b>B-47(0-10)</b>	<b>B-48(0-10)</b>	<b>B-48(5-5.5)</b>
<b>Lab Sample ID</b>	212571-001	212571-002	212571-003	212571-004	212603-007	212603-008	212571-015	212571-016
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	4/3/2006	4/3/2006	4/4/2006	4/4/2006	4/10/2006	4/10/2006	4/6/2006	4/6/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	89.2	94.6	92.9	90.6	93	89	86.9	79.4
% Moisture	10.8	5.4	7.1	9.4	7	11	13.1	20.6

**TABLE 7  
 PERCENT MOISTURE IN SOIL  
 FOR BENEFICIAL USE DETERMINATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-49(5-5.5)</b>	<b>B-49(0-10)</b>	<b>B-50(3.5-4)</b>	<b>B-50(0-14)</b>	<b>B-51(6.5-7)</b>	<b>B-51(0-12)</b>	<b>B-51(12-18)</b>	<b>B-51(17-17.5)</b>
<b>Lab Sample ID</b>	212571-010	212571-011	212571-017	212571-018	212571-006	212571-007	212571-008	212571-009
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	4/5/2006	4/5/2006	4/6/2006	4/6/2006	4/4/2006	4/4/2006	4/4/2006	4/4/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	88.1	76.7	85.8	86.9	80.9	86	90.1	95.3
% Moisture	11.9	23.3	14.2	13.1	19.1	14	9.9	4.7

**TABLE 7  
 PERCENT MOISTURE IN SOIL  
 FOR BENEFICIAL USE DETERMINATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-52(6-18)</b>	<b>B-53(3-3.5)</b>	<b>B-53(0-6)</b>	<b>B-54(3-3.5)</b>	<b>B-54(0-6)</b>	<b>B-55(18-18.5)</b>	<b>B-55(12-20)</b>	<b>B-55(6-6.5)</b>
<b>Lab Sample ID</b>	212571-005	212655-001	212655-002	212655-003	212655-004	212603-001	212603-002	212571-019
<b>Dilution</b>	1	1	1	1	1	1	1	1
<b>Date Sampled</b>	4/4/2006	4/12/2006	4/12/2006	4/13/2006	4/13/2006	4/7/2006	4/7/2006	4/7/2006
<b>Units</b>	%	%	%	%	%	%	%	%
<b>Compound</b>								
<b>% Solids</b>	85.1	84.9	82.2	88.3	87.9	86.6	83.7	76.8
<b>% Moisture</b>	14.9	15.1	17.8	11.7	12.1	13.4	16.3	23.2

**TABLE 7  
 PERCENT MOISTURE IN SOIL  
 FOR BENEFICIAL USE DETERMINATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-55(0-12)</b>	<b>B-56(0-12)</b>	<b>B-56(6-6.5)</b>	<b>B-56(18-18.5)</b>	<b>B-56(12-24)</b>
<b>Lab Sample ID</b>	<b>212571-020</b>	<b>212603-003</b>	<b>212603-004</b>	<b>212603-005</b>	<b>212603-006</b>
<b>Dilution</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>4/7/2006</b>	<b>4/7/2006</b>	<b>4/7/2006</b>	<b>4/7/2006</b>	<b>4/7/2006</b>
<b>Units</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>					
<b>% Solids</b>	86.3	84.6	87.7	80.9	81.7
<b>% Moisture</b>	13.7	15.4	12.3	19.1	18.3

**ATTACHMENT G**  
**ANALYTICAL RESULTS FOR PETROLEUM WASTE CLASSIFICATION**



**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth of Carteret Acceptance Criteria <sup>1</sup> µg/kg	B-30(18-20) 212469-001 1 3/24/2006 µg/Kg	B-30(20-22) 212469-002 1 3/24/2006 µg/Kg	B-30(22-24) 212469-003 1 3/24/2006 µg/Kg	B-44(17.5-18) 212550-001 1 4/3/2006 µg/Kg	B-45(4.5-5) 212550-007 1 4/3/2006 µg/Kg	B-46(17-17.5) 212550-014 1 4/4/2006 µg/Kg
Chloromethane	NS	1.1 U	1.1 U	1.1 U	55 U	100 U	58 U
Vinyl chloride	NS	1.1 U	1 U	1.1 U	88 U	160 U	92 U
Bromomethane	NS	1 U	0.96 U	0.99 U	130 U	240 U	140 U
Chloroethane	NS	2.3 U	2.2 U	2.3 U	88 U	160 U	92 U
1 1-Dichloroethene	NS	1.3 U	1.3 U	1.3 U	77 U	140 U	81 U
Carbon disulfide	NS	1.5 J	0.71 U	0.82 J	NA	NA	NA
Acetone	NS	3.9 U	3.7 U	3.8 U	290 JB	290 JB	340 JB
Methylene chloride	NS	9.2 JB	7.9 JB	8.7 JB	90 JB	250 JB	210 JB
trans-1 2-Dichloroethene	NS	0.71 U	0.68 U	0.7 U	55 U	100 U	58 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1.1 U	1.1 U	NA	NA	NA
1 1-Dichloroethane	NS	0.99 U	0.95 U	0.98 U	66 U	120 U	69 U
cis-1 2-Dichloroethene	NS	1.3 U	1.2 U	1.3 U	66 U	120 U	69 U
2-Butanone (MEK)	NS	2.2 U	2.1 U	2.2 U	130 U	370 J	140 U
Chloroform	NS	0.65 U	0.62 U	0.64 U	77 U	140 U	81 U
1 1 1-Trichloroethane	NS	1 U	0.98 U	1 U	44 U	81 U	46 U
Carbon tetrachloride	NS	0.95 U	0.91 U	0.95 U	110 U	200 U	120 U
Benzene	NS	1.1 U	1 U	1 U	90 J	81 U	46 U
1 2-Dichloroethane	NS	1.2 U	1.2 U	1.2 U	66 U	120 U	69 U
Trichloroethene	NS	0.83 U	0.8 U	0.82 U	77 U	140 U	81 U
1 2-Dichloropropane	NS	1.3 U	1.2 U	1.3 U	99 U	180 U	100 U
Bromodichloromethane	NS	1 U	0.98 U	1 U	44 U	81 U	46 U
cis-1 3-Dichloropropene	NS	0.95 U	0.91 U	0.95 U	55 U	100 U	58 U
4-Methyl-2-pentanone (MIBK)	NS	1.4 U	1.4 U	1.4 U	77 U	140 U	81 U
Toluene	NS	1 UB	0.98 UB	1 UB	33 U	86 J	55 J
trans-1 3-Dichloropropene	NS	1.1 U	1.1 U	1.1 U	33 U	61 U	35 U
1 1 2-Trichloroethane	NS	1.3 U	1.2 U	1.3 U	66 U	120 U	69 U
Tetrachloroethene	NS	0.86 U	0.82 U	0.85 U	55 U	130 J	58 U

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth of Carteret Acceptance Criteria <sup>1</sup> µg/kg	B-30(18-20) 212469-001 1 3/24/2006 µg/Kg	B-30(20-22) 212469-002 1 3/24/2006 µg/Kg	B-30(22-24) 212469-003 1 3/24/2006 µg/Kg	B-44(17.5-18) 212550-001 1 4/3/2006 µg/Kg	B-45(4.5-5) 212550-007 1 4/3/2006 µg/Kg	B-46(17-17.5) 212550-014 1 4/4/2006 µg/Kg
Lab Sample ID							
Dilution							
Date Sampled							
Units							
Compound							
2-Hexanone	NS	3.1 U	3 U	3.1 U	NA	NA	NA
Dibromochloromethane	NS	0.5 U	0.48 U	0.5 U	55 U	100 U	58 U
Chlorobenzene	NS	0.97 U	0.92 U	0.96 U	44 U	81 U	46 U
Ethylbenzene	NS	0.97 U	0.92 U	0.96 U	160 J	200 U	120 U
Styrene	NS	1.3 U	1.2 U	1.3 U	55 U	100 U	58 U
Bromoform	NS	1.2 U	1.2 U	1.2 U	88 U	160 U	92 U
1 1 2 2-Tetrachloroethane	NS	1.5 U	1.4 U	1.5 U	44 U	81 U	46 U
Xylenes (total)	NS	2.4 U	2.3 U	2.4 U	560	310 J	120 U
<b>Total BTEX</b>	<b>30,000,000</b>	ND	ND	ND	810	396	55

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth of Carteret Acceptance Criteria <sup>1</sup> µg/kg	B-47(18-18.5) 212602-006 1 4/10/2006 µg/Kg	B-48(20-20.5) 212582-009 1 4/6/2006 ug/Kg	B-48(26-26.5) 212582-012 1 4/6/2006 ug/Kg	B-49(15.5-16) 212570-013 1 4/5/2006 µg/Kg	B-49(25-25.5) 212570-020 1 4/5/2006 µg/Kg	B-50(16-16.5) 212582-016 1 4/6/2006 ug/Kg
Chloromethane	NS	53 U	51 U	51 U	48 U	45 U	60 U
Vinyl chloride	NS	84 U	82 U	81 U	78 U	72 U	95 U
Bromomethane	NS	130 U	120 U	120 U	120 U	110 U	140 U
Chloroethane	NS	84 U	82 U	81 U	78 U	72 U	95 U
1 1-Dichloroethene	NS	74 U	71 U	71 U	68 U	63 U	83 U
Carbon disulfide	NS	NA	N/A	N/A	NA	NA	N/A
Acetone	NS	N/A	300 J	320 J	180 JB	130 UB	330 J
Methylene chloride	NS	100 JB	130 JB	140 JB	92 JB	87 JB	150 JB
trans-1 2-Dichloroethene	NS	53 U	51 U	51 U	48 U	45 U	60 U
Methyl-tert-butyl-ether (MTBE)	NS	NA	N/A	N/A	NA	NA	N/A
1 1-Dichloroethane	NS	63 U	61 U	61 U	58 U	54 U	72 U
cis-1 2-Dichloroethene	NS	63 U	61 U	61 U	58 U	54 U	72 U
2-Butanone (MEK)	NS	N/A	120 U	120 U	120 U	110 U	140 U
Chloroform	NS	74 U	71 U	71 U	68 U	63 U	83 U
1 1 1-Trichloroethane	NS	42 U	41 U	40 U	39 U	36 U	48 U
Carbon tetrachloride	NS	110 U	100 U	100 U	97 U	90 U	120 U
Benzene	NS	42 U	41 U	40 U	39 U	36 U	48 U
1 2-Dichloroethane	NS	63 U	61 U	61 U	58 U	54 U	72 U
Trichloroethene	NS	74 U	71 U	71 U	68 U	63 U	83 U
1 2-Dichloropropane	NS	95 U	92 U	91 U	87 U	81 U	110 U
Bromodichloromethane	NS	42 U	41 U	40 U	39 U	36 U	48 U
cis-1 3-Dichloropropene	NS	53 U	51 U	51 U	48 U	45 U	60 U
4-Methyl-2-pentanone (MIBK)	NS	NA	71 U	71 U	68 U	63 U	83 U
Toluene	NS	32 U	31 U	30 U	29 U	27 U	36 U
trans-1 3-Dichloropropene	NS	32 U	31 U	30 U	29 U	27 U	36 U
1 1 2-Trichloroethane	NS	63 U	61 U	61 U	58 U	54 U	72 U
Tetrachloroethene	NS	53 U	51 U	51 U	48 U	45 U	60 U

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth of Carteret Acceptance Criteria <sup>1</sup> µg/kg	B-47(18-18.5) 212602-006 1 4/10/2006 µg/Kg	B-48(20-20.5) 212582-009 1 4/6/2006 ug/Kg	B-48(26-26.5) 212582-012 1 4/6/2006 ug/Kg	B-49(15.5-16) 212570-013 1 4/5/2006 µg/Kg	B-49(25-25.5) 212570-020 1 4/5/2006 µg/Kg	B-50(16-16.5) 212582-016 1 4/6/2006 ug/Kg
2-Hexanone	NS	NA	N/A	N/A	NA	NA	N/A
Dibromochloromethane	NS	53 U	51 U	51 U	48 U	45 U	60 U
Chlorobenzene	NS	42 U	41 U	40 U	39 U	36 U	48 U
Ethylbenzene	NS	110 U	100 U	100 U	97 U	90 U	120 U
Styrene	NS	NA	51 U	51 U	48 U	45 U	60 U
Bromoform	NS	84 U	82 U	81 U	78 U	72 U	95 U
1 1 2 2-Tetrachloroethane	NS	42 U	41 U	40 U	39 U	36 U	48 U
Xylenes (total)	NS	110 U	430 J	100 U	97 U	90 U	120 U
<b>Total BTEX</b>	<b>30,000,000</b>	ND	430	ND	ND	ND	ND

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth of Carteret Acceptance Criteria<sup>1</sup> µg/kg</b>	<b>B-50(25-25.5) 212582-017 1 4/6/2006 µg/Kg</b>	<b>B-51(21-21.5) 212570-007 1 4/4/2006 µg/Kg</b>	<b>B-52(15.5-16) 212570-003 1 4/4/2006 µg/Kg</b>
Chloromethane	NS	55 U	50 U	69 U
Vinyl chloride	NS	88 U	80 U	110 U
Bromomethane	NS	130 U	120 U	170 U
Chloroethane	NS	88 U	80 U	110 U
1 1-Dichloroethene	NS	77 U	70 U	96 U
Carbon disulfide	NS	N/A	NA	NA
Acetone	NS	260 J	180 JB	340 JB
Methylene chloride	NS	130 JB	110 JB	250 JB
trans-1 2-Dichloroethene	NS	55 U	50 U	69 U
Methyl-tert-butyl-ether (MTBE)	NS	N/A	NA	NA
1 1-Dichloroethane	NS	66 U	60 U	83 U
cis-1 2-Dichloroethene	NS	66 U	60 U	83 U
2-Butanone (MEK)	NS	130 U	120 U	170 U
Chloroform	NS	77 U	70 U	96 U
1 1 1-Trichloroethane	NS	44 U	40 U	55 U
Carbon tetrachloride	NS	110 U	100 U	140 U
Benzene	NS	44 U	40 U	55 U
1 2-Dichloroethane	NS	66 U	60 U	83 U
Trichloroethene	NS	77 U	70 U	96 U
1 2-Dichloropropane	NS	99 U	90 U	120 U
Bromodichloromethane	NS	44 U	40 U	55 U
cis-1 3-Dichloropropene	NS	55 U	50 U	69 U
4-Methyl-2-pentanone (MIBK)	NS	77 U	70 U	96 U
Toluene	NS	33 U	73 J	41 U
trans-1 3-Dichloropropene	NS	33 U	30 U	41 U
1 1 2-Trichloroethane	NS	66 U	60 U	83 U
Tetrachloroethene	NS	55 U	50 U	69 U

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth of Carteret Acceptance Criteria<sup>1</sup> µg/kg</b>	<b>B-50(25-25.5) 212582-017 1 4/6/2006 ug/Kg</b>	<b>B-51(21-21.5) 212570-007 1 4/4/2006 µg/Kg</b>	<b>B-52(15.5-16) 212570-003 1 4/4/2006 µg/Kg</b>
<b>Lab Sample ID</b>				
<b>Dilution</b>				
<b>Date Sampled</b>				
<b>Units</b>				
<b>Compound</b>				
2-Hexanone	NS	N/A	NA	NA
Dibromochloromethane	NS	55 U	50 U	69 U
Chlorobenzene	NS	44 U	40 U	55 U
Ethylbenzene	NS	110 U	100 UH	140 U
Styrene	NS	55 U	50 U	69 U
Bromoform	NS	88 U	80 U	110 U
1 1 2 2-Tetrachloroethane	NS	44 U	40 U	55 U
Xylenes (total)	NS	110 U	100 U	140 U
<b>Total BTEX</b>	<b>30,000,000</b>	ND	73	ND

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes**

1 - Petroleum waste criteria provided by Clean Earth of Carteret, NJ.

µg/Kg - micrograms per kilogram = parts per billion (ppb)

U - Analyte was not detected at or above the reporting limit.

B - Compound was found in the blank and sample.

J - Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).

NS - No Standard

NA - Not analyzed

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth of	B-30(18-20)	B-30(20-22)	B-30(22-24)	B-44(16-18)	B-44(20-22)	B-44(14-24)
Lab Sample ID	Carteret	212469-001	212469-002	212469-003	212550-002	212550-004	212550-006
Dilution	Acceptance	1	1	1	1	1	1
Date Sampled	Criteria <sup>1</sup>	3/24/2006	3/24/2006	3/24/2006	4/3/2006	4/3/2006	4/3/2006
Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
Naphthalene		68 U	66 U	67 U	66 U	66 U	63 U
2-Methylnaphthalene	No standards	63 U	61 U	62 U	62 U	61 U	58 U
Acenaphthylene	analyzed on	72 J	47 U	48 U	48 U	47 U	45 U
Acenaphthene	case by	66 U	63 U	65 U	64 U	64 U	60 U
Fluorene	case	52 J	50 U	50 U	50 U	50 U	47 U
Phenanthrene	basis	510	45 U	46 U	45 U	45 U	43 U
Anthracene		150 J	63 U	65 U	64 U	64 U	60 U
Fluoranthene		770	48 U	49 U	49 U	49 U	46 U
Pyrene		840	53 U	54 U	53 U	53 U	51 U
Benzo(a)anthracene		470	52 U	53 U	52 U	52 U	49 U
Chrysene		460	48 U	49 U	49 U	49 U	46 U
Benzo(b)fluoranthene		390 J	110 U	110 U	110 U	110 U	100 U
Benzo(k)fluoranthene		170 J	43 U	43 U	43 U	43 U	41 U
Benzo(a)pyrene		410	47 U	48 U	48 U	47 U	45 U
Indeno(1 2 3-cd)pyrene		350 J	39 U	40 U	39 U	39 U	37 U
Dibenzo(a h)anthracene		86 J	43 U	43 U	43 U	43 U	41 U
Benzo(ghi)perylene		310 J	43 U	43 U	43 U	43 U	41 U
<b>Total PAHs</b>		5,040	ND	ND	ND	ND	ND



**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth of	B-45(0-6)	B-46(14-20)	B-47(18-22)	B-48(10-16)	B-48(16-24)	B-48(24-30)
Lab Sample ID	Carteret	212550-012	212550-017	212602-010	212582-004	212582-013	212582-015
Dilution	Acceptance	1	1	1	1	1	1
Date Sampled	Criteria <sup>1</sup>	4/3/2006	4/4/2006	4/10/2006	4/6/2006	4/6/2006	4/6/2006
Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
Naphthalene		86 J	63 U	58 U	63 U	2800	4200
2-Methylnaphthalene	No standards	73 J	59 U	140 J	59 U	2700	4000
Acenaphthylene	analyzed on	39 U	45 U	63 J	45 U	48 U	48 U
Acenaphthene	case by	52 U	61 U	160 J	61 U	64 U	65 U
Fluorene	case	41 U	48 U	150 J	48 U	50 U	51 U
Phenanthrene	basis	220 J	43 U	1100	220 J	50 J	52 J
Anthracene		52 U	61 U	280 J	61 U	64 U	65 U
Fluoranthene		260 J	90 J	930	230 J	49 U	49 U
Pyrene		210 J	120 J	970	220 J	54 U	54 U
Benzo(a)anthracene		120 J	50 U	420	130 J	53 U	53 U
Chrysene		140 J	77 J	380	110 J	49 U	49 U
Benzo(b)fluoranthene		100 J	100 U	420	140 J	110 U	110 U
Benzo(k)fluoranthene		59 J	41 U	170 J	61 J	43 U	43 U
Benzo(a)pyrene		73 J	94 J	390	110 J	48 U	48 U
Indeno(1 2 3-cd)pyrene		32 U	38 U	340	74 J	40 U	40 U
Dibenzo(a h)anthracene		35 U	41 U	67 J	41 U	43 U	43 U
Benzo(ghi)perylene		35 U	95 J	380	86 J	43 U	43 U
<b>Total PAHs</b>		1,341	476	6,360	1,381	5,550	8,252

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth of	B-49(20-28)	B-49(10-20)	B-50(14-20)	B-50(20-26)	B-51(18-24)	B-52(10-12)
Lab Sample ID	Carteret	212582-003	212570-017	212602-001	212602-005	212570-010	212550-020
Dilution	Acceptance	1	1	1	1	1	1
Date Sampled	Criteria <sup>1</sup>	4/5/2006	4/5/2006	4/6/2006	4/6/2006	4/4/2006	4/4/2006
Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
Naphthalene		180 J	990	120 U	180 J	66 U	120 U
2-Methylnaphthalene	No standards	160 J	380	120 U	120 J	61 U	110 U
Acenaphthylene	analyzed on	47 U	210 J	90 U	70 J	47 U	83 U
Acenaphthene	case by	63 U	470	120 U	69 U	63 U	110 U
Fluorene	case	50 U	600	94 U	54 U	50 U	87 U
Phenanthrene	basis	45 U	5200	85 U	110 J	99 J	410 J
Anthracene		63 U	970	120 U	69 U	63 U	110 U
Fluoranthene		48 U	3600	110 J	210 J	87 J	480 J
Pyrene		53 U	3800	140 J	260 J	86 J	320 J
Benzo(a)anthracene		52 U	1800	100 J	140 J	52 U	230 JM
Chrysene		48 U	1800	92 U	120 J	48 U	230 JM
Benzo(b)fluoranthene		110 U	1700	200 U	170 J	110 U	230 J
Benzo(k)fluoranthene		43 U	540	81 U	55 J	43 U	75 U
Benzo(a)pyrene		47 U	1500	100 J	130 J	47 U	210 JM
Indeno(1 2 3-cd)pyrene		39 U	1500	74 U	130 J	39 U	220 J
Dibenzo(a h)anthracene		43 U	390	81 U	46 U	43 U	75 U
Benzo(ghi)perylene		43 U	1500	81 U	200 J	43 U	280 J
<b>Total PAHs</b>		340	26,950	450	1,895	272	2,610

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth of</b>	<b>B-52(6-18)</b>
<b>Lab Sample ID</b>	<b>Carteret</b>	
<b>Dilution</b>	<b>Acceptance</b>	<b>not enough</b>
<b>Date Sampled</b>	<b>Criteria<sup>1</sup></b>	<b>sample</b>
<b>Units</b>	<b>µg/Kg</b>	<b>volume for</b>
<b>Compound</b>		<b>analysis</b>
Naphthalene		
2-Methylnaphthalene	No standards	
Acenaphthylene	analyzed on	
Acenaphthene	case by	
Fluorene	case	
Phenanthrene	basis	
Anthracene		
Fluoranthene		
Pyrene		
Benzo(a)anthracene		
Chrysene		
Benzo(b)fluoranthene		
Benzo(k)fluoranthene		
Benzo(a)pyrene		
Indeno(1 2 3-cd)pyrene		
Dibenzo(a h)anthracene		
Benzo(ghi)perylene		
<b>Total PAHs</b>		

**TABLE 2**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes:**

1 - Petroleum waste criteria provided by Clean Earth of Carteret, NJ.

µg/Kg - micrograms per kilogram = parts per billion (ppb)

U - Analyte was not detected at or above the reporting limit.

J - Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).

M - Concentration calculated using manual integration.

**TABLE 3**  
**TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth of Carteret Acceptence Criteria</b>	<b>B-30(18-20)</b>	<b>B-30(20-22)</b>	<b>B-30(22-24)</b>	<b>B-44(16-18)</b>	<b>B-44(18-20)</b>	<b>B-44(20-22)</b>
<b>Lab Sample ID</b>		212469-001	212469-002	212469-003	212550-002	212550-003	212550-004
<b>Dilution</b>		1	1	1	1	1	1
<b>Date Sampled</b>		3/24/2006	3/24/2006	3/24/2006	4/3/2006	4/3/2006	4/3/2006
<b>Units</b>		µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
<b>Compound</b>							
TPH - Diesel Range Organics (DRO)	10,000,000	11,000 U	11,000 U	11,000 U	13,000 J	11,000 J	14,000 J

**TABLE 3**  
**TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth</b>	<b>B-44(22-24)</b>	<b>B-44(14-24)</b>	<b>B-45(0-6)TPH-1</b>	<b>B-45(0-6)TPH-</b>	<b>B-45(0-6)TPH-3</b>	<b>B-45(0-6)TPH-4</b>
<b>Lab Sample ID</b>	<b>of Carteret</b>	<b>212550-005</b>	<b>212550-006</b>	<b>212550-008</b>	<b>212550-009</b>	<b>212550-010</b>	<b>212550-011</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>
<b>Units</b>	<b>µg/kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>							
TPH - Diesel Range Organics (DRO)	10,000,000	11,000 U	11,000 U	620,000	500,000	550,000	560,000

**TABLE 3**  
**TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth</b>	<b>B-46(16-18)</b>	<b>B-46(18-19)</b>	<b>B-46(19-20)</b>	<b>B-46(14-20)A</b>	<b>B-46(14-20)B</b>	<b>B-47(18-20)</b>
<b>Lab Sample ID</b>	<b>of Carteret</b>	<b>212550-013</b>	<b>212550-015</b>	<b>212550-016</b>	<b>212701-011</b>	<b>212701-012</b>	<b>212602-007</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/10/2006</b>
<b>Units</b>	<b>µg/kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>							
TPH - Diesel Range Organics (DRO)	10,000,000	170,000	250,000	11,000 U	75,000	160,000	87,000

**TABLE 3**  
**TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth of Carteret Acceptence Criteria µg/kg</b>	<b>B-47(20-22) 212602-008 1 4/10/2006 µg/Kg</b>	<b>B-47(22-24) 212602-009 1 4/10/2006 µg/Kg</b>	<b>B-48(16-18) 212582-005 1 4/6/2006 µg/Kg</b>	<b>B-48(18-20) 212582-006 1 4/6/2006 µg/Kg</b>	<b>B-48(20-22) 212582-007 1 4/6/2006 µg/Kg</b>	<b>B-48(22-24) 212582-008 1 4/6/2006 µg/Kg</b>
<b>Lab Sample ID</b>							
<b>Dilution</b>							
<b>Date Sampled</b>							
<b>Units</b>							
<b>Compound</b>							
TPH - Diesel Range Organics (DRO)	10,000,000	9,400 U	9,400 U	14,000 J	69,000	20,000 J	16,000 J



**TABLE 3**  
**TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth</b>	<b>B-48(24-26)</b>	<b>B-48(26-28)</b>	<b>B-48(28-30)</b>	<b>B-48(16-24)A</b>	<b>B-48(16-24)B</b>	<b>B-48(24-30)A</b>
<b>Lab Sample ID</b>	<b>of Carteret</b>	<b>212582-010</b>	<b>212582-011</b>	<b>212582-014</b>	<b>212701-005</b>	<b>212701-006</b>	<b>212701-007</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>
<b>Units</b>	<b>µg/kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>							
TPH - Diesel Range Organics (DRO)	10,000,000	11,000 U	11,000 U	11,000 U	110,000	150,000	160,000

**TABLE 3**  
**TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth of Carteret Acceptence Criteria</b>	<b>B-48(24-30)B</b>	<b>B-49(10-12)</b>	<b>B-49(12-14)</b>	<b>B-49(14-16)</b>	<b>B-49(16-18)</b>	<b>B-49(18-20)</b>
<b>Lab Sample ID</b>		<b>212701-008</b>	<b>212570-011</b>	<b>212570-012</b>	<b>212570-014</b>	<b>212570-015</b>	<b>212570-016</b>
<b>Dilution</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>1</b>
<b>Date Sampled</b>		<b>4/6/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>
<b>Units</b>		<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>							
TPH - Diesel Range Organics (DRO)	10,000,000	120,000	110,000	52,000	21,000	1,000,000	230,000

**TABLE 3**  
**TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth of Carteret Acceptance Criteria</b>	<b>B-49(20-22)</b>	<b>B-49(22-24)</b>	<b>B-49(24-26)</b>	<b>B-49(26-28)</b>	<b>B-49(20-28)A</b>	<b>B-49(20-28)B</b>
<b>Lab Sample ID</b>		212570-018	212570-019	212582-001	212582-002	212701-003	212701-004
<b>Dilution</b>		1	1	1	1	1	1
<b>Date Sampled</b>		4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006
<b>Units</b>		µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
<b>Compound</b>							
TPH - Diesel Range Organics (DRO)	10,000,000	30,000	11,000 U	11,000 U	11,000 U	16,000 J	21,000

**TABLE 3**  
**TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth of Carteret Acceptence Criteria</b>	<b>B-50(14-16)</b>	<b>B-50(16-18)</b>	<b>B-50(18-20)</b>	<b>B-50(20-22)</b>	<b>B-50(22-24)</b>	<b>B-50(24-26)</b>
<b>Lab Sample ID</b>		<b>212582-018</b>	<b>212582-019</b>	<b>212582-020</b>	<b>212602-002</b>	<b>212602-003</b>	<b>212602-004</b>
<b>Dilution</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>2</b>
<b>Date Sampled</b>		<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>
<b>Units</b>		<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>							
TPH - Diesel Range Organics (DRO)	10,000,000	52,000	35,000	180,000	160,000	400,000	210,000

**TABLE 3**  
**TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth</b>	<b>B-50(20-26)A</b>	<b>B-50(20-26)B</b>	<b>B-51(18-20)</b>	<b>B-51(20-22)</b>	<b>B-51(22-24)</b>	<b>B-51(18-24)A</b>
<b>Lab Sample ID</b>	<b>of Carteret</b>	<b>212701-001</b>	<b>212701-002</b>	<b>212570-006</b>	<b>212570-008</b>	<b>212570-009</b>	<b>212701-009</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>
<b>Units</b>	<b>µg/kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>							
TPH - Diesel Range Organics (DRO)	10,000,000	190,000	190,000	380,000	11,000 U	11,000 U	21,000

**TABLE 3**  
**TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth</b>	<b>B-51(18-24)B</b>	<b>B-52(6-8)</b>	<b>B-52(8-10)</b>	<b>B-52(10-12)</b>	<b>B-52(12-14)</b>	<b>B-52(14-16)</b>
<b>Lab Sample ID</b>	<b>of Carteret</b>	<b>212701-010</b>	<b>212550-018</b>	<b>212550-019</b>	<b>212550-020</b>	<b>212570-001</b>	<b>212570-002</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>
<b>Units</b>	<b>µg/kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>							
TPH - Diesel Range Organics (DRO)	10,000,000	18,000 J	49,000	930,000	110,000	11,000 U	11,000 U

**TABLE 3**  
**TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth</b>	<b>B-52(16-18)</b>
<b>Lab Sample ID</b>	<b>of Carteret</b>	<b>212570-004</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>4/4/2006</b>
<b>Units</b>	<b>µg/kg</b>	<b>µg/Kg</b>
<b>Compound</b>		
TPH - Diesel Range Organics (DRO)	10,000,000	11,000 U

**TABLE 3**  
**TOTAL PETROLEUM HYDROCARBONS (TPH) IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes:**

U - Analyte was not detected at or above the reporting limit.

J - Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).



**TABLE 4**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth of Carteret Acceptance Criteria <sup>1</sup> µg/kg	B-30(18-20) 212469-001 1 3/24/2006 µg/Kg	B-30(20-22) 212469-002 1 3/24/2006 µg/Kg	B-30(22-24) 212469-003 1 3/24/2006 µg/Kg	B-44(16-18) 212550-002 1 4/3/2006 µg/Kg	B-44(18-20) 212550-003 1 4/3/2006 µg/Kg	B-44(20-22) 212550-004 1 4/3/2006 µg/Kg	B-44(22-24) 212550-005 1 4/3/2006 µg/Kg
Aroclor 1016	NS	3.4 U	3.3 U	3.4 U	3.3 U	3.3 U	3.2 U	3.2 U
Aroclor 1221	NS	1.9 U	1.8 U	1.9 U	1.8 U	1.8 U	1.7 U	1.7 U
Aroclor 1232	NS	2.3 U	2.2 U	2.3 U	2.2 U	2.2 U	2.1 U	2.1 U
Aroclor 1242	NS	3.7 U	3.5 U	3.6 U	3.5 U	3.5 U	3.4 U	3.4 U
Aroclor 1248	NS	3.3 U	3.1 U	3.3 U	3.2 U	3.1 U	3 U	3.1 U
Aroclor 1254	NS	1.5 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U
Aroclor 1260	NS	4.9 U	4.7 U	4.8 U	4.7 U	4.6 U	4.5 U	4.6 U
<b>Total PCBs</b>	<b>50,000</b>	ND	ND	ND	ND	ND	ND	ND

**TABLE 4**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth of</b>	<b>B-44(14-24)</b>	<b>B-45(0-6)</b>	<b>B-46(14-20)</b>	<b>B-47(18-22)</b>	<b>B-48(10-16)</b>	<b>B-48(16-24)</b>	<b>B-48(24-30)</b>
<b>Lab Sample ID</b>	<b>Carteret</b>	<b>212550-006</b>	<b>212550-012</b>	<b>212550-017</b>	<b>212602-010</b>	<b>212582-004</b>	<b>212582-013</b>	<b>212582-015</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria<sup>1</sup> µg/kg</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/4/2006</b>	<b>4/10/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>
<b>Units</b>		<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>	<b>µg/Kg</b>
<b>Compound</b>								
Aroclor 1016	NS	3.1 U	2.7 U	3.1 U	2.9 U	3.2 U	3.4 U	3.3 U
Aroclor 1221	NS	1.7 U	1.5 U	1.7 U	1.6 U	1.7 U	1.8 U	1.8 U
Aroclor 1232	NS	2.1 U	1.8 U	2 U	1.9 U	2.1 U	2.2 U	2.2 U
Aroclor 1242	NS	3.3 U	2.9 U	3.3 U	3.1 U	3.4 U	3.6 U	3.5 U
Aroclor 1248	NS	3 U	29	3 U	2.8 U	3.1 U	3.2 U	3.1 U
Aroclor 1254	NS	1.3 U	98 M	1.3 U	1.2 U	1.4 U	1.4 U	1.4 U
Aroclor 1260	NS	4.4 U	33 M	4.4 U	5.4 J	4.5 U	4.8 U	4.7 U
<b>Total PCBs</b>	<b>50,000</b>	ND	160	ND	5	ND	ND	ND

**TABLE 4**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth of Carteret Acceptance Criteria <sup>1</sup> µg/kg	B-49(10-20) 212570-017 2 4/5/2006 µg/Kg	B-49(20-28) 212582-003 1 4/5/2006 µg/Kg	B-50(14-20) 212602-001 1 4/6/2006 µg/Kg	B-50(20-26) 212602-005 1 4/6/2006 µg/Kg	B-51(18-24) 212570-010 1 4/4/2006 µg/Kg	B-52(6-18)  not enough sample volume for analysis
Aroclor 1016	NS	6.2 U	3.2 U	3.1 U	3.6 U	11 JM	
Aroclor 1221	NS	3.4 U	1.7 U	1.7 U	2 U	14 J	
Aroclor 1232	NS	4.1 U	2.1 U	2.1 U	2.4 U	2.1 U	
Aroclor 1242	NS	6.6 U	3.4 U	3.3 U	3.8 U	3.4 U	
Aroclor 1248	NS	6 U	3.1 U	3 U	3.4 U	3 U	
Aroclor 1254	NS	2.7 U	1.4 U	1.3 U	1.6 U	1.4 U	
Aroclor 1260	NS	250	4.6 U	4.4 U	5.1 U	4.5 U	
<b>Total PCBs</b>	<b>50,000</b>	250	ND	ND	ND	25	

**TABLE 4**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes:**

1 - The Petroleum waste criteria provided by Clean Earth of Carteret, NJ.

µg/Kg - micrograms per kilogram = parts per billion (ppb)

U - Analyte was not detected at or above the reporting limit.

J - Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).

M - Concentration calculated using manual integration.

NS - No Standard

**TABLE 5**  
**TCLP METALS**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Maximum Contamination for RCRA Toxicity <sup>1</sup> (mg/L)	B-30(18-20) 212469-001 1 3/24/2006 mg/L	B-30(20-22) 212469-002 1 3/24/2006 mg/L	B-30(22-24) 212469-003 1 3/24/2006 mg/L	B-44(16-18) 212550-002 1 4/3/2006 mg/L	B-44(18-20) 212550-003 1 4/3/2006 mg/L	B-44(20-22) 212550-004 1 4/3/2006 mg/L	B-44(22-24) 212550-005 1 4/3/2006 mg/L
Arsenic-TCLP	5.0	0.0195 U	0.0279 B	0.0371 B	0.0195 U	0.0195 U	0.0195 U	0.0195 U
Barium-TCLP	100	1	1.54	1.18	0.583	0.596	0.688	0.559
Cadmium-TCLP	1.0	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U
Chromium-TCLP	5.0	0.0074 B	0.0091 B	0.0099 B	0.0065 U	0.0065 U	0.0087 B	0.0099 B
Lead-TCLP	5.0	0.0313 B	0.105	0.429	0.0488 B	0.0242 B	0.123	0.021 B
Mercury- TCLP	0.2	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U
Selenium-TCLP	1.0	0.025 UN	0.025 UN	0.025 UN	0.025 U	0.025 U	0.025 U	0.025 U
Silver-TCLP	5.0	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U

**TABLE 5**  
**TCLP METALS**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Maximum Contamination for RCRA Toxicity <sup>1</sup> (mg/L)	B-44(14-24) 212550-006 1 4/3/2006 mg/L	B-45(0-6) 212550-012 1 4/3/2006 mg/L	B-46(14-20) 212550-017 1 4/4/2006 mg/L	B-47(18-22) 212602-010 1 4/10/2006 mg/L	B-48(10-16) 212582-004 1 4/6/2006 mg/L	B-48(16-24) 212582-013 1 4/6/2006 mg/L	B-48(24-30) 212582-015 1 4/6/2006 mg/L
Arsenic-TCLP	5.0	0.0195 U	0.0195 U	0.0195 U	0.0195 U	0.0227 B	0.0221 B	0.0195 U
Barium-TCLP	100	0.501	0.232	0.483	0.72	0.487	0.454	0.348
Cadmium-TCLP	1.0	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U
Chromium-TCLP	5.0	0.0065 U	0.0085 B	0.0065 U	0.0065 U	0.0065 U	0.0065 U	0.0065 U
Lead-TCLP	5.0	0.015 U	0.015 U	0.0858	1.28	0.107	0.0851	0.022 B
Mercury- TCLP	0.2	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U
Selenium-TCLP	1.0	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Silver-TCLP	5.0	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U

**TABLE 5**  
**TCLP METALS**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Maximum Contamination for RCRA Toxicity <sup>1</sup> (mg/L)</b>	<b>B-49(10-20) 212570-017 1 4/5/2006 mg/L</b>	<b>B-49(20-28) 212582-003 1 4/5/2006 mg/L</b>	<b>B-50(14-20) 212602-001 1 4/6/2006 mg/L</b>	<b>B-50(20-26) 212602-005 1 4/6/2006 mg/L</b>	<b>B-51(18-24) 212570-010 1 4/4/2006 mg/L</b>	<b>B-52(6-18) 212570-005 1 4/4/2006 mg/L</b>
<b>Lab Sample ID</b>							
<b>Dilution</b>							
<b>Date Sampled</b>							
<b>Units</b>							
<b>Compound</b>							
Arsenic-TCLP	5.0	0.0195 U	0.0195 U	0.0346 B	0.0366 B	0.0195 U	0.0195 U
Barium-TCLP	100	0.233	0.36	0.169	0.559	0.535	0.212
Cadmium-TCLP	1.0	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U
Chromium-TCLP	5.0	0.0104 B	0.0065 U	0.0065 U	0.0065 U	0.0118 B	0.0065 U
Lead-TCLP	5.0	0.015 U	0.015 U	0.015 U	0.261	0.0292 B	0.0759
Mercury- TCLP	0.2	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U
Selenium-TCLP	1.0	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Silver-TCLP	5.0	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U

**TABLE 5**  
**TCLP METALS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes:**

1 - RCRA Toxicity Characteristic Leaching Potential (TCLP) maximum contaminant concentrations.  
mg/L - milligrams per liter = parts per million (ppm)

U - Analyte was not detected at or above the reporting limit.

B - Value obtained from a reading that was less than the Contract Required Detection Limit (CRDL).

N - MS/MSD spike recovery exceeds control limits.



**TABLE 6**  
**pH AND CORROSIVITY IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth of</b>	<b>B-30(18-20)</b>	<b>B-30(20-22)</b>	<b>B-30(22-24)</b>	<b>B-44(16-18)</b>	<b>B-44(18-20)</b>	<b>B-44(20-22)</b>	<b>B-44(22-24)</b>	<b>B-44(14-24)</b>
<b>Lab Sample ID</b>	<b>Carteret</b>	<b>212469-001</b>	<b>212469-002</b>	<b>212469-003</b>	<b>212550-002</b>	<b>212550-003</b>	<b>212550-004</b>	<b>212550-005</b>	<b>212550-006</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>3/24/2006</b>	<b>3/24/2006</b>	<b>3/24/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>
<b>Units</b>	<b>pH</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>
<b>Compound</b>									
pH	12.5 > pH >2	8.05	7.69	7.7	7.32	7.42	7.41	7.43	7.46
Corrosivity (pH Solid)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**TABLE 6**  
**pH AND CORROSIVITY IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth of</b>	<b>B-45(0-6)</b>	<b>B-46(14-20)</b>	<b>B-47(18-22)</b>	<b>B-48(10-16)</b>	<b>B-48(16-24)</b>	<b>B-48(24-30)</b>	<b>B-49(10-20)</b>	<b>B-49(20-28)</b>
<b>Lab Sample ID</b>	<b>Carteret</b>	<b>212550-012</b>	<b>212550-017</b>	<b>212602-010</b>	<b>212582-004</b>	<b>212582-013</b>	<b>212582-015</b>	<b>212570-017</b>	<b>212582-003</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>4/3/2006</b>	<b>4/4/2006</b>	<b>4/10/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>
<b>Units</b>	<b>pH</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>
<b>Compound</b>									
pH	12.5 > pH >2	11.87	8.06	11.29	8.07	7.49	7.58	10.8	8.28
Corrosivity (pH Solid)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**TABLE 6**  
**pH AND CORROSIVITY IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth of</b>	<b>B-50(14-20)</b>	<b>B-50(20-26)</b>	<b>B-51(18-24)</b>	<b>B-52(6-18)</b>
<b>Lab Sample ID</b>	<b>Carteret</b>	<b>212602-001</b>	<b>212602-005</b>	<b>212570-010</b>	<b>212570-005</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>
<b>Units</b>	<b>pH</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>
<b>Compound</b>					
pH	12.5 > pH >2	12.32	7.72	8.03	9.38
Corrosivity (pH Solid)	NO	NO	NO	NO	NO

**TABLE 7  
 CYANIDE AND SULFIDE IN SOIL  
 PETROLEUM WASTE CHARACTERIZATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

Client ID	Clean Earth of Carteret	B-30(18-20)	B-30(20-22)	B-30(22-24)	B-44(16-18)	B-44(18-20)	B-44(20-22)	B-44(22-24)
Lab Sample ID	Acceptance	212469-001	212469-002	212469-003	212550-002	212550-003	212550-004	212550-005
Dilution	Criteria	1	1	1	1	1	1	1
Date Sampled	µg/Kg	3/24/2006	3/24/2006	3/24/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006
Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound								
Reactivity Cyanide	ND	ND U	ND U	ND U	ND U	ND U	ND U	ND U

Client ID	Clean Earth of Carteret	B-30(18-20)	B-30(20-22)	B-30(22-24)	B-44(16-18)	B-44(18-20)	B-44(20-22)	B-44(22-24)
Lab Sample ID	Acceptance	212469-001	212469-002	212469-003	212550-002	212550-003	212550-004	212550-005
Dilution	Criteria	1	1	1	1	1	1	1
Date Sampled	mg/Kg	3/24/2006	3/24/2006	3/24/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Compound								
Reactivity Sulfide	ND	12 U	12 U	12 U	12 U	12 U	12 U	12 U

**TABLE 7  
 CYANIDE AND SULFIDE IN SOIL  
 PETROLEUM WASTE CHARACTERIZATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth of Carteret Acceptance Criteria µg/Kg	B-44(14-24) 212550-006 1 4/3/2006 µg/Kg	B-45(0-6) 212550-012 1 4/3/2006 µg/Kg	B-46(14-20) 212550-017 1 4/4/2006 µg/Kg	B-49(20-28) 212582-003 1 4/5/2006 ug/Kg	B-48(10-16) 212582-004 1 4/6/2006 ug/Kg	B-48(16-24) 212582-013 5 4/6/2006 ug/Kg	B-47(18-22) 212602-010 1 4/10/2006 µg/Kg
Reactivity Cyanide	ND	ND U	ND U	ND U	ND U	ND U	ND U	ND U

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth of Carteret Acceptance Criteria mg/Kg	B-44(14-24) 212550-006 1 4/3/2006 mg/Kg	B-45(0-6) 212550-012 1 4/3/2006 mg/Kg	B-46(14-20) 212550-017 1 4/4/2006 mg/Kg	B-48(10-16) 212582-004 1 4/6/2006 mg/Kg	B-48(16-24) 212582-013 1 4/6/2006 mg/Kg	B-48(24-30) 212582-015 1 4/6/2006 mg/Kg	B-47(18-22) 212602-010 1 4/10/2006 mg/Kg
Reactivity Sulfide	ND	12 U	12 U	12 U	12 U	26	150	12 U

**TABLE 7  
 CYANIDE AND SULFIDE IN SOIL  
 PETROLEUM WASTE CHARACTERIZATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth of Carteret Acceptance Criteria µg/Kg	B-49(10-20) 212570-017 1 4/5/2006 µg/Kg	B-48(24-30) 212582-015 1 4/6/2006 ug/Kg	B-50(14-20) 212602-001 1 4/6/2006 µg/Kg	B-50(20-26) 212602-005 1 4/6/2006 µg/Kg	B-51(18-24) 212570-010 1 4/4/2006 µg/Kg
Reactivity Cyanide	ND	ND U	ND U	ND U	ND U	ND U

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth of Carteret Acceptance Criteria mg/Kg	B-49(10-20) 212570-017 1 4/5/2006 mg/Kg	B-49(20-28) 212582-003 1 4/5/2006 mg/Kg	B-50(14-20) 212602-001 1 4/6/2006 mg/Kg	B-50(20-26) 212602-005 1 4/6/2006 mg/Kg	B-51(18-24) 212570-010 1 4/4/2006 mg/Kg
Reactivity Sulfide	ND	12 U	12 U	12 U	130	12 U

**TABLE 7**  
**CYANIDE AND SULFIDE IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes:**

µg/Kg - micrograms per kilogram = parts per billion (ppb)

U - Analyte was not detected at or above the reporting limit.

ND - Not detected

**TABLE 8**  
**PAINT FILTER TEST AND IGNITABILITY IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth</b>	<b>B-30(18-20)</b>	<b>B-30(20-22)</b>	<b>B-30(22-24)</b>	<b>B-44(16-18)</b>	<b>B-45(0-6)</b>	<b>B-46(14-20)</b>	<b>B-47(18-22)</b>	<b>B-48(10-16)</b>
<b>Lab Sample ID</b>	<b>Carteret</b>	<b>212469-001</b>	<b>212469-002</b>	<b>212469-003</b>	<b>212550-002</b>	<b>212550-012</b>	<b>212550-017</b>	<b>212602-010</b>	<b>212582-004</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>3/24/2006</b>	<b>3/24/2006</b>	<b>3/24/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/4/2006</b>	<b>4/10/2006</b>	<b>4/6/2006</b>
<b>Units</b>	<b>Yes/No</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>yes/no</b>	<b>yes/no</b>	<b>yes/no</b>	<b>yes/no</b>	<b>yes/no</b>
<b>Compound</b>									
Paint Filter Test	No				no	no	no	no	no

<b>Client ID</b>	<b>Clean Earth</b>	<b>B-30(18-20)</b>	<b>B-30(20-22)</b>	<b>B-30(22-24)</b>	<b>B-44(16-18)</b>	<b>B-44(18-20)</b>	<b>B-44(20-22)</b>	<b>B-44(22-24)</b>	<b>B-44(14-24)</b>
<b>Lab Sample ID</b>	<b>Carteret</b>	<b>212469-001</b>	<b>212469-002</b>	<b>212469-003</b>	<b>212550-002</b>	<b>212550-003</b>	<b>212550-004</b>	<b>212550-005</b>	<b>212550-006</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>3/24/2006</b>	<b>3/24/2006</b>	<b>3/24/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>
<b>Units</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>
<b>Compound</b>									
Ignitability	Negative	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg



**TABLE 8**  
**PAINT FILTER TEST AND IGNITABILITY IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth</b>	<b>B-48(16-24)</b>	<b>B-48(24-30)</b>	<b>B-49(10-20)</b>	<b>B-49(20-28)</b>	<b>B-50(14-20)</b>	<b>B-50(20-26)</b>	<b>B-51(18-24)</b>
<b>Lab Sample ID</b>	<b>Carteret</b>	<b>212582-013</b>	<b>212582-015</b>	<b>212570-017</b>	<b>212582-003</b>	<b>212602-001</b>	<b>212602-005</b>	<b>212570-010</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/4/2006</b>
<b>Units</b>	<b>Yes/No</b>	<b>yes/no</b>	<b>yes/no</b>	<b>yes/no</b>	<b>yes/no</b>	<b>yes/no</b>	<b>yes/no</b>	<b>yes/no</b>
<b>Compound</b>								
Paint Filter Test	No	no	no	no	no	no	no	no

<b>Client ID</b>	<b>Clean Earth</b>	<b>B-45(0-6)</b>	<b>B-46(14-20)</b>	<b>B-47(18-22)</b>	<b>B-48(10-16)</b>	<b>B-48(16-24)</b>	<b>B-48(24-30)</b>	<b>B-49(10-20)</b>
<b>Lab Sample ID</b>	<b>Carteret</b>	<b>212550-012</b>	<b>212550-017</b>	<b>212602-010</b>	<b>212582-004</b>	<b>212582-013</b>	<b>212582-015</b>	<b>212570-017</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>4/3/2006</b>	<b>4/4/2006</b>	<b>4/10/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/5/2006</b>
<b>Units</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>
<b>Compound</b>								
Ignitability	Negative	Neg	Neg	Neg	Neg	Neg	Neg	Neg

**TABLE 8**  
**PAINT FILTER TEST AND IGNITABILITY IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth</b>	<b>B-52 (6-18)</b>
<b>Lab Sample ID</b>	<b>Carteret</b>	
<b>Dilution</b>	<b>Acceptance</b>	<b>not enough</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>sample</b>
<b>Units</b>	<b>Yes/No</b>	<b>volume for</b>
<b>Compound</b>		<b>analysis</b>
Paint Filter Test	No	

<b>Client ID</b>	<b>Clean Earth</b>	<b>B-49(20-28)</b>
<b>Lab Sample ID</b>	<b>Carteret</b>	<b>212582-003</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>4/5/2006</b>
<b>Units</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>
<b>Compound</b>		
Ignitability	Negative	Neg

**TABLE 9**  
**PERCENT MOISTURE AND PERCENT SOLIDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial</b>	<b>B-30(18-20)</b>	<b>B-30(20-22)</b>	<b>B-30(22-24)</b>	<b>B-44(17.5-18)</b>	<b>B-44(16-18)</b>	<b>B-44(18-20)</b>
<b>Lab Sample ID</b>	<b>Source Soil</b>	<b>212469-001</b>	<b>212469-002</b>	<b>212469-003</b>	<b>212550-001</b>	<b>212550-002</b>	<b>212550-003</b>
<b>Dilution</b>	<b>Requirements</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>(%)</b>	<b>3/24/2006</b>	<b>3/24/2006</b>	<b>3/24/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>
<b>Units</b>		<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>							
<b>% Solids</b>	NS	81.8	85.5	82.5	80.5	85	84.5
<b>% Moisture</b>	15	18.2	14.5	17.5	19.5	15	15.5

**TABLE 9**  
**PERCENT MOISTURE AND PERCENT SOLIDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial</b>	<b>B-44(20-22)</b>	<b>B-44(22-24)</b>	<b>B-44(14-24)</b>	<b>B-45(4.5-5)</b>	<b>B-45(0-6)TPH-1</b>	<b>B-45(0-6)TPH-2</b>
<b>Lab Sample ID</b>	<b>Source Soil</b>	<b>212550-004</b>	<b>212550-005</b>	<b>212550-006</b>	<b>212550-007</b>	<b>212550-008</b>	<b>212550-009</b>
<b>Dilution</b>	<b>Requirements</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>(%)</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>
<b>Units</b>		<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>							
<b>% Solids</b>	NS	85.9	86.4	88.6	76.8	92	88.3
<b>% Moisture</b>	15	14.1	13.6	11.4	23.2	8	11.7

**TABLE 9**  
**PERCENT MOISTURE AND PERCENT SOLIDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial</b>	<b>B-45(0-6)TPH-3</b>	<b>B-45(0-6)TPH-4</b>	<b>B-45(0-6)</b>	<b>B-46(16-18)</b>	<b>B-46(17-17.5)</b>	<b>B-46(18-19)</b>
<b>Lab Sample ID</b>	<b>Source Soil</b>	<b>212550-010</b>	<b>212550-011</b>	<b>212550-012</b>	<b>212550-013</b>	<b>212550-014</b>	<b>212550-015</b>
<b>Dilution</b>	<b>Requirements</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>(%)</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>
<b>Units</b>		<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>							
<b>% Solids</b>	NS	90.3	92.2	104	91.9	76.1	65.4
<b>% Moisture</b>	15	9.7	7.8	0.1	8.1	23.9	34.6

**TABLE 9**  
**PERCENT MOISTURE AND PERCENT SOLIDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial</b>	<b>B-46(19-20)</b>	<b>B-46(14-20)</b>	<b>B-46(14-20)A</b>	<b>B-46(14-20)B</b>	<b>B-47(18-18.5)</b>	<b>B-47(18-20)</b>
<b>Lab Sample ID</b>	<b>Source Soil</b>	<b>212550-016</b>	<b>212550-017</b>	<b>212701-011</b>	<b>212701-012</b>	<b>212602-006</b>	<b>212602-007</b>
<b>Dilution</b>	<b>Requirements</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>(%)</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/10/2006</b>	<b>4/10/2006</b>
<b>Units</b>		<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>							
<b>% Solids</b>	NS	84.7	88.6	88.6	88.6	96.8	89.9
<b>% Moisture</b>	15	15.3	11.4	11.4	11.4	3.2	10.1

**TABLE 9**  
**PERCENT MOISTURE AND PERCENT SOLIDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial</b>	<b>B-47(20-22)</b>	<b>B-47(22-24)</b>	<b>B-47(18-22)</b>	<b>B-48(16-24)A</b>	<b>B-48(16-24)B</b>	<b>B-48(24-30)A</b>
<b>Lab Sample ID</b>	<b>Source Soil</b>	<b>212602-008</b>	<b>212602-009</b>	<b>212602-010</b>	<b>212701-005</b>	<b>212701-006</b>	<b>212701-007</b>
<b>Dilution</b>	<b>Requirements</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>(%)</b>	<b>4/10/2006</b>	<b>4/10/2006</b>	<b>4/10/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/6/2006</b>
<b>Units</b>		<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>							
<b>% Solids</b>	NS	97.2	98.5	96	82.7	82.7	83.4
<b>% Moisture</b>	15	2.8	1.5	4	17.3	17.3	16.6

**TABLE 9**  
**PERCENT MOISTURE AND PERCENT SOLIDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial</b>	<b>B-48(24-30)B</b>	<b>B-49(10-12)</b>	<b>B-49(12-14)</b>	<b>B-49(15.5-16)</b>	<b>B-49(14-16)</b>	<b>B-49(16-18)</b>
<b>Lab Sample ID</b>	<b>Source Soil</b>	<b>212701-008</b>	<b>212570-011</b>	<b>212570-012</b>	<b>212570-013</b>	<b>212570-014</b>	<b>212570-015</b>
<b>Dilution</b>	<b>Requirements</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>(%)</b>	<b>4/6/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>
<b>Units</b>		<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>							
<b>% Solids</b>	NS	83.4	91.8	90	91.1	87.8	79.1
<b>% Moisture</b>	15	16.6	8.2	10	8.9	12.2	20.9



**TABLE 9**  
**PERCENT MOISTURE AND PERCENT SOLIDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial</b>	<b>B-49(18-20)</b>	<b>B-49(10-20)</b>	<b>B-49(20-22)</b>	<b>B-49(22-24)</b>	<b>B-49(25-25.5)</b>	<b>B-49(20-28)A</b>
<b>Lab Sample ID</b>	<b>Source Soil</b>	<b>212570-016</b>	<b>212570-017</b>	<b>212570-018</b>	<b>212570-019</b>	<b>212570-020</b>	<b>212701-003</b>
<b>Dilution</b>	<b>Requirements</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>(%)</b>	<b>4/5/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>	<b>4/5/2006</b>
<b>Units</b>		<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>							
<b>% Solids</b>	NS	70.4	87.9	80.8	84.7	87.6	84.9
<b>% Moisture</b>	15	29.6	12.1	19.2	15.3	12.4	15.1

**TABLE 9**  
**PERCENT MOISTURE AND PERCENT SOLIDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial Source Soil Requirements (%)</b>	<b>B-49(20-28)B 212701-004</b>	<b>B-50(14-20) 212602-001</b>	<b>B-50(20-22) 212602-002</b>	<b>B-50(22-24) 212602-003</b>	<b>B-50(24-26) 212602-004</b>	<b>B-50(20-26) 212602-005</b>
<b>Lab Sample ID</b>		1	1	1	1	1	1
<b>Dilution</b>							
<b>Date Sampled</b>		4/5/2006	4/6/2006	4/6/2006	4/6/2006	4/6/2006	4/6/2006
<b>Units</b>		%	%	%	%	%	%
<b>Compound</b>							
<b>% Solids</b>	NS	84.9	90.3	80.6	71.8	79.8	76.2
<b>% Moisture</b>	15	15.1	9.7	19.4	28.2	20.2	23.8

**TABLE 9**  
**PERCENT MOISTURE AND PERCENT SOLIDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial</b>	<b>B-50(20-26)A</b>	<b>B-50(20-26)B</b>	<b>B-51(18-20)</b>	<b>B-51(21-21.5)</b>	<b>B-51(20-22)</b>	<b>B-51(22-24)</b>
<b>Lab Sample ID</b>	<b>Source Soil</b>	<b>212701-001</b>	<b>212701-002</b>	<b>212570-006</b>	<b>212570-007</b>	<b>212570-008</b>	<b>212570-009</b>
<b>Dilution</b>	<b>Requirements</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>(%)</b>	<b>4/6/2006</b>	<b>4/6/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>
<b>Units</b>		<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>							
<b>% Solids</b>	NS	76.2	76.2	87.3	88.1	83.4	86.7
<b>% Moisture</b>	15	23.8	23.8	12.7	11.9	16.6	13.3

**TABLE 9**  
**PERCENT MOISTURE AND PERCENT SOLIDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial</b>	<b>B-51(18-24)</b>	<b>B-51(18-24)A</b>	<b>B-51(18-24)B</b>	<b>B-52(12-14)</b>	<b>B-52(14-16)</b>	<b>B-52(15.5-16)</b>
<b>Lab Sample ID</b>	<b>Source Soil</b>	<b>212570-010</b>	<b>212701-009</b>	<b>212701-010</b>	<b>212570-001</b>	<b>212570-002</b>	<b>212570-003</b>
<b>Dilution</b>	<b>Requirements</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>(%)</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>
<b>Units</b>		<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>							
<b>% Solids</b>	NS	85.7	85.7	85.7	87.5	84.3	66.2
<b>% Moisture</b>	15	14.3	14.3	14.3	12.5	15.7	33.8

**TABLE 9**  
**PERCENT MOISTURE AND PERCENT SOLIDS IN SOIL**  
**PETROLEUM WASTE CHARACTERIZATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial</b>	<b>B-52(16-18)</b>	<b>B-52(6-18)</b>	<b>B-52(6-8)</b>	<b>B-52(8-10)</b>	<b>B-52(10-12)</b>
<b>Lab Sample ID</b>	<b>Source Soil</b>	<b>212570-004</b>	<b>212570-005</b>	<b>212550-018</b>	<b>212550-019</b>	<b>212550-020</b>
<b>Dilution</b>	<b>Requirements</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>(%)</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>
<b>Units</b>		<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>						
% Solids	NS	83.3	95.1	83.7	80.2	93.7
% Moisture	15	16.7	4.9	16.3	19.8	6.3

**ATTACHMENT H**  
**ANALYTICAL RESULTS FOR WASTE CLASSIFICATION**

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-20(0-6)A 212630-009 1 4/10/2006 mg/L	B-20(0-6)B 212630-010 1 4/10/2006 mg/L	B-20(0-6)C 212630-011 1 4/10/2006 mg/L	B-20(0-6)D 212630-012 1 4/10/2006 mg/L	B-20(0-6)E 212630-013 1 4/10/2006 mg/L	B-20(0-6)F 212630-014 1 4/10/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0033 JT	0.0036 JT	0.0032 JT	0.011 T	0.0035 JT	0.004 JT
Chloroform-TCLP	6	0.0007 U	0.0007 U	0.0007 U	0.0007 UH	0.0007 U	0.0007 U
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.0004 J	0.0004 U	0.0004 U	0.0004 UH	0.0004 U
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-21(0-6)A 212630-003 1 4/10/2006 mg/L	B-21(0-6)B 212630-004 1 4/10/2006 mg/L	B-21(0-6)C 212630-005 1 4/10/2006 mg/L	B-21(0-6)D 212630-006 1 4/10/2006 mg/L	B-21(0-6)E 212630-007 1 4/10/2006 mg/L	B-21(0-6)F 212630-008 1 4/10/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0034 JT	0.0033 JT	0.0066 JT	0.0029 JT	0.0033 JT	0.0033 JT
Chloroform-TCLP	6	0.0008 J	0.00083 J	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.0004 U	0.00041 J	0.0004 U	0.0004 U	0.0004 U
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.00065 J	0.0005 U	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U



**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-22(0-6)A 212628-009 1 4/10/2006 mg/L	B-22(0-6)B 212628-010 1 4/10/2006 mg/L	B-22(0-6)C 212628-011 1 4/10/2006 mg/L	B-22(0-6)D 212628-012 1 4/10/2006 mg/L	B-22(0-6)E 212628-013 1 4/10/2006 mg/L	B-22(0-6)F 212628-014 1 4/10/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0091 JHT	0.0037 JT	0.0012 UT	0.0038 JT	0.0038 JT	0.0039 JT
Chloroform-TCLP	6	0.00072 J	0.00077 J	0.0007 U	0.00072 J	0.00076 J	0.00075 J
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-23(0-6)A 212660-026 1 4/13/2006 mg/L	B-23(0-6)B 212660-027 1 4/13/2006 mg/L	B-23(0-6)C 212660-028 1 4/13/2006 mg/L	B-23(0-6)D 212660-029 1 4/13/2006 mg/L	B-23(0-6)E 212660-030 1 4/13/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0076 J	0.0012 U	0.0029 JH	0.0012 U	0.006 J
Chloroform-TCLP	6	0.00072 J	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 UBT	0.0007 UBT	0.0007 UBT	0.0007 UBT	0.0007 UBT
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-23(0-6)F 212660-031 1 4/13/2006 mg/L	B-24(0-6)A 212660-032 1 4/13/2006 mg/L	B-24(0-6)B 212660-033 1 4/13/2006 mg/L	B-24(0-6)C 212660-034 1 4/13/2006 mg/L	B-25(0-6)A 212660-006 1 4/12/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0012 U	0.016	0.0012 U	0.012	0.0027 JH
Chloroform-TCLP	6	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 UBT	0.0007 UBT	0.0007 UBT	0.0007 UBT	0.0007 UT
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-25(0-6)B 212660-007 1 4/12/2006 mg/L	B-25(0-6)C 212660-008 1 4/12/2006 mg/L	B-25(0-6)D 212660-009 1 4/12/2006 mg/L	B-25(0-6)E 212660-010 1 4/12/2006 mg/L	B-25(0-6)F 212660-011 1 4/12/2006 mg/L	B-26(0-2) 212671-001 1 4/13/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0012 U	0.0012 U	0.0012 U	0.018	0.0012 U	0.0012 UT
Chloroform-TCLP	6	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 UT	0.0007 UT	0.0007 UT	0.0007 UT	0.0007 UT	0.0007 U
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.0005 U	0.00084 J	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-26(2-4) 212671-002 1 4/13/2006 mg/L	B-26(0-6)A 212491-008 1 3/28/2006 mg/L	B-26(0-6)B 212491-009 1 3/28/2006 mg/L	B-26(0-6)C 212491-010 1 3/28/2006 mg/L	B-26(0-6)D 212491-011 1 3/28/2006 mg/L	B-26(0-6)E 212491-012 1 3/28/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0012 UT	0.0024 JT	0.0031 JT	0.0029 JT	0.0027 JT	0.0023 JT
Chloroform-TCLP	6	0.0007 U	0.0007 UH	0.0007 U	0.0007 UH	0.0007 UH	0.0007 UH
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.00072 J	0.00043 J	0.00097 J	0.0011 J	0.0004 U
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-29(0-6)A 212491-003 1 3/28/2006 mg/L	B-29(0-6)B 212491-004 1 3/28/2006 mg/L	B-29(0-6)C 212491-005 1 3/28/2006 mg/L	B-29(0-6)D 212491-006 1 3/28/2006 mg/L	B-29(0-6)E 212491-007 1 3/28/2006 mg/L	B-43(0-2) 212671-003 1 4/14/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.002 JT	0.0026 JT	0.03 T	0.0021 JT	0.0018 JT	0.0048 JT
Chloroform-TCLP	6	0.0007 UH	0.0007 U	0.0007 U	0.0007 UH	0.0007 UH	0.00085 J
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.0015 J	0.0005 U	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-43(2-4) 212671-004 1 4/14/2006 mg/L	B-43(0-6)A 212519-003 1 3/30/2006 mg/L	B-43(0-6)B 212519-004 1 3/30/2006 mg/L	B-43(0-6)C 212519-005 1 3/30/2006 mg/L	B-43(0-6)D 212519-006 1 3/30/2006 mg/L	B-43(0-6)E 212519-007 1 3/30/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0012 UT	0.0043 JT	0.0076 JT	0.0096 JT	0.035 T	0.004 JT
Chloroform-TCLP	6	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0022 J	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-43(6-14)A 212519-008 1 3/30/2006 mg/L	B-43(6-14)B 212519-009 1 3/30/2006 mg/L	B-43(6-14)C 212519-010 1 3/30/2006 mg/L	B-43(6-14)D 212519-011 1 3/30/2006 mg/L	B-43(6-14)E 212519-012 1 3/30/2006 mg/L	B-44(0-6)A 212555-003 1 4/3/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.004 JT	0.0026 JT	0.0043 JT	0.0037 JT	0.0081 JT	0.0039 JB
Chloroform-TCLP	6	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.00046 J
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U



**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-44(0-6)B 212555-004 1 4/3/2006 mg/L	B-44(0-6)C 212555-005 1 4/3/2006 mg/L	B-44(0-6)D 212555-006 1 4/3/2006 mg/L	B-44(0-6)E 212555-007 1 4/3/2006 mg/L	B-44(0-14)A* 212555-008 1 4/3/2006 mg/L	B-44(0-14)B* 212555-009 1 4/3/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0071 JB	0.0036 JB	0.0043 JB	0.026 B	0.004 JB	0.0041 JB
Chloroform-TCLP	6	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.00056 J	0.0004 U	0.00042 J	0.00054 J	0.0004 U	0.0004 U
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.0005 U	0.0009 J	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-44(0-14)C* 212555-010 1 4/3/2006 mg/L	B-44(0-14)D* 212555-011 1 4/3/2006 mg/L	B-44(0-14)E* 212555-012 1 4/3/2006 mg/L	B-46(0-6)A 212581-003 1 4/4/2006 ug/Kg	B-46(0-6)B 212581-004 1 4/4/2006 ug/Kg	B-46(0-6)C 212581-005 1 4/4/2006 ug/Kg
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0042 JB	0.0041 JB	0.0038 JB	0.017 T	0.0042 JT	0.0038 JT
Chloroform-TCLP	6	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.00043 J	0.00054 J	0.0004 U	0.0004 J	0.00051 J	0.0004 U
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.0005 U	0.0015 J	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-46(0-6)D 212581-006 1 4/4/2006 ug/Kg	B-47(10-18)A 212628-003 1 4/10/2006 mg/L	B-47(10-18)B 212628-004 1 4/10/2006 mg/L	B-47(10-18)C 212628-005 1 4/10/2006 mg/L	B-47(10-18)D 212628-006 1 4/10/2006 mg/L	B-47(10-18)E 212628-007 1 4/10/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0073 JT	0.0077 JT	0.0033 JT	0.0033 JT	0.0025 JT	0.0056 JT
Chloroform-TCLP	6	0.0007 U	0.0007 U	0.00075 J	0.0007 U	0.0007 J	0.00077 J
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.0004 U	0.0004 U	0.00047 J	0.0004 U	0.00059 J
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Tetrachloroethene-TCLP	0.7	0.0005 U	0.00058 JH	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-47(10-18)F 212628-008 1 4/10/2006 mg/L	B-52(0-6)A 212581-007 1 4/4/2006 ug/Kg	B-52(0-6)B 212581-008 1 4/4/2006 ug/Kg	B-52(0-6)C 212581-009 1 4/4/2006 ug/Kg	B-52(0-6)D 212581-010 1 4/4/2006 ug/Kg	B-53(0-6)A 212660-012 1 4/12/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.012 T	0.019 T	0.013 T	0.0012 UT	0.0037 JT	0.0012 U
Chloroform-TCLP	6	0.00075 J	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.00049 J
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 UBT
Tetrachloroethene-TCLP	0.7	0.0007 J	0.0017 J	0.0017 J	0.0005 U	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-53(0-6)B 212660-013 1 4/12/2006 mg/L	B-53(0-6)C 212660-014 1 4/12/2006 mg/L	B-53(0-6)D 212660-015 1 4/12/2006 mg/L	B-53(0-6)E 212660-016 1 4/12/2006 mg/L	B-53(0-6)F 212660-017 1 4/12/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0012 U	0.0012 U	0.0071 J	0.0012 U	0.0012 U
Chloroform-TCLP	6	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.00054 J	0.0004 U	0.0004 U	0.0004 U	0.00058 J
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 UBT	0.0007 UBT	0.0007 UBT	0.0007 UBT	0.0007 UBT
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.00084 J	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-54(0-6)A 212660-018 1 4/13/2006 mg/L	B-54(0-6)B 212660-019 1 4/13/2006 mg/L	B-54(0-6)C 212660-020 1 4/13/2006 mg/L	B-54(0-6)D 212660-021 1 4/13/2006 mg/L	B-54(0-6)E 212660-022 1 4/13/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0012 U	0.0012 U	0.0033 JH	0.0012 U	0.0012 U
Chloroform-TCLP	6	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 UBT	0.0007 UBT	0.0007 UBT	0.0007 UBT	0.0007 UBT
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

**TABLE 1A**  
**TCLP - VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits As Defined By 40-CFR <sup>1</sup> mg/L	B-54(0-6)F 212660-023 1 4/13/2006 mg/L	B-54(0-6)G 212660-024 1 4/13/2006 mg/L	B-54(0-6)H 212660-025 1 4/13/2006 mg/L
Vinyl chloride-TCLP	0.2	0.0008 U	0.0008 U	0.0008 U
1 1-Dichloroethene-TCLP	0.7	0.0007 U	0.0007 U	0.0007 U
2-Butanone (MEK)-TCLP	200	0.0012 U	0.0012 U	0.0012 U
Chloroform-TCLP	6	0.00074 J	0.0007 J	0.00078 J
Carbon tetrachloride-TCLP	0.5	0.001 U	0.001 U	0.001 U
Benzene-TCLP	0.5	0.0004 U	0.0004 U	0.0004 U
1 2-Dichloroethane-TCLP	0.5	0.0006 U	0.0006 U	0.0006 U
Trichloroethene-TCLP	0.5	0.0007 UBT	0.0007 UBT	0.0007 UBT
Tetrachloroethene-TCLP	0.7	0.0005 U	0.0005 U	0.0005 U
Chlorobenzene-TCLP	100	0.0004 U	0.0004 U	0.0004 U

**TABLE 1**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR BENEFICIAL USE DETERMINATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes**

1- Non hazardous waste as defined by the Federal Code of Regulations for hazardous waste (40 CFR) using the Toxicity Characteristic Leaching Procedure (TCLP).

Exceedences are highlighted in bold font.

mg/L - micrograms per liter = parts per million (ppm).

U - Analyte was not detected at or above the reporting limit.

H - concentration was calculated using manual alternate peak selection.

J - Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).

B - Compound was found in the blank and sample.

\* - These samples were collected from the 6-14 foot depth interval, and were originally named B-44(6-14)A through E. The laboratory erroneously named them B-44(0-14)A through E for the VOA TCLP analysis.



**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-20(0-6)A 212630-009 1 4/10/2006 ug/Kg	B-20(0-6)B 212630-010 1 4/10/2006 ug/Kg	B-20(0-6)C 212630-011 1 4/10/2006 ug/Kg	B-20(0-6)D 212630-012 1 4/10/2006 ug/Kg	B-20(0-6)E 212630-013 1 4/10/2006 ug/Kg	B-20(0-6)F 212630-014 1 4/10/2006 ug/Kg
Chloromethane	NS	1 U	1 U	0.99 U	0.99 U	1 U	1 U
Vinyl chloride	NS	0.96 U	0.97 U	0.96 U	0.96 U	0.98 U	0.98 U
Bromomethane	NS	0.91 U	0.91 U	0.9 U	0.9 U	0.93 U	0.92 U
Chloroethane	NS	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
1 1-Dichloroethene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	NS	0.68 U	0.68 U	0.67 U	0.67 U	0.69 U	0.68 U
Acetone	NS	3.5 U	24	3.5 U	13 J	23	15 J
Methylene chloride	NS	15 JB	12 JB	11 JB	15 JB	13 JB	14 JB
trans-1 2-Dichloroethene	NS	0.64 U	0.65 U	0.64 U	0.64 U	0.65 U	0.65 U
Methyl-tert-butyl-ether (MTBE)	NS	1 U	1 U	1 U	1 U	1 U	1 U
1 1-Dichloroethane	NS	0.9 U	0.9 U	0.89 U	0.89 U	0.91 U	0.91 U
cis-1 2-Dichloroethene	NS	1.2 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U
2-Butanone (MEK)	NS	2 U	2 U	2 U	2 U	2 U	2 U
Chloroform	NS	0.59 U	0.59 U	0.58 U	0.58 U	0.6 U	0.59 U
1 1 1-Trichloroethane	NS	0.93 U	0.94 U	0.92 U	0.93 U	0.95 U	0.94 U
Carbon tetrachloride	NS	0.86 U	0.87 U	0.86 U	0.86 U	0.88 U	0.87 U
Benzene	NS	0.95 U	0.96 U	0.95 U	0.95 U	0.97 U	0.96 U
1 2-Dichloroethane	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	NS	0.75 U	0.76 U	0.75 U	0.75 U	0.77 U	0.76 U
1 2-Dichloropropane	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	NS	0.93 U	0.94 U	0.92 U	0.93 U	0.95 U	0.94 U
cis-1 3-Dichloropropene	NS	0.86 U	0.87 U	0.86 U	0.86 U	0.88 U	0.87 U
4-Methyl-2-pentanone (MIBK)	NS	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Toluene	NS	0.93 U	1.4 J	0.92 U	0.93 U	0.95 U	0.94 U
trans-1 3-Dichloropropene	NS	1 U	1 U	1 U	1 U	1 U	1 U
1 1 2-Trichloroethane	NS	1.2 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U
Tetrachloroethene	NS	0.78 U	0.78 U	0.77 U	0.77 U	0.79 U	0.78 U
2-Hexanone	NS	2.8 U	2.8 U	2.8 U	2.8 U	2.9 U	2.8 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-20(0-6)A 212630-009 1 4/10/2006 ug/Kg	B-20(0-6)B 212630-010 1 4/10/2006 ug/Kg	B-20(0-6)C 212630-011 1 4/10/2006 ug/Kg	B-20(0-6)D 212630-012 1 4/10/2006 ug/Kg	B-20(0-6)E 212630-013 1 4/10/2006 ug/Kg	B-20(0-6)F 212630-014 1 4/10/2006 ug/Kg
Dibromochloromethane	NS	0.45 U	0.46 U	0.45 U	0.45 U	0.46 U	0.46 U
Chlorobenzene	NS	0.88 U	0.88 U	0.87 U	0.87 U	0.89 U	0.89 U
Ethylbenzene	NS	0.88 U	0.88 U	0.87 U	0.87 U	0.89 U	0.89 U
Styrene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromoform	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1 1 2 2-Tetrachloroethane	NS	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.4 U
Xylenes (total)	NS	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
<b>Total VOCs</b>	<b>30,000,000</b>	15	37	11	28	36	29

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-21(0-6)A 212630-003 1 4/10/2006 ug/Kg	B-21(0-6)B 212630-004 1 4/10/2006 ug/Kg	B-21(0-6)C 212630-005 1 4/10/2006 ug/Kg	B-21(0-6)D 212630-006 1 4/10/2006 ug/Kg	B-21(0-6)E 212630-007 1 4/10/2006 ug/Kg	B-21(0-6)F 212630-008 1 4/10/2006 ug/Kg
Chloromethane	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Vinyl chloride	NS	1 U	1.1 U	1 U	1 U	1 U	1.1 U
Bromomethane	NS	0.96 U	0.99 U	0.97 U	0.99 U	0.96 U	1 U
Chloroethane	NS	2.2 U	2.3 U	2.2 U	2.3 U	2.2 U	2.3 U
1 1-Dichloroethene	NS	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Carbon disulfide	NS	0.71 U	0.74 U	0.72 U	0.73 U	0.72 U	0.75 U
Acetone	NS	3.7 U	3.8 U	4.1 J	3.8 U	3.7 U	3.9 U
Methylene chloride	NS	12 JB	12 JB	13 JB	15 JB	10 JB	13 JB
trans-1 2-Dichloroethene	NS	0.68 U	0.7 U	0.68 U	0.7 U	0.68 U	0.71 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1 1-Dichloroethane	NS	0.95 U	0.98 U	0.96 U	0.98 U	0.95 U	1 U
cis-1 2-Dichloroethene	NS	1.2 U	1.3 U	1.2 U	1.3 U	1.2 U	1.3 U
2-Butanone (MEK)	NS	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U
Chloroform	NS	0.62 U	0.64 U	0.62 U	0.64 U	0.62 U	0.65 U
1 1 1-Trichloroethane	NS	0.98 U	1 U	0.99 U	1 U	0.99 U	1 U
Carbon tetrachloride	NS	0.91 U	0.94 U	0.92 U	0.94 U	0.92 U	0.96 U
Benzene	NS	1 U	1 U	1 U	1 U	1 U	1.1 U
1 2-Dichloroethane	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Trichloroethene	NS	0.8 U	0.82 U	0.8 U	0.82 U	0.8 U	0.84 U
1 2-Dichloropropane	NS	1.2 U	1.3 U	1.2 U	1.3 U	1.2 U	1.3 U
Bromodichloromethane	NS	0.98 U	1 U	0.99 U	1 U	0.99 U	1 U
cis-1 3-Dichloropropene	NS	0.91 U	0.94 U	0.92 U	0.94 U	0.92 U	0.96 U
4-Methyl-2-pentanone (MIBK)	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Toluene	NS	0.98 U	1 U	0.99 U	1 U	0.99 U	1 U
trans-1 3-Dichloropropene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1 1 2-Trichloroethane	NS	1.2 U	1.3 U	1.2 U	1.3 U	1.2 U	1.3 U
Tetrachloroethene	NS	0.82 U	0.85 U	0.83 U	0.84 U	0.82 U	0.86 U
2-Hexanone	NS	3 U	3.1 U	3 U	3 U	3 U	3.1 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup>	B-21(0-6)A 212630-003	B-21(0-6)B 212630-004	B-21(0-6)C 212630-005	B-21(0-6)D 212630-006	B-21(0-6)E 212630-007	B-21(0-6)F 212630-008
Lab Sample ID		1	1	1	1	1	1
Dilution							
Date Sampled		4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/10/2006
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Compound							
Dibromochloromethane	NS	0.48 U	0.5 U	0.48 U	0.49 U	0.48 U	0.5 U
Chlorobenzene	NS	0.92 U	0.95 U	0.93 U	0.95 U	0.93 U	0.97 U
Ethylbenzene	NS	0.92 U	0.95 U	0.93 U	0.95 U	0.93 U	0.97 U
Styrene	NS	1.2 U	1.3 U	1.2 U	1.3 U	1.2 U	1.3 U
Bromoform	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1 1 2 2-Tetrachloroethane	NS	1.4 U	1.5 U	1.4 U	1.5 U	1.4 U	1.5 U
Xylenes (total)	NS	2.3 U	2.4 U	2.3 U	2.4 U	2.3 U	2.4 U
<b>Total VOCs</b>	<b>30,000,000</b>	12	12	17	15	10	13

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-22(0-6)A 212628-009 1 4/10/2006 ug/Kg	B-22(0-6)B 212628-010 1 4/10/2006 ug/Kg	B-22(0-6)C 212628-011 1 4/10/2006 ug/Kg	B-22(0-6)D 212628-012 1 4/10/2006 ug/Kg	B-22(0-6)E 212628-013 1 4/10/2006 ug/Kg	B-22(0-6)F 212628-014 1 4/10/2006 ug/Kg
Chloromethane	NS	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Vinyl chloride	NS	1 U	0.98 U	1 U	1 U	1 U	1 U
Bromomethane	NS	0.95 U	0.92 U	0.96 U	0.98 U	0.98 U	0.97 U
Chloroethane	NS	2.2 U	2.1 U	2.2 U	2.2 U	2.3 U	2.2 U
1 1-Dichloroethene	NS	1.3 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Carbon disulfide	NS	0.71 U	0.69 U	0.72 U	0.73 U	0.73 U	0.72 U
Acetone	NS	28	24	16 J	14 J	28	21 J
Methylene chloride	NS	19 JB	11 JB	12 JB	11 JB	14 JB	13 JB
trans-1 2-Dichloroethene	NS	0.67 U	0.65 U	0.68 U	0.69 U	0.69 U	0.68 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1 1-Dichloroethane	NS	0.94 U	0.91 U	0.95 U	0.96 U	0.97 U	0.96 U
cis-1 2-Dichloroethene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
2-Butanone (MEK)	NS	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U
Chloroform	NS	0.61 U	0.6 U	0.62 U	0.63 U	0.63 U	0.62 U
1 1 1-Trichloroethane	NS	0.97 U	0.95 U	0.98 U	1 U	1 U	0.99 U
Carbon tetrachloride	NS	0.9 U	0.88 U	0.91 U	0.93 U	0.93 U	0.92 U
Benzene	NS	1 U	0.97 U	1 U	1 U	1 U	1 U
1 2-Dichloroethane	NS	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U
Trichloroethene	NS	0.79 U	0.77 U	0.8 U	0.81 U	0.81 U	0.8 U
1 2-Dichloropropane	NS	1.2 U	1.2 U	1.2 U	1.3 U	1.3 U	1.2 U
Bromodichloromethane	NS	0.97 U	0.95 U	0.98 U	1 U	1 U	0.99 U
cis-1 3-Dichloropropene	NS	0.9 U	0.88 U	0.91 U	0.93 U	0.93 U	0.92 U
4-Methyl-2-pentanone (MIBK)	NS	1.4 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U
Toluene	NS	1.4 J	1.3 J	1.2 J	1 U	1.3 J	0.99 U
trans-1 3-Dichloropropene	NS	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1 1 2-Trichloroethane	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethene	NS	0.81 U	0.79 U	0.82 U	0.83 U	0.84 U	0.83 U
2-Hexanone	NS	2.9 U	2.9 U	3 U	3 U	3 U	3 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup>	B-22(0-6)A 212628-009	B-22(0-6)B 212628-010	B-22(0-6)C 212628-011	B-22(0-6)D 212628-012	B-22(0-6)E 212628-013	B-22(0-6)F 212628-014
Lab Sample ID		1	1	1	1	1	1
Dilution		4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/10/2006
Date Sampled		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Units							
Compound							
Dibromochloromethane	NS	0.47 U	0.46 U	0.48 U	0.49 U	0.49 U	0.48 U
Chlorobenzene	NS	0.91 U	0.89 U	0.93 U	0.94 U	0.95 U	0.93 U
Ethylbenzene	NS	0.91 U	0.89 U	0.93 U	0.94 U	0.95 U	0.93 U
Styrene	NS	1.2 U	1.2 U	1.2 U	1.3 U	1.3 U	1.2 U
Bromoform	NS	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U
1 1 2 2-Tetrachloroethane	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Xylenes (total)	NS	2.3 U	2.2 U	2.3 U	2.3 U	2.3 U	2.3 U
<b>Total VOCs</b>	<b>30,000,000</b>	48.4	36.3	29.2	25	43.3	34

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-23(0-6)A 212660-026 1 4/13/2006 ug/Kg	B-23(0-6)B 212660-027 1 4/13/2006 ug/Kg	B-23(0-6)C 212660-028 1 4/13/2006 ug/Kg	B-23(0-6)D 212660-029 1 4/13/2006 ug/Kg	B-23(0-6)E 212660-030 1 4/13/2006 ug/Kg
Chloromethane	NS	1.1 U	1 U	1 U	1 U	1 U
Vinyl chloride	NS	1 U	1 U	1 U	1 U	0.99 U
Bromomethane	NS	0.96 U	0.95 U	0.95 U	0.95 U	0.93 U
Chloroethane	NS	2.2 U	2.2 U	2.2 U	2.2 U	2.1 U
1 1-Dichloroethene	NS	1.3 U	1.3 U	1.3 U	1.3 U	1.2 U
Carbon disulfide	NS	0.71 U	0.71 U	0.71 U	0.71 U	0.69 U
Acetone	NS	6.9 J	40	7.6 J	8.3 J	7.6 J
Methylene chloride	NS	17 JB	18 JB	17 JB	23 JB	19 JB
trans-1 2-Dichloroethene	NS	0.68 U	0.67 U	0.67 U	0.68 U	0.66 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1 1-Dichloroethane	NS	0.95 U	0.94 U	0.94 U	0.94 U	0.92 U
cis-1 2-Dichloroethene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
2-Butanone (MEK)	NS	2.1 U	2.1 U	2.1 U	2.1 U	2 U
Chloroform	NS	0.62 U	0.62 U	0.62 U	0.62 U	0.6 U
1 1 1-Trichloroethane	NS	0.98 U	0.98 U	0.98 U	0.98 U	0.95 U
Carbon tetrachloride	NS	0.91 U	0.91 U	0.91 U	0.91 U	0.89 U
Benzene	NS	1 U	1 U	1 U	1 U	0.98 U
1 2-Dichloroethane	NS	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U
Trichloroethene	NS	0.79 U	0.79 U	0.79 U	0.79 U	0.77 U
1 2-Dichloropropane	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	NS	0.98 U	0.98 U	0.98 U	0.98 U	0.95 U
cis-1 3-Dichloropropene	NS	0.91 U	0.91 U	0.91 U	0.91 U	0.89 U
4-Methyl-2-pentanone (MIBK)	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.3 U
Toluene	NS	0.98 UB	0.98 UB	0.98 U	0.98 UB	0.95 UB
trans-1 3-Dichloropropene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1 U
1 1 2-Trichloroethane	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethene	NS	0.82 U	0.81 U	0.81 U	0.81 U	0.79 U
2-Hexanone	NS	3 U	2.9 U	2.9 U	2.9 U	2.9 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth Philadelphia Acceptance Criteria<sup>1</sup></b>	<b>B-23(0-6)A</b>	<b>B-23(0-6)B</b>	<b>B-23(0-6)C</b>	<b>B-23(0-6)D</b>	<b>B-23(0-6)E</b>
<b>Lab Sample ID</b>		<b>212660-026</b>	<b>212660-027</b>	<b>212660-028</b>	<b>212660-029</b>	<b>212660-030</b>
<b>Dilution</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>		<b>4/13/2006</b>	<b>4/13/2006</b>	<b>4/13/2006</b>	<b>4/13/2006</b>	<b>4/13/2006</b>
<b>Units</b>		<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>
<b>Compound</b>						
Dibromochloromethane	NS	0.48 U	0.48 U	0.48 U	0.48 U	0.47 U
Chlorobenzene	NS	0.92 U	0.92 U	0.92 U	0.92 U	0.9 U
Ethylbenzene	NS	0.92 U	0.92 U	0.92 U	0.92 U	0.9 U
Styrene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromoform	NS	1.2 U	1.1 U	1.1 U	1.2 U	1.1 U
1 1 2 2-Tetrachloroethane	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Xylenes (total)	NS	2.3 U	2.3 U	2.3 U	2.3 U	2.2 U
<b>Total VOCs</b>	<b>30,000,000</b>	24.88	58.98	24.6	32.28	27.55



**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-23(0-6)F 212660-031 1 4/13/2006 ug/Kg	B-24(0-6)A 212660-032 1 4/13/2006 ug/Kg	B-24(0-6)B 212660-033 1 4/13/2006 ug/Kg	B-24(0-6)C 212660-034 1 4/13/2006 ug/Kg	B-25(0-6)A 212660-006 1 4/12/2006 ug/Kg
Chloromethane	NS	1 U	1 U	1 U	1.1 U	1.3 U
Vinyl chloride	NS	1 U	1 U	1 U	1 U	1.2 U
Bromomethane	NS	0.94 U	0.94 U	0.95 U	0.97 U	1.2 U
Chloroethane	NS	2.2 U	2.2 U	2.2 U	2.2 U	2.7 U
1 1-Dichloroethene	NS	1.2 U	1.2 U	1.3 U	1.3 U	1.5 U
Carbon disulfide	NS	0.7 U	0.7 U	0.71 U	0.72 U	0.87 U
Acetone	NS	7.6 J	3.6 U	6.1 J	3.7 U	4.5 U
Methylene chloride	NS	17 JB	21 JB	33 B	29 B	48 B
trans-1 2-Dichloroethene	NS	0.66 U	0.66 U	0.67 U	0.68 U	0.82 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U
1 1-Dichloroethane	NS	0.93 U	0.93 U	0.94 U	0.96 U	1.2 U
cis-1 2-Dichloroethene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.5 U
2-Butanone (MEK)	NS	2 U	2 U	2.1 U	2.1 U	2.5 U
Chloroform	NS	0.61 U	0.61 U	0.62 U	0.63 U	0.75 U
1 1 1-Trichloroethane	NS	0.96 U	0.96 U	0.98 U	0.99 U	1.2 U
Carbon tetrachloride	NS	0.89 U	0.89 U	0.91 U	0.92 U	1.1 U
Benzene	NS	0.99 U	0.99 U	1 U	1 U	1.2 U
1 2-Dichloroethane	NS	1.1 U	1.1 U	1.1 U	1.2 U	1.4 U
Trichloroethene	NS	0.78 U	0.78 U	0.79 U	0.8 U	0.97 U
1 2-Dichloropropane	NS	1.2 U	1.2 U	1.2 U	1.3 U	1.5 U
Bromodichloromethane	NS	0.96 U	0.96 U	0.98 U	0.99 U	1.2 U
cis-1 3-Dichloropropene	NS	0.89 U	0.89 U	0.91 U	0.92 U	1.1 U
4-Methyl-2-pentanone (MIBK)	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.7 U
Toluene	NS	0.96 UHB	0.96 UB	0.98 UB	0.99 UB	1.2 UB
trans-1 3-Dichloropropene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U
1 1 2-Trichloroethane	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.5 U
Tetrachloroethene	NS	0.8 U	0.8 U	0.81 U	0.83 U	0.99 U
2-Hexanone	NS	2.9 U	2.9 U	2.9 U	3 U	3.6 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth Philadelphia Acceptance Criteria<sup>1</sup></b>	<b>B-23(0-6)F</b>	<b>B-24(0-6)A</b>	<b>B-24(0-6)B</b>	<b>B-24(0-6)C</b>	<b>B-25(0-6)A</b>
<b>Lab Sample ID</b>		<b>212660-031</b>	<b>212660-032</b>	<b>212660-033</b>	<b>212660-034</b>	<b>212660-006</b>
<b>Dilution</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>		<b>4/13/2006</b>	<b>4/13/2006</b>	<b>4/13/2006</b>	<b>4/13/2006</b>	<b>4/12/2006</b>
<b>Units</b>		<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>
<b>Compound</b>						
Dibromochloromethane	NS	0.47 U	0.47 U	0.48 U	0.48 U	0.58 U
Chlorobenzene	NS	0.9 U	0.9 U	0.92 U	0.93 U	1.1 U
Ethylbenzene	NS	0.9 U	0.9 U	0.92 U	0.93 U	1.1 U
Styrene	NS	1.2 U	1.2 U	1.2 U	1.3 U	1.5 U
Bromoform	NS	1.1 U	1.1 U	1.1 U	1.2 U	1.4 U
1 1 2 2-Tetrachloroethane	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.7 U
Xylenes (total)	NS	2.2 U	2.2 U	2.3 U	2.3 U	2.8 U
<b>Total VOCs</b>	<b>30,000,000</b>	25.56	21.96	40.08	29.99	49.2

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-25(0-6)B 212660-007 1 4/12/2006 ug/Kg	B-25(0-6)C 212660-008 1 4/12/2006 ug/Kg	B-25(0-6)D 212660-009 1 4/12/2006 ug/Kg	B-25(0-6)E 212660-010 1 4/12/2006 ug/Kg	B-25(0-6)F 212660-011 1 4/12/2006 ug/Kg	B-26(0-2) 212671-001 1 4/13/2006 ug/Kg
Chloromethane	NS	1.1 U	1.1 U	1.1 U	1.2 U	1 U	1.1 U
Vinyl chloride	NS	1 U	1 U	1 U	1.2 U	0.98 U	1.1 U
Bromomethane	NS	0.97 U	0.97 U	0.97 U	1.1 U	0.92 U	0.99 U
Chloroethane	NS	2.2 U	2.2 U	2.2 U	2.5 U	2.1 U	2.3 U
1 1-Dichloroethene	NS	1.3 U	1.3 U	1.3 U	1.4 U	1.2 U	1.3 U
Carbon disulfide	NS	0.72 U	0.72 U	0.72 U	0.81 U	0.69 U	0.74 U
Acetone	NS	32	3.7 U	20 J	5.2 J	89	3.8 U
Methylene chloride	NS	130 B	58 B	130 B	170 B	150 B	7.6 JB
trans-1 2-Dichloroethene	NS	0.68 U	0.68 U	0.69 U	0.77 U	0.65 U	0.7 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1.1 U	1.1 U	1.2 U	1 U	1.1 U
1 1-Dichloroethane	NS	0.96 U	0.96 U	0.96 U	1.1 U	0.91 U	0.98 U
cis-1 2-Dichloroethene	NS	1.2 U	1.2 U	1.2 U	1.4 U	1.2 U	1.3 U
2-Butanone (MEK)	NS	2.1 U	2.1 U	2.1 U	2.4 U	2 U	2.2 U
Chloroform	NS	0.62 U	0.63 U	0.63 U	0.7 U	0.6 U	0.64 U
1 1 1-Trichloroethane	NS	0.99 U	0.99 U	1 U	1.1 U	0.94 U	1 U
Carbon tetrachloride	NS	0.92 U	0.92 U	0.93 U	1 U	0.88 U	0.95 U
Benzene	NS	1 U	1 U	1 U	1.1 U	0.97 U	1 U
1 2-Dichloroethane	NS	1.2 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U
Trichloroethene	NS	0.8 U	0.8 U	0.81 U	0.9 U	0.76 U	0.82 U
1 2-Dichloropropane	NS	1.2 U	1.3 U	1.3 U	1.4 U	1.2 U	1.3 U
Bromodichloromethane	NS	0.99 U	0.99 U	1 U	1.1 U	0.94 U	1 U
cis-1 3-Dichloropropene	NS	0.92 U	0.92 U	0.93 U	1 U	0.88 U	0.95 U
4-Methyl-2-pentanone (MIBK)	NS	1.4 U	1.4 U	1.4 U	1.6 U	1.3 U	1.4 U
Toluene	NS	1.3 J	0.99 UB	1 U	1.1 U	1.5 J	1 U
trans-1 3-Dichloropropene	NS	1.1 U	1.1 U	1.1 U	1.2 U	1 U	1.1 U
1 1 2-Trichloroethane	NS	1.2 U	1.2 U	1.2 U	1.4 U	1.2 U	1.3 U
Tetrachloroethene	NS	0.83 U	0.83 U	0.83 U	1.3 J	0.79 U	0.85 U
2-Hexanone	NS	3 U	3 U	3 U	3.4 U	2.8 U	3.1 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-25(0-6)B 212660-007 1 4/12/2006 ug/Kg	B-25(0-6)C 212660-008 1 4/12/2006 ug/Kg	B-25(0-6)D 212660-009 1 4/12/2006 ug/Kg	B-25(0-6)E 212660-010 1 4/12/2006 ug/Kg	B-25(0-6)F 212660-011 1 4/12/2006 ug/Kg	B-26(0-2) 212671-001 1 4/13/2006 ug/Kg
Dibromochloromethane	NS	0.48 U	0.48 U	0.49 U	0.55 U	0.46 U	0.5 U
Chlorobenzene	NS	0.93 U	0.93 U	0.94 U	1.1 U	0.89 U	0.96 U
Ethylbenzene	NS	0.93 U	0.93 U	0.94 U	1.1 U	0.89 U	0.96 U
Styrene	NS	1.2 U	1.3 U	1.3 U	1.4 U	1.2 U	1.3 U
Bromoform	NS	1.2 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U
1 1 2 2-Tetrachloroethane	NS	1.4 U	1.4 U	1.4 U	1.6 U	1.4 U	1.5 U
Xylenes (total)	NS	2.3 U	2.3 U	2.3 U	2.6 U	2.2 U	2.4 U
<b>Total VOCs</b>	<b>30,000,000</b>	163.3	58.99	150	176.5	240.5	7.6

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-26(2-4) 212671-002 1 4/13/2006 ug/Kg	B-26(0-6)A 212491-008 1 3/28/2006 ug/Kg	B-26(0-6)B 212491-009 1 3/28/2006 ug/Kg	B-26(0-6)C 212491-010 1 3/28/2006 ug/Kg	B-26(0-6)D 212491-011 1 3/28/2006 ug/Kg	B-26(0-6)E 212491-012 1 3/28/2006 ug/Kg
Chloromethane	NS	1.1 U	1.1 U	1.1 U	1 U	1 U	0.9 U
Vinyl chloride	NS	1 U	1 U	1 U	1 U	0.96 U	0.87 U
Bromomethane	NS	0.99 U	0.96 U	0.97 U	0.95 U	0.91 U	0.82 U
Chloroethane	NS	2.3 U	2.2 U	2.2 U	2.2 U	2.1 U	1.9 U
1 1-Dichloroethene	NS	1.3 U	1.3 U	1.3 U	1.3 U	1.2 U	1.1 U
Carbon disulfide	NS	0.73 U	0.72 U	0.72 U	0.7 U	0.67 U	0.61 U
Acetone	NS	3.8 U	3.7 U	3.7 U	15 J	8.6 J	6.4 J
Methylene chloride	NS	11 JB	11 JB	12 JB	15 JB	22 JB	14 JB
trans-1 2-Dichloroethene	NS	0.7 U	0.68 U	0.69 U	0.67 U	0.64 U	0.58 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1.1 U	1.1 U	1.1 U	1 U	0.93 U
1 1-Dichloroethane	NS	0.98 U	0.95 U	0.96 U	0.93 U	0.9 U	0.81 U
cis-1 2-Dichloroethene	NS	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U	1 U
2-Butanone (MEK)	NS	2.1 U	2.1 U	2.1 U	2.1 U	2 U	1.8 U
Chloroform	NS	0.64 U	0.62 U	0.63 U	0.61 U	0.59 U	0.53 U
1 1 1-Trichloroethane	NS	1 U	0.99 U	0.99 U	0.97 U	0.93 U	0.84 U
Carbon tetrachloride	NS	0.94 U	0.92 U	0.92 U	0.9 U	0.86 U	0.78 U
Benzene	NS	1 U	1 U	1 U	2.1 J	3.5 J	1.6 J
1 2-Dichloroethane	NS	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	0.99 U
Trichloroethene	NS	0.82 U	0.8 U	0.8 U	0.78 U	0.75 U	0.68 U
1 2-Dichloropropane	NS	1.3 U	1.2 U	1.3 U	1.2 U	1.2 U	1.1 U
Bromodichloromethane	NS	1 U	0.99 U	0.99 U	0.97 U	0.93 U	0.84 U
cis-1 3-Dichloropropene	NS	0.94 U	0.92 U	0.92 U	0.9 U	0.86 U	0.78 U
4-Methyl-2-pentanone (MIBK)	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.3 U	1.2 U
Toluene	NS	1 U	2 J	0.99 UB	5.4 JB	7 B	2.6 JB
trans-1 3-Dichloropropene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1 U	0.92 U
1 1 2-Trichloroethane	NS	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U	1 U
Tetrachloroethene	NS	0.84 U	0.82 U	0.83 U	0.81 U	0.77 U	0.7 U
2-Hexanone	NS	3 U	3 U	3 U	2.9 U	2.8 U	2.5 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup>	B-26(2-4)	B-26(0-6)A	B-26(0-6)B	B-26(0-6)C	B-26(0-6)D	B-26(0-6)E
Lab Sample ID		212671-002	212491-008	212491-009	212491-010	212491-011	212491-012
Dilution		1	1	1	1	1	1
Date Sampled		4/13/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Compound							
Dibromochloromethane	NS	0.49 U	0.48 U	0.49 U	0.47 U	0.45 U	0.41 U
Chlorobenzene	NS	0.95 U	0.93 U	0.93 U	0.91 U	0.87 U	0.79 U
Ethylbenzene	NS	0.95 U	0.93 U	0.93 U	7.7	6.3	1.4 J
Styrene	NS	1.3 U	1.2 U	1.3 U	1.2 U	1.2 U	1.1 U
Bromoform	NS	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	0.99 U
1 1 2 2-Tetrachloroethane	NS	1.5 U	1.4 U	1.4 U	1.4 U	1.3 U	1.2 U
Xylenes (total)	NS	2.4 U	2.3 U	2.3 U	22	21	5
<b>Total VOCs</b>	<b>30,000,000</b>	11	13	12.99	67.2	68.4	31

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-29(0-6)A 212491-003 1 3/28/2006 ug/Kg	B-29(0-6)B 212491-004 1 3/28/2006 ug/Kg	B-29(0-6)C 212491-005 1 3/28/2006 ug/Kg	B-29(0-6)D 212491-006 1 3/28/2006 ug/Kg	B-29(0-6)E 212491-007 1 3/28/2006 ug/Kg	B-43(0-2) 212671-003 1 4/14/2006 ug/Kg
Chloromethane	NS	1 U	0.88 U	1 U	1 U	1 U	1 U
Vinyl chloride	NS	1 U	0.85 U	1 U	1 U	1 U	1 U
Bromomethane	NS	0.95 U	0.8 U	0.95 U	0.94 U	0.94 U	0.94 U
Chloroethane	NS	2.2 U	1.9 U	2.2 U	2.2 U	2.2 U	2.2 U
1 1-Dichloroethene	NS	1.3 U	1.1 U	1.3 U	1.2 U	1.2 U	1.3 U
Carbon disulfide	NS	0.71 U	0.6 U	0.71 U	0.7 U	0.7 U	0.7 U
Acetone	NS	7.6 J	5.2 J	4.6 J	6.2 J	3.6 U	3.6 J
Methylene chloride	NS	14 JB	17 JB	20 JB	19 JB	15 JB	12 JB
trans-1 2-Dichloroethene	NS	0.67 U	0.57 U	0.67 U	0.67 U	0.66 U	0.67 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	0.91 U	1.1 U	1.1 U	1.1 U	1.1 U
1 1-Dichloroethane	NS	0.94 U	0.79 U	0.94 U	0.93 U	0.93 U	0.93 U
cis-1 2-Dichloroethene	NS	1.2 U	1 U	1.2 U	1.2 U	1.2 U	1.2 U
2-Butanone (MEK)	NS	2.1 U	1.7 U	2.1 U	2 U	2 U	2 U
Chloroform	NS	0.62 U	0.52 U	0.61 U	0.61 U	0.61 U	0.61 U
1 1 1-Trichloroethane	NS	0.98 U	0.82 U	0.97 U	0.96 U	0.96 U	0.97 U
Carbon tetrachloride	NS	0.91 U	0.76 U	0.9 U	0.89 U	0.89 U	0.9 U
Benzene	NS	1 U	0.84 U	1 U	0.99 U	0.99 U	0.99 U
1 2-Dichloroethane	NS	1.1 U	0.97 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	NS	0.79 U	0.67 U	0.79 U	0.78 U	0.78 U	0.78 U
1 2-Dichloropropane	NS	1.2 U	1 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	NS	0.98 U	0.82 U	0.97 U	0.96 U	0.96 U	0.97 U
cis-1 3-Dichloropropene	NS	0.91 U	0.76 U	0.9 U	0.89 U	0.89 U	0.9 U
4-Methyl-2-pentanone (MIBK)	NS	1.4 U	1.2 U	1.4 U	1.4 U	1.4 U	1.4 U
Toluene	NS	1 JB	1.5 JB	0.97 UB	1.3 JB	0.96 UB	0.97 U
trans-1 3-Dichloropropene	NS	1.1 U	0.9 U	1.1 U	1.1 U	1.1 U	1.1 U
1 1 2-Trichloroethane	NS	1.2 U	1 U	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethene	NS	0.81 U	0.69 U	0.81 U	0.8 U	0.8 U	0.8 U
2-Hexanone	NS	2.9 U	2.5 U	2.9 U	2.9 U	2.9 U	2.9 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup>	B-29(0-6)A	B-29(0-6)B	B-29(0-6)C	B-29(0-6)D	B-29(0-6)E	B-43(0-2)
Lab Sample ID		212491-003	212491-004	212491-005	212491-006	212491-007	212671-003
Dilution		1	1	1	1	1	1
Date Sampled		3/28/2006	3/28/2006	3/28/2006	3/28/2006	3/28/2006	4/14/2006
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Compound							
Dibromochloromethane	NS	0.48 U	0.4 U	0.48 U	0.47 U	0.47 U	0.47 U
Chlorobenzene	NS	0.92 U	0.77 U	0.92 U	0.91 U	0.9 U	0.91 U
Ethylbenzene	NS	0.92 U	0.77 U	0.92 U	0.91 U	0.9 U	0.91 U
Styrene	NS	1.2 U	1 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromoform	NS	1.1 U	0.97 U	1.1 U	1.1 U	1.1 U	1.1 U
1 1 2 2-Tetrachloroethane	NS	1.4 U	1.2 U	1.4 U	1.4 U	1.4 U	1.4 U
Xylenes (total)	NS	2.3 U	1.9 U	2.3 U	2.2 U	2.2 U	2.3 U
<b>Total VOCs</b>	<b>30,000,000</b>	22.6	23.7	25.57	26.5	15.96	15.6



**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-43(2-4) 212671-004 1 4/14/2006 ug/Kg	B-43(0-6)A 212519-003 1 3/30/2006 ug/Kg	B-43(0-6)B 212519-004 1 3/30/2006 ug/Kg	B-43(0-6)C 212519-005 1 3/30/2006 ug/Kg	B-43(0-6)D 212519-006 1 3/30/2006 ug/Kg	B-43(0-6)E 212519-007 1 3/30/2006 ug/Kg
Chloromethane	NS	1.1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	NS	1 U	0.98 U	0.98 U	0.98 U	1 U	0.98 U
Bromomethane	NS	0.98 U	0.92 U	0.93 U	0.93 U	0.94 U	0.92 U
Chloroethane	NS	2.2 U	2.1 U	2.1 U	2.1 U	2.2 U	2.1 U
1 1-Dichloroethene	NS	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	NS	0.73 U	0.69 U	0.69 U	0.69 U	0.7 U	0.69 U
Acetone	NS	3.8 U	3.5 U	3.6 U	3.6 U	3.6 U	3.6 U
Methylene chloride	NS	6.8 JB	7.3 JB	6.3 JB	7.2 JB	5.9 JB	5.8 JB
trans-1 2-Dichloroethene	NS	0.69 U	0.65 U	0.65 U	0.65 U	0.67 U	0.65 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1 U	1 U	1 U	1.1 U	1 U
1 1-Dichloroethane	NS	0.96 U	0.91 U	0.91 U	0.91 U	0.93 U	0.91 U
cis-1 2-Dichloroethene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
2-Butanone (MEK)	NS	2.1 U	2 U	2 U	2 U	2 U	2 U
Chloroform	NS	0.63 U	0.6 U	0.6 U	0.6 U	0.61 U	0.6 U
1 1 1-Trichloroethane	NS	1 U	0.95 U	0.95 U	0.95 U	0.96 U	0.95 U
Carbon tetrachloride	NS	0.93 U	0.88 U	0.88 U	0.88 U	0.89 U	0.88 U
Benzene	NS	1 U	0.97 U	0.97 U	0.97 U	0.99 U	0.97 U
1 2-Dichloroethane	NS	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	NS	0.81 U	0.77 U	0.77 U	0.77 U	0.78 U	0.77 U
1 2-Dichloropropane	NS	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	NS	1 U	0.95 U	0.95 U	0.95 U	0.96 U	0.95 U
cis-1 3-Dichloropropene	NS	0.93 U	0.88 U	0.88 U	0.88 U	0.89 U	0.88 U
4-Methyl-2-pentanone (MIBK)	NS	1.4 U	1.3 U	1.3 U	1.3 U	1.4 U	1.3 U
Toluene	NS	1 U	0.95 UB	0.95 UB	0.95 UB	0.96 UB	0.95 UB
trans-1 3-Dichloropropene	NS	1.1 U	1 U	1 U	1 U	1.1 U	1 U
1 1 2-Trichloroethane	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethene	NS	0.83 U	0.79 U	0.79 U	0.79 U	0.8 U	0.79 U
2-Hexanone	NS	3 U	2.8 U	2.9 U	2.9 U	2.9 U	2.9 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth Philadelphia Acceptance Criteria<sup>1</sup></b>	<b>B-43(2-4)</b>	<b>B-43(0-6)A</b>	<b>B-43(0-6)B</b>	<b>B-43(0-6)C</b>	<b>B-43(0-6)D</b>	<b>B-43(0-6)E</b>
<b>Lab Sample ID</b>		<b>212671-004</b>	<b>212519-003</b>	<b>212519-004</b>	<b>212519-005</b>	<b>212519-006</b>	<b>212519-007</b>
<b>Dilution</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>		<b>4/14/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>
<b>Units</b>		<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>
<b>Compound</b>							
Dibromochloromethane	NS	0.49 U	0.46 U	0.46 U	0.46 U	0.47 U	0.46 U
Chlorobenzene	NS	0.94 U	0.89 U	0.89 U	0.89 U	0.91 U	0.89 U
Ethylbenzene	NS	0.94 U	0.89 U	0.89 U	0.89 U	0.91 U	0.89 U
Styrene	NS	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromoform	NS	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1 1 2 2-Tetrachloroethane	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Xylenes (total)	NS	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
<b>Total VOCs</b>	<b>30,000,000</b>	6.8	8.25	7.25	8.15	6.86	6.75

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-43(6-14)A 212519-008 1 3/30/2006 ug/Kg	B-43(6-14)B 212519-009 1 3/30/2006 ug/Kg	B-43(6-14)C 212519-010 1 3/30/2006 ug/Kg	B-43(6-14)D 212519-011 1 3/30/2006 ug/Kg	B-43(6-14)E 212519-012 1 3/30/2006 ug/Kg
Chloromethane	NS	1 U	1.1 U	1 U	1 U	1 U
Vinyl chloride	NS	1 U	1 U	1 U	1 U	1 U
Bromomethane	NS	0.94 U	0.98 U	0.95 U	0.94 U	0.94 U
Chloroethane	NS	2.2 U	2.3 U	2.2 U	2.2 U	2.2 U
1 1-Dichloroethene	NS	1.3 U	1.3 U	1.3 U	1.2 U	1.3 U
Carbon disulfide	NS	0.7 U	0.73 U	0.71 U	0.7 U	0.7 U
Acetone	NS	3.6 U	3.8 U	3.7 U	3.6 U	3.6 U
Methylene chloride	NS	7 JB	5.9 JB	8.2 JB	6.9 JB	8.8 JB
trans-1 2-Dichloroethene	NS	0.67 U	0.69 U	0.67 U	0.67 U	0.67 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1 1-Dichloroethane	NS	0.93 U	0.97 U	0.94 U	0.93 U	0.93 U
cis-1 2-Dichloroethene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
2-Butanone (MEK)	NS	2.1 U	2.1 U	2.1 U	2 U	2 U
Chloroform	NS	0.61 U	0.63 U	0.61 U	0.61 U	0.61 U
1 1 1-Trichloroethane	NS	0.97 U	1 U	0.97 U	0.96 U	0.97 U
Carbon tetrachloride	NS	0.9 U	0.93 U	0.9 U	0.89 U	0.9 U
Benzene	NS	0.99 U	1 U	1 U	0.99 U	0.99 U
1 2-Dichloroethane	NS	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
Trichloroethene	NS	0.78 U	0.81 U	0.79 U	0.78 U	0.78 U
1 2-Dichloropropane	NS	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	NS	0.97 U	1 U	0.97 U	0.96 U	0.97 U
cis-1 3-Dichloropropene	NS	0.9 U	0.93 U	0.9 U	0.89 U	0.9 U
4-Methyl-2-pentanone (MIBK)	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Toluene	NS	0.97 UB	1 UB	1 JB	0.96 UB	0.97 UB
trans-1 3-Dichloropropene	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1 1 2-Trichloroethane	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethene	NS	0.81 U	0.84 U	0.81 U	0.8 U	0.8 U
2-Hexanone	NS	2.9 U	3 U	2.9 U	2.9 U	2.9 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth</b>	<b>B-43(6-14)A</b>	<b>B-43(6-14)B</b>	<b>B-43(6-14)C</b>	<b>B-43(6-14)D</b>	<b>B-43(6-14)E</b>
<b>Lab Sample ID</b>	<b>Philadelphia</b>	<b>212519-008</b>	<b>212519-009</b>	<b>212519-010</b>	<b>212519-011</b>	<b>212519-012</b>
<b>Dilution</b>	<b>Acceptance</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria<sup>1</sup></b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>
<b>Units</b>	<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>
<b>Compound</b>						
Dibromochloromethane	NS	0.47 U	0.49 U	0.48 U	0.47 U	0.47 U
Chlorobenzene	NS	0.91 U	0.94 U	0.92 U	0.91 U	0.91 U
Ethylbenzene	NS	0.91 U	0.94 U	0.92 U	0.91 U	0.91 U
Styrene	NS	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U
Bromoform	NS	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
1 1 2 2-Tetrachloroethane	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Xylenes (total)	NS	2.3 U	2.3 U	2.3 U	2.2 U	2.3 U
<b>Total VOCs</b>	<b>30,000,000</b>	7.97	6.9	9.2	7.86	9.77

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-44(0-6)A 212555-003 1 4/3/2006 ug/Kg	B-44(0-6)B 212555-004 1 4/3/2006 ug/Kg	B-44(0-6)C 212555-005 1 4/3/2006 ug/Kg	B-44(0-6)D 212555-006 1 4/3/2006 ug/Kg	B-44(0-6)E 212555-007 1 4/3/2006 ug/Kg	B-44(0-14)A* 212555-008 1 4/3/2006 ug/Kg
Chloromethane	NS	1 U	1 U	1 U	1 U	1 U	1.1 U
Vinyl chloride	NS	1 U	0.99 U	1 U	0.99 U	0.97 U	1 U
Bromomethane	NS	0.95 U	0.94 U	0.95 U	0.94 U	0.92 U	0.96 U
Chloroethane	NS	2.2 U	2.2 U	2.2 U	2.2 U	2.1 U	2.2 U
1 1-Dichloroethene	NS	1.3 U	1.2 U	1.3 U	1.2 U	1.2 U	1.3 U
Carbon disulfide	NS	0.7 U	0.7 U	0.71 U	0.7 U	0.68 U	0.71 U
Acetone	NS	3.6 U	5.8 J	3.7 U	3.6 U	3.5 U	3.7 U
Methylene chloride	NS	11 JB	14 JB	20 JB	13 JB	16 JB	14 JB
trans-1 2-Dichloroethene	NS	0.67 U	0.66 U	0.67 U	0.66 U	0.65 U	0.68 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
1 1-Dichloroethane	NS	0.93 U	0.92 U	0.94 U	0.92 U	0.91 U	0.95 U
cis-1 2-Dichloroethene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
2-Butanone (MEK)	NS	2.1 U	2 U	2.1 U	2 U	2 U	2.1 U
Chloroform	NS	0.61 U	0.6 U	0.62 U	0.61 U	0.59 U	0.62 U
1 1 1-Trichloroethane	NS	0.97 U	0.96 U	0.98 U	0.96 U	0.94 U	0.98 U
Carbon tetrachloride	NS	0.9 U	0.89 U	0.91 U	0.89 U	0.87 U	0.91 U
Benzene	NS	0.99 U	0.98 U	1 U	0.98 U	0.96 U	1 U
1 2-Dichloroethane	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U
Trichloroethene	NS	0.78 U	0.78 U	0.79 U	0.78 U	0.76 U	0.79 U
1 2-Dichloropropane	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	NS	0.97 U	0.96 U	0.98 U	0.96 U	0.94 U	0.98 U
cis-1 3-Dichloropropene	NS	0.9 U	0.89 U	0.91 U	0.89 U	0.87 U	0.91 U
4-Methyl-2-pentanone (MIBK)	NS	1.4 U	1.3 U	1.4 U	1.3 U	1.3 U	1.4 U
Toluene	NS	0.97 UB	1.6 JB	2 JB	0.96 UB	1.1 JB	0.98 UB
trans-1 3-Dichloropropene	NS	1.1 U	1 U	1.1 U	1.1 U	1 U	1.1 U
1 1 2-Trichloroethane	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethene	NS	0.81 U	0.8 U	1.1 J	0.8 U	1.6 J	3.8 J
2-Hexanone	NS	2.9 U	2.9 U	2.9 U	2.9 U	2.8 U	3 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-44(0-6)A 212555-003 1 4/3/2006 ug/Kg	B-44(0-6)B 212555-004 1 4/3/2006 ug/Kg	B-44(0-6)C 212555-005 1 4/3/2006 ug/Kg	B-44(0-6)D 212555-006 1 4/3/2006 ug/Kg	B-44(0-6)E 212555-007 1 4/3/2006 ug/Kg	B-44(0-14)A* 212555-008 1 4/3/2006 ug/Kg
Dibromochloromethane	NS	0.47 U	0.47 U	0.48 U	0.47 U	0.46 U	0.48 U
Chlorobenzene	NS	0.91 U	0.9 U	0.92 U	0.9 U	0.88 U	0.92 U
Ethylbenzene	NS	0.91 U	0.9 U	0.92 U	0.9 U	0.88 U	0.92 U
Styrene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromoform	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U
1 1 2 2-Tetrachloroethane	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Xylenes (total)	NS	2.3 U	2.2 U	2.3 U	2.2 U	2.2 U	2.3 U
<b>Total VOCs</b>	<b>30,000,000</b>	11.97	21.4	23.1	13.96	18.7	18.78

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-44(0-14)B* 212555-009 1 4/3/2006 ug/Kg	B-44(0-14)C* 212555-010 1 4/3/2006 ug/Kg	B-44(0-14)D* 212555-011 1 4/3/2006 ug/Kg	B-44(0-14)E* 212555-012 1 4/3/2006 ug/Kg	B-46(0-6)A 212581-003 1 4/4/2006 ug/Kg
Chloromethane	NS	1 U	1.1 U	1 U	1 U	0.99 U
Vinyl chloride	NS	1 U	1 U	0.98 U	0.98 U	0.96 U
Bromomethane	NS	0.94 U	0.97 U	0.92 U	0.92 U	0.91 U
Chloroethane	NS	2.2 U	2.2 U	2.1 U	2.1 U	2.1 U
1 1-Dichloroethene	NS	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U
Carbon disulfide	NS	0.7 U	0.72 U	0.69 U	0.69 U	0.67 U
Acetone	NS	3.6 U	23 J	3.5 U	3.5 U	12 J
Methylene chloride	NS	13 JB	19 JB	17 JB	13 JB	9.9 JB
trans-1 2-Dichloroethene	NS	0.66 U	0.69 U	0.65 U	0.65 U	0.64 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1.1 U	1 U	1 U	1 U
1 1-Dichloroethane	NS	0.93 U	0.96 U	0.91 U	0.91 U	0.89 U
cis-1 2-Dichloroethene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U
2-Butanone (MEK)	NS	2 U	2.1 U	2 U	2 U	2 U
Chloroform	NS	0.61 U	0.63 U	0.6 U	0.6 U	0.58 U
1 1 1-Trichloroethane	NS	0.96 U	1 U	0.94 U	0.94 U	0.93 U
Carbon tetrachloride	NS	0.89 U	0.92 U	0.88 U	0.88 U	0.86 U
Benzene	NS	0.98 U	1 U	0.97 U	0.97 U	0.95 U
1 2-Dichloroethane	NS	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
Trichloroethene	NS	0.78 U	0.81 U	0.76 U	0.76 U	0.75 U
1 2-Dichloropropane	NS	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	NS	0.96 U	1 U	0.94 U	0.94 U	0.93 U
cis-1 3-Dichloropropene	NS	0.89 U	0.92 U	0.88 U	0.88 U	0.86 U
4-Methyl-2-pentanone (MIBK)	NS	1.4 U	1.4 U	1.3 U	1.3 U	1.3 U
Toluene	NS	0.96 UB	1.1 JB	0.94 UB	0.94 UB	0.93 UB
trans-1 3-Dichloropropene	NS	1.1 U	1.1 U	1 U	1 U	1 U
1 1 2-Trichloroethane	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U
Tetrachloroethene	NS	1.4 J	0.83 U	0.79 U	0.79 U	0.77 U
2-Hexanone	NS	2.9 U	3 U	2.8 U	2.8 U	2.8 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-44(0-14)B* 212555-009 1 4/3/2006 ug/Kg	B-44(0-14)C* 212555-010 1 4/3/2006 ug/Kg	B-44(0-14)D* 212555-011 1 4/3/2006 ug/Kg	B-44(0-14)E* 212555-012 1 4/3/2006 ug/Kg	B-46(0-6)A 212581-003 1 4/4/2006 ug/Kg
Dibromochloromethane	NS	0.47 U	0.49 U	0.46 U	0.46 U	0.45 U
Chlorobenzene	NS	0.9 U	0.94 U	0.89 U	0.89 U	0.87 U
Ethylbenzene	NS	0.9 U	0.94 U	0.89 U	0.89 U	0.87 U
Styrene	NS	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U
Bromoform	NS	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
1 1 2 2-Tetrachloroethane	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.3 U
Xylenes (total)	NS	2.2 U	2.3 U	2.2 U	2.2 U	2.2 U
<b>Total VOCs</b>	<b>30,000,000</b>	15.36	43.1	17.94	13.94	22.83



**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-46(0-6)B 212581-004 1 4/4/2006 ug/Kg	B-46(0-6)C 212581-005 1 4/4/2006 ug/Kg	B-46(0-6)D 212581-006 1 4/4/2006 ug/Kg	B-47(10-18)A 212628-003 1 4/10/2006 ug/Kg	B-47(10-18)B 212628-004 1 4/10/2006 ug/Kg
Chloromethane	NS	1 U	0.98 U	0.95 U	1.1 U	1.1 U
Vinyl chloride	NS	0.99 U	0.95 U	0.92 U	1 U	1 U
Bromomethane	NS	0.93 U	0.9 U	0.87 U	0.99 U	0.97 U
Chloroethane	NS	2.1 U	2.1 U	2 U	2.3 U	2.2 U
1 1-Dichloroethene	NS	1.2 U	1.2 U	1.2 U	1.3 U	1.3 U
Carbon disulfide	NS	0.69 U	0.67 U	0.65 U	0.73 U	0.72 U
Acetone	NS	14 J	13 J	13 J	3.8 U	3.7 U
Methylene chloride	NS	10 JB	11 JB	9.2 JB	14 JB	13 JB
trans-1 2-Dichloroethene	NS	0.66 U	0.63 U	0.62 U	0.7 U	0.69 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1 U	0.99 U	1.1 U	1.1 U
1 1-Dichloroethane	NS	0.92 U	0.88 U	0.86 U	0.98 U	0.96 U
cis-1 2-Dichloroethene	NS	1.2 U	1.1 U	1.1 U	1.3 U	1.2 U
2-Butanone (MEK)	NS	2 U	1.9 U	1.9 U	2.1 U	2.1 U
Chloroform	NS	0.6 U	0.58 U	0.56 U	0.64 U	0.63 U
1 1 1-Trichloroethane	NS	0.95 U	0.92 U	0.89 U	1 U	0.99 U
Carbon tetrachloride	NS	0.89 U	0.85 U	0.83 U	0.94 U	0.92 U
Benzene	NS	0.98 U	0.94 U	0.91 U	1 U	1 U
1 2-Dichloroethane	NS	1.1 U	1.1 U	1 U	1.2 U	1.2 U
Trichloroethene	NS	0.77 U	0.74 U	0.72 U	0.82 U	0.8 U
1 2-Dichloropropane	NS	1.2 U	1.2 U	1.1 U	1.3 U	1.3 U
Bromodichloromethane	NS	0.95 U	0.92 U	0.89 U	1 U	0.99 U
cis-1 3-Dichloropropene	NS	0.89 U	0.85 U	0.83 U	0.94 U	0.92 U
4-Methyl-2-pentanone (MIBK)	NS	1.3 U	1.3 U	1.3 U	1.4 U	1.4 U
Toluene	NS	0.95 UB	0.92 UB	0.89 UB	1 U	0.99 U
trans-1 3-Dichloropropene	NS	1 U	1 U	0.98 U	1.1 U	1.1 U
1 1 2-Trichloroethane	NS	1.2 U	1.1 U	1.1 U	1.3 U	1.2 U
Tetrachloroethene	NS	0.79 U	0.76 U	0.74 U	0.84 U	0.83 U
2-Hexanone	NS	2.9 U	2.8 U	2.7 U	3 U	3 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-46(0-6)B 212581-004 1 4/4/2006 ug/Kg	B-46(0-6)C 212581-005 1 4/4/2006 ug/Kg	B-46(0-6)D 212581-006 1 4/4/2006 ug/Kg	B-47(10-18)A 212628-003 1 4/10/2006 ug/Kg	B-47(10-18)B 212628-004 1 4/10/2006 ug/Kg
Dibromochloromethane	NS	0.47 U	0.45 U	0.43 U	0.49 U	0.49 U
Chlorobenzene	NS	0.9 U	0.86 U	0.84 U	0.95 U	0.93 U
Ethylbenzene	NS	0.9 U	0.86 U	0.84 U	0.95 U	0.93 U
Styrene	NS	1.2 U	1.2 U	1.1 U	1.3 U	1.3 U
Bromoform	NS	1.1 U	1.1 U	1 U	1.2 U	1.2 U
1 1 2 2-Tetrachloroethane	NS	1.4 U	1.3 U	1.3 U	1.5 U	1.4 U
Xylenes (total)	NS	2.2 U	2.1 U	2.1 U	2.4 U	2.3 U
<b>Total VOCs</b>	<b>30,000,000</b>	24.95	24.92	23.09	14	13

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-47(10-18)C 212628-005 1 4/10/2006 ug/Kg	B-47(10-18)D 212628-006 1 4/10/2006 ug/Kg	B-47(10-18)E 212628-007 1 4/10/2006 ug/Kg	B-47(10-18)F 212628-008 1 4/10/2006 ug/Kg	B-52(0-6)A 212581-007 1 4/4/2006 ug/Kg
Chloromethane	NS	1.1 U	1 U	1.1 U	1.1 U	1 U
Vinyl chloride	NS	1.1 U	0.98 U	1 U	1 U	0.99 U
Bromomethane	NS	1 U	0.92 U	0.98 U	0.97 U	0.93 U
Chloroethane	NS	2.3 U	2.1 U	2.3 U	2.2 U	2.1 U
1 1-Dichloroethene	NS	1.3 U	1.2 U	1.3 U	1.3 U	1.2 U
Carbon disulfide	NS	0.74 U	0.68 U	0.73 U	0.72 U	0.69 U
Acetone	NS	3.8 U	3.5 U	3.8 U	3.7 U	12 J
Methylene chloride	NS	11 JB	13 JB	13 JB	12 JB	5.6 JB
trans-1 2-Dichloroethene	NS	0.7 U	0.65 U	0.69 U	0.68 U	0.66 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1 U	1.1 U	1.1 U	1.1 U
1 1-Dichloroethane	NS	0.98 U	0.91 U	0.97 U	0.96 U	0.92 U
cis-1 2-Dichloroethene	NS	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U
2-Butanone (MEK)	NS	2.2 U	2 U	2.1 U	2.1 U	2 U
Chloroform	NS	0.64 U	0.59 U	0.63 U	0.62 U	0.6 U
1 1 1-Trichloroethane	NS	1 U	0.94 U	1 U	0.99 U	0.95 U
Carbon tetrachloride	NS	0.95 U	0.87 U	0.93 U	0.92 U	0.89 U
Benzene	NS	1 U	0.96 U	1 U	1 U	0.98 U
1 2-Dichloroethane	NS	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U
Trichloroethene	NS	0.83 U	0.76 U	0.81 U	0.8 U	0.77 U
1 2-Dichloropropane	NS	1.3 U	1.2 U	1.3 U	1.2 U	1.2 U
Bromodichloromethane	NS	1 U	0.94 U	1 U	0.99 U	0.95 U
cis-1 3-Dichloropropene	NS	0.95 U	0.87 U	0.93 U	0.92 U	0.89 U
4-Methyl-2-pentanone (MIBK)	NS	1.4 U	1.3 U	1.4 U	1.4 U	1.3 U
Toluene	NS	1 U	0.94 U	1 U	0.99 U	0.95 UB
trans-1 3-Dichloropropene	NS	1.1 U	1 U	1.1 U	1.1 U	1 U
1 1 2-Trichloroethane	NS	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethene	NS	0.85 U	0.78 U	0.84 U	0.83 U	0.8 U
2-Hexanone	NS	3.1 U	2.8 U	3 U	3 U	2.9 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-47(10-18)C 212628-005 1 4/10/2006 ug/Kg	B-47(10-18)D 212628-006 1 4/10/2006 ug/Kg	B-47(10-18)E 212628-007 1 4/10/2006 ug/Kg	B-47(10-18)F 212628-008 1 4/10/2006 ug/Kg	B-52(0-6)A 212581-007 1 4/4/2006 ug/Kg
Dibromochloromethane	NS	0.5 U	0.46 U	0.49 U	0.48 U	0.47 U
Chlorobenzene	NS	0.96 U	0.89 U	0.94 U	0.93 U	0.9 U
Ethylbenzene	NS	0.96 U	0.89 U	0.94 U	0.93 U	0.9 U
Styrene	NS	1.3 U	1.2 U	1.3 U	1.2 U	1.2 U
Bromoform	NS	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U
1 1 2 2-Tetrachloroethane	NS	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U
Xylenes (total)	NS	2.4 U	2.2 U	2.3 U	2.3 U	2.2 U
<b>Total VOCs</b>	<b>30,000,000</b>	11	13	13	12	18.55

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-52(0-6)B 212581-008 1 4/4/2006 ug/Kg	B-52(0-6)C 212581-009 1 4/4/2006 ug/Kg	B-52(0-6)D 212581-010 1 4/4/2006 ug/Kg	B-53(0-6)A 212660-012 1 4/12/2006 ug/Kg	B-53(0-6)B 212660-013 1 4/12/2006 ug/Kg
Chloromethane	NS	1 U	1 U	1.1 U	1.1 U	1.1 U
Vinyl chloride	NS	0.98 U	1 U	1.1 U	1.1 U	1 U
Bromomethane	NS	0.93 U	0.94 U	1 U	1 U	0.98 U
Chloroethane	NS	2.1 U	2.2 U	2.3 U	2.3 U	2.3 U
1 1-Dichloroethene	NS	1.2 U	1.2 U	1.4 U	1.3 U	1.3 U
Carbon disulfide	NS	0.69 U	0.7 U	0.76 U	0.75 U	0.73 U
Acetone	NS	15 J	16 J	13 J	7.7 J	11 J
Methylene chloride	NS	18 JB	18 JB	13 JB	29 B	30 B
trans-1 2-Dichloroethene	NS	0.66 U	0.66 U	0.72 U	0.71 U	0.69 U
Methyl-tert-butyl-ether (MTBE)	NS	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U
1 1-Dichloroethane	NS	0.92 U	0.93 U	1 U	0.99 U	0.97 U
cis-1 2-Dichloroethene	NS	1.2 U	1.2 U	1.3 U	1.3 U	1.2 U
2-Butanone (MEK)	NS	2 U	2 U	2.2 U	2.2 U	2.1 U
Chloroform	NS	0.6 U	0.61 U	0.66 U	0.65 U	0.63 U
1 1 1-Trichloroethane	NS	0.95 U	0.96 U	1 U	1 U	1 U
Carbon tetrachloride	NS	0.88 U	0.89 U	0.97 U	0.96 U	0.93 U
Benzene	NS	0.97 U	0.99 U	1.1 U	1.1 U	1 U
1 2-Dichloroethane	NS	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U
Trichloroethene	NS	0.77 U	0.78 U	0.84 U	1.7 J	1.4 J
1 2-Dichloropropane	NS	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U
Bromodichloromethane	NS	0.95 U	0.96 U	1 U	1 U	1 U
cis-1 3-Dichloropropene	NS	0.88 U	0.89 U	0.97 U	0.96 U	0.93 U
4-Methyl-2-pentanone (MIBK)	NS	1.3 U	1.4 U	1.5 U	1.4 U	1.4 U
Toluene	NS	1.2 JB	1.1 JB	1 UB	1 U	1 U
trans-1 3-Dichloropropene	NS	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1 1 2-Trichloroethane	NS	1.2 U	1.2 U	1.3 U	1.3 U	1.2 U
Tetrachloroethene	NS	0.79 U	0.8 U	0.87 U	1.8 J	1.2 J
2-Hexanone	NS	2.9 U	2.9 U	3.1 U	3.1 U	3 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth Philadelphia Acceptance Criteria<sup>1</sup></b>	<b>B-52(0-6)B</b>	<b>B-52(0-6)C</b>	<b>B-52(0-6)D</b>	<b>B-53(0-6)A</b>	<b>B-53(0-6)B</b>
<b>Lab Sample ID</b>		<b>212581-008</b>	<b>212581-009</b>	<b>212581-010</b>	<b>212660-012</b>	<b>212660-013</b>
<b>Dilution</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>		<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/12/2006</b>	<b>4/12/2006</b>
<b>Units</b>		<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>	<b>ug/Kg</b>
<b>Compound</b>						
Dibromochloromethane	NS	0.46 U	0.47 U	0.51 U	0.5 U	0.49 U
Chlorobenzene	NS	0.89 U	0.9 U	0.98 U	0.97 U	0.94 U
Ethylbenzene	NS	0.89 U	0.9 U	0.98 U	0.97 U	0.94 U
Styrene	NS	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U
Bromoform	NS	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U
1 1 2 2-Tetrachloroethane	NS	1.4 U	1.4 U	1.5 U	1.5 U	1.4 U
Xylenes (total)	NS	2.2 U	2.2 U	2.4 U	2.4 U	2.3 U
<b>Total VOCs</b>	<b>30,000,000</b>	34.2	35.1	27	40.2	43.6

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-53(0-6)C 212660-014 1 4/12/2006 ug/Kg	B-53(0-6)D 212660-015 1 4/12/2006 ug/Kg	B-53(0-6)E 212660-016 1 4/12/2006 ug/Kg	B-53(0-6)F 212660-017 1 4/12/2006 ug/Kg	B-54(0-6)A 212660-018 1 4/13/2006 ug/Kg	B-54(0-6)B 212660-019 1 4/13/2006 ug/Kg
Chloromethane	NS	1.1 U	1.2 U	1.1 U	1.1 U	1 U	1 U
Vinyl chloride	NS	1.1 U	1.1 U	1.1 U	1.1 U	0.97 U	1 U
Bromomethane	NS	1 U	1.1 U	1 U	1 U	0.91 U	0.95 U
Chloroethane	NS	2.4 U	2.5 U	2.3 U	2.3 U	2.1 U	2.2 U
1 1-Dichloroethene	NS	1.4 U	1.4 U	1.3 U	1.3 U	1.2 U	1.3 U
Carbon disulfide	NS	0.76 U	0.8 U	0.74 U	0.74 U	0.68 U	0.71 U
Acetone	NS	5 J	4.1 U	3.8 U	9.4 J	3.5 U	3.7 U
Methylene chloride	NS	13 JB	20 JB	13 JB	7.2 JB	14 JB	17 JB
trans-1 2-Dichloroethene	NS	0.72 U	0.76 U	0.71 U	0.7 U	0.64 U	0.67 U
Methyl-tert-butyl-ether (MTBE)	NS	1.2 U	1.2 U	1.1 U	1.1 U	1 U	1.1 U
1 1-Dichloroethane	NS	1 U	1.1 U	0.99 U	0.98 U	0.9 U	0.94 U
cis-1 2-Dichloroethene	NS	1.3 U	1.4 U	1.3 U	1.3 U	1.2 U	1.2 U
2-Butanone (MEK)	NS	2.2 U	2.3 U	2.2 U	2.2 U	2 U	2.1 U
Chloroform	NS	0.66 U	0.69 U	0.65 U	0.64 U	0.59 U	0.61 U
1 1 1-Trichloroethane	NS	1 U	1.1 U	1 U	1 U	0.93 U	0.97 U
Carbon tetrachloride	NS	0.97 U	1 U	0.95 U	0.95 U	0.87 U	0.9 U
Benzene	NS	1.1 U	1.1 U	1 U	1 U	0.96 U	1 U
1 2-Dichloroethane	NS	1.2 U	1.3 U	1.2 U	1.2 U	1.1 U	1.1 U
Trichloroethene	NS	0.85 U	0.89 U	0.83 U	0.83 U	0.76 U	0.79 U
1 2-Dichloropropane	NS	1.3 U	1.4 U	1.3 U	1.3 U	1.2 U	1.2 U
Bromodichloromethane	NS	1 U	1.1 U	1 U	1 U	0.93 U	0.97 U
cis-1 3-Dichloropropene	NS	0.97 U	1 U	0.95 U	0.95 U	0.87 U	0.9 U
4-Methyl-2-pentanone (MIBK)	NS	1.5 U	1.5 U	1.4 U	1.4 U	1.3 U	1.4 U
Toluene	NS	1 UB	1.1 U	1 UB	1 UB	0.93 U	0.97 UB
trans-1 3-Dichloropropene	NS	1.1 U	1.2 U	1.1 U	1.1 U	1 U	1.1 U
1 1 2-Trichloroethane	NS	1.3 U	1.4 U	1.3 U	1.3 U	1.2 U	1.2 U
Tetrachloroethene	NS	0.87 U	0.91 U	0.85 U	0.85 U	0.78 U	0.81 U
2-Hexanone	NS	3.2 U	3.3 U	3.1 U	3.1 U	2.8 U	2.9 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup>	B-53(0-6)C	B-53(0-6)D	B-53(0-6)E	B-53(0-6)F	B-54(0-6)A	B-54(0-6)B
Lab Sample ID		212660-014	212660-015	212660-016	212660-017	212660-018	212660-019
Dilution		1	1	1	1	1	1
Date Sampled		4/12/2006	4/12/2006	4/12/2006	4/12/2006	4/13/2006	4/13/2006
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Compound							
Dibromochloromethane	NS	0.51 U	0.54 U	0.5 U	0.5 U	0.46 U	0.48 U
Chlorobenzene	NS	0.98 U	1 U	0.96 U	0.96 U	0.88 U	0.92 U
Ethylbenzene	NS	0.98 U	1 U	0.96 U	0.96 U	0.88 U	0.92 U
Styrene	NS	1.3 U	1.4 U	1.3 U	1.3 U	1.2 U	1.2 U
Bromoform	NS	1.2 U	1.3 U	1.2 U	1.2 U	1.1 U	1.1 U
1 1 2 2-Tetrachloroethane	NS	1.5 U	1.6 U	1.5 U	1.5 U	1.3 U	1.4 U
Xylenes (total)	NS	2.4 U	2.6 U	2.4 U	2.4 U	2.2 U	2.3 U
<b>Total VOCs</b>	<b>30,000,000</b>	19	20	14	17.6	14	17.97



**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-54(0-6)C 212660-020 1 4/13/2006 ug/Kg	B-54(0-6)D 212660-021 1 4/13/2006 ug/Kg	B-54(0-6)E 212660-022 1 4/13/2006 ug/Kg	B-54(0-6)F 212660-023 1 4/13/2006 ug/Kg	B-54(0-6)G 212660-024 1 4/13/2006 ug/Kg	B-54(0-6)H 212660-025 1 4/13/2006 ug/Kg
Chloromethane	NS	1 U	1 U	1 U	1 U	1 U	1.1 U
Vinyl chloride	NS	0.97 U	1 U	0.99 U	1 U	0.97 U	1 U
Bromomethane	NS	0.91 U	0.95 U	0.94 U	0.95 U	0.91 U	0.96 U
Chloroethane	NS	2.1 U	2.2 U	2.2 U	2.2 U	2.1 U	2.2 U
1 1-Dichloroethene	NS	1.2 U	1.3 U	1.2 U	1.3 U	1.2 U	1.3 U
Carbon disulfide	NS	0.68 U	0.71 U	0.7 U	0.71 U	0.68 U	0.72 U
Acetone	NS	4.5 J	3.7 U	3.6 U	3.6 U	3.5 U	5.6 JM
Methylene chloride	NS	20 JB	18 JB	16 JB	20 JB	20 JB	12 JB
trans-1 2-Dichloroethene	NS	0.65 U	0.68 U	0.66 U	0.67 U	0.65 U	0.68 U
Methyl-tert-butyl-ether (MTBE)	NS	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
1 1-Dichloroethane	NS	0.9 U	0.94 U	0.92 U	0.94 U	0.9 U	0.95 U
cis-1 2-Dichloroethene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
2-Butanone (MEK)	NS	2 U	2.1 U	2 U	2.1 U	2 U	2.1 U
Chloroform	NS	0.59 U	0.62 U	0.61 U	0.61 U	0.59 U	0.62 U
1 1 1-Trichloroethane	NS	0.94 U	0.98 U	0.96 U	0.97 U	0.93 U	0.99 U
Carbon tetrachloride	NS	0.87 U	0.91 U	0.89 U	0.9 U	0.87 U	0.92 U
Benzene	NS	0.96 U	1 U	0.98 U	0.99 U	0.96 U	1 U
1 2-Dichloroethane	NS	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U
Trichloroethene	NS	0.76 U	0.79 U	0.78 U	0.79 U	0.76 U	0.8 U
1 2-Dichloropropane	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromodichloromethane	NS	0.94 U	0.98 U	0.96 U	0.97 U	0.93 U	0.99 U
cis-1 3-Dichloropropene	NS	0.87 U	0.91 U	0.89 U	0.9 U	0.87 U	0.92 U
4-Methyl-2-pentanone (MIBK)	NS	1.3 U	1.4 U	1.3 U	1.4 U	1.3 U	1.4 U
Toluene	NS	0.94 UB	0.98 UB	0.96 UB	0.97 U	0.93 UB	0.99 UB
trans-1 3-Dichloropropene	NS	1 U	1.1 U	1.1 U	1.1 U	1 U	1.1 U
1 1 2-Trichloroethane	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Tetrachloroethene	NS	0.78 U	0.81 U	0.8 U	0.81 U	0.78 U	0.82 U
2-Hexanone	NS	2.8 U	2.9 U	2.9 U	2.9 U	2.8 U	3 U

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-54(0-6)C 212660-020 1 4/13/2006 ug/Kg	B-54(0-6)D 212660-021 1 4/13/2006 ug/Kg	B-54(0-6)E 212660-022 1 4/13/2006 ug/Kg	B-54(0-6)F 212660-023 1 4/13/2006 ug/Kg	B-54(0-6)G 212660-024 1 4/13/2006 ug/Kg	B-54(0-6)H 212660-025 1 4/13/2006 ug/Kg
Dibromochloromethane	NS	0.46 U	0.48 U	0.47 U	0.47 U	0.46 U	0.48 U
Chlorobenzene	NS	0.88 U	0.92 U	0.9 U	0.91 U	0.88 U	0.93 U
Ethylbenzene	NS	0.88 U	0.92 U	0.9 U	0.91 U	0.88 U	0.93 U
Styrene	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Bromoform	NS	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U
1 1 2 2-Tetrachloroethane	NS	1.3 U	1.4 U	1.4 U	1.4 U	1.3 U	1.4 U
Xylenes (total)	NS	2.2 U	2.3 U	2.2 U	2.3 U	2.2 U	2.3 U
<b>Total VOCs</b>	<b>30,000,000</b>	25.44	18.98	16.96	20	20.93	18.59

**TABLE 1B**  
**VOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes**

1 - Waste classification criteria provided by Clean Earth, of Philadelphia, PA.

Exceedences are highlighted in bold font.

ug/Kg - micrograms per kilogram = parts per billion (ppb).

U - Analyte was not detected at or above the reporting limit.

\* - These samples were collected from the 6-14 foot depth interval, and were originally named B-44(6-14)A through E. The laboratory erroneously named them B-44(0-14)A through E for the VOA analysis.

**TABLE 2A**  
**TCLP - SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	TCLP Limits	B-20(0-6)	B-21(0-6)	B-22(0-6)	B-23(0-6)	B-24(0-6)	B-25(0-6)
Lab Sample ID	As Defined By	212630-002	212630-001	212628-002	212660-004	212660-005	212660-001
Dilution	40-CFR <sup>1</sup>	1	1	1	1	1	1
Date Sampled	mg/L	4/10/2006	4/10/2006	4/10/2006	4/13/2006	4/13/2006	4/12/2006
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Compound							
Pyridine-TCLP	5	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1 4-Dichlorobenzene-TCLP	7.5	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U
2-Methylphenol-TCLP	200	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Hexachloroethane-TCLP	3	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
4-Methylphenol-TCLP	200	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Nitrobenzene-TCLP	2	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachlorobutadiene-TCLP	0.5	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2 4 6-Trichlorophenol-TCLP	2	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2 4 5-Trichlorophenol-TCLP	400	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2 4-Dinitrotoluene-TCLP	0.13	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachlorobenzene-TCLP	0.13	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Pentachlorophenol-TCLP	100	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

**TABLE 2A**  
**TCLP - SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	TCLP Limits	B-26(0-6)	B-29(0-6)	B-43(0-6)	B-43(6-14)	B-44(0-6)	B-44(6-14)
Lab Sample ID	As Defined By	212491-001	212491-002	212519-001	212519-002	212555-001	212555-002
Dilution	40-CFR <sup>1</sup>	1	1	1	1	1	1
Date Sampled	mg/L	3/28/2006	3/28/2006	3/30/2006	3/30/2006	4/3/2006	4/3/2006
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Compound							
Pyridine-TCLP	5	0.005 U	0.005 U	0.002 U	0.002 U	0.005 U	0.005 U
1 4-Dichlorobenzene-TCLP	7.5	0.0009 U	0.0009 U	0.0005 U	0.0005 U	0.0009 U	0.0009 U
2-Methylphenol-TCLP	200	0.001 U	0.001 U	0.0006 U	0.0006 U	0.001 U	0.001 U
Hexachloroethane-TCLP	3	0.002 U	0.002 U	0.001 U	0.001 U	0.002 U	0.002 U
4-Methylphenol-TCLP	200	0.0007 U	0.0007 U	0.0003 U	0.0003 U	0.0007 U	0.0007 U
Nitrobenzene-TCLP	2	0.002 U	0.002 U	0.0008 U	0.0008 U	0.002 U	0.002 U
Hexachlorobutadiene-TCLP	0.5	0.002 U	0.002 U	0.0008 U	0.0008 U	0.002 U	0.002 U
2 4 6-Trichlorophenol-TCLP	2	0.002 U	0.002 U	0.0008 U	0.0008 U	0.002 U	0.002 U
2 4 5-Trichlorophenol-TCLP	400	0.002 U	0.002 U	0.0008 U	0.0008 U	0.002 U	0.002 U
2 4-Dinitrotoluene-TCLP	0.13	0.002 U	0.002 U	0.0008 U	0.0008 U	0.002 U	0.002 U
Hexachlorobenzene-TCLP	0.13	0.002 U	0.002 U	0.001 U	0.001 U	0.002 U	0.002 U
Pentachlorophenol-TCLP	100	0.01 U	0.01 U	0.005 U	0.005 U	0.01 U	0.01 U

**TABLE 2A**  
**TCLP - SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>TCLP Limits</b>	<b>B-46(0-6)</b>	<b>B-47(10-18)</b>	<b>B-52(0-6)</b>	<b>B-53(0-6)</b>	<b>B-54(0-6)</b>
<b>Lab Sample ID</b>	<b>As Defined By</b>	<b>212581-001</b>	<b>212628-001</b>	<b>212581-002</b>	<b>212660-002</b>	<b>212660-003</b>
<b>Dilution</b>	<b>40-CFR<sup>1</sup></b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>mg/L</b>	<b>4/4/2006</b>	<b>4/10/2006</b>	<b>4/4/2006</b>	<b>4/12/2006</b>	<b>4/13/2006</b>
<b>Units</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
<b>Compound</b>						
Pyridine-TCLP	5	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1 4-Dichlorobenzene-TCLP	7.5	0.0009 U	0.0009 U	0.0009 U	0.0009 U	0.0009 U
2-Methylphenol-TCLP	200	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Hexachloroethane-TCLP	3	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
4-Methylphenol-TCLP	200	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Nitrobenzene-TCLP	2	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachlorobutadiene-TCLP	0.5	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2 4 6-Trichlorophenol-TCLP	2	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2 4 5-Trichlorophenol-TCLP	400	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
2 4-Dinitrotoluene-TCLP	0.13	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Hexachlorobenzene-TCLP	0.13	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Pentachlorophenol-TCLP	100	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

**TABLE 2A**  
**TCLP - SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes**

1- Non hazardous waste as defined by the Federal Code of Regulations for hazardous waste (40 CFR) using the Toxicity Characteristic Leaching Procedure (TCLP).

Exceedences are highlighted in bold font.

mg/L - micrograms per liter = parts per million (ppm).

U - Analyte was not detected at or above the reporting limit.

**TABLE 2B**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-20(0-6) 212630-002 1 4/10/2006 ug/Kg	B-21(0-6) 212630-001 1 4/10/2006 ug/Kg	B-22(0-6) 212628-002 10 4/10/2006 ug/Kg	B-23(0-6) 212660-004 1 4/13/2006 ug/Kg	B-24(0-6) 212660-005 1 4/13/2006 ug/Kg	B-25(0-6) 212660-001 1 4/12/2006 ug/Kg
Phenol	NS	210 U	120 U	1000 U	100 U	110 U	110 U
Bis(2-chloroethyl)ether	NS	98 U	56 U	480 U	48 U	53 U	52 U
1 3-Dichlorobenzene	NS	110 U	64 U	540 U	54 U	60 U	59 U
1 4-Dichlorobenzene	NS	120 U	66 U	560 U	56 U	150 J	61 U
1 2-Dichlorobenzene	NS	120 U	70 U	590 U	59 U	66 U	65 U
Benzyl alcohol	NS	140 U	79 U	670 U	67 U	74 U	73 U
2-Methylphenol	NS	190 U	110 U	940 U	94 U	100 U	100 U
2 2-oxybis (1-chloropropane)	NS	100 U	59 U	500 U	50 U	55 U	54 U
n-Nitroso-di-n-propylamine	NS	98 U	56 U	480 U	48 U	53 U	52 U
Hexachloroethane	NS	130 U	74 U	630 U	62 U	69 U	68 U
4-Methylphenol	NS	390 U	220 U	1900 U	190 U	210 U	210 U
2-Chlorophenol	NS	190 U	110 U	910 U	91 U	100 U	99 U
Nitrobenzene	NS	87 U	50 U	420 U	42 U	47 U	46 U
Bis(2-chloroethoxy)methane	NS	120 U	71 U	600 U	60 U	67 U	66 U
1 2 4-Trichlorobenzene	NS	120 U	70 U	590 U	59 U	66 U	65 U
Isophorone	NS	130 U	75 U	640 U	63 U	70 U	69 U
2 4-Dimethylphenol	NS	370 U	210 U	1800 U	180 U	200 U	200 U
Hexachlorobutadiene	NS	150 U	85 U	720 U	72 U	80 U	79 U
Naphthalene	NS	120 U	79 J	1900 J	79 J	230 J	120 J
2 4-Dichlorophenol	NS	240 U	140 U	1200 U	120 U	130 U	130 U
4-Chloroaniline	NS	230 U	130 U	1100 U	110 U	130 U	120 U
2 4 6-Trichlorophenol	NS	190 U	110 U	900 U	90 U	100 U	98 U
2 4 5-Trichlorophenol	NS	260 U	150 U	1300 U	130 U	140 U	140 U
Hexachlorocyclopentadiene	NS	540 U	310 U	2600 U	260 U	290 U	290 U
2-Methylnaphthalene	NS	180 J	66 U	1400 J	120 J	240 J	130 J
2-Nitroaniline	NS	91 U	52 U	450 U	44 U	49 U	48 U
2-Chloronaphthalene	NS	110 U	61 U	520 U	52 U	58 U	57 U
4-Chloro-3-methylphenol	NS	250 U	140 U	1200 U	120 U	130 U	130 U
2 6-Dinitrotoluene	NS	130 U	76 U	650 U	64 U	72 U	70 U



**TABLE 2B**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-20(0-6) 212630-002 1 4/10/2006 ug/Kg	B-21(0-6) 212630-001 1 4/10/2006 ug/Kg	B-22(0-6) 212628-002 10 4/10/2006 ug/Kg	B-23(0-6) 212660-004 1 4/13/2006 ug/Kg	B-24(0-6) 212660-005 1 4/13/2006 ug/Kg	B-25(0-6) 212660-001 1 4/12/2006 ug/Kg
2-Nitrophenol	NS	250 U	140 U	1200 U	120 U	140 U	130 U
3-Nitroaniline	NS	150 U	86 U	730 U	73 U	81 U	80 U
Dimethyl phthalate	NS	110 U	64 U	540 U	54 U	60 U	59 U
2 4-Dinitrophenol	NS	250 U	140 U	1200 U	120 U	140 U	130 U
Acenaphthylene	NS	160 J	130 J	1500 J	170 J	200 J	130 J
2 4-Dinitrotoluene	NS	130 U	75 U	640 U	63 U	70 U	69 U
Acenaphthene	NS	520 J	100 J	3100 J	100 J	330 J	71 J
Dibenzofuran	NS	340 J	66 U	2900 J	56 U	220 J	61 U
4-Nitrophenol	NS	310 U	180 U	1500 U	150 U	170 U	160 U
Fluorene	NS	480 J	110 J	4700	88 J	300 J	64 J
4-Nitroaniline	NS	100 U	60 U	510 U	51 U	56 U	55 U
4-Bromophenyl phenyl ether	NS	110 U	64 U	540 U	54 U	60 U	59 U
Hexachlorobenzene	NS	110 U	61 U	520 U	52 U	58 U	57 U
Diethyl phthalate	NS	110 U	61 U	2100 J	52 U	58 U	57 U
4-Chlorophenyl phenyl ether	NS	100 U	57 U	490 U	49 U	54 U	53 U
Pentachlorophenol	NS	630 U	360 U	3100 U	300 U	340 U	330 U
n-Nitrosodiphenylamine	NS	110 U	62 U	530 U	53 U	59 U	58 U
4 6-Dinitro-2-methylphenol	NS	520 U	300 U	2500 U	250 U	280 U	280 U
Phenanthrene	NS	6000	1600	32000	1400	4200	1100
Anthracene	NS	1000	310 J	8700	420	940	230 J
Carbazole	NS	480 J	110 J	3000 J	86 J	340 J	98 J
Di-n-butyl phthalate	NS	96 U	55 U	470 U	46 U	220 J	250 J
Fluoranthene	NS	5900	2400	19000	3000	4200	1700
Pyrene	NS	5000	2500	16000	2100	3500	1500
Butyl benzyl phthalate	NS	94 U	54 U	460 U	45 U	51 U	50 U
Benzo(a)anthracene	NS	3200	1500	13000	1500	2200	1000
Chrysene	NS	3100	1500	11000	1500	2500	1100
3 3-Dichlorobenzidine	NS	190 U	110 U	940 U	94 U	100 U	100 U
Bis(2-ethylhexyl)phthalate	NS	96 U	55 U	630 J	56 JH	64 J	58 J

**TABLE 2B**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup>	B-20(0-6) 212630-002	B-21(0-6) 212630-001	B-22(0-6) 212628-002	B-23(0-6) 212660-004	B-24(0-6) 212660-005	B-25(0-6) 212660-001
Lab Sample ID		1	1	10	1	1	1
Dilution							
Date Sampled		4/10/2006	4/10/2006	4/10/2006	4/13/2006	4/13/2006	4/12/2006
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Compound							
Di-n-octyl phthalate	NS	76 U	44 U	370 U	37 U	41 U	40 U
Benzo(b)fluoranthene	NS	2500	1600	9000	1400	1700	1200
Benzo(k)fluoranthene	NS	1400	540 M	4200	1100	1400	450
Benzo(a)pyrene	NS	2600	1400	9200	1500	1900	940
Indeno(1 2 3-cd)pyrene	NS	2300	1400	6600	790	1000	620
Dibenzo(a h)anthracene	NS	790	470	2300 J	280 J	410	150 J
Benzo(ghi)perylene	NS	2700	2000	6800	820	1100	610
<b>Total SVOCs</b>	<b>40,000,000</b>	38,650	17,749	159,030	16,509	27,344	11,521

**TABLE 2B**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-26(0-6) 212491-001 50 3/28/2006 ug/Kg	B-29(0-6) 212491-002 10 3/28/2006 ug/Kg	B-43(0-6) 212519-001 1 3/30/2006 ug/Kg	B-43(6-14) 212519-002 4 3/30/2006 ug/Kg	B-44(0-6) 212555-001 1 4/3/2006 ug/Kg	B-44(6-14) 212555-002 1 4/3/2006 ug/Kg
Phenol	NS	11000 U	1100 U	110 U	410 U	110 U	110 U
Bis(2-chloroethyl)ether	NS	5200 U	490 U	50 U	190 U	49 U	51 U
1 3-Dichlorobenzene	NS	5900 U	560 U	57 U	220 U	55 U	58 U
1 4-Dichlorobenzene	NS	6200 U	580 U	59 U	220 U	57 U	60 U
1 2-Dichlorobenzene	NS	6500 U	620 U	62 U	240 U	61 U	63 U
Benzyl alcohol	NS	7300 U	690 U	70 U	270 U	68 U	71 U
2-Methylphenol	NS	10000 U	980 U	99 U	380 U	96 U	100 U
2 2-oxybis (1-chloropropane)	NS	5500 U	520 U	52 U	200 U	51 U	53 U
n-Nitroso-di-n-propylamine	NS	5200 U	490 U	50 U	190 U	49 U	51 U
Hexachloroethane	NS	6800 U	650 U	66 U	250 U	64 U	67 U
4-Methylphenol	NS	21000 U	2000 U	200 U	760 U	190 U	200 U
2-Chlorophenol	NS	10000 U	940 U	96 U	360 U	93 U	97 U
Nitrobenzene	NS	4600 U	440 U	45 U	170 U	43 U	45 U
Bis(2-chloroethoxy)methane	NS	6600 U	630 U	64 U	240 U	62 U	64 U
1 2 4-Trichlorobenzene	NS	6500 U	620 U	62 U	240 U	61 U	63 U
Isophorone	NS	7000 U	660 U	67 U	250 U	65 U	68 U
2 4-Dimethylphenol	NS	20000 U	1900 U	190 U	730 U	190 U	190 U
Hexachlorobutadiene	NS	7900 U	750 U	76 U	290 U	74 U	77 U
Naphthalene	NS	20000 J	670 J	420	1800	320 J	380
2 4-Dichlorophenol	NS	13000 U	1200 U	120 U	460 U	120 U	120 U
4-Chloroaniline	NS	12000 U	1200 U	120 U	450 U	120 U	120 U
2 4 6-Trichlorophenol	NS	9900 U	930 U	95 U	360 U	92 U	96 U
2 4 5-Trichlorophenol	NS	14000 U	1300 U	130 U	510 U	130 U	140 U
Hexachlorocyclopentadiene	NS	29000 U	2700 U	280 U	1100 U	270 U	280 U
2-Methylnaphthalene	NS	12000 J	580 U	270 J	1200 J	170 J	120 J
2-Nitroaniline	NS	4900 U	460 U	47 U	180 U	46 U	48 U
2-Chloronaphthalene	NS	5700 U	540 U	55 U	210 U	53 U	55 U
4-Chloro-3-methylphenol	NS	13000 U	1200 U	130 U	480 U	120 U	130 U
2 6-Dinitrotoluene	NS	7100 U	670 U	68 U	260 U	66 U	69 U

**TABLE 2B**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-26(0-6) 212491-001 50 3/28/2006 ug/Kg	B-29(0-6) 212491-002 10 3/28/2006 ug/Kg	B-43(0-6) 212519-001 1 3/30/2006 ug/Kg	B-43(6-14) 212519-002 4 3/30/2006 ug/Kg	B-44(0-6) 212555-001 1 4/3/2006 ug/Kg	B-44(6-14) 212555-002 1 4/3/2006 ug/Kg
2-Nitrophenol	NS	13000 U	1300 U	130 U	490 U	130 U	130 U
3-Nitroaniline	NS	8000 U	760 U	77 U	290 U	75 U	78 U
Dimethyl phthalate	NS	5900 U	560 U	57 U	220 U	55 U	58 U
2 4-Dinitrophenol	NS	13000 U	1300 U	130 U	490 U	120 U	130 U
Acenaphthylene	NS	9400 J	3500 J	97 J	510 J	110 J	48 J
2 4-Dinitrotoluene	NS	7000 U	660 U	67 U	250 U	65 U	68 U
Acenaphthene	NS	34000 J	1100 J	61 U	680 J	60 U	62 U
Dibenzofuran	NS	20000 J	1100 J	100 J	1100 J	73 J	67 J
4-Nitrophenol	NS	16000 U	1600 U	160 U	600 U	150 U	160 U
Fluorene	NS	29000 J	1300 J	72 J	790 J	67 J	49 U
4-Nitroaniline	NS	5600 U	530 U	53 U	200 U	52 U	54 U
4-Bromophenyl phenyl ether	NS	5900 U	560 U	57 U	220 U	55 U	58 U
Hexachlorobenzene	NS	5700 U	540 U	55 U	210 U	53 U	55 U
Diethyl phthalate	NS	5700 U	540 U	55 U	210 U	53 U	55 U
4-Chlorophenyl phenyl ether	NS	5300 U	510 U	51 U	200 U	50 U	52 U
Pentachlorophenol	NS	33000 U	3200 U	320 U	1200 U	310 U	330 U
n-Nitrosodiphenylamine	NS	5800 U	550 U	56 U	210 U	54 U	57 U
4 6-Dinitro-2-methylphenol	NS	28000 U	2600 U	270 U	1000 U	260 U	270 U
Phenanthrene	NS	320000	23000	980	9800	800	480
Anthracene	NS	67000	3500 J	170 J	1800	180 J	80 J
Carbazole	NS	16000 J	1700 J	89 J	790 J	100 J	55 U
Di-n-butyl phthalate	NS	5100 U	480 U	160 J	190 U	480	86 J
Fluoranthene	NS	250000	30000	1100	8000	950	450
Pyrene	NS	290000	19000	1200	7500	800	440
Butyl benzyl phthalate	NS	5000 U	470 U	450	180 U	4900	520
Benzo(a)anthracene	NS	120000	12000	540	4000	570	260 J
Chrysene	NS	120000	13000	610	4300	560	250 J
3 3-Dichlorobenzidine	NS	10000 U	980 U	99 U	380 U	96 U	100 U
Bis(2-ethylhexyl)phthalate	NS	5100 U	480 U	740	190 U	1600	390

**TABLE 2B**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup>	B-26(0-6)	B-29(0-6)	B-43(0-6)	B-43(6-14)	B-44(0-6)	B-44(6-14)
Lab Sample ID		212491-001	212491-002	212519-001	212519-002	212555-001	212555-002
Dilution		50	10	1	4	1	1
Date Sampled		3/28/2006	3/28/2006	3/30/2006	3/30/2006	4/3/2006	4/3/2006
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Compound							
Di-n-octyl phthalate	NS	4100 U	380 U	39 U	150 U	38 U	40 U
Benzo(b)fluoranthene	NS	92000	13000	500	4200	530	240 J
Benzo(k)fluoranthene	NS	31000 J	4300	150 J	160 U	250 J	110 J
Benzo(a)pyrene	NS	93000	10000	390	3000	500	210 J
Indeno(1 2 3-cd)pyrene	NS	93000	6300	440	2900	530	250 J
Dibenzo(a h)anthracene	NS	23000 J	1600 J	120 J	770 J	140 J	57 J
Benzo(ghi)perylene	NS	99000	5400	440	2600	560	260 J
<b>Total SVOCs</b>	<b>40,000,000</b>	1,738,400	150,470	9,038	55,740	14,190	4,698

**TABLE 2B**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-46(0-6) 212581-001 1 4/4/2006 ug/Kg	B-47(10-18) 212628-001 4 4/10/2006 ug/Kg	B-52(0-6) 212581-002 1 4/4/2006 ug/Kg	B-53(0-6) 212660-002 5 4/12/2006 ug/Kg	B-54(0-6) 212660-003 1 4/13/2006 ug/Kg
Phenol	NS	110 U	470 U	110 U	560 U	110 U
Bis(2-chloroethyl)ether	NS	50 U	220 U	49 U	260 U	53 U
1 3-Dichlorobenzene	NS	56 U	250 U	56 U	300 U	60 U
1 4-Dichlorobenzene	NS	58 U	260 U	58 U	310 U	62 U
1 2-Dichlorobenzene	NS	62 U	270 U	61 U	330 U	65 U
Benzyl alcohol	NS	69 U	300 U	69 U	370 U	74 U
2-Methylphenol	NS	98 U	430 U	97 U	520 U	100 U
2 2-oxybis (1-chloropropane)	NS	52 U	230 U	51 U	270 U	55 U
n-Nitroso-di-n-propylamine	NS	50 U	220 U	49 U	260 U	53 U
Hexachloroethane	NS	65 U	280 U	64 U	340 U	69 U
4-Methylphenol	NS	200 U	860 U	200 U	1000 U	210 U
2-Chlorophenol	NS	95 U	410 U	94 U	500 U	100 U
Nitrobenzene	NS	44 U	190 U	44 U	230 U	47 U
Bis(2-chloroethoxy)methane	NS	63 U	270 U	62 U	330 U	67 U
1 2 4-Trichlorobenzene	NS	62 U	270 U	61 U	330 U	65 U
Isophorone	NS	66 U	290 U	65 U	350 U	70 U
2 4-Dimethylphenol	NS	190 U	830 U	190 U	1000 U	200 U
Hexachlorobutadiene	NS	75 U	330 U	74 U	400 U	80 U
Naphthalene	NS	63 U	3500	62 U	330 U	85 J
2 4-Dichlorophenol	NS	120 U	520 U	120 U	630 U	130 U
4-Chloroaniline	NS	120 U	520 U	120 U	620 U	130 U
2 4 6-Trichlorophenol	NS	94 U	410 U	93 U	500 U	99 U
2 4 5-Trichlorophenol	NS	130 U	580 U	130 U	700 U	140 U
Hexachlorocyclopentadiene	NS	270 U	1200 U	270 U	1400 U	290 U
2-Methylnaphthalene	NS	58 U	1100 J	58 U	310 U	62 U
2-Nitroaniline	NS	46 U	200 U	46 U	240 U	49 U
2-Chloronaphthalene	NS	54 U	240 U	53 U	290 U	57 U
4-Chloro-3-methylphenol	NS	120 U	540 U	120 U	660 U	130 U
2 6-Dinitrotoluene	NS	67 U	290 U	67 U	360 U	71 U

**TABLE 2B**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-46(0-6) 212581-001 1 4/4/2006 ug/Kg	B-47(10-18) 212628-001 4 4/10/2006 ug/Kg	B-52(0-6) 212581-002 1 4/4/2006 ug/Kg	B-53(0-6) 212660-002 5 4/12/2006 ug/Kg	B-54(0-6) 212660-003 1 4/13/2006 ug/Kg
2-Nitrophenol	NS	130 U	560 U	130 U	680 U	140 U
3-Nitroaniline	NS	76 U	330 U	75 U	400 U	81 U
Dimethyl phthalate	NS	56 U	250 U	56 U	300 U	60 U
2 4-Dinitrophenol	NS	130 U	550 U	130 U	670 U	130 U
Acenaphthylene	NS	45 U	1600	45 U	1600 J	110 J
2 4-Dinitrotoluene	NS	66 U	290 U	65 U	350 U	70 U
Acenaphthene	NS	61 U	2300	60 U	530 J	110 J
Dibenzofuran	NS	58 U	2000	58 U	500 J	69 J
4-Nitrophenol	NS	160 U	680 U	150 U	830 U	170 U
Fluorene	NS	47 U	2500	47 U	740 JM	90 J
4-Nitroaniline	NS	53 U	230 U	52 U	280 U	56 U
4-Bromophenyl phenyl ether	NS	56 U	250 U	56 U	300 U	60 U
Hexachlorobenzene	NS	54 U	240 U	53 U	290 U	57 U
Diethyl phthalate	NS	54 U	1200 J	53 U	290 U	57 U
4-Chlorophenyl phenyl ether	NS	51 U	220 U	50 U	270 U	54 U
Pentachlorophenol	NS	320 U	1400 U	310 U	1700 U	340 U
n-Nitrosodiphenylamine	NS	55 U	240 U	55 U	290 U	58 U
4 6-Dinitro-2-methylphenol	NS	260 U	1200 U	260 U	1400 U	280 U
Phenanthrene	NS	510	18000	220 J	12000	1600
Anthracene	NS	75 J	4600	60 U	2500	320 J
Carbazole	NS	54 U	2200	53 U	840 J	120 J
Di-n-butyl phthalate	NS	48 U	210 U	48 U	260 U	51 U
Fluoranthene	NS	1000	16000	320 J	17000	2600
Pyrene	NS	1100	15000	360 J	14000	2100
Butyl benzyl phthalate	NS	66 J	210 U	47 U	250 U	50 U
Benzo(a)anthracene	NS	560	8500	180 J	9200	1300
Chrysene	NS	620	7500	180 J	8500	1400
3 3-Dichlorobenzidine	NS	98 U	430 U	97 U	520 U	100 U
Bis(2-ethylhexyl)phthalate	NS	69 J	210 U	48 U	260 U	51 U

**TABLE 2B**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup>	B-46(0-6)	B-47(10-18)	B-52(0-6)	B-53(0-6)	B-54(0-6)
Lab Sample ID		212581-001	212628-001	212581-002	212660-002	212660-003
Dilution		1	4	1	5	1
Date Sampled		4/4/2006	4/10/2006	4/4/2006	4/12/2006	4/13/2006
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Compound						
Di-n-octyl phthalate	NS	39 U	170 U	38 U	200 U	41 U
Benzo(b)fluoranthene	NS	620	7800	190 J	5700	1500
Benzo(k)fluoranthene	NS	41 U	2000 H	51 J	6500	530
Benzo(a)pyrene	NS	310 J	7900	130 J	7300	1300
Indeno(1 2 3-cd)pyrene	NS	190 J	6300	140 J	4800	770
Dibenzo(a h)anthracene	NS	48 JM	1900	40 U	1800 J	200 J
Benzo(ghi)perylene	NS	200 J	7300	150 J	4800	740
<b>Total SVOCs</b>	<b>40,000,000</b>	5,368	119,200	1,921	98,310	14,944



**TABLE 2B**  
**SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes:**

1 - Waste classification criteria provided by Clean Earth, of Philadelphia, PA.

ug/Kg - micrograms per kilogram = parts per billion (ppb).

U - Analyte was not detected at or above the reporting limit.

J - Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).

M - concentration calculated using manual integration.

NS - No standard.

**TABLE 3**  
**PESTICIDES AND HERBICIDES IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	TCLP Limits	B-20(0-6)	B-21(0-6)	B-22(0-6)	B-23(0-6)	B-24(0-6)	B-25(0-6)
Lab Sample ID	As Defined By	212630-002	212630-001	212628-002	212660-004	212660-005	212660-001
Dilution	40-CFR <sup>1</sup>	1	1	1	1	1	1
Date Sampled	mg/L	4/10/2006	4/10/2006	4/10/2006	4/13/2006	4/13/2006	4/12/2006
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Compound							
<b>Herbicides</b>							
2,4,5-TP (Silvex)-TCLP	1	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
2,4-D-TCLP	10	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
<b>Pesticides</b>							
gamma-BHC (Lindane)-TCLP	0.4	0.000026 U	0.000026 U	0.000026 U	0.000026 U	0.000026 U	0.000026 U
Heptachlor-TCLP	0.008	0.000039 U	0.000039 U	0.000039 U	0.000039 U	0.000039 U	0.000039 U
Heptachlor epoxide-TCLP	0.008	0.000028 U	0.000028 U	0.000028 U	0.000028 U	0.000028 U	0.000028 U
Endrin-TCLP	0.02	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
Methoxychlor-TCLP	10	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Toxaphene-TCLP	0.5	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Chlordane-TCLP	0.03	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U

**TABLE 3**  
**PESTICIDES AND HERBICIDES IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	TCLP Limits	B-26(0-6)	B-29(0-6)	B-43(0-6)	B-43(6-14)	B-44(0-6)	B-44(6-14)
Lab Sample ID	As Defined By	A6C310123001	A6C310123002	212519-001	212519-002	212555-001	212555-002
Dilution	40-CFR <sup>1</sup>	1	1	1	1	1	1
Date Sampled	mg/L	3/28/2006	3/28/2006	3/30/2006	3/30/2006	4/3/2006	4/3/2006
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Compound							
<b>Herbicides</b>							
2,4,5-TP (Silvex)-TCLP	1	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
2,4-D-TCLP	10	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
<b>Pesticides</b>							
gamma-BHC (Lindane)-TCLP	0.4	0.000026 U	0.000026 U	0.000026 U	0.000026 U	0.000026 U	0.000026 U
Heptachlor-TCLP	0.008	0.000039 U	0.000039 U	0.000039 U	0.000039 U	0.000039 U	0.000039 U
Heptachlor epoxide-TCLP	0.008	0.000028 U	0.000028 U	0.000028 U	0.000028 U	0.000028 U	0.000028 U
Endrin-TCLP	0.02	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
Methoxychlor-TCLP	10	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Toxaphene-TCLP	0.5	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Chlordane-TCLP	0.03	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U

**TABLE 3**  
**PESTICIDES AND HERBICIDES IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	TCLP Limits	B-46(0-6)	B-47(10-18)	B-52(0-6)	B-53(0-6)	B-54(0-6)
Lab Sample ID	As Defined By	212581-001	212628-001	212581-002	212660-002	212660-003
Dilution	40-CFR <sup>1</sup>	1	1	1	1	1
Date Sampled		4/4/2006	4/10/2006	4/4/2006	4/12/2006	4/13/2006
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Compound						
<b>Herbicides</b>						
2,4,5-TP (Silvex)-TCLP	1	0.00016 U	0.00016 U	0.00016 U	0.00016 U	0.00016 U
2,4-D-TCLP	10	0.0015 U	0.0015 U	0.0015 U	0.0015 U	0.0015 U
<b>Pesticides</b>						
gamma-BHC (Lindane)-TCLP	0.4	0.000026 U	0.000026 U	0.000026 U	0.000026 U	0.000046 JM
Heptachlor-TCLP	0.008	0.000039 U	0.000039 U	0.000039 U	0.000039 U	0.000039 U
Heptachlor epoxide-TCLP	0.008	0.000028 U	0.000028 U	0.000028 U	0.000028 U	0.000028 U
Endrin-TCLP	0.02	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
Methoxychlor-TCLP	10	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Toxaphene-TCLP	0.5	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U
Chlordane-TCLP	0.03	0.00012 U	0.00012 U	0.00012 U	0.00012 U	0.00012 U

**TABLE 3**  
**PESTICIDES AND HERBICIDES IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes**

1- Non hazardous waste as defined by the Federal Code of Regulations for hazardous waste (40 CFR) using the Toxicity Characteristic Leaching Procedure (TCLP).

Exceedences are highlighted in bold font.

mg/L - micrograms per liter = parts per million (ppm).

J - Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).

M - concentration calculated using manual integration.

U - Analyte was not detected at or above the reporting limit.

**TABLE 4**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup> ug/Kg	B-20(0-6) 212630-002 1 4/10/2006 ug/Kg	B-21(0-6) 212630-001 1 4/10/2006 ug/Kg	B-22(0-6) 212628-002 1 4/10/2006 ug/Kg	B-23(0-6) 212660-004 1 4/13/2006 ug/Kg	B-24(0-6) 212660-005 1 4/13/2006 ug/Kg	B-25(0-6) 212660-001 1 4/12/2006 ug/Kg
Lab Sample ID							
Dilution							
Date Sampled							
Units							
Compound							
Aroclor 1016	NS	3.1 U	3.6 U	3 U	3 U	3.3 U	3.2 U
Aroclor 1221	NS	1.7 U	2 U	1.6 U	1.7 U	1.8 U	1.7 U
Aroclor 1232	NS	2.1 U	2.4 U	2 U	2 U	2.2 U	2.1 U
Aroclor 1242	NS	3.3 U	3.9 U	3.2 U	3.2 U	3.5 U	3.4 U
Aroclor 1248	NS	3 U	3.5 U	2.8 U	2.9 U	3.2 U	3.1 U
Aroclor 1254	NS	1.3 U	9.6 JM	46	1.3 U	1.4 U	1.4 U
Aroclor 1260	NS	4.4 U	5.2 U	88	4.3 U	15 JM	24 M
<b>Total PCBs</b>	<b>50,000</b>	ND	10	134	ND	15	24

**TABLE 4**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup>	B-26(0-6)	B-29(0-6)	B-43(0-6)	B-43(6-14)	B-44(0-6)	B-44(6-14)
Lab Sample ID		212491-001	212491-002	212519-001	212519-002	212555-001	212555-002
Dilution		1	1	1	1	1	1
Date Sampled		3/28/2006	3/28/2006	3/30/2006	3/30/2006	4/3/2006	4/3/2006
Units	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/L	ug/Kg	ug/Kg
Compound							
Aroclor 1016	NS	3.3 U	3.1 U	3.2 U	3.1 U	3.2 U	3.1 U
Aroclor 1221	NS	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Aroclor 1232	NS	2.2 U	2.1 U	2.1 U	2 U	2.1 U	2.1 U
Aroclor 1242	NS	3.5 U	3.3 U	3.4 U	3.3 U	3.4 U	3.3 U
Aroclor 1248	NS	3.1 U	3 U	3.1 U	3 U	3.1 U	3 U
Aroclor 1254	NS	1.4 U	1.3 U	15 J	5.1 JM	35 M	8.4 JM
Aroclor 1260	NS	34 M	4.4 U	19 J	4.4 U	18 J	4.5 U
<b>Total PCBs</b>	<b>50,000</b>	34	ND	34	5	53	8

**TABLE 4**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup>	B-46(0-6) 212581-001	B-47(10-18) 212628-001	B-52(0-6) 212581-002	B-53(0-6) 212660-002	B-54(0-6) 212660-003
Lab Sample ID		1	1	1	1	1
Dilution						
Date Sampled		4/4/2006	4/10/2006	4/4/2006	4/12/2006	4/13/2006
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Compound						
Aroclor 1016	NS	3 U	3.5 U	3.1 U	3.3 U	3.3 U
Aroclor 1221	NS	1.7 U	1.9 U	1.7 U	1.8 U	1.8 U
Aroclor 1232	NS	2 U	2.3 U	2 U	2.2 U	2.2 U
Aroclor 1242	NS	3.2 U	3.7 U	3.3 U	3.5 U	3.5 U
Aroclor 1248	NS	2.9 U	3.3 U	3 U	3.2 U	3.1 U
Aroclor 1254	NS	55 M	1.5 U	3.7 JM	1.4 U	1.4 U
Aroclor 1260	NS	9.7 JM	36 M	4.4 U	35 M	4.7 U
<b>Total PCBs</b>	<b>50,000</b>	65	36	4	35	ND



**TABLE 4**  
**POLYCHLORINATED BIPHENYLS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes**

1 - Waste classification criteria provided by Clean Earth, of Philadelphia, PA.

µg/Kg - micrograms per kilogram = parts per billion (ppb)

U - Analyte was not detected at or above the reporting limit.

J - Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).

M - concentration calculated using manual integration.

NS - No standard.

ND - Not detected.

**TABLE 5**  
**TCLP METALS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID	TCLP Limits as defined by 40-CFR <sup>1</sup> mg/L	B-20(0-6) 212630-002 1 4/10/2006 mg/L	B-21(0-6) 212630-001 1 4/10/2006 mg/L	B-22(0-6) 212628-002 1 4/10/2006 mg/L	B-23(0-6) 212660-004 1 4/13/2006 mg/L	B-24(0-6) 212660-005 1 4/13/2006 mg/L	B-25(0-6) 212660-001 1 4/12/2006 mg/L
Arsenic-TCLP	5	0.0279 B	0.0195 U	0.0195 U	0.0195 U	0.0195 U	0.0195 U
Barium-TCLP	100	0.77	1.27	1.02	0.997	1.24	1.43
Cadmium-TCLP	1	0.008 B	0.0061 B	0.0177 B	0.0124 B	0.221	0.0772
Chromium-TCLP	5	0.0065 U	0.0065 U	0.0065 U	0.0065 U	0.0065 U	0.0065 U
Lead-TCLP	5	0.967	0.337	0.289	2.18	3.59	2.51
Mercury-TCLP	0.2	0.0009 U	0.0009 U	0.0009 U	0.0009 UN	0.0009 UN	0.001 BN
Selenium-TCLP	1	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Silver-TCLP	5	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U

**TABLE 5**  
**TCLP METALS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

Client ID Lab Sample ID Dilution Date Sampled Units Compound	TCLP Limits as defined by 40-CFR <sup>1</sup> mg/L	B-26(0-6) 212491-001 1 3/28/2006 mg/L	B-29(0-6) 212491-002 1 3/28/2006 mg/L	B-32 (0-14) Need to sample All other metals pass BUD criteria	B-43(0-6) 212519-001 1 3/30/2006 mg/L	B-43(6-14) 212519-002 1 3/30/2006 mg/L	B-44(0-6) 212555-001 1 4/3/2006 mg/L
Arsenic-TCLP	5	0.021 B	0.0195 U		0.0195 U	0.0195 U	0.0195 U
Barium-TCLP	100	1.06	0.713		0.47	0.369	0.35
Cadmium-TCLP	1	0.102	0.0203 B		0.0055 U	0.0055 U	0.0055 U
Chromium-TCLP	5	0.0146 B	0.0065 U		0.0065 U	0.0065 U	0.0174 B
Lead-TCLP	5	<b>23.4</b>	<b>5.14</b>	0.139	0.274	0.244	0.264
Mercury-TCLP	0.2	0.0009 UN	0.0009 UN		0.0016 BN	0.0009 UN	0.0009 U
Selenium-TCLP	1	0.025 U	0.025 U		0.025 U	0.025 U	0.025 U
Silver-TCLP	5	0.0062 B	0.0055 U		0.0055 U	0.0055 U	0.0055 U

**TABLE 5**  
**TCLP METALS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>TCLP Limits</b>	<b>B-44(6-14)</b>
<b>Lab Sample ID</b>	<b>as defined by</b>	<b>212555-002</b>
<b>Dilution</b>	<b>40-CFR<sup>1</sup></b>	<b>1</b>
<b>Date Sampled</b>	<b>mg/L</b>	<b>4/3/2006</b>
<b>Units</b>	<b>mg/L</b>	<b>mg/L</b>
<b>Compound</b>		
Arsenic-TCLP	5	0.0195 U
Barium-TCLP	100	0.407
Cadmium-TCLP	1	0.0055 U
Chromium-TCLP	5	0.0118 B
Lead-TCLP	5	0.182
Mercury-TCLP	0.2	0.0009 U
Selenium-TCLP	1	0.025 U
Silver-TCLP	5	0.0055 U

**TABLE 5**  
**TCLP METALS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>TCLP Limits as defined by 40-CFR<sup>1</sup></b>	<b>B-46(0-6) 212581-001</b>	<b>B-47(10-18) 212628-001</b>	<b>B-52(0-6) 212581-002</b>	<b>B-53(0-6) 212660-002</b>	<b>B-54(0-6) 212660-003</b>
<b>Lab Sample ID</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Dilution</b>						
<b>Date Sampled</b>		<b>4/4/2006</b>	<b>4/10/2006</b>	<b>4/4/2006</b>	<b>4/12/2006</b>	<b>4/13/2006</b>
<b>Units</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>
<b>Compound</b>						
Arsenic-TCLP	5	0.0195 U	0.023 B	0.0195 U	0.0195 U	0.0195 U
Barium-TCLP	100	0.445	0.225	0.236	0.912	0.795
Cadmium-TCLP	1	0.0055 U	0.0055 U	0.0055 U	0.0179 B	0.0055 U
Chromium-TCLP	5	0.0233 B	0.0065 U	0.0065 U	0.0065 U	0.0065 U
Lead-TCLP	5	0.064	0.802	0.0912	<b>17</b>	0.137
Mercury-TCLP	0.2	0.0009 U	0.0009 U	0.0009 U	0.0009 UN	0.0009 UN
Selenium-TCLP	1	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Silver-TCLP	5	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.0055 U

**TABLE 5**  
**TCLP METALS IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes:**

1 - The RCRA Toxicity Characteristic Leaching Potential (TCLP) maximum contaminant concentrations.

SB - Site Background

mg/L - milligrams per liter = parts per million (ppm)

U - Analyte was not detected at or above the reporting limit.

B - Value obtained from a reading that was less than the Contract Required Detection Limit (CRDL).

N - MS/MSD spike recovery exceeds control limits.

**TABLE 6**  
**SULFIDE, TOX, AND CYANIDE IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61ST STREE SITE**  
**NEW YORK, NEW YORK**

Client ID	Clean Earth Philadelphia Acceptance Criteria <sup>1</sup>	B-21(0-6)	B-20(0-6)	B-22(0-6)	B-23(0-6)	B-24(0-6)	B-25(0-6)
Lab Sample ID		212630-001	212630-002	212628-002	212660-004	212660-005	212660-001
Dilution		1	1	1	1	1	1
Date Sampled		4/10/2006	4/10/2006	4/10/2006	4/13/2006	4/13/2006	4/12/2006
Units	mg/kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Compound							
Reactivity Sulfide	ND	12 U	12 U	12 U	12 U	12 U	12 U
Total Extractable Organic Halogens	ND	35.4 U	35.7 U	36.6 U	37.3 U	40.7 U	38.6 U

Client ID	Clean Earth Philadelphia Acceptance Criteria	B-20(0-6)	B-21(0-6)	B-22(0-6)	B-23(0-6)	B-24(0-6)	B-25(0-6)
Lab Sample ID		212630-002	212630-001	212628-002	212660-004	212660-005	212660-001
Dilution		1	1	1	1	1	1
Date Sampled		4/10/2006	4/10/2006	4/10/2006	4/13/2006	4/13/2006	4/12/2006
Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound							
Reactivity Cyanide	ND	ND U	ND U	ND U	ND U	ND U	ND U

**TABLE 6**  
**SULFIDE, TOX, AND CYANIDE IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61ST STREE SITE**  
**NEW YORK, NEW YORK**

Client ID	B-26(0-6)	B-29(0-6)	B-43(0-6)	B-43(6-14)	B-44(0-6)	B-44(6-14)
Lab Sample ID	212491-001	212491-002	212519-001	212519-002	212555-001	212555-002
Dilution	1	1	1	1	1	1
Date Sampled	3/28/2006	3/28/2006	3/30/2006	3/30/2006	4/3/2006	4/3/2006
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Compound						
Reactivity Sulfide	12 U	12 U	12 U	12 U	12 U	12 U
Total Extractable Organic Halogens	35 U	35.5 U	38.1 U	34.5 U	35.1 U	35.3 U

Client ID	B-26(0-6)	B-29(0-6)	B-43(0-6)	B-43(6-14)	B-44(0-6)	B-44(6-14)
Lab Sample ID	212491-001	212491-002	212519-001	212519-002	212555-001	212555-002
Dilution	1	1	1	1	1	1
Date Sampled	3/28/2006	3/28/2006	3/30/2006	3/30/2006	4/3/2006	4/3/2006
Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
Compound						
Reactivity Cyanide	ND U	ND U	ND U	ND U	ND U	ND U



**TABLE 6**  
**SULFIDE, TOX, AND CYANIDE IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61ST STREE SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>B-46(0-6)</b>	<b>B-47(10-18)</b>	<b>B-52(0-6)</b>	<b>B-53(0-6)</b>	<b>B-54(0-6)</b>
<b>Lab Sample ID</b>	212581-001	212628-001	212581-002	212660-002	212660-003
<b>Dilution</b>	1	1	1	1	1
<b>Date Sampled</b>	4/4/2006	4/10/2006	4/4/2006	4/12/2006	4/13/2006
<b>Units</b>	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
<b>Compound</b>					
Reactivity Sulfide	12 U	12 U	12 U	12 U	12 U
Total Extractable Organic Halogens	33.5 U	37.7 U	35.2 U	37.7 U	38.3 U

<b>Client ID</b>	<b>B-46(0-6)</b>	<b>B-47(10-18)</b>	<b>B-52(0-6)</b>	<b>B-53(0-6)</b>	<b>B-54(0-6)</b>
<b>Lab Sample ID</b>	212581-001	212628-001	212581-002	212660-002	212660-003
<b>Dilution</b>	1	1	1	1	1
<b>Date Sampled</b>	4/4/2006	4/10/2006	4/4/2006	4/12/2006	4/13/2006
<b>Units</b>	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg
<b>Compound</b>					
Reactivity Cyanide	ND U	ND U	ND U	ND U	ND U

**TABLE 6**  
**SULFIDE, TOX, AND CYANIDE IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes:**

1 - Waste classification criteria provided by Clean Earth of Philadelphia, PA.

µg/Kg - micrograms per kilograms = parts per billion (ppb)

mg/Kg - milligrams per kilogram = parts per million (ppm)

U - Analyte was not detected at or above the reporting limit.

B - Compound was found in the blank and sample.

ND - Not detected

**TABLE 7**  
**pH, CORROSIVITY, AND IGNITABILITY IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth Philadelphia Acceptance Criteria<sup>1</sup></b>	<b>B-21(0-6)</b>	<b>B-20(0-6)</b>	<b>B-22(0-6)</b>	<b>B-23(0-6)</b>	<b>B-24(0-6)</b>	<b>B-25(0-6)</b>	<b>B-26(0-6)</b>
<b>Lab Sample ID</b>		212630-001	212630-002	212628-002	212660-004	212660-005	212660-001	212491-001
<b>Dilution</b>		1	1	1	1	1	1	1
<b>Date Sampled</b>		4/10/2006	4/10/2006	4/10/2006	4/13/2006	4/13/2006	4/12/2006	3/28/2006
<b>Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>
<b>Compound</b>								
pH	12.5 > pH >2	8.35	10.33	9.77	8.23	8.84	7.92	8.24
Corrosivity (pH Solid)	NO	NO	NO	NO	NO	NO	NO	NO

<b>Client ID</b>	<b>Clean Earth Philadelphia Acceptance Criteria</b>	<b>B-21(0-6)</b>	<b>B-20(0-6)</b>	<b>B-22(0-6)</b>	<b>B-23(0-6)</b>	<b>B-24(0-6)</b>	<b>B-25(0-6)</b>	<b>B-26(0-6)</b>
<b>Lab Sample ID</b>		212630-001	212630-002	212628-002	212660-004	212660-005	212660-001	212491-001
<b>Dilution</b>		1	1	1	1	1	1	1
<b>Date Sampled</b>		4/10/2006	4/10/2006	4/10/2006	4/13/2006	4/13/2006	4/12/2006	3/28/2006
<b>Units</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>
<b>Compound</b>								
Ignitability	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative

**TABLE 7**  
**pH, CORROSIVITY, AND IGNITABILITY IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth Philadelphia Acceptance Criteria<sup>1</sup></b>	<b>B-29(0-6)</b>	<b>B-43(0-6)</b>	<b>B-43(6-14)</b>	<b>B-44(0-6)</b>	<b>B-44(6-14)</b>	<b>B-46(0-6)</b>	<b>B-47(10-18)</b>
<b>Lab Sample ID</b>	<b>Acceptance Criteria<sup>1</sup></b>	<b>212491-002</b>	<b>212519-001</b>	<b>212519-002</b>	<b>212555-001</b>	<b>212555-002</b>	<b>212581-001</b>	<b>212628-001</b>
<b>Dilution</b>	<b>Criteria<sup>1</sup></b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria<sup>1</sup></b>	<b>3/28/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/4/2006</b>	<b>4/10/2006</b>
<b>Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>
<b>Compound</b>								
pH	12.5 > pH >2	8.59	9.71	10.4	8.71	10.69	11.81	8.29
Corrosivity (pH Solid)	NO	NO	NO	NO	NO	NO	NO	NO

<b>Client ID</b>	<b>Clean Earth Philadelphia Acceptance Criteria</b>	<b>B-29(0-6)</b>	<b>B-43(0-6)</b>	<b>B-43(6-14)</b>	<b>B-44(0-6)</b>	<b>B-44(6-14)</b>	<b>B-46(0-6)</b>	<b>B-47(10-18)</b>
<b>Lab Sample ID</b>	<b>Acceptance Criteria</b>	<b>212491-002</b>	<b>212519-001</b>	<b>212519-002</b>	<b>212555-001</b>	<b>212555-002</b>	<b>212581-001</b>	<b>212628-001</b>
<b>Dilution</b>	<b>Criteria</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>	<b>Criteria</b>	<b>3/28/2006</b>	<b>3/30/2006</b>	<b>3/30/2006</b>	<b>4/3/2006</b>	<b>4/3/2006</b>	<b>4/4/2006</b>	<b>4/10/2006</b>
<b>Units</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>
<b>Compound</b>								
Ignitability	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative

**TABLE 7**  
**pH, CORROSIVITY, AND IGNITABILITY IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Clean Earth Philadelphia Acceptance Criteria<sup>1</sup></b>	<b>B-52(0-6)</b>	<b>B-53(0-6)</b>	<b>B-54(0-6)</b>
<b>Lab Sample ID</b>		<b>212581-002</b>	<b>212660-002</b>	<b>212660-003</b>
<b>Dilution</b>		<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>		<b>4/4/2006</b>	<b>4/12/2006</b>	<b>4/13/2006</b>
<b>Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>	<b>pH Units</b>
<b>Compound</b>				
pH	12.5 > pH >2	10.86	9.84	8.19
Corrosivity (pH Solid)	NO	NO	NO	NO
<b>Client ID</b>	<b>Clean Earth Philadelphia Acceptance Criteria</b>	<b>B-52(0-6)</b>	<b>B-53(0-6)</b>	<b>B-54(0-6)</b>
<b>Lab Sample ID</b>		<b>212581-002</b>	<b>212660-002</b>	<b>212660-003</b>
<b>Dilution</b>		<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>		<b>4/4/2006</b>	<b>4/12/2006</b>	<b>4/13/2006</b>
<b>Units</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>	<b>Pos/Neg</b>
<b>Compound</b>				
Ignitability	Negative	Negative	Negative	Negative

**TABLE 7**  
**pH, CORROSIVITY, AND IGNITABILITY IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**  
**NOTES**

**Notes**

1 - Waste classification criteria provided by Clean Earth, of Philadelphia, PA.

µg/Kg - micrograms per kilogram = parts per billion (ppb)

mg/Kg - milligrams per kilogram = parts per million (ppm)

U - Analyte was not detected at or above the reporting limit.

B - Compound was found in the blank and sample.

**TABLE 8  
 PERCENT MOISTURE IN SOIL  
 FOR WASTE CLASSIFICATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial Source Soil Requirements (%)</b>	<b>B-22(0-6)A 212628-009</b>	<b>B-22(0-6)B 212628-010</b>	<b>B-22(0-6)C 212628-011</b>	<b>B-22(0-6)D 212628-012</b>	<b>B-22(0-6)E 212628-013</b>	<b>B-22(0-6)F 212628-014</b>	<b>B-26(0-6) 212491-001</b>
<b>Lab Sample ID</b>		1	1	1	1	1	1	1
<b>Dilution</b>								
<b>Date Sampled</b>		4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/10/2006	4/10/2006	3/28/2006
<b>Units</b>		%	%	%	%	%	%	%
<b>Compound</b>								
% Solids	NS	86.4	88.7	85.3	84.1	83.5	84.8	83.4
% Moisture	15	13.6	11.3	14.7	<b>15.9</b>	<b>16.5</b>	<b>15.2</b>	<b>16.6</b>

**TABLE 8**  
**PERCENT MOISTURE IN SOIL**  
**FOR WASTE CLASSIFICATION**  
**WEST 61<sup>ST</sup> STREET SITE**  
**NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial Source Soil Requirements (%)</b>	<b>B-29(0-6) 212491-002</b>	<b>B-29(0-6)A 212491-003</b>	<b>B-29(0-6)B 212491-004</b>	<b>B-29(0-6)C 212491-005</b>	<b>B-29(0-6)D 212491-006</b>	<b>B-29(0-6)E 212491-007</b>
<b>Lab Sample ID</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Dilution</b>							
<b>Date Sampled</b>		<b>3/28/2006</b>	<b>3/28/2006</b>	<b>3/28/2006</b>	<b>3/28/2006</b>	<b>3/28/2006</b>	<b>3/28/2006</b>
<b>Units</b>		<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>							
<b>% Solids</b>	<b>NS</b>	<b>89.2</b>	<b>86.1</b>	<b>102</b>	<b>86.2</b>	<b>87.2</b>	<b>87.3</b>
<b>% Moisture</b>	<b>15</b>	<b>10.8</b>	<b>13.9</b>	<b>0.1</b>	<b>13.8</b>	<b>12.8</b>	<b>12.7</b>



**TABLE 8  
PERCENT MOISTURE IN SOIL  
FOR WASTE CLASSIFICATION  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID	Commercial Source Soil Requirements (%)	B-26(0-6)A 212491-008	B-26(0-6)B 212491-009	B-26(0-6)C 212491-010	B-26(0-6)D 212491-011	B-44(0-6) 212555-001	B-44(6-14) 212555-002	B-44(0-6)A 212555-003	B-44(0-6)B 212555-004
Lab Sample ID									
Dilution		1	1	1	1	1	1	1	1
Date Sampled		3/28/2006	3/28/2006	3/28/2006	3/28/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006
Units		%	%	%	%	%	%	%	%
Compound									
% Solids	NS	85.1	84.5	86.7	90.4	87	88.4	86.7	87.7
% Moisture	15	14.9	<b>15.5</b>	13.3	9.6	13	11.6	13.3	12.3

**TABLE 8  
PERCENT MOISTURE IN SOIL  
FOR WASTE CLASSIFICATION  
WEST 61<sup>ST</sup> STREET SITE  
NEW YORK, NEW YORK**

Client ID	Commercial Source Soil Requirements (%)	B-44(0-6)C 212555-005	B-44(0-6)D 212555-006	B-44(0-6)E 212555-007	B-44(0-14)A* 212555-008	B-44(0-14)B* 212555-009	B-44(0-14)C* 212555-010	B-44(0-14)D* 212555-011	B-44(0-14)E* 212555-012
Lab Sample ID		1	1	1	1	1	1	1	1
Dilution									
Date Sampled		4/3/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006	4/3/2006
Units		%	%	%	%	%	%	%	%
Compound									
% Solids	NS	86.1	87.6	89.5	85.6	87.4	84.4	89	88.9
% Moisture	15	13.9	12.4	10.5	14.4	12.6	<b>15.6</b>	11	11.1

**TABLE 8  
 PERCENT MOISTURE IN SOIL  
 FOR WASTE CLASSIFICATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial Source Soil Requirements (%)</b>	<b>B-43(0-6) 212519-001</b>	<b>B-43(6-14) 212519-002</b>	<b>B-43(0-6)A 212519-003</b>	<b>B-43(0-6)B 212519-004</b>	<b>B-43(0-6)C 212519-005</b>	<b>B-43(0-6)D 212519-006</b>	<b>B-43(0-6)E 212519-007</b>	<b>B-43(6-14)A 212519-008</b>
<b>Lab Sample ID</b>		1	1	1	1	1	1	1	1
<b>Dilution</b>									
<b>Date Sampled</b>		3/30/2006	3/30/2006	3/30/2006	3/30/2006	3/30/2006	3/30/2006	3/30/2006	3/30/2006
<b>Units</b>		%	%	%	%	%	%	%	%
<b>Compound</b>									
% Solids	NS	87.4	89.5	88.8	88.6	88.6	87.2	88.7	86.8
% Moisture	15	12.6	10.5	11.2	11.4	11.4	12.8	11.3	13.2

**TABLE 8  
 PERCENT MOISTURE IN SOIL  
 FOR WASTE CLASSIFICATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial Source Soil Requirements (%)</b>	<b>B-43(6-14)B 212519-009</b>	<b>B-43(6-14)C 212519-010</b>	<b>B-43(6-14)D 212519-011</b>	<b>B-43(6-14)E 212519-012</b>	<b>B-46(0-6) 212581-001</b>	<b>B-52(0-6) 212581-002</b>	<b>B-46(0-6)A 212581-003</b>	<b>B-46(0-6)B 212581-004</b>
<b>Lab Sample ID</b>		1	1	1	1	1	1	1	1
<b>Dilution</b>									
<b>Date Sampled</b>		3/30/2006	3/30/2006	3/30/2006	3/30/2006	4/4/2006	4/4/2006	4/4/2006	4/4/2006
<b>Units</b>		%	%	%	%	%	%	%	%
<b>Compound</b>									
% Solids	NS	83.8	86.2	87.2	87	90.9	88.2	90.6	88.1
% Moisture	15	<b>16.2</b>	13.8	12.8	13	9.1	11.8	9.4	11.9

**TABLE 8  
 PERCENT MOISTURE IN SOIL  
 FOR WASTE CLASSIFICATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial Source Soil Requirements (%)</b>	<b>B-46(0-6)C 212581-005</b>	<b>B-46(0-6)D 212581-006</b>	<b>B-47(10-18) 212628-001</b>	<b>B-22(0-6) 212628-002</b>	<b>B-47(10-18)A 212628-003</b>	<b>B-47(10-18)B 212628-004</b>	<b>B-47(10-18)C 212628-005</b>	<b>B-47(10-18)D 212628-006</b>
<b>Lab Sample ID</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Dilution</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Date Sampled</b>		<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/10/2006</b>	<b>4/10/2006</b>	<b>4/10/2006</b>	<b>4/10/2006</b>	<b>4/10/2006</b>	<b>4/10/2006</b>
<b>Units</b>		<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>									
% Solids	NS	91.6	94.3	79.9	92.4	83	84.5	82.3	89.2
% Moisture	15	8.4	5.7	<b>20.1</b>	7.6	17	<b>15.5</b>	<b>17.7</b>	10.8

**TABLE 8  
 PERCENT MOISTURE IN SOIL  
 FOR WASTE CLASSIFICATION  
 WEST 61<sup>ST</sup> STREET SITE  
 NEW YORK, NEW YORK**

<b>Client ID</b>	<b>Commercial Source Soil Requirements (%)</b>	<b>B-47(10-18)E 212628-007</b>	<b>B-47(10-18)F 212628-008</b>	<b>B-52(0-6)A 212581-007</b>	<b>B-52(0-6)B 212581-008</b>	<b>B-52(0-6)C 212581-009</b>	<b>B-52(0-6)D 212581-010</b>
<b>Lab Sample ID</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Dilution</b>							
<b>Date Sampled</b>		<b>4/10/2006</b>	<b>4/10/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>	<b>4/4/2006</b>
<b>Units</b>		<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
<b>Compound</b>							
% Solids	NS	83.7	84.8	88	88.4	87.3	80.6
% Moisture	15	<b>16.3</b>	<b>15.2</b>	12	11.6	12.7	<b>19.4</b>