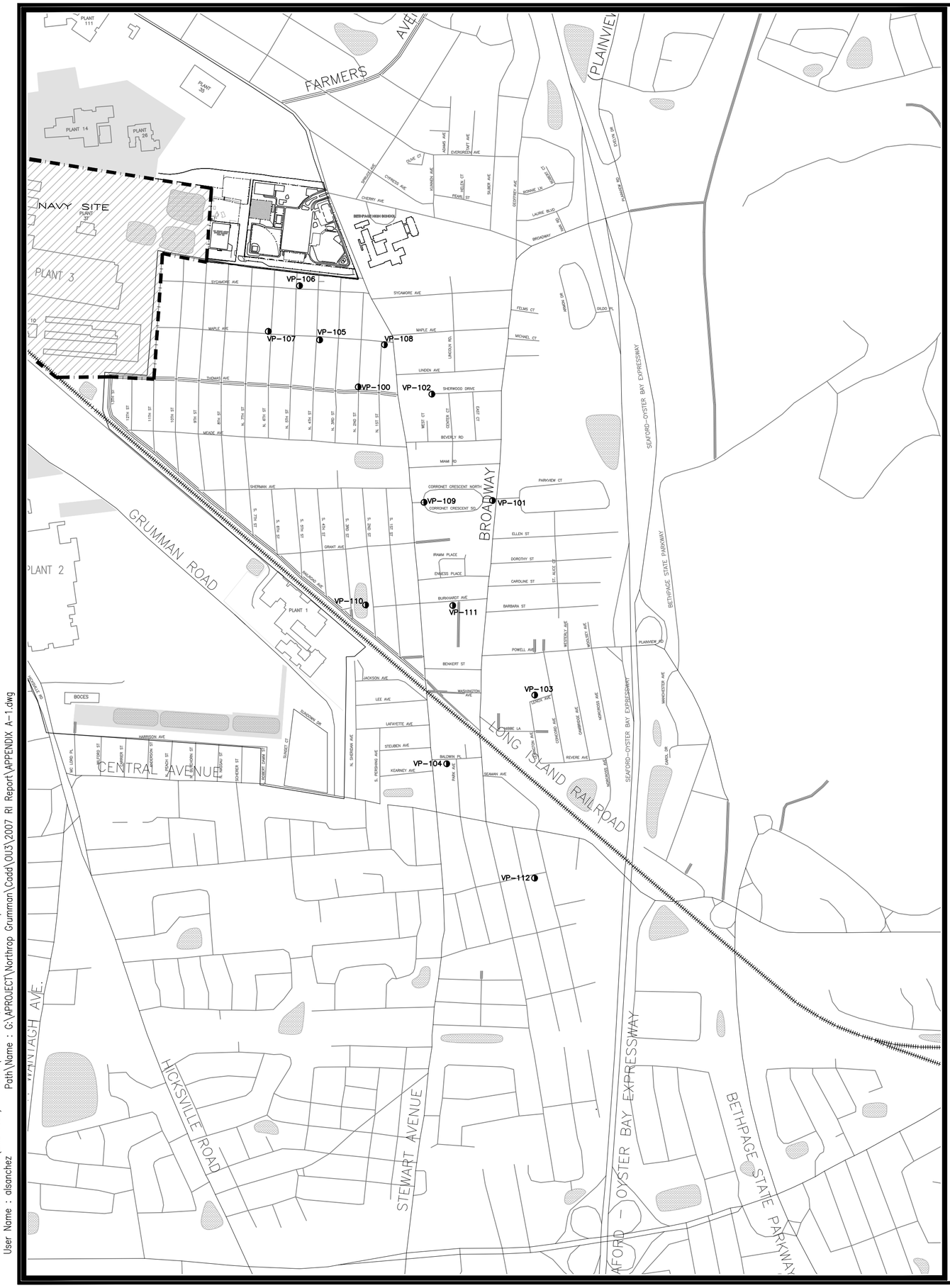

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EXPLANATION

- NORTHROP GRUMMAN PROPERTY LINE
- PROPERTY BOUNDARY OF U.S. NAVY SITE
- LONG ISLAND RAILROAD
- DENOTES NORTHROP GRUMMAN OWNED PROPERTY (AS OF 2003)
- DENOTES U.S. NAVY OWNED PROPERTY (AS OF 2003)
- RECHARGE BASIN
- LIMITS OF BETHPAGE HIGH SCHOOL MAIN BUILDING
- VP-100 COMPLETED OU3 VERTICAL PROFILE BORING
- VPB VERTICAL PROFILE BORING
- RI REMEDIAL INVESTIGATION
- OU3 OPERABLE UNIT 3

GENERAL NOTES:

1. BASIN LOCATIONS OBTAINED FROM USGS TOPOGRAPHIC MAPS (HUNTINGTON, HICKSVILLE, FREEPORT AND AMITYVILLE QUADRANGLES) AND INFORMATION PROVIDED BY NORTHROP GRUMMAN.
2. NORTHROP GRUMMAN PROPERTY HOLDINGS BASED ON DATA PROVIDED IN 2007.
3. PARK FEATURES SHOWN WERE PRESENT PRIOR TO TOWN OF OYSTER BAY REDEVELOPMENT 2005.

0 800' 1600'
SCALE IN FEET

ALL COORDINATES REFERENCED TO NORTH AMERICAN DATUM 1983 (NAD 83)

NO.	ISSUED DATE	REVISION DESCRIPTION	BY/CKD
0	01/2008	REMEDIAL INVESTIGATION REPORT	MR

KEYPLAN

PROJECT TITLE

NORTHROP GRUMMAN SYSTEMS CORPORATION OPERABLE UNIT 3 (FORMER GRUMMAN SETTLING PONDS) BETHPAGE, NEW YORK

SHEET TITLE

COMPLETED OFF-SITE VERTICAL PROFILE BORINGS

ARCADIS OF NEW YORK, INC.
Two Huntington Quadrangle
Suite 1S10
Melville, NY 11747
Tel: 631-249-7600 Fax: 631-249-7610
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PROJECT NUMBER: NY001464.0807	DRAWING NUMBER: A-1

Acad Version : R17.0s (LMS Tech) Date\Time : Wed, 30 Jan 2008 - 1:01pm
User Name : dlsanchez Path\Name : G:\APROJECT\Northrop Grumman\Cadd\OU3\2007 RI Report\APPENDIX A-1.dwg

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-100	VP-100	VP-100	VP-100	VP-100
	Sample ID:	VP-100(46-51)	VP-100(55-60)	VP-100(75-80)	VP-100(105-110)	REP091406(105-110
CONSTITUENT	Sample Date:	9/15/2006	9/15/2006	9/14/2006	9/14/2006	9/14/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<10	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<10	<5	<5	<5
1,1,2-Trichloroethane		<5	<10	<5	<5	<5
1,1-Dichloroethane		<5	<10	<5	<5	<5
1,1-Dichloroethene		<5	<10	<5	<5	<5
1,2-Dichloroethane		<5	<10	<5	<5	<5
1,2-Dichloropropane		<5	<10	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	**0.27 J**	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<10	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<10	<5	<5	<5
Bromoform		<5	<10	<5	<5	<5
Bromomethane		<5	<10	<5	<5	<5
Carbon disulfide		<5	<10	<5	<5	<5
Carbon tetrachloride		<5	<10	<5	<5	<5
Chlorobenzene		<5	<10	<5	<5	<5
Chlorodifluoromethane		**0.95 J**	**1.2 J**	**14**	**3 J**	**3 J**
Chloroethane		<5	<10	<5	<5	<5
Chloroform		**0.77 J**	**0.63 J**	**9**	**2 J**	**2 J**
Chloromethane		<5	<10	<5	<5	<5
cis-1,2-Dichloroethylene		**15**	**13**	**100**	**140**	**150**
cis-1,3-Dichloropropene		<5	<10	<5	<5	<5
Dibromochloromethane		<5	<10	<5	<5	<5
Dichlorodifluoromethane		<5	<10	<5	<5	<5
Ethylbenzene		<5	<10	<5	<5	<5
Freon 113		<5	<10	<5	<5	<5
Methylene chloride		<5	<10	<5B	<5B	<5B
Styrene		<5	<10	<5	<5	<5
Tetrachloroethene		<5	<10	<5	<5	<5
Toluene		<5	**0.48 J**	**2 J**	**1 J**	**0.8 J**
trans-1,2-Dichloroethylene		<5	<10	<5	<5	<5
trans-1,3-Dichloropropene		<5	<10	<5	<5	<5
Trichloroethene		**2.5 J**	**2.4 J**	**17**	**22**	**23**
Vinyl Acetate		<5	<10	<5	<5	<5
Vinyl Choride		**0.19 J**	**0.12 J**	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<10	<5	<5	<5
TVOCs		**19.41**	**18.1**	**142**	**168**	**178.8**

	Site ID:	VP-100	VP-100	VP-100	VP-100	VP-100
	Sample ID:	VP-100(125-130)	VP-100(145-150)	VP-100(160-165)	VP-100(180-185)	VP-100(190-195)
CONSTITUENT	Sample Date:	9/13/2006	9/13/2006	9/12/2006	9/12/2006	9/12/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	**3 J**	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		**0.7 J**	**0.7 J**	**2 J**	<5	**2 J**
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**930 D**	**1500 D**	**360 D**	**66**	**16**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	**0.6 J**
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		**0.9 J**	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**97**	**190**	**78**	**32**	**20**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	**2 J**	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**1028.6**	**1690.7**	**445**	**98**	**38.6**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-100	VP-100	VP-100	VP-100	VP-100
	Sample ID:	VP-100(200-205)	VP-100(210-215)	VP-100(220-225)	VP-100(230-235)	REP090806(230)
CONSTITUENT	Sample Date:	9/11/2006	9/11/2006	9/11/2006	9/8/2006	9/8/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	**2 J**	**2 J**	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		**0.6 J**	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**11**	**22**	**17**	**3 J**	**3 J**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	**2 J**	**0.9 J**
Toluene		**0.8 J**	<5	<5	**1 J**	**1 J**
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**11**	**15**	**14**	**20**	**20**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**23.4**	**39**	**33**	**26**	**24.9**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-100	VP-100	VP-100	VP-100	VP-100
	Sample ID:	VP-100(240-245)	VP-100(250-255)	VP-100(270-275)	VP-100(290-295)	VP-100(310-315)
CONSTITUENT	Sample Date:	9/8/2006	9/7/2006	9/7/2006	9/6/2006	9/6/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<10	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<10	<5
1,1,2-Trichloroethane		<5	<5	<5	<10	<5
1,1-Dichloroethane		<5	<5	<5	<10	<5
1,1-Dichloroethene		<5	<5	<5	<10	<5
1,2-Dichloroethane		<5	<5	<5	<10	<5
1,2-Dichloropropane		<5	<5	<5	<10	<5
2-Butanone		<10	<10	<10	<20	<10
2-Hexanone		<10	<10	<10	<20	<10
4-Methyl-2-pentanone		<10	<10	<10	<20	<10
Acetone		<10	<10	<10	<20	<10
Benzene		<0.7	<0.7	<0.7	<1	<0.7
Bromodichloromethane		<5	<5	<5	<10	<5
Bromoform		<5	<5	<5	<10	<5
Bromomethane		<5	<5	<5	<10	<5
Carbon disulfide		<5	<5	<5	<10	<5
Carbon tetrachloride		<5	<5	<5	<10	<5
Chlorobenzene		<5	<5	<5	<10	<5
Chlorodifluoromethane		<5	<5	<5	<10	<5
Chloroethane		<5	<5	<5	<10	<5
Chloroform		<5	<5	<5	<10	<5
Chloromethane		<5	<5	<5	<10	<5
cis-1,2-Dichloroethylene		**2 J**	**3 J**	**8**	**7 J**	<5
cis-1,3-Dichloropropene		<5	<5	<5	<10	<5
Dibromochloromethane		<5	<5	<5	<10	<5
Dichlorodifluoromethane		<5	<5	<5	<10	<5
Ethylbenzene		<5	<5	<5	<10	<5
Freon 113		<5	<5	<5	<10	<5
Methylene chloride		<5	<5	<5	<10	<5
Styrene		<5	<5	<5	<10	<5
Tetrachloroethene		**3 J**	**2 J**	**3 J**	<10	**3 J**
Toluene		<5	**8**	**3 J**	**1 J**	**1 J**
trans-1,2-Dichloroethylene		<5	<5	<5	<10	<5
trans-1,3-Dichloropropene		<5	<5	<5	<10	<5
Trichloroethene		**47**	**86**	**240 D**	**190**	**18**
Vinyl Acetate		<5	<5	<5	<10	<5
Vinyl Choride		<2	<2	<2	<4	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<10	<5
TVOCs		**52**	**99**	**254**	**198**	**22**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-100	VP-100	VP-100	VP-100	VP-100
	Sample ID:	VP-100(330-335)	REP090506(330)	VP-100(350-355)	VP-100(371-376)	VP-100(394-399)
CONSTITUENT	Sample Date:	9/5/2006	9/5/2006	9/5/2006	9/1/2006	9/1/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		**0.9 J**	**0.8 J**	<5	<5	**0.7 J**
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		**6**	**7**	<5	**0.5 J**	**0.8 J**
Toluene		**1 J**	**1 J**	<5	**0.7 J**	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**11**	**12**	**2 J**	**0.6 J**	**1 J**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**18.9**	**20.8**	**2**	**1.8**	**2.5**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-101	VP-101	VP-101	VP-101	VP-101
	Sample ID:	VP-101 (60')	VP-101 (80')	VP-101 (100')	VP-101 (120')	VP-101 (140')
CONSTITUENT	Sample Date:	6/27/2006	6/27/2006	6/28/2006	6/28/2006	6/28/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<36	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<10	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**0**	**0**	**0**	**0**	**0**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-101	VP-101	VP-101	VP-101	VP-101
	Sample ID:	VP-101 (167')	VP-101 (180')	VP-101 (200)	VP-101 (227)	REP063006
CONSTITUENT	Sample Date:	6/29/2006	6/29/2006	6/30/2006	6/30/2006	6/30/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	--	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	**4 J**	**5 J**	**5 J**
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	**1 JB**	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	**0.6 J**	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	**0.8 J**	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**0**	**0.6**	**4**	**6.8**	**5**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-101	VP-101	VP-101	VP-101	VP-101
	Sample ID:	VP-101 (240)	VP-101 (260)	VP-101 (287)	VP-101 (300)	VP-101(320)
CONSTITUENT	Sample Date:	7/5/2006	7/5/2006	7/6/2006	7/6/2006	7/6/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		--	<5	--	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<10
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<10
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**0**	**0**	**0**	**0**	**0**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-101	VP-101	VP-101	VP-101	VP-101
	Sample ID:	VP-101(340)	VP-101(360)	VP-101 (387)	VP-101 (400)	VP-101 (420)
CONSTITUENT	Sample Date:	7/6/2006	7/7/2006	7/10/2006	7/10/2006	7/11/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		**6 J**	<10	**4 J**	**6 J**	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<10	<10	<10	<10	<10
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<10	<10	<10	<10	<10
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**6**	**0**	**4**	**6**	**0**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-101	VP-101	VP-101	VP-101	VP-102
	Sample ID:	VP-101 (440)	VP-101 (460)	VP-101 (480)	VP-101(507)	VP-102(45-50)
CONSTITUENT	Sample Date:	7/11/2006	7/11/2006	7/12/2006	7/13/2006	10/13/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<18
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<10	<10	<10	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<10	<10	<10	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	**1.6 J**
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	<5	**14**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**0**	**0**	**0**	**0**	**15.6**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-102	VP-102	VP-102	VP-102	VP-102
	Sample ID:	VP-102(65-70)	REP101306 (2)65	VP-102(85-90)	VP-102(105-110)	VP-102(125-130)
CONSTITUENT	Sample Date:	10/13/2006	10/13/2006	10/13/2006	10/12/2006	10/12/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		**0.32 J**	**0.37 J**	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	**0.42 J**	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		**4.2 J**	**4 J**	**4.4 J**	**7.2**	**1.6 J**
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**33**	**34**	**13**	**34**	**16**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**37.52**	**38.79**	**17.4**	**41.2**	**17.6**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-102	VP-102	VP-102	VP-102	VP-102
	Sample ID:	VP-102 (135-140	VP-102 (150-155	VP-102 (160-165	VP-102 (170-175	VP-102 (180-185
CONSTITUENT	Sample Date:	10/11/2006	10/11/2006	10/11/2006	10/10/2006	10/10/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	**2 J**
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	**6.2**
1,1-Dichloroethene		<5	**0.61 J**	**0.77 J**	**1.1 J**	**1.9 J**
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**0.98 J**	**1.2 J**	**2.5 J**	**4.1 J**	**2.2 J**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	**1 J**	**2.1 J**	**4.1 J**	**1.8 J**
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	**0.74 J**	<5
Toluene		**4.3 J**	**5.1**	**3.5 J**	**0.64 J**	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**83**	**86**	**140**	**150**	**78**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**88.28**	**93.91**	**148.87**	**160.68**	**92.1**

	Site ID:	VP-102	VP-102	VP-102	VP-102	VP-102
	Sample ID:	VP-102 (190-195	VP-102 (200-205	VP-102 (220-225	VP-102 (240-245	VP-102 (250-255)
CONSTITUENT	Sample Date:	10/6/2006	10/6/2006	10/5/2006	10/5/2006	10/4/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<10
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<10
1,1,2-Trichloroethane		<5	<5	<5	<5	<10
1,1-Dichloroethane		**12**	**3.6 J**	<5	**7.8**	**6.6 J**
1,1-Dichloroethene		**3.3 J**	<5	<5	**1.5 J**	**2.2 J**
1,2-Dichloroethane		<5	<5	<5	<5	<10
1,2-Dichloropropane		<5	<5	<5	<5	<10
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<10
Bromodichloromethane		<5	<5	<5	<5	<10
Bromoform		<5	<5	<5	<5	<10
Bromomethane		<5	<5	<5	<5	<10
Carbon disulfide		<5	<5	<5	<5	<10
Carbon tetrachloride		<5	<5	<5	<5	<10
Chlorobenzene		<5	<5	<5	<5	<10
Chlorodifluoromethane		<5	<5	<5	<5	<10
Chloroethane		<5	<5	<5	<5	<10
Chloroform		**0.85 J**	<5	<5	<5	<10
Chloromethane		<5	<5	<5	<5	<10
cis-1,2-Dichloroethylene		**3 J**	**1.7 J**	**6.2**	**4.7 J**	**34 J**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<10
Dibromochloromethane		<5	<5	<5	<5	<10
Dichlorodifluoromethane		<5	<5	<5	<5	<10
Ethylbenzene		<5	<5	<5	<5	<10
Freon 113		<5	<5	<5	<5	<10
Methylene chloride		<5	<5	<5	<5	<10
Styrene		<5	<5	<5	<5	<10
Tetrachloroethene		<5	<5	<5	<5	<10
Toluene		**0.9 J**	**1.1 J**	<5	<5	<10
trans-1,2-Dichloroethylene		**2.6 J**	<5	<5	<5	<10
trans-1,3-Dichloropropene		<5	<5	<5	<5	<10
Trichloroethene		**110**	**62**	**190**	**180**	**340 D**
Vinyl Acetate		<5	<5	<5	<5	<10
Vinyl Choride		<2	<2	<2	<2	**1.2 J**
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<10
TVOCs		**132.65**	**68.4**	**196.2**	**194**	**384**

	Site ID:	VP-102	VP-102	VP-102	VP-102	VP-102
	Sample ID:	REP100406(250)	VP-102 (260-265	VP-102 (290-295	VP-102(300-305)	VP-102(310-315)
CONSTITUENT	Sample Date:	10/4/2006	10/4/2006	10/2/2006	9/29/2006	9/29/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<10	<10	<5	<5	<5
1,1,2,2-Tetrachloroethane		<10	<10	<5	<5	<5
1,1,2-Trichloroethane		<10	<10	<5	<5	<5
1,1-Dichloroethane		**5.8 J**	**8.7 J**	**9.3**	**17**	**12**
1,1-Dichloroethene		**1.8 J**	**3.3 J**	**3.7 J**	**4.9 J**	**1.4 J**
1,2-Dichloroethane		<10	<10	<5	<5	<5
1,2-Dichloropropane		<10	<10	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<10	<10	<0.7	<0.7	<0.7
Bromodichloromethane		<10	<10	<5	<5	<5
Bromoform		<10	<10	<5	<5	<5
Bromomethane		<10	<10	<5	<5	<5
Carbon disulfide		<10	<10	<5	<5	<5
Carbon tetrachloride		<10	<10	<5	<5	<5
Chlorobenzene		<10	<10	<5	<5	<5
Chlorodifluoromethane		<10	<10	<5	**0.38 J**	<5
Chloroethane		<10	<10	<5	<5	<5
Chloroform		<10	<10	**0.75 J**	**0.56 J**	<5
Chloromethane		<10	<10	<5	<5	<5
cis-1,2-Dichloroethylene		**31**	**47**	**71**	**79**	**18**
cis-1,3-Dichloropropene		<10	<10	<5	<5	<5
Dibromochloromethane		<10	<10	<5	<5	<5
Dichlorodifluoromethane		<10	<10	<5	<5	<5
Ethylbenzene		<10	<10	<5	<5	<5
Freon 113		<10	<10	<5	<5	<5
Methylene chloride		<10	<10	<5.7	<9.9	<9.3
Styrene		<10	<10	<5	<5	<5
Tetrachloroethene		<10	<10	**0.55 J**	<5	<5
Toluene		**2.8 J**	**8 J**	**5.9**	<5	**0.33 J**
trans-1,2-Dichloroethylene		<10	<10	**0.61 J**	<5	<5
trans-1,3-Dichloropropene		<10	<10	<5	<5	<5
Trichloroethene		**330 D**	**440 D**	**1100 D**	**460 D**	**100**
Vinyl Acetate		<10	<10	<5	<5	<5
Vinyl Choride		**1.4 J**	**2.2 J**	**1.7 J**	**3.2**	**1.9 J**
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<10	<10	<5	<5	<5
TVOCs		**372.8**	**509.2**	**1193.51**	**565.04**	**133.63**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-102	VP-102	VP-102	VP-102	VP-102
	Sample ID:	VP-102(330-325)	REP092806(330)	VP-102(345-350)	VP-102(365-370)	VP-102 (370-375
CONSTITUENT	Sample Date:	9/28/2006	9/28/2006	9/28/2006	9/27/2006	10/3/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<10
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<10
1,1,2-Trichloroethane		<5	<5	<5	<5	<10
1,1-Dichloroethane		**2.4 J**	**2.7 J**	**2.7 J**	<5	**11**
1,1-Dichloroethene		**1.9 J**	**2 J**	**1.2 J**	<5	**5.6 J**
1,2-Dichloroethane		<5	<5	<5	<5	<10
1,2-Dichloropropane		<5	<5	<5	<5	<10
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<10
Bromodichloromethane		<5	<5	<5	<5	<10
Bromoform		<5	<5	<5	<5	<10
Bromomethane		<5	<5	<5	<5	<10
Carbon disulfide		<5	<5	<5	<5	<10
Carbon tetrachloride		<5	<5	<5	<5	<10
Chlorobenzene		<5	<5	<5	<5	<10
Chlorodifluoromethane		<5	<5	**0.82 J**	<5	<10
Chloroethane		<5	<5	<5	<5	<10
Chloroform		<5	<5	<5	<5	<10
Chloromethane		<5	<5	<5	<5	<10
cis-1,2-Dichloroethylene		**21**	**22**	**15**	<5	**78**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<10
Dibromochloromethane		<5	<5	<5	<5	<10
Dichlorodifluoromethane		<5	<5	<5	<5	<10
Ethylbenzene		<5	<5	<5	<5	<10
Freon 113		<5	<5	<5	<5	<10
Methylene chloride		<5	<5	<5	<5	<10
Styrene		<5	<5	<5	<5	<10
Tetrachloroethene		<5	<5	<5	<5	<10
Toluene		**0.61 J**	**0.72 J**	<5	<5	**5.4 J**
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<10
trans-1,3-Dichloropropene		<5	<5	<5	<5	<10
Trichloroethene		**310 D**	**300 D**	**200**	**1.7 J**	**1000 D**
Vinyl Acetate		<5	<5	<5	<5	<10
Vinyl Choride		<2	<2	**0.13 J**	<2	**3.3 J**
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<10
TVOCs		**335.91**	**327.42**	**219.85**	**1.7**	**1103.3**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-102	VP-103	VP-103	VP-103	VP-103
	Sample ID:	VP-102 (380-385	VP-103 (60')	VP-103 (80')	VP-103 (100')	VP-103 (120')
CONSTITUENT	Sample Date:	10/3/2006	10/10/2006	10/10/2006	10/10/2006	10/10/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<10	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<10	<5	<5	<5	<5
1,1,2-Trichloroethane		<10	<5	<5	<5	<5
1,1-Dichloroethane		<10	<5	<5	<5	<5
1,1-Dichloroethene		**1.5 J**	<5	<5	<5	<5
1,2-Dichloroethane		<10	<5	<5	<5	<5
1,2-Dichloropropane		<10	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<10	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<10	<5	<5	<5	<5
Bromoform		<10	<5	<5	<5	<5
Bromomethane		<10	<5	<5	<5	<5
Carbon disulfide		<10	<5	<5	<5	<5
Carbon tetrachloride		<10	<5	<5	<5	<5
Chlorobenzene		<10	<5	<5	<5	<5
Chlorodifluoromethane		<10	<5	<5	<5	<5
Chloroethane		<10	<5	<5	<5	<5
Chloroform		**0.44 J**	<5	<5	<5	**0.43 J**
Chloromethane		<10	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**23**	<5	<5	<5	<5
cis-1,3-Dichloropropene		<10	<5	<5	<5	<5
Dibromochloromethane		<10	<5	<5	<5	<5
Dichlorodifluoromethane		<10	<5	<5	<5	<5
Ethylbenzene		<10	<5	<5	<5	<5
Freon 113		**2.4 J**	<5	<5	<5	<5
Methylene chloride		<10	<5	<5	<5	<5
Styrene		<10	<5	<5	<5	<5
Tetrachloroethene		**1.7 J**	<5	<5	<5	<5
Toluene		**4.6 J**	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<10	<5	<5	<5	<5
trans-1,3-Dichloropropene		<10	<5	<5	<5	<5
Trichloroethene		**1100 D**	<5	<5	<5	<5
Vinyl Acetate		<10	<5	<5	<5	<5
Vinyl Choride		**0.34 J**	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<10	<5	<5	<5	<5
TVOCs		**1133.98**	**0**	**0**	**0**	**0.43**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-103	VP-103	VP-103	VP-103	VP-103
	Sample ID:	VP-103 (140)	VP-103 (165)	VP-103 (180)	VP-103(200)	VP-103(220)
CONSTITUENT	Sample Date:	10/11/2006	10/11/2006	10/11/2006	10/12/2006	10/12/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**0**	**0**	**0**	**0**	**0**

	Site ID:	VP-103	VP-103	VP-103	VP-103	VP-103
	Sample ID:	VP-103(240)	VP-103(260)	VP-103(285)	VP-103 (320)	VP-103 (345)
CONSTITUENT	Sample Date:	10/12/2006	10/12/2006	10/13/2006	10/16/2006	10/16/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	**10**	<5	**16**	**2.9 J**
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	**19**	<5	**17**	**10**
1,1-Dichloroethene		<5	**9.3**	<5	**30**	**2.8 J**
1,2-Dichloroethane		<5	<5	<5	**4.3 J**	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	**2J**	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	**1.4 J**	<5	**4 J**	**1.7 J**
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**55**	**110**	**13**	**270**	**190 J**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	**0.65 J**
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	**0.37 J**	<5	**1.1 J**	**1.2 J**
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**43**	**280 D**	**25**	**1900 D**	**450 DJ**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**98**	**430.07**	**38**	**2244.4**	**659.25**

	Site ID:	VP-103	VP-103	VP-103	VP-103	VP-103
	Sample ID:	REP101606	VP-103 (360)	VP-103 (380)	VP-103 (400)	VP-103(420)
CONSTITUENT	Sample Date:	10/16/2006	10/17/2006	10/17/2006	10/17/2006	10/18/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		**2.4 J**	**4.1 J**	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		**8.6**	<5	<5	<5	<5
1,1-Dichloroethene		**3.7 J**	**5.3**	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		**1.1 J**	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**150 J**	**14**	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		**0.19 J**	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**320 DJ**	**380 D**	**3.4 J**	**0.51 J**	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**485.99**	**403.4**	**3.4**	**0.51**	**0**

	Site ID:	VP-103	VP-103	VP-103	VP-103	VP-103
	Sample ID:	VP-103(440)	VP-103(460)	VP-103(480)	VP-103 (500)	VP-103 (525)
CONSTITUENT	Sample Date:	10/18/2006	10/18/2006	10/18/2006	10/19/2006	10/19/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**0**	**0**	**0**	**0**	**0**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-103	VP-103	VP-103	VP-103	VP-103
	Sample ID:	VP-103 (545)	VP-103 (560)	VP-103 (580)	VP-103 (600)	VP-103 (620)
CONSTITUENT	Sample Date:	10/20/2006	10/20/2006	10/23/2006	10/23/2006	10/23/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**0**	**0**	**0**	**0**	**0**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-103	VP-103	VP-103	VP-104	VP-104
	Sample ID:	VP-103(640)	REP102406(640)	VP-103(660)	VP-104 (60)	VP-104 (80)
CONSTITUENT	Sample Date:	10/24/2006	10/24/2006	10/24/2006	7/28/2006	7/28/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<16	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	<5	**1 J**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**0**	**0**	**0**	**0**	**1**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample ID:	VP-104 (100)	VP-104 (120)	VP-104 (140)	REP073106	VP-104 (160)
CONSTITUENT	Sample Date:	7/31/2006	7/31/2006	7/31/2006	7/31/2006	7/31/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**2 J**	**150**	**8**	**10**	**19**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**2**	**150**	**8**	**10**	**19**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample ID:	VP-104(180)	VP-104(200)	VP-104(220)	VP-104(240)	VP-104(260)
CONSTITUENT	Sample Date:	8/1/2006	8/1/2006	8/1/2006	8/1/2006	8/2/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	**1 J**	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**2 J**	**3 J**	**5 J**	**7**	**7**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**2**	**3**	**6**	**7**	**7**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample ID:	VP-104(280)	VP-104(300)	VP-104(320)	VP-104(340)	VP-104(360)
CONSTITUENT	Sample Date:	8/2/2006	8/2/2006	8/3/2006	8/3/2006	8/3/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	**7**	<5	<5
1,1-Dichloroethene		<5	<5	**3 J**	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	**0.8 J**	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**7**	**2 J**	**0.9 J**	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**7**	**2.8**	**10.9**	**0**	**0**

	Site ID:	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample ID:	VP-104(380)	VP-104(400)	VP-104(420)	REP080706(420)	VP-104(460)
CONSTITUENT	Sample Date:	8/7/2006	8/7/2006	8/7/2006	8/7/2006	8/8/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	**3J**	**3 J**	**3 J**	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	**10**	**11**	**11**	<5
1,1-Dichloroethene		<5	**3 J**	**4 J**	**4 J**	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<11	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	**0.7 J**	**0.7 J**	**0.6 J**	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	**2 J**	**2 J**	**2 J**	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	**3 J**	**3 J**	**3 J**	**0.3 J**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**0**	**21.7**	**23.7**	**23.6**	**0.3**

	Site ID:	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample ID:	VP-104(480)	VP-104(500)	VP-104(520)	VP-104(540)	VP-104(560)
CONSTITUENT	Sample Date:	8/8/2006	8/8/2006	8/14/2006	8/14/2006	8/14/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		**6**	**1 J**	<5	<25	<25
1,1,2,2-Tetrachloroethane		<5	<5	<5	<25	<25
1,1,2-Trichloroethane		<5	<5	**3 J**	<25	**5 J**
1,1-Dichloroethane		**15**	**2 J**	**3 J**	<25	<25
1,1-Dichloroethene		**9**	**2 J**	**2 J**	**4 J**	**7 J**
1,2-Dichloroethane		<5	<5	**16**	<25	**12 J**
1,2-Dichloropropane		<5	<5	<5	<200	<250
2-Butanone		<10	<10	<10	<50	<50
2-Hexanone		<10	<10	<10	<50	<50
4-Methyl-2-pentanone		<10	<10	<10	<50	<50
Acetone		<10	<10	**5 J**	<50	<50
Benzene		<0.7	<0.7	<0.7	<4	<4
Bromodichloromethane		<5	<5	<5	<25	<25
Bromoform		<5	<5	<5	<25	<25
Bromomethane		<5	<5	<5	<25	<25
Carbon disulfide		<5	<5	<5	<25	<25
Carbon tetrachloride		<5	<5	<5	<25	<25
Chlorobenzene		<5	<5	<5	<25	<25
Chlorodifluoromethane		<5	<5	<5	<25	<25
Chloroethane		<5	<5	<5	<25	<25
Chloroform		**2 J**	**6**	<18	<25	<25
Chloromethane		<5	<5	<5	<25	<25
cis-1,2-Dichloroethylene		**20**	**84**	**380 D**	**470**	**290**
cis-1,3-Dichloropropene		<5	<5	<5	<25	<25
Dibromochloromethane		<5	<5	<5	<25	<25
Dichlorodifluoromethane		<5	<5	<5	<25	<25
Ethylbenzene		<5	<5	<5	<25	<25
Freon 113		<5	<5	**0.5 J**	<25	<25
Methylene chloride		<5	<5	<5	<25	<25
Styrene		<5	<5	<5	<25	<25
Tetrachloroethene		**19**	**4 J**	**12**	**3 J**	**7 J**
Toluene		<5	<5	<5	<25	<25
trans-1,2-Dichloroethylene		<5	<5	**6**	**4 J**	**5 J**
trans-1,3-Dichloropropene		<5	<5	<5	<25	<25
Trichloroethene		**72**	**190 D**	**1400 D**	**3200 D**	**6300D**
Vinyl Acetate		<5	<5	<5	<25	<25
Vinyl Choride		<2	<2	<2	<10	<10
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<25	<25
TVOCs		**143**	**289**	**1827.5**	**3681**	**6626**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample ID:	VP-104(580')	VP-104(600')	VP-104(620')	VP-104(640')	VP-104(660')
CONSTITUENT	Sample Date:	8/15/2006	8/15/2006	8/15/2006	8/16/2006	8/16/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	**4 J**	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**6**	**1 J**	**1 J**	<5	**0.9 J**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**110**	**17**	**14**	**8**	**11**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**116**	**18**	**19**	**8**	**11.9**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample ID:	VP-104(680')	VP-104(707')	VP-104(720')	VP-104(740')	VP-104(760')
CONSTITUENT	Sample Date:	8/16/2006	8/21/2006	8/22/2006	8/22/2006	8/23/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	**6 J**	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**4 J**	**0.5 J**	**1 J**	**1 J**	**1 J**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**4**	**6.5**	**1**	**1**	**1**

	Site ID:	VP-104	VP-104	VP-104	VP-104	VP-104
	Sample ID:	VP-104(780')	VP-104(800')	VP-104(820)	VP-104(840)	VP-104(860)
CONSTITUENT	Sample Date:	8/23/2006	8/23/2006	8/24/2006	8/24/2006	8/25/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		**5 J**	<10	<10	<10	**5 J**
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**0.9 J**	**1 J**	**0.3 J**	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**5.9**	**1**	**0.3**	**0**	**5**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-104	VP-105	VP-105	VP-105	VP-105
	Sample ID:	VP-104(880)	VP-105(50-45)	VP-105(60-55)	VP-105(70-65)	VP-105(80-75)
CONSTITUENT	Sample Date:	8/25/2006	8/2/2006	8/2/2006	8/2/2006	8/2/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	**7**
1,1-Dichloroethene		<5	<5	<5	<5	**2 J**
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		**6 J**	<13	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	**39**	**74**	**22**	**180 D**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	**0.8 J**
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	**4 J**	**7**	**3 J**	**51**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	**0.8 JM**	**3**	**0.8 JM**	**7**
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**6**	**43.8**	**84**	**25.8**	**247.8**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-105	VP-105	VP-105	VP-105	VP-105
	Sample ID:	VP-105(90-85)	VP-105(100-95)	VP-105(107-102)	VP-105 (120-115	VP-105 (130-125
CONSTITUENT	Sample Date:	8/1/2006	8/1/2006	8/1/2006	7/31/2006	7/31/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		**3 J**	**2 JM**	**5 J**	<5	<5
1,1-Dichloroethene		**2 J**	<5	**5 J**	**0.7 J**	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		**0.5 JM**	**0.6 JM**	**2 J**	<5	**0.9 J**
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	**2 J**
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**280 D**	**270 D**	**1500 D**	**310 D**	**30**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		**0.5 JM**	**0.5 JM**	**10 J**	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**28**	**12**	**78 J**	**14**	**12**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		**14**	**12**	**55 J**	**11**	**0.8 J**
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**328**	**297.1**	**1655**	**335.7**	**45.7**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-105	VP-105	VP-105	VP-105	VP-106
	Sample ID:	VP-105 (140-135	VP-105 (150-145	VP-105 (160-155	VP-105 (170-165	VP-106(49-54)
CONSTITUENT	Sample Date:	7/31/2006	7/28/2006	7/28/2006	7/28/2006	6/30/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	**6 J**
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		**2 J**	**4 J**	**3 J**	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		**2 J**	<5	**1 J**	**2 J**	**0.5 J**
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**11**	**220 D**	**34**	**2 J**	**30**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	**3 J**	**1 J**	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**8**	**14**	**13**	**6**	**6**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**23**	**241**	**52**	**10**	**42.5**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-106	VP-106	VP-106	VP-106	VP-106
	Sample ID:	VP-106(55-60)	VP-106(65-70)	VP-106(75-80)	VP-106(85-90)	VP-106 (95-100)
CONSTITUENT	Sample Date:	6/30/2006	6/30/2006	6/30/2006	6/30/2006	6/29/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		**1 J**	**5 J**	**8**	**3 J**	<5
1,1-Dichloroethene		**0.8 J**	**3 J**	**7**	**0.6 J**	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		**6 J**	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		**0.8 J**	**1 J**	**0.6 J**	**3 J**	**5 J**
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**140**	**610 D**	**1100 D**	**140**	**4 J**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	**0.4 J**	**0.5 J**	<5	<5
Toluene		**0.4 J**	<5	<5	<5	<5
trans-1,2-Dichloroethylene		**0.3 JM**	**2 J**	**2 J**	**0.5 J**	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**25**	**85**	**130**	**41**	**4 J**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		**2 J**	**2 J**	**31**	**2 J**	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**176.3**	**708.4**	**1279.1**	**190.1**	**13**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-106	VP-106	VP-107	VP-107	VP-107
	Sample ID:	VP-106 (105-110	VP-106 (115-120	VP-107 (50-45)	VP-107 (60-55)	VP-107 (70-65)
CONSTITUENT	Sample Date:	6/29/2006	6/29/2006	7/25/2006	7/25/2006	7/25/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		**10**	**11**	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**10**	**3 J**	<5	**5**	**5 J**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**9**	**7**	**3 J**	**13**	**14**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**29**	**21**	**3**	**18**	**19**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-107	VP-107	VP-107	VP-107	VP-107
	Sample ID:	VP-107 (80-75)	VP-107 (90-85)	VP-107 (100-95)	VP-107 (110-105	VP-107 (124-119
CONSTITUENT	Sample Date:	7/25/2006	7/25/2006	7/21/2006	7/21/2006	7/21/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		**8 J**	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	**8 J**	**6 J**	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**16**	**40**	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**26**	**91**	<5	**0.6 J**	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**50**	**131**	**8**	**6.6**	**0**

	Site ID:	VP-107	VP-107	VP-107	VP-108	VP-108
	Sample ID:	VP-107 (140-135	VP-107 (153-148	VP-107 (170-165	VP-108(50-45)	VP-108(60-55)
CONSTITUENT	Sample Date:	7/20/2006	7/20/2006	7/20/2006	7/14/2006	7/14/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	**5 J**	<10	**8 J**	**7 J**
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		**0.3 JM**	**0.3 JM**	**1 JM**	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	**8**	**17**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	**4 J**	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**2 J**	**2 J**	**7**	**6**	**12**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**2.3**	**7.3**	**12**	**22**	**36**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-108	VP-108	VP-108	VP-108	VP-108
	Sample ID:	VP-108(70-65)	VP-108(80-75)	VP-108(90-85)	VP-108(100-95)	VP-108(110-105)
CONSTITUENT	Sample Date:	7/14/2006	7/14/2006	7/14/2006	7/14/2006	7/13/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	**1 J**
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	**8**	**10**
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**9**	**2 J**	**16**	**150**	**58**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	**3 J**
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**8**	**2 J**	**16**	**110**	**62**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**17**	**4**	**32**	**268**	**134**

	Site ID:	VP-108	VP-108	VP-108	VP-108	VP-108
	Sample ID:	VP-108(120-115)	VP-108(130-125)	REP071406(130)	VP-108(140-135)	VP-108(150-145)
CONSTITUENT	Sample Date:	7/13/2006	7/13/2006	7/14/2006	7/13/2006	7/13/2006
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	**3 J**	<5	<5	<5
1,1-Dichloroethene		<5	**1 J**	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	**2 J**	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		**12**	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**130**	**180 D**	**16**	**26**	**18**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		**13**	**6**	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	**0.8 J**	<5	<5	<5
Toluene		<5	<5	<5	<5	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**110**	**370 D**	**12**	**60**	**77**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**265**	**562.8**	**28**	**86**	**95**

	Site ID:	VP-108	VP-108	VP-109	VP-109	VP-109
	Sample ID:	VP-108 (160-155	VP-108 (170-165	VP-109 (44-49)	VP-109 (55-60)	VP-109 (65-70)
CONSTITUENT	Sample Date:	7/12/2006	7/12/2006	2/5/2007	2/5/2007	2/5/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	**0.57J**	**0.32J**
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10JB	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	**3.4JB**
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		**0.3 J**	**0.5 J**	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	**3 J**	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**25**	**49**	**18**	**38**	**22**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<10	<10	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		**0.7 J**	<5	**1.1J**	**7.7**	**0.51J**
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**39**	**80**	**18**	**44**	**22**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
TVOCs		**65**	**132.5**	**46.5**	**91.06**	**49.23**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-109	VP-109	VP-109	VP-109	VP-109
	Sample ID:	VP-109 (75-80)	VP-109 (85-90)	VP-109 (95-100)	VP-109 (105-110	VP-109 (115-120
CONSTITUENT	Sample Date:	2/5/2007	2/2/2007	2/2/2007	2/2/2007	2/1/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<25	**0.41J**	**0.42J**
1,1,2,2-Tetrachloroethane		<5	<5	<25	<5	<5
1,1,2-Trichloroethane		<5	<5	<25	<5	<5
1,1-Dichloroethane		**0.24J**	**1.7J**	**4.9J**	**6.3**	**6.3**
1,1-Dichloroethene		<5	**0.91J**	<25	**2.7J**	**2.7J**
1,2-Dichloroethane		<5	<5	<25	**0.63J**	<5
1,2-Dichloropropane		<5	<5	<25	<5	<5
2-Butanone		<10	<10	<50	<10	<10
2-Hexanone		<10	<10	<50	<10	<10
4-Methyl-2-pentanone		<10	<10	<50	<10	<10
Acetone		<10	<10	<50	<10JB	<10JB
Benzene		<0.7	<0.7	<3.5	<0.7	<0.7
Bromodichloromethane		<5	<5	<25	<5	<5
Bromoform		<5	<5	<25	<5	<5
Bromomethane		<5	<5	<25	<5	<5
Carbon disulfide		<5	<5	<25	<5	<5
Carbon tetrachloride		<5	<5	<25	<5	<5
Chlorobenzene		<5	<5	<25	<5	<5
Chlorodifluoromethane		<5	**0.23J**	<25	<5	<5
Chloroethane		<5	<5	<25	<5	<5
Chloroform		<5	**1.4J**	<25	**1.9J**	**1.8J**
Chloromethane		<5	<5	<25	<5	<5
cis-1,2-Dichloroethylene		**29**	**240D**	**420D**	**510D**	**480D**
cis-1,3-Dichloropropene		<5	<5	<25	<5	<5
Dibromochloromethane		<5	<5	<25	<5	<5
Dichlorodifluoromethane		<5	<5	<25	<5	<5
Ethylbenzene		<5	<5	<25	<5	<5
Freon 113		<5	<5	<25	<5	<5
Methylene chloride		<5	<5	**2.3J**	<5	<5
Styrene		<5	<5	<25	<5	<5
Tetrachloroethene		<5	**0.76J**	<25	**2.4J**	**2.3J**
Toluene		**0.8J**	**0.79J**	<25	**2.8J**	**3J**
trans-1,2-Dichloroethylene		<5	**0.62J**	<25	**1.8J**	**1.7J**
trans-1,3-Dichloropropene		<5	<5	<25	<5	<5
Trichloroethene		**27**	**120**	**200**	**220D**	**300D**
Vinyl Acetate		<5	<5	<25	<5	<5
Vinyl Choride		<2	**0.22J**	<10	**1.9J**	**2.4**
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<25	<5	<5
TVOCs		**58.14**	**367.73**	**627.63**	**751.68**	**801.02**

	Site ID:	VP-109	VP-109	VP-109	VP-109	VP-109
	Sample ID:	VP-109 (125-130	VP-109 (135-140	VP-109 (145-150	VP-109 (155-160	VP-109 (165-170
CONSTITUENT	Sample Date:	2/1/2007	1/31/2007	1/31/2007	1/31/2007	1/30/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		**0.73J**	**1.1J**	**1.1J**	<5	<50
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<50
1,1,2-Trichloroethane		<5	<5	<5	<5	<50
1,1-Dichloroethane		**8.6**	**12**	**12**	**6.4**	**11J**
1,1-Dichloroethene		**3.9J**	**5.9**	**6.4**	**3.5J**	**4.5J**
1,2-Dichloroethane		<5	**3J**	**2.9J**	**2.1J**	<50
1,2-Dichloropropane		<5	**0.56J**	**0.78J**	<5	<50
2-Butanone		<10	<10	<10	<10	<100
2-Hexanone		<10	<10	<10	<10	<100
4-Methyl-2-pentanone		<10	<10	<10	<10	<100
Acetone		<10JB	<10JB	<10JB	<10JB	<100JB
Benzene		<0.7	**0.24J**	**0.32J**	<0.7	<7
Bromodichloromethane		<5	<5	<5	<5	<50
Bromoform		<5	<5	<5	<5	<50
Bromomethane		<5	<5	<5	<5	<50
Carbon disulfide		<5	<5	<5	<5	<50
Carbon tetrachloride		<5	<5	<5	<5	<50
Chlorobenzene		<5	<5	<5	<5	<50
Chlorodifluoromethane		<5	**0.21J**	**0.28J**	<5	<50
Chloroethane		<5	<5	<5	<5	<50
Chloroform		**2.6J**	**3J**	**2.7J**	**1.7J**	**4.4J**
Chloromethane		<5	**0.62J**	**0.8J**	<5	<50
cis-1,2-Dichloroethylene		**380D**	**690D**	**670D**	**410DD**	**1200D**
cis-1,3-Dichloropropene		<5	<5	<5	<5	<50
Dibromochloromethane		<5	<5	<5	<5	<50
Dichlorodifluoromethane		<5	<5	<5	<5	<50
Ethylbenzene		<5	<5	<5	<5	<50
Freon 113		<5	<5	<5	<5	<50
Methylene chloride		<5JB	<5JB	<5JB	<5JB	<50JB
Styrene		<5	<5	<5	<5	<50
Tetrachloroethene		**3.5J**	**4.5J**	**4.5J**	**3.9J**	<50
Toluene		**3J**	**7.1**	**5.5**	**3.1J**	**1.3J**
trans-1,2-Dichloroethylene		**2.6J**	**2.1J**	**2.1J**	**1.2J**	<50
trans-1,3-Dichloropropene		<5	<5	<5	<5	<50
Trichloroethene		**150D**	**680D**	**710D**	**540D**	**1200D**
Vinyl Acetate		<5	<5	<5	<5	<50
Vinyl Choride		**5**	**8.3**	**9.1**	**5.3**	**5J**
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<50
TVOCs		**559.93**	**1419.31**	**1428.84**	**977.7**	**2426.97**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-109	VP-109	VP-109	VP-109	VP-109
	Sample ID:	VP-109 (175-180	VP-109 (185-190	VP-109 (195-200	VP-109 (205-210	VP-109 (215-220
CONSTITUENT	Sample Date:	1/30/2007	1/30/2007	1/29/2007	1/29/2007	1/26/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<50	<100	**0.76J**	**2J**	<100
1,1,2,2-Tetrachloroethane		<50	<100	<5	<5	<100
1,1,2-Trichloroethane		<50	<100	**0.39J**	**0.79J**	<100
1,1-Dichloroethane		**15J**	**21J**	**25**	**33**	**38J**
1,1-Dichloroethene		**3J**	<100	**5.7**	**14**	**15J**
1,2-Dichloroethane		<50	<100	**1.9J**	**3.8J**	**14J**
1,2-Dichloropropane		<50	<100	**0.48J**	**1.5J**	<100
2-Butanone		<100	<200	<10	<10	<200
2-Hexanone		<100	<200	<10	<10	<200
4-Methyl-2-pentanone		**1.8J**	**5.6J**	<10	<10	<200
Acetone		<100JB	<200JB	<10JB	<10JB	<200JB
Benzene		<7	<14	<0.7	**0.51J**	<14
Bromodichloromethane		<50	<100	<5	<5	<100
Bromoform		<50	<100	<5	<5	<100
Bromomethane		<50	<100	<5	<5	<100
Carbon disulfide		<50	<100	<5	<5	<100
Carbon tetrachloride		<50	<100	<5	<5	<100
Chlorobenzene		<50	<100	<5	<5	<100
Chlorodifluoromethane		<50	<100	**0.96J**	**0.53J**	<100
Chloroethane		<50	<100	<5	<5	<100
Chloroform		**5.5J**	**2.9J**	**6**	**4.1J**	<100
Chloromethane		<50	<100	<5	<5	<100
cis-1,2-Dichloroethylene		**1500D**	**2000D**	**2000D**	**3400D**	**2700D**
cis-1,3-Dichloropropene		<50	<100	<5	<5	<100
Dibromochloromethane		<50	<100	**3.5J**	<5	<100
Dichlorodifluoromethane		<50	<100	<5	<5	<100
Ethylbenzene		<50	<100	<5	<5	<100
Freon 113		<50	<100	<5	**1.1J**	<100
Methylene chloride		<50JB	<100JB	<5JB	<5JB	<100JB
Styrene		<50	<100	<5	<5	<100
Tetrachloroethene		**2.5J**	<100	**6.4**	**8.7**	**3.2J**
Toluene		<50	<100	**0.7J**	**1.3J**	<100J
trans-1,2-Dichloroethylene		**3.9J**	<100	**7**	**13**	**12J**
trans-1,3-Dichloropropene		<50	<100	<5	<5	<100
Trichloroethene		**1500D**	**1700D**	**1500D**	**1800D**	**2400D**
Vinyl Acetate		<50	<100	<5	<5	<100
Vinyl Choride		<20	**11J**	**6.2**	**47**	**44**
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<50	<100	<5	<5	<100
TVOCs		**3032.21**	**3741.12**	**3565.84**	**5331.71**	**5226.2**

	Site ID:	VP-109	VP-109	VP-109	VP-109	VP-109
	Sample ID:	VP-109 (225-230	VP-109 (235-240	REP012506	VP-109 (247-252	VP-109 (255-260
CONSTITUENT	Sample Date:	1/25/2007	1/25/2007	1/25/2007	1/24/2007	1/24/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<250	<250	<250	**3.9J**	**2.2J**
1,1,2,2-Tetrachloroethane		<250	<250	<250	<5	<5
1,1,2-Trichloroethane		<250	<250	<250	**0.7J**	**0.24J**
1,1-Dichloroethane		**48J**	**64J**	**51J**	**13**	**6.9**
1,1-Dichloroethene		**26J**	**27J**	**20J**	**8.5**	**4.8J**
1,2-Dichloroethane		**14J**	**25J**	**17J**	**3.1J**	**1.3J**
1,2-Dichloropropane		<250	<250	<250	<5	<5
2-Butanone		<500	<500	<500	<10	<10
2-Hexanone		<500	<500	<500	<10	<10
4-Methyl-2-pentanone		<500	**7.8J**	<500	<10	<10
Acetone		<500JB	<500JB	<500	<10JB	<10JB
Benzene		<35	<35	<35	<0.7	<0.7
Bromodichloromethane		<250	<250	<250	<5	<5
Bromoform		<250	<250	<250	<5	<5
Bromomethane		<250	<250	<250	<5	<5
Carbon disulfide		<250	<250	<250	<5	<5
Carbon tetrachloride		<250	<250	<250	<5	<5
Chlorobenzene		<250	<250	<250	<5	<5
Chlorodifluoromethane		<250	<250	<250	**0.27J**	**0.23J**
Chloroethane		<250	<250	<250	<5	<5
Chloroform		<250	<250	<250	**3.2J**	**2.1J**
Chloromethane		<250	<250	<250	<5	<5
cis-1,2-Dichloroethylene		**2800D**	**3200D**	**3000D**	**560D**	**280D**
cis-1,3-Dichloropropene		<250	<250	<250	<5	<5
Dibromochloromethane		<250	<250	<250	<5	<5
Dichlorodifluoromethane		<250	<250	<250	<5	<5
Ethylbenzene		<250	<250	<250	<5	<5
Freon 113		<250	<250	<250	<5	<5
Methylene chloride		<250JB	<250JB	<250JB	<5JB	<5JB
Styrene		<250	<250	<250	<5	<5
Tetrachloroethene		<250	<250	<250	**11**	**8.9**
Toluene		<250	<250	<250	**1.3J**	**0.45J**
trans-1,2-Dichloroethylene		**21J**	**22J**	<250	**1.9J**	**1.1J**
trans-1,3-Dichloropropene		<250	<250	<250	<5	<5
Trichloroethene		**3900D**	**5800DJ**	**4200DJ**	**2400D**	**1300D**
Vinyl Acetate		<250	<250	<250	<5	<5
Vinyl Choride		**38J**	**27J**	**39J**	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<250	<250	<250	<5	<5
TVOCs		**6847**	**9172.8**	**7327**	**3007.44**	**1608.95**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-109	VP-109	VP-109
	Sample ID:	VP-109 (265-270	VP-109 (275-280	VP-109 (288-293
CONSTITUENT	Sample Date:	1/23/2007	1/23/2007	1/22/2007
Volatile Organic Compounds				
1,1,1-Trichloroethane		<250	<100	<250
1,1,2,2-Tetrachloroethane		<250	<100	<250
1,1,2-Trichloroethane		<250	<100	<250
1,1-Dichloroethane		**35J**	**26J**	**31J**
1,1-Dichloroethene		**19J**	**13J**	**19J**
1,2-Dichloroethane		<250	<100	<250
1,2-Dichloropropane		<250	<100	<250
2-Butanone		<500	<200	<500
2-Hexanone		<500	<200	<500
4-Methyl-2-pentanone		<500	<200	<500
Acetone		<500JB	<200JB	<500
Benzene		<35	<14	<35
Bromodichloromethane		<250	<100	<250
Bromoform		<250	<100	<250
Bromomethane		<250	<100	<250
Carbon disulfide		<250	<100	<250
Carbon tetrachloride		<250	<100	<250
Chlorobenzene		<250	<100	<250
Chlorodifluoromethane		<250	<100	<250
Chloroethane		<250	<100	<250
Chloroform		<250	<100	<250
Chloromethane		<250	<100	<250
cis-1,2-Dichloroethylene		**2500D**	**1500D**	**2200D**
cis-1,3-Dichloropropene		<250	<100	<250
Dibromochloromethane		<250	<100	<250
Dichlorodifluoromethane		<250	<100	<250
Ethylbenzene		<250	<100	<250
Freon 113		<250	<100	<250
Methylene chloride		<250JB	<100JB	<250JB
Styrene		<250	<100	<250
Tetrachloroethene		<250	**2.4J**	<250
Toluene		<250	**2.1J**	<250
trans-1,2-Dichloroethylene		<250	<100	<250
trans-1,3-Dichloropropene		<250	<100	<250
Trichloroethene		**5200D**	**3900D**	**5500D**
Vinyl Acetate		<250	<100	<250
Vinyl Choride		<100	<40	**8.2J**
Xylene-O		--	--	--
Xylene-M,P		--	--	--
Xylene (total)		<250	<100	<250
TVOCs		**7754**	**5443.5**	**7758.2**

	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample ID:	VP-110 (40-45)	VP-110 (50-55)	REP0022207	VP-110 (60-65)	VP-110 (70-75)
CONSTITUENT	Sample Date:	2/22/2007	2/22/2007	2/22/2007	2/21/2007	2/21/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10JB	<10JB	<10JB	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5JB	<5JB	<5JB	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	**0.22J**	<5	<5	<5
Toluene		**9.6**	**21**	**18**	**2.5J**	<5
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	**0.24J**	**0.2J**	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
Sum of Constituents		**9.6**	**21.46**	**18.2**	**2.5**	**0**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample ID:	VP-110 (80-85)	VP-110 (90-95)	VP-110 (100-105)	VP-110 (110-115	VP-110 (120-125
CONSTITUENT	Sample Date:	2/21/2007	2/21/2007	2/21/2007	2/20/2007	2/20/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	**0.78J**
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	**0.24J**
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10JB	<10JB
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5JB	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5JB	<5JB
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		**0.56J**	**0.53J**	**0.98J**	**0.97J**	**0.49J**
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
Sum of Constituents		**0.56**	**0.53**	**0.98**	**1.66**	**2.46**

	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample ID:	VP-110 (140-145	VP-110 (150-155	VP-110 (160-165	VP-110(170-175)	VP-110(180-185)
CONSTITUENT	Sample Date:	2/20/2007	2/20/2007	2/20/2007	2/16/2007	2/16/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		**0.2J**	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10JB	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10JB	<10JB	<10JB	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5JB	<5	<5JB	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		**0.19J**	**0.34J**	**0.34J**	<5	<5
Chloromethane		<5J	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5JB	<5JB	<5JB	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	**0.31J**	<5	<5
Toluene		**2J**	**0.87J**	**0.98J**	**0.33J**	**0.77J**
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**0.38J**	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
Sum of Constituents		**3.36**	**2.51**	**2.83**	**1.73**	**1.55**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample ID:	VP-110(190-195)	REP021607	VP-110(200-205)	VP-110(210-215)	VP-110(220-225)
CONSTITUENT	Sample Date:	2/16/2007	2/16/2007	2/13/2007	2/13/2007	2/13/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	**0.52J**	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		**0.65J**	**0.75J**	**1.2J**	**1.3J**	**1.3J**
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
Sum of Constituents		**1.36**	**1.68**	**2.63**	**2.3**	**2.3**

	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample ID:	VP-110 (230-235	VP-110 (240-245	VP-110 (250-255	VP-110 (260-265	VP-110 (270-275
CONSTITUENT	Sample Date:	2/9/2007	2/9/2007	2/7/2007	2/7/2007	2/7/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethene		<5	<5	<5	<5	<5
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	<5	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	<5	<5
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	<5	<5	<5
Toluene		**0.87J**	**1.5J**	**1.5J**	**0.54J**	**1.5J**
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		<5	<5	<5	<5	<5
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
Sum of Constituents		**2.47**	**3.4**	**4**	**2.74**	**3.2**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample ID:	VP-110(283-288)	VP-110(295-300)	VP-110(315-320)	REP020107	VP-110 (325-330
CONSTITUENT	Sample Date:	2/6/2007	2/6/2007	2/6/2007	2/1/2007	2/5/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		<5	<5	<5	**0.96J**	**0.74J**
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		<5	<5	<5	**0.46J**	**0.36J**
1,1-Dichloroethene		<5	<5	**1.4J**	**2.6J**	**1.8J**
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	**1.9JB**	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		<5	<5	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		<5	<5	<5	<5	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		<5	<5	<5	<5	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		<5	<5	<5	**0.23J**	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		<5	<5	<5	**0.96J**	**0.7J**
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		<5	<5	**0.6J**	**1.9J**	**1.3J**
Toluene		**0.56J**	**1.2J**	**0.77J**	**0.73J**	**1J**
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**0.39J**	**2.3J**	**6.8**	**13**	**8.5**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
Sum of Constituents		**2.35**	**4.47**	**13.07**	**22.64**	**15.7**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-110	VP-110	VP-110	VP-110	VP-110
	Sample ID:	VP-110 (333-338	VP-110 (344-349	VP-110 (352-357	VP-110 (362-367	VP-110 (372-377
CONSTITUENT	Sample Date:	2/5/2007	2/1/2007	2/1/2007	1/31/2007	1/31/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		**7.1**	**4.8J**	**0.99J**	**2.8J**	**0.48J**
1,1,2,2-Tetrachloroethane		<5	<5	<5	<5	<5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5
1,1-Dichloroethane		**0.79J**	**1.1J**	**0.4J**	**1.3J**	**0.33J**
1,1-Dichloroethene		**22**	**16**	**3.3J**	**13**	**1.4J**
1,2-Dichloroethane		<5	<5	<5	<5	<5
1,2-Dichloropropane		<5	<5	<5	<5	<5
2-Butanone		<10	<10	<10	<10	<10
2-Hexanone		<10	<10	<10	<10	<10
4-Methyl-2-pentanone		<10	<10	<10	<10	<10
Acetone		<10	<10	<10	<10	<10
Benzene		<0.7	<0.7	<0.7	<0.7	<0.7
Bromodichloromethane		<5	<5	<5	<5	<5
Bromoform		<5	<5	<5	<5	<5
Bromomethane		<5	<5	<5	<5	<5
Carbon disulfide		<5	<5	<5	<5	<5
Carbon tetrachloride		**0.96J**	**0.61J**	<5	<5	<5
Chlorobenzene		<5	<5	<5	<5	<5
Chlorodifluoromethane		**0.47J**	<5	<5	**0.4J**	<5
Chloroethane		<5	<5	<5	<5	<5
Chloroform		**0.49J**	**0.46J**	**0.24J**	**0.79J**	<5
Chloromethane		<5	<5	<5	<5	<5
cis-1,2-Dichloroethylene		**4.6J**	**5.4**	**0.35J**	**5.6**	<5
cis-1,3-Dichloropropene		<5	<5	<5	<5	<5
Dibromochloromethane		<5	<5	<5	<5	<5
Dichlorodifluoromethane		<5	<5	<5	<5	<5
Ethylbenzene		<5	<5	<5	<5	<5
Freon 113		**8.9**	**5.3**	**1.1J**	**3.8J**	**0.51J**
Methylene chloride		<5	<5	<5	<5	<5
Styrene		<5	<5	<5	<5	<5
Tetrachloroethene		**11**	**7.8**	**2.2J**	**10**	**1.4J**
Toluene		**1.3J**	**0.32J**	**0.71J**	**0.23J**	**0.45J**
trans-1,2-Dichloroethylene		<5	<5	<5	<5	<5
trans-1,3-Dichloropropene		<5	<5	<5	<5	<5
Trichloroethene		**43**	**47**	**14**	**51**	**6.8**
Vinyl Acetate		<5	<5	<5	<5	<5
Vinyl Choride		<2	<2	<2	<2	<2
Xylene-O		--	--	--	--	--
Xylene-M,P		--	--	--	--	--
Xylene (total)		<5	<5	<5	<5	<5
Sum of Constituents		**104.51**	**91.79**	**24.89**	**91.82**	**12.67**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-110	VP-111	VP-111	VP-111	VP-111
	Sample ID:	VP-110 (382-387	VP-111 (51-50)	VP-111 (71-70)	VP-111 (91)	VP-111 (111)
CONSTITUENT	Sample Date:	1/30/2007	4/17/2007	4/17/2007	4/17/2007	4/17/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		**1.4J**	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		<5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		<5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		**3.9J**	< 5	< 5	< 5	< 5
1,1-Dichloroethene		**6.3**	< 5	< 5	< 5	< 5
1,2-Dichloroethane		**0.79J**	< 5	< 5	< 5	< 5
1,2-Dichloropropane		<5	< 5	< 5	< 5	< 5
2-Butanone		<10	< 50	< 50	< 50	< 50
2-Hexanone		<10	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		**0.18J**	< 50	< 50	< 50	< 50
Acetone		<10	< 50	< 50	< 50	< 50
Benzene		<0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		<5	< 5	< 5	< 5	< 5
Bromoform		<5	< 5	< 5	< 5	< 5
Bromomethane		<5	< 5	< 5	< 5	< 5
Carbon disulfide		<5	< 50	< 50	< 50	< 50
Carbon tetrachloride		<5	< 5	< 5	< 5	< 5
Chlorobenzene		<5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		**0.5J**	< 5	< 5	< 5	< 5
Chloroethane		<5	< 5	< 5	< 5	< 5
Chloroform		**1.5J**	< 7	< 7	< 7	< 7
Chloromethane		<5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		**59**	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene		<5	< 5	< 5	< 5	< 5
Dibromochloromethane		<5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		<5	< 5	< 5	< 5	< 5
Ethylbenzene		<5	< 5	< 5	< 5	< 5
Freon 113		**1.9J**	< 5	< 5	< 5	< 5
Methylene chloride		<5	< 5	< 5	< 5	< 5
Styrene		<5	< 5	< 5	< 5	< 5
Tetrachloroethene		**11**	< 5	< 5	< 5	< 5
Toluene		<5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		<5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		<5	< 5	< 5	< 5	< 5
Trichloroethene		**120**	< 5	< 5	< 5	< 5
Vinyl Acetate		<5	--	--	--	--
Vinyl Choride		<2	< 2	< 2	< 2	< 2
Xylene-O		--	< 5	< 5	< 5	< 5
Xylene-M,P		--	< 5	< 5	< 5	< 5
Xylene (total)		<5	--	--	--	--
Sum of Constituents		**207.87**	**0**	**0**	**0**	**0**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-111	VP-111	VP-111	VP-111	VP-111
	Sample ID:	VP-111(131)	VP-111(151)	VP-111(171)	REP041807	VP-111(191)
CONSTITUENT	Sample Date:	4/18/2007	4/18/2007	4/18/2007	4/18/2007	4/19/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene		< 5	< 5	< 5	< 5	< 5
Tetrachloroethene		< 5	< 5	< 5	< 5	< 5
Toluene		< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Trichloroethene		< 5	< 5	< 5	< 5	< 5
Vinyl Acetate		--	--	--	--	--
Vinyl Choride		< 2	< 2	< 2	< 2	< 2
Xylene-O		< 5	< 5	< 5	< 5	< 5
Xylene-M,P		< 5	< 5	< 5	< 5	< 5
Xylene (total)		--	--	--	--	--
Sum of Constituents		**0**	**0**	**0**	**0**	**0**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-111	VP-111	VP-111	VP-111	VP-111
	Sample ID:	VP-111(211)	VP-111(231)	VP-111(251)	VP-111(271)	VP-111(291)
CONSTITUENT	Sample Date:	4/19/2007	4/19/2007	4/19/2007	4/20/2007	4/20/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	< 5	**7.4**	**10**
1,1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene		< 5	< 5	< 5	< 5	< 5
Tetrachloroethene		< 5	< 5	< 5	**9.2**	**48**
Toluene		< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Trichloroethene		< 5	< 5	< 5	**8**	**8.5**
Vinyl Acetate		--	--	--	--	--
Vinyl Choride		< 2	< 2	< 2	< 2	< 2
Xylene-O		< 5	< 5	< 5	< 5	< 5
Xylene-M,P		< 5	< 5	< 5	< 5	< 5
Xylene (total)		--	--	--	--	--
Sum of Constituents		**0**	**0**	**0**	**24.6**	**66.5**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-111	VP-111	VP-111	VP-111	VP-111
	Sample ID:	VP-111(311)	VP-111(331)	VP-111 (351)	VP-111 (371)	VP-111 (391)
CONSTITUENT	Sample Date:	4/20/2007	4/20/2007	4/23/2007	4/23/2007	4/24/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 5	**5.8**	**7.6**	**10**	**5.6**
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		**6.4**	< 5	< 5	< 5	**6.9**
1,1-Dichloroethene		**5.6**	**7.6**	**9.2**	**10**	**7.4**
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	< 5	< 5	**23**	**65**
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	**5.1**	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene		< 5	< 5	< 5	< 5	< 5
Tetrachloroethene		**18**	**18**	**14**	**11**	**28**
Toluene		< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Trichloroethene		**17**	**25**	**30**	**55**	**160**
Vinyl Acetate		--	--	--	--	--
Vinyl Choride		< 2	< 2	< 2	< 2	< 2
Xylene-O		< 5	< 5	< 5	< 5	< 5
Xylene-M,P		< 5	< 5	< 5	< 5	< 5
Xylene (total)		--	--	--	--	--
Sum of Constituents		**47**	**56.4**	**60.8**	**114.1**	**272.9**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-111	VP-111	VP-111	VP-111	VP-111
	Sample ID:	VP-111 (411)	VP-111 (431)	VP-111 (451)	VP-111 (471)	VP-111 (491)
CONSTITUENT	Sample Date:	4/24/2007	4/24/2007	4/24/2007	4/25/2007	4/25/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 10	< 25	< 250	< 250	< 25
1,1,2,2-Tetrachloroethane		< 10	< 25	< 250	< 250	< 25
1,1,2-Trichloroethane		< 10	< 25	< 250	< 250	< 25
1,1-Dichloroethane		< 10	< 25	< 250	< 250	< 25
1,1-Dichloroethene		< 10	< 25	< 250	< 250	< 25
1,2-Dichloroethane		< 10	< 25	< 250	< 250	< 25
1,2-Dichloropropane		< 10	< 25	< 250	< 250	< 25
2-Butanone		< 100	< 250	< 2500	< 2500	< 250
2-Hexanone		< 100	< 250	< 2500	< 2500	< 250
4-Methyl-2-pentanone		< 100	< 250	< 2500	< 2500	< 250
Acetone		< 100	< 250	< 2500	< 2500	< 250
Benzene		< 1.4	< 3.5	< 35	< 35	< 3.5
Bromodichloromethane		< 10	< 25	< 250	< 250	< 25
Bromoform		< 10	< 25	< 250	< 250	< 25
Bromomethane		< 10	< 25	< 250	< 250	< 25
Carbon disulfide		< 100	< 250	< 2500	< 2500	< 250
Carbon tetrachloride		< 10	< 25	< 250	< 250	< 25
Chlorobenzene		< 10	< 25	< 250	< 250	< 25
Chlorodifluoromethane		< 10	< 25	< 250	< 250	< 25
Chloroethane		< 10	< 25	< 250	< 250	< 25
Chloroform		< 14	< 35	< 350	< 350	< 35
Chloromethane		< 10	< 25	< 250	< 250	< 25
cis-1,2-Dichloroethylene		**130**	**300**	**1400**	**1200**	**55**
cis-1,3-Dichloropropene		< 10	< 25	< 250	< 250	< 25
Dibromochloromethane		< 10	< 25	< 250	< 250	< 25
Dichlorodifluoromethane		< 10	< 25	< 250	< 250	< 25
Ethylbenzene		< 10	< 25	< 250	< 250	< 25
Freon 113		< 10	< 25	< 250	< 250	< 25
Methylene chloride		< 10	< 25	< 250	< 250	< 25
Styrene		< 10	< 25	< 250	< 250	< 25
Tetrachloroethene		**13**	< 25	< 250	< 250	< 25
Toluene		< 10	< 25	< 250	< 250	< 25
trans-1,2-Dichloroethylene		< 10	< 25	< 250	< 250	< 25
trans-1,3-Dichloropropene		< 10	< 25	< 250	< 250	< 25
Trichloroethene		**240**	**520**	**9100**	**6500**	**1700 D**
Vinyl Acetate		--	--	--	--	--
Vinyl Choride		< 4	< 10	< 100	< 100	< 10
Xylene-O		< 10	< 25	< 250	< 250	< 25
Xylene-M,P		< 10	< 25	< 250	< 250	< 25
Xylene (total)		--	--	--	--	--
Sum of Constituents		**383**	**820**	**10500**	**7700**	**1755**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-111	VP-111	VP-111	VP-111	VP-111
	Sample ID:	VP-111 (511)	VP-111 (531)	VP-111 (551)	REP042607	VP-111(571)
CONSTITUENT	Sample Date:	4/25/2007	4/26/2007	4/26/2007	4/26/2007	4/27/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 13	< 10	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 13	< 10	< 5	< 5	< 5
1,1,2-Trichloroethane		< 13	< 10	< 5	< 5	< 5
1,1-Dichloroethane		< 13	< 10	< 5	< 5	< 5
1,1-Dichloroethene		< 13	< 10	< 5	< 5	< 5
1,2-Dichloroethane		< 13	< 10	< 5	< 5	< 5
1,2-Dichloropropane		< 13	< 10	< 5	< 5	< 5
2-Butanone		< 130	< 100	< 50	< 50	< 50
2-Hexanone		< 130	< 100	< 50	< 50	< 50
4-Methyl-2-pentanone		< 130	< 100	< 50	< 50	< 50
Acetone		< 130	< 100	< 50	< 50	< 50
Benzene		< 1.8	< 1.4	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 13	< 10	< 5	< 5	< 5
Bromoform		< 13	< 10	< 5	< 5	< 5
Bromomethane		< 13	< 10	< 5	< 5	< 5
Carbon disulfide		< 130	< 100	< 50	< 50	< 50
Carbon tetrachloride		< 13	< 10	< 5	< 5	< 5
Chlorobenzene		< 13	< 10	< 5	< 5	< 5
Chlorodifluoromethane		< 13	< 10	< 5	< 5	< 5
Chloroethane		< 13	< 10	< 5	< 5	< 5
Chloroform		< 18	< 14	< 7	< 7	< 7
Chloromethane		< 13	< 10	< 5	< 5	< 5
cis-1,2-Dichloroethylene		**13**	< 10	< 5	< 5	< 5
cis-1,3-Dichloropropene		< 13	< 10	< 5	< 5	< 5
Dibromochloromethane		< 13	< 10	< 5	< 5	< 5
Dichlorodifluoromethane		< 13	< 10	< 5	< 5	< 5
Ethylbenzene		< 13	< 10	< 5	< 5	< 5
Freon 113		< 13	< 10	< 5	< 5	< 5
Methylene chloride		< 13	< 10	< 5	< 5	< 5
Styrene		< 13	< 10	< 5	< 5	< 5
Tetrachloroethene		< 13	< 10	< 5	< 5	< 5
Toluene		< 13	< 10	< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 13	< 10	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 13	< 10	< 5	< 5	< 5
Trichloroethene		**820 D**	**430 D**	**52**	**54**	< 5
Vinyl Acetate		--	--	--	--	--
Vinyl Choride		< 5	< 4	< 2	< 2	< 2
Xylene-O		< 13	< 10	< 5	< 5	< 5
Xylene-M,P		< 13	< 10	< 5	< 5	< 5
Xylene (total)		--	--	--	--	--
Sum of Constituents		**833**	**430**	**52**	**54**	**0**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-111	VP-111	VP-111	VP-112	VP-112
	Sample ID:	VP-111(591)	VP-111 (616)	VP-111 (631)	VP-112 (60)	VP-112 (80)
CONSTITUENT	Sample Date:	4/27/2007	4/30/2007	5/1/2007	5/23/2007	5/23/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene		< 5	< 5	< 5	< 5	< 5
Tetrachloroethene		< 5	< 5	< 5	< 5	< 5
Toluene		< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Trichloroethene		< 5	**30**	< 5	< 5	< 5
Vinyl Acetate		--	--	--	--	--
Vinyl Choride		< 2	< 2	< 2	< 2	< 2
Xylene-O		< 5	< 5	< 5	< 5	< 5
Xylene-M,P		< 5	< 5	< 5	< 5	< 5
Xylene (total)		--	--	--	--	--
Sum of Constituents		**0**	**30**	**0**	**0**	**0**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-112	VP-112	VP-112	VP-112	VP-112
	Sample ID:	VP-112 (100)	VP-112 (120)	VP-112 (140)	VP-112 (165)	VP-112 (185)
CONSTITUENT	Sample Date:	5/23/2007	5/24/2007	5/24/2007	5/24/2007	5/30/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	< 5	< 5	**5.4**	**20**
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene		< 5	< 5	< 5	< 5	< 5
Tetrachloroethene		**6.4**	< 5	**16**	**62**	**76**
Toluene		< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Trichloroethene		< 5	< 5	< 5	**5.2**	**20**
Vinyl Acetate		--	--	--	--	--
Vinyl Choride		< 2	< 2	< 2	< 2	**5.9**
Xylene-O		< 5	< 5	< 5	< 5	< 5
Xylene-M,P		< 5	< 5	< 5	< 5	< 5
Xylene (total)		--	--	--	--	--
Sum of Constituents		**6.4**	**0**	**16**	**72.6**	**121.9**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-112	VP-112	VP-112	VP-112	VP-112
	Sample ID:	VP-112 (200)	VP-112 (220)	VP-112 (240)	VP-112 (260)	VP-112 (280)
CONSTITUENT	Sample Date:	5/30/2007	5/31/2007	5/31/2007	5/31/2007	5/31/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	**19**	**66**	< 5	< 5
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene		< 5	< 5	< 5	< 5	< 5
Tetrachloroethene		**9.8**	**84**	**190**	**6.8**	< 5
Toluene		< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Trichloroethene		< 5	**19**	**56**	< 5	< 5
Vinyl Acetate		--	--	--	--	--
Vinyl Choride		< 2	**4.1**	**5.2**	< 2	< 2
Xylene-O		< 5	< 5	< 5	< 5	< 5
Xylene-M,P		< 5	< 5	< 5	< 5	< 5
Xylene (total)		--	--	--	--	--
Sum of Constituents		**9.8**	**126.1**	**317.2**	**6.8**	**0**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-112	VP-112	VP-112	VP-112	VP-112
	Sample ID:	REP053107	VP-112 (300)	VP-112 (320)	VP-112 (340)	VP-112 (360)
CONSTITUENT	Sample Date:	5/31/2007	6/1/2007	6/1/2007	6/1/2007	6/4/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		**64**	< 5	< 5	< 5	< 5
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene		< 5	< 5	< 5	< 5	< 5
Tetrachloroethene		**180**	< 5	< 5	< 5	< 5
Toluene		< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Trichloroethene		**55**	< 5	< 5	< 5	< 5
Vinyl Acetate		--	--	--	--	--
Vinyl Choride		**5.1**	< 2	< 2	< 2	< 2
Xylene-O		< 5	< 5	< 5	< 5	< 5
Xylene-M,P		< 5	< 5	< 5	< 5	< 5
Xylene (total)		--	--	--	--	--
Sum of Constituents		**304.1**	**0**	**0**	**0**	**0**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-112	VP-112	VP-112	VP-112	VP-112
	Sample ID:	VP-112 (380)	VP-112(410)	VP-112 (420)	VP-112 (440)	VP-112 (470)
CONSTITUENT	Sample Date:	6/4/2007	6/5/2007	6/6/2007	6/6/2007	6/7/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	**5.4**	**5.2**	**5.4**
1,1-Dichloroethene		< 5	< 5	< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 50
Acetone		< 50	< 50	< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 5
Bromoform		< 5	< 5	< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5	< 5	< 5
Chloroform		< 7	< 7	< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	**13**
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5	< 5	< 5
Freon 113		< 5	< 5	< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5	< 5	< 5
Styrene		< 5	< 5	< 5	< 5	< 5
Tetrachloroethene		< 5	< 5	< 5	< 5	< 5
Toluene		< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 5
Trichloroethene		< 5	< 5	< 5	< 5	**86**
Vinyl Acetate		--	--	--	--	--
Vinyl Choride		< 2	< 2	< 2	< 2	< 2
Xylene-O		< 5	< 5	< 5	< 5	< 5
Xylene-M,P		< 5	< 5	< 5	< 5	< 5
Xylene (total)		--	--	--	--	--
Sum of Constituents		**0**	**0**	**5.4**	**5.2**	**104.4**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-112	VP-112	VP-112	VP-112	VP-112
	Sample ID:	VP-112 (480)	VP-112 (500)	VP-112 (520)	REP060707	VP-112 (545)
CONSTITUENT	Sample Date:	6/7/2007	6/7/2007	6/7/2007	6/7/2007	6/8/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 5	< 5	< 5	< 5	< 50
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5	< 5	< 50
1,1,2-Trichloroethane		< 5	< 5	< 5	< 5	< 50
1,1-Dichloroethane		**6.1**	**5.6**	< 5	**5.5**	< 50
1,1-Dichloroethene		< 5	< 5	< 5	< 5	< 50
1,2-Dichloroethane		< 5	< 5	< 5	< 5	< 50
1,2-Dichloropropane		< 5	< 5	< 5	< 5	< 50
2-Butanone		< 50	< 50	< 50	< 50	< 500
2-Hexanone		< 50	< 50	< 50	< 50	< 500
4-Methyl-2-pentanone		< 50	< 50	< 50	< 50	< 500
Acetone		< 50	< 50	< 50	< 50	< 500
Benzene		< 0.7	< 0.7	< 0.7	< 0.7	< 7
Bromodichloromethane		< 5	< 5	< 5	< 5	< 50
Bromoform		< 5	< 5	< 5	< 5	< 50
Bromomethane		< 5	< 5	< 5	< 5	< 50
Carbon disulfide		< 50	< 50	< 50	< 50	< 500
Carbon tetrachloride		< 5	< 5	< 5	< 5	< 50
Chlorobenzene		< 5	< 5	< 5	< 5	< 50
Chlorodifluoromethane		< 5	< 5	< 5	< 5	< 50
Chloroethane		< 5	< 5	< 5	< 5	< 50
Chloroform		< 7	< 7	< 7	< 7	< 70
Chloromethane		< 5	< 5	< 5	< 5	< 50
cis-1,2-Dichloroethylene		**8.9**	**24**	**30**	**14**	**110**
cis-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 50
Dibromochloromethane		< 5	< 5	< 5	< 5	< 50
Dichlorodifluoromethane		< 5	< 5	< 5	< 5	< 50
Ethylbenzene		< 5	< 5	< 5	< 5	< 50
Freon 113		< 5	< 5	< 5	< 5	< 50
Methylene chloride		< 5	< 5	< 5	< 5	< 50
Styrene		< 5	< 5	< 5	< 5	< 50
Tetrachloroethene		< 5	< 5	< 5	< 5	< 50
Toluene		< 5	< 5	< 5	< 5	< 50
trans-1,2-Dichloroethylene		< 5	< 5	< 5	< 5	< 50
trans-1,3-Dichloropropene		< 5	< 5	< 5	< 5	< 50
Trichloroethene		**26**	**40**	**260 D**	**86**	**760**
Vinyl Acetate		--	--	--	--	--
Vinyl Choride		< 2	< 2	< 2	< 2	< 20
Xylene-O		< 5	< 5	< 5	< 5	< 50
Xylene-M,P		< 5	< 5	< 5	< 5	< 50
Xylene (total)		--	--	--	--	--
Sum of Constituents		**41**	**69.6**	**290**	**105.5**	**870**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-112	VP-112	VP-112	VP-112	VP-112
	Sample ID:	VP-112 (560)	VP-112 (580)	VP-112 (600)	VP-112 (620)	VP-112 (640)
CONSTITUENT	Sample Date:	6/8/2007	6/8/2007	6/11/2007	6/13/2007	6/13/2007
Volatile Organic Compounds						
1,1,1-Trichloroethane		< 25	< 50	< 25	< 25	< 25
1,1,2,2-Tetrachloroethane		< 25	< 50	< 25	< 25	< 25
1,1,2-Trichloroethane		< 25	< 50	< 25	< 25	< 25
1,1-Dichloroethane		< 25	< 50	< 25	< 25	< 25
1,1-Dichloroethene		< 25	< 50	< 25	< 25	< 25
1,2-Dichloroethane		< 25	< 50	< 25	< 25	< 25
1,2-Dichloropropane		< 25	< 50	< 25	< 25	< 25
2-Butanone		< 250	< 500	< 250	< 250	< 250
2-Hexanone		< 250	< 500	< 250	< 250	< 250
4-Methyl-2-pentanone		< 250	< 500	< 250	< 250	< 250
Acetone		< 250	< 500	< 250	< 250	< 250
Benzene		< 3.5	< 7	< 3.5	< 3.5	< 3.5
Bromodichloromethane		< 25	< 50	< 25	< 25	< 25
Bromoform		< 25	< 50	< 25	< 25	< 25
Bromomethane		< 25	< 50	< 25	< 25	< 25
Carbon disulfide		< 250	< 500	< 250	< 250	< 250
Carbon tetrachloride		< 25	< 50	< 25	< 25	< 25
Chlorobenzene		< 25	< 50	< 25	< 25	< 25
Chlorodifluoromethane		< 25	< 50	< 25	< 25	< 25
Chloroethane		< 25	< 50	< 25	< 25	< 25
Chloroform		< 35	< 70	**45**	< 35	< 35
Chloromethane		< 25	< 50	< 25	< 25	< 25
cis-1,2-Dichloroethylene		**96**	**190**	**130**	**30**	< 25
cis-1,3-Dichloropropene		< 25	< 50	< 25	< 25	< 25
Dibromochloromethane		< 25	< 50	< 25	< 25	< 25
Dichlorodifluoromethane		< 25	< 50	< 25	< 25	< 25
Ethylbenzene		< 25	< 50	< 25	< 25	< 25
Freon 113		< 25	< 50	< 25	< 25	< 25
Methylene chloride		< 25	< 50	< 25	< 25	< 25
Styrene		< 25	< 50	< 25	< 25	< 25
Tetrachloroethene		< 25	< 50	< 25	< 25	< 25
Toluene		< 25	< 50	< 25	< 25	< 25
trans-1,2-Dichloroethylene		< 25	< 50	< 25	< 25	< 25
trans-1,3-Dichloropropene		< 25	< 50	< 25	< 25	< 25
Trichloroethene		**480**	**680**	**580**	**560**	**120**
Vinyl Acetate		--	--	--	--	--
Vinyl Choride		< 10	< 20	< 10	< 10	< 10
Xylene-O		< 25	< 50	< 25	< 25	< 25
Xylene-M,P		< 25	< 50	< 25	< 25	< 25
Xylene (total)		--	--	--	--	--
Sum of Constituents		**576**	**870**	**755**	**590**	**120**

Table A-1. Concentrations of Volatile Organic Compounds in Off-Site Vertical Profile Borings,
Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York

	Site ID:	VP-112	VP-112	VP-112
	Sample ID:	VP-112 (660)	VP-112 (680)	VP-112 (700)
CONSTITUENT	Sample Date:	6/14/2007	6/14/2007	6/14/2007
Volatile Organic Compounds				
1,1,1-Trichloroethane		< 5	< 5	< 5
1,1,2,2-Tetrachloroethane		< 5	< 5	< 5
1,1,2-Trichloroethane		< 5	< 5	< 5
1,1-Dichloroethane		< 5	< 5	< 5
1,1-Dichloroethene		< 5	< 5	< 5
1,2-Dichloroethane		< 5	< 5	< 5
1,2-Dichloropropane		< 5	< 5	< 5
2-Butanone		< 50	< 50	< 50
2-Hexanone		< 50	< 50	< 50
4-Methyl-2-pentanone		< 50	< 50	< 50
Acetone		< 50	< 50	< 50
Benzene		< 0.7	< 0.7	< 0.7
Bromodichloromethane		< 5	< 5	< 5
Bromoform		< 5	< 5	< 5
Bromomethane		< 5	< 5	< 5
Carbon disulfide		< 50	< 50	< 50
Carbon tetrachloride		< 5	< 5	< 5
Chlorobenzene		< 5	< 5	< 5
Chlorodifluoromethane		< 5	< 5	< 5
Chloroethane		< 5	< 5	< 5
Chloroform		< 7	< 7	< 7
Chloromethane		< 5	< 5	< 5
cis-1,2-Dichloroethylene		< 5	< 5	< 5
cis-1,3-Dichloropropene		< 5	< 5	< 5
Dibromochloromethane		< 5	< 5	< 5
Dichlorodifluoromethane		< 5	< 5	< 5
Ethylbenzene		< 5	< 5	< 5
Freon 113		< 5	< 5	< 5
Methylene chloride		< 5	< 5	< 5
Styrene		< 5	< 5	< 5
Tetrachloroethene		< 5	< 5	< 5
Toluene		< 5	< 5	< 5
trans-1,2-Dichloroethylene		< 5	< 5	< 5
trans-1,3-Dichloropropene		< 5	< 5	< 5
Trichloroethene		< 5	< 5	< 5
Vinyl Acetate		--	--	--
Vinyl Choride		< 2	< 2	< 2
Xylene-O		< 5	< 5	< 5
Xylene-M,P		< 5	< 5	< 5
Xylene (total)		--	--	--
Sum of Constituents		**0**	**0**	**0**

Table A-2. Concentrations of Perchlorate in Off-Site Groundwater, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample ID	Depth (ft. bls)	Date	Concentration (ug/L)
VP-100	46-51	9/15/2006	<10
VP-100	55-60	9/15/2006	<5
VP-100	75-80	9/14/2006	<4
VP-100	105-110	9/14/2006	<4
VP-100	125-130	9/13/2006	<4
VP-100	145-150	9/13/2006	<4
VP-100	160-165	9/12/2006	<4
VP-100	180-185	9/12/2006	<4
VP-100	190-195	9/12/2006	<4
VP-100	200-205	9/11/2006	<4
VP-100	210-215	9/11/2006	<4
VP-100	220-225	9/11/2006	<4
VP-100	230-235	9/8/2006	<4
VP-100	240-245	9/8/2006	<4
VP-100	250-255	9/7/2006	<4
VP-100	270-275	9/7/2006	<4
VP-100	290-295	9/6/2006	<4
VP-100	310-315	9/6/2006	<4
VP-100	330-335	9/5/2006	**4.3**
VP-100	350-355	9/5/2006	<4
VP-100	371-376	9/1/2006	<4
VP-100	394-399	9/1/2006	**4.7**
VP-101	60	6/27/2006	<10
VP-101	80	6/27/2006	<10
VP-101	100	6/28/2006	<10
VP-101	120	6/28/2006	<10
VP-101	140	6/28/2006	<10
VP-101	167	6/29/2006	<10
VP-101	320	7/6/2006	<10
VP-101	340	7/6/2006	<10
VP-101	360	7/7/2006	**11**
VP-101	387	7/10/2006	**3 J**
VP-101	400	7/10/2006	<10
VP-101	420	7/11/2006	**6.2**
VP-101	440	7/11/2006	<10
VP-101	460	7/11/2006	<10
VP-101	507	7/13/2006	<1
VP-102	45-50	10/13/2006	<5
VP-102	65-70	10/13/2006	**0.68 J**
VP-102	85-90	10/13/2006	**1.2**
VP-102	105-110	10/12/2006	**0.77 J**
VP-102	125-130	10/12/2006	**3.3**
VP-102	135-140	10/11/2006	**1.6**
VP-102	150-155	10/11/2006	**3.4**
VP-102	160-165	10/11/2006	**1.5**
VP-102	170-175	10/10/2006	**1.7**
VP-102	180-185	10/10/2006	<1
VP-102	190-195	10/6/2006	<1
VP-102	200-205	10/6/2006	**0.67 J**
VP-102	220-225	10/5/2006	**0.76 J**
VP-102	240-245	10/5/2006	**0.4 J**
VP-102	250-255	10/4/2006	**0.46 J**
VP-102	260-265	10/4/2006	**1.3**
VP-102	290-295	10/2/2006	**0.65 J**

Footnotes on last page.

Table A-2. Concentrations of Perchlorate in Off-Site Groundwater, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample ID	Depth (ft. bls)	Date	Concentration (ug/L)
VP-102	300-305	9/29/2006	<1
VP-102	310-315	9/29/2006	<1
VP-102	325-330	9/28/2006	<1
VP-102	345-350	9/28/2006	<1
VP-102	365-370	9/27/2006	**0.98 J**
VP-102	370-375	10/3/2006	**0.59 J**
VP-102	380-385	10/3/2006	**0.71 J**
VP-103	60	10/10/2006	<10
VP-103	80	10/10/2006	<10
VP-103	100	10/10/2006	**2.2 J**
VP-103	120	10/10/2006	<20
VP-103	140	10/11/2006	<10
VP-103	165	10/11/2006	<10
VP-103	185	10/11/2006	**0.93 J**
VP-103	200	10/12/2006	<20
VP-103	220	10/12/2006	<20
VP-103	240	10/12/2006	<20
VP-103	260	10/12/2006	<2
VP-103	320	10/16/2006	<2
VP-103	345	10/16/2006	<10
VP-103	360	10/17/2006	<1
VP-103	380	10/17/2006	<1
VP-103	420	10/18/2006	<5
VP-103	440	10/18/2006	<5
VP-103	460	10/18/2006	<10
VP-103	480	10/18/2006	<20
VP-103	500	10/19/2006	<20
VP-103	525	10/19/2006	<10
VP-103	545	10/20/2006	**6.9**
VP-103	560	10/20/2006	<10
VP-103	580	10/23/2006	<10
VP-103	600	10/23/2006	<10
VP-103	620	10/23/2006	<5
VP-103	640	10/24/2006	**3.7 J**
VP-103	660	10/24/2006	**6 J**
VP-104	60	7/28/2006	<4.0
VP-104	80	7/28/2006	<4.0
VP-104	100	7/31/2006	<4.0
VP-104	120	7/31/2006	<4.0
VP-104	140	7/31/2006	<4.0
VP-104	160	7/31/2006	<4.0
VP-104	180	8/1/2006	<4.0
VP-104	200	8/1/2006	<4.0
VP-104	220	8/1/2006	<4.0
VP-104	240	8/1/2006	<4.0
VP-104	260	8/2/2006	<4.0
VP-104	280	8/2/2006	<4.0
VP-104	300	8/2/2006	<4.0
VP-104	320	8/3/2006	<4.0
VP-104	340	8/3/2006	<4.0
VP-104	360	8/3/2006	<4.0
VP-104	380	8/7/2006	<4.0
VP-104	400	8/7/2006	<4.0
VP-104	420	8/7/2006	<4.0
VP-104	460	8/8/2006	<4.0

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Table A-2. Concentrations of Perchlorate in Off-Site Groundwater, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample ID	Depth (ft. bls)	Date	Concentration (ug/L)
VP-104	480	8/8/2006	<4.0
VP-104	500	8/8/2006	<4.0
VP-104	520	8/14/2006	<4.0
VP-104	540	8/14/2006	<4.0
VP-104	560	8/14/2006	<4.0
VP-104	740	8/22/2006	<4.0
VP-104	820	8/24/2006	<4
VP-104	840	8/24/2006	<4
VP-104	860	8/25/2006	<4
VP-104	880	8/25/2006	<4
VP-105	45-50	8/2/2006	<4.0
VP-105	55-60	8/2/2006	<4.0
VP-105	65-70	8/2/2006	<4.0
VP-105	75-80	8/2/2006	<4.0
VP-105	85-90	8/1/2006	<4.0
VP-105	95-100	8/1/2006	<4.0
VP-105	102-107	8/1/2006	<4.0
VP-105	115-120	7/31/2006	<4.0
VP-105	125-130	7/31/2006	<4.0
VP-105	135-140	7/31/2006	<4.0
VP-105	145-150	7/28/2006	<4.0
VP-105	155-160	7/28/2006	<4.0
VP-105	165-170	7/28/2006	<4.0
VP-107	45-50	7/25/2006	<4.0
VP-107	55-60	7/25/2006	<4.0
VP-107	65-70	7/25/2006	<4.0
VP-107	75-80	7/25/2006	<4.0
VP-107	85-90	7/25/2006	<4.0
VP-107	95-100	7/21/2006	<4.0
VP-107	105-110	7/21/2006	<4.0
VP-107	119-124	7/21/2006	<4.0
VP-107	135-140	7/20/2006	<4.0
VP-107	148-153	7/20/2006	<4.0
VP-107	165-170	7/20/2006	<4.0
VP-108	45-50	7/13/2006	**<1**
VP-108	55-60	7/13/2006	**1.6**
VP-108	65-70	7/13/2006	**1.7**
VP-108	75-80	7/13/2006	**1.2**
VP-108	85-90	7/13/2006	**1.2**
VP-108	95-100	7/13/2006	**1.2**
VP-108	105-110	7/13/2006	**1.3**
VP-108	115-120	7/13/2006	**1.4**
VP-108	125-130	7/13/2006	**1.6**
VP-108	135-140	7/13/2006	**1.3**
VP-108	145-150	7/13/2006	**1.3**
VP-109	44-49	2/5/2007	**9.4**
VP-109	55-60	2/5/2007	**0.79 J**
VP-109	65-70	2/5/2007	**1**
VP-109	75-80	2/5/2007	**1.1**
VP-109	85-90	2/2/2007	**1.1**
VP-109	95-100	2/2/2007	**0.43 J**
VP-109	105-110	2/2/2007	**0.84 J**
VP-109	115-120	2/1/2007	**0.4 J**
VP-109	125-130	2/1/2007	<1
VP-109	135-140	1/31/2007	**0.68 J**

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Table A-2. Concentrations of Perchlorate in Off-Site Groundwater, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample ID	Depth (ft. bls)	Date	Concentration (ug/L)
VP-109	145-150	1/31/2007	**0.36 J**
VP-109	155-160	1/31/2007	**0.5 J**
VP-109	165-170	1/30/2007	**0.77 J**
VP-109	175-180	1/30/2007	**0.51 J**
VP-109	185-190	1/30/2007	**0.62 J**
VP-109	195-200	1/29/2007	**0.85 J**
VP-109	205-210	1/29/2007	**0.38 J**
VP-109	215-220	1/26/2007	<1
VP-109	225-230	1/25/2007	<1
VP-109	235-240	1/25/2007	<1
VP-109	247-252	1/24/2007	**0.57 J**
VP-109	255-260	1/24/2007	**0.73 J**
VP-109	265-270	1/23/2007	<2
VP-109	275-280	1/23/2007	<2
VP-109	288-293	1/22/2007	<1
VP-110	40-45	2/22/2007	<1
VP-110	50-55	2/22/2007	<1
VP-110	60-65	2/21/2007	<1
VP-110	70-75	2/21/2007	<1
VP-110	80-85	2/21/2007	<1
VP-110	90-95	2/21/2007	<1
VP-110	100-105	2/21/2007	<1
VP-110	110-115	2/20/2007	**0.69 J**
VP-110	120-125	2/20/2007	**0.95 J**
VP-110	140-145	2/20/2007	**0.59 J**
VP-110	150-155	2/20/2007	**1.3**
VP-110	160-165	2/20/2007	**1.2**
VP-110	170-175	2/16/2007	**1.4**
VP-110	180-185	2/16/2007	**0.78 J**
VP-110	190-195	2/16/2007	**0.71 J**
VP-110	200-205	2/13/2007	**0.91 J**
VP-110	210-215	2/13/2007	**1**
VP-110	220-225	2/13/2007	**1**
VP-110	230-235	2/9/2007	**1.6**
VP-110	240-245	2/9/2007	**1.9**
VP-110	250-255	2/7/2007	**2.5**
VP-110	260-265	2/7/2007	**2.2**
VP-110	270-275	2/7/2007	**1.7**
VP-110	283-288	2/6/2007	**1.4**
VP-110	295-300	2/6/2007	**0.97 J**
VP-110	315-320	2/6/2007	**1.6**
VP-110	325-330	2/5/2007	**1.3**
VP-110	333-338	2/5/2007	**3.9**
VP-110	344-349	2/1/2007	**3**

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Table A-2. Concentrations of Perchlorate in Off-Site Groundwater, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample ID	Depth (ft. bls)	Date	Concentration (ug/L)
VP-110	352-357	2/1/2007	**1.6**
VP-110	362-367	1/31/2007	**2.9**
VP-110	372-377	1/31/2007	**1.3**
VP-110	382-387	1/30/2007	**1.4**
VP-111	51	4/17/2007	**0.84**
VP-111	71	4/17/2007	**1.7**
VP-111	91	4/17/2007	**1.1**
VP-111	111	4/17/2007	**1.3**
VP-111	131	4/18/2007	**2.1**
VP-111	151	4/18/2007	**2**
VP-111	171	4/18/2007	**1.9**
VP-111	191	4/19/2007	**1.9**
VP-111	211	4/19/2007	**1.4**
VP-111	231	4/19/2007	**1.5**
VP-111	251	4/19/2007	**1.1**
VP-111	271	4/20/2007	**1.1**
VP-111	291	4/20/2007	**0.9**
VP-111	311	4/20/2007	**2**
VP-111	331	4/20/2007	**2.4**
VP-111	351	4/23/2007	**2.4**
VP-111	371	4/23/2007	**2.6**
VP-111	391	4/24/2007	**1.8**
VP-111	411	4/24/2007	**2.2**
VP-111	431	4/24/2007	**3.6**
VP-111	451	4/24/2007	**1.8**
VP-111	471	4/25/2007	**1.4**
VP-111	491	4/25/2007	**4.1**
VP-111	511	4/25/2007	**4.8**
VP-111	571	4/27/2007	**4.1**
VP-111	591	4/27/2007	**2.6**
VP-111	616	4/30/2007	**2**
VP-111	631	5/1/2007	< 0.20
VP-112	60	5/23/2007	**0.48**
VP-112	80	5/23/2007	**3**
VP-112	100	5/23/2007	**0.93**
VP-112	120	5/24/2007	**3.7**
VP-112	140	5/24/2007	**0.86**
VP-112	165	5/24/2007	**1.1**
VP-112	185	5/30/2007	**1.2**
VP-112	200	5/30/2007	**2.6**
VP-112	220	5/31/2007	**3.4**
VP-112	240	5/31/2007	**3.5**
VP-112	260	5/31/2007	**3.3**
VP-112	280	5/31/2007	**0.93**
VP-112	300	6/1/2007	**0.75**
VP-112	320	6/1/2007	**0.73**
VP-112	340	6/1/2007	**0.78**
VP-112	360	6/4/2007	**0.98**
VP-112	380	6/4/2007	**0.74**
VP-112	410	6/5/2007	**0.76**
VP-112	420	6/6/2007	**0.91**
VP-112	440	6/6/2007	**0.78**
VP-112	470	6/7/2007	**1.7**
VP-112	480	6/7/2007	**1.2**

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Table A-2. Concentrations of Perchlorate in Off-Site Groundwater, Northrop Grumman Systems Corporation, Operable Unit 3 (Former Grumman Settling Ponds), Bethpage, New York.

Sample ID	Depth (ft. bls)	Date	Concentration (ug/L)
VP-112	500	6/7/2007	**1.5**
VP-112	520	6/7/2007	**1.9**
VP-112	545	6/8/2007	**3.8**
VP-112	560	6/8/2007	**3**
VP-112	580	6/8/2007	**5.3**
VP-112	600	6/11/2007	**5.2**
VP-112	620	6/13/2007	**1.9**
VP-112	660	6/14/2007	**0.9**
VP-112	680	6/14/2007	**0.2**
VP-112	700	6/14/2007	< 0.20

Notes:

1. Results validated following protocols specified in March 2006 RI/FS Work Plan (ARCADIS G&M, Inc. 2006).
2. Samples analyzed for perchlorate using USEPA Method 314.0

Bold value indicates detection.

ug/l	Microgram per Liter
J	Estimated Value
ft. bls	feet below land surface

TABLE 3.2.1. SOIL BORING LOCATION DEVIATIONS FROM PROPOSED WORK PLAN

Boring Location	Approximate Deviation	Reason for Deviation
B5	Moved 8.5 ft West	Tree obstruction
D11	Moved 5 ft North	Concrete
E11	Moved 16 feet West	Skating Rink
E12	Eliminated	Skating Rink
E13	Moved 6 feet East	Concrete
F5	Moved 3 feet East	Subsurface Utility/Anomaly
F8	Moved 2 feet West	Subsurface Utility/Anomaly
F11	Moved 8 feet East	Concrete Support Column
F12	Eliminated	Skating Rink
F13	Moved 10 feet East	Skating Rink
G5	Moved 3 feet East	Subsurface Utility/Anomaly
G6	Moved 5.75 feet Northwest	Subsurface Utility/Anomaly
G11	Moved 22 feet Southeast	Building Structure
G12	Eliminated	Skating Rink
313	Eliminated	Skating Rink
G14	Added. Placed 12 feet West of Row 14-line transect.	Boring Location added due to elimination of G12 and G13
H4	Moved 6 feet South	Subsurface Utility/Anomaly
H5	Moved 9 feet Southeast	Subsurface Utility/Anomaly
H6	Moved 6 feet South	Subsurface Utility/Anomaly
H7	Moved 7.5 feet Southeast	Subsurface Utility/Anomaly
H8	Moved 5.5 feet South	Subsurface Utility/Anomaly
H9	Moved 11.5 feet South	Subsurface Utility/Anomaly
H11	Eliminated	Building Structure
I8	Moved 2.5 feet Southeast	Subsurface Utility/Anomaly
I10	Moved 14 feet West	Veteran's Memorial
J3	Moved 6 feet East	Structure Interference
J8	Moved 1 foot Northeast	Subsurface Utility/Anomaly
K9	Moved 2 feet South	Subsurface Utility/Anomaly

TABLE 4.2.1. PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring A-1				Boring A-2				Boring A-3			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)							
Aroclor 1016		U	U	U	U	U	U	U	U	UXJ	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U	UXJ	U	U	U
Aroclor 1242		U	U	U	U	49	U	U	U	82	U	U	U
Aroclor 1248		U	U	U	U	U	U	U	U	UXJ	U	U	U
Aroclor 1254		26 PJ	U	U	U	66	U	U	U	43 PJ	U	U	U
Aroclor 1260		27 PJ	U	U	U	72 PJ	U	U	U	39	U	U	U
Total	1000/10000	53				187				164			

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D – Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring A-4				Boring A-5				Boring A-6			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)				(µg/kg)			
Aroclor 1016		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		39	U	U	U	24 J	U	58	21 J	65	21 J	U	28 J
Aroclor 1248		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1254		U	U	U	U	20 PJ	U	45 ZJ	U	66 PZJ	U	U	26 PJ
Aroclor 1260		U	U	U	U	U	U	U	U	28 PJ	U	U	U
Total	1000/10000	39				44		103	21	159	21		54

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D – Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring A-7				Boring A-8				Boring A-9			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)				(µg/kg)			
Aroclor 1016		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		U	U	U	U	U	U	U	U	110	U	36 PJ	U
Aroclor 1248		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1254		U	U	U	U	27 PJ	U	U	U	86 PZJ	U	40 PJ	U
Aroclor 1260		U	U	U	U	U	U	U	U	43	U	32 J	U
Total	1000/10000					27				239		108	

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring A-10				Boring A-11			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)			
Aroclor 1016		U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U
Aroclor 1242		U	U	U	U	U	U	U	U
Aroclor 1248		U	U	U	U	U	U	U	U
Aroclor 1254		U	U	U	U	U	U	U	U
Aroclor 1260		U	U	U	U	U	U	U	U
Total	1000/10000								

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring B-1								Boring B-2			
		0-2	2-4	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)								(µg/kg)			
Aroclor 1016		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		U	U	U	U	U	U	U	U	18 J	U	U	53
Aroclor 1248		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1254		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1260		U	U	U	U	U	U	U	U	U	U	U	U
Total	1000/10000									18			53

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring B-3									Boring B-4			
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)									(µg/kg)			
Aroclor 1016		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1248		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1254		U	U	U	U	U	U	U	U	U	35 J	U	U	U
Aroclor 1260		U	U	U	U	22 J	U	U	U	U	U	U	U	U
Total	1000/10000					22					35			

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring B-5									Boring B-6			
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)									(µg/kg)			
Aroclor 1016		UXJ	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		220	29 J	U	U	U	U	U	U	U	53	U	U	17 J
Aroclor 1248		UXJ	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1254		260	38 PJ	U	U	U	U	U	U	U	34 PJZ	U	18 PJ	20 PJ
Aroclor 1260		64	22 J	U	U	U	U	U	U	U	U	U	U	U
Total	1000/10000	544	89								87		18	37

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring B-7							Boring B-8			
		0-2	2-4	8-10	18-20	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)							(µg/kg)			
Aroclor 1016		U	U	U	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1242		U	U	U	U	U	U	U	130	180	84	110
Aroclor 1248		U	U	U	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1254		U	U	U	U	U	U	U	90 ZJ	73 ZJ	70 ZJ	100 ZJ
Aroclor 1260		U	U	U	U	U	U	U	30 PJ	24 J	22 J	22 J
Total	1000/10000								250	277	176	232

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring B-9									Boring B-10			
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)									(µg/kg)			
Aroclor 1016		U	UXJ	UXJ	UXJ	U	U	U	U	U	UXJ	U	UXJ	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	UXJ	UXJ	UXJ	U	U	U	U	U	UXJ	U	UXJ	UXJ
Aroclor 1242		62	1500 D	330	330	U	U	U	U	U	9800 D	51	760 D	1300 D
Aroclor 1248		U	UXJ	UXJ	UXJ	U	U	U	U	U	UXJ	U	UXJ	UXJ
Aroclor 1254		33 J	UXJ	U	U	U	U	U	U	U	UXJ	U	180 ZJ	250 ZJ
Aroclor 1260		20 J	32 J	U	U	U	U	U	U	U	UXJ	22 PJ	42	UXJ
Total	1000/10000	115	1532	330	330						9800	27	982	1550

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring B-11							
		0-2	2-4	8-10	20-23	28-30	38-40	48-50	58-60
	(µg/kg)	(µg/kg)							
Aroclor 1016		UXJ	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	U	U	U	U	U	U
Aroclor 1242		120	U	U	U	U	U	U	U
Aroclor 1248		UXJ	U	U	U	U	U	U	U
Aroclor 1254		49 ZJ	U	U	U	U	U	U	U
Aroclor 1260		U	U	U	U	U	U	U	U
Total	1000/10000	169							

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring C-1				Boring C-2				Boring C-3			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)				(µg/kg)			
Aroclor 1016		U	U	U	U	UXJ	U	UXJ	U	UXJ	UXJ	UXJ	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	UXJ	U	UXJ	U	UXJ	UXJ	UXJ	U
Aroclor 1242		27 J	31 J	41	U	180	U	170	65	970 D	1900 D	1000 D	U
Aroclor 1248		U	U	U	U	UXJ	U	UXJ	U	UXJ	UXJ	UXJ	U
Aroclor 1254		86	31 J	39	U	130 ZJ	U	79 ZJ	32 J	660 DZJ	UXJ	520 ZJ	U
Aroclor 1260		49	U	61	U	36 J	U	25 J	U	130	59	110	U
Total	1000/10000	164	62	141		346		274	97	1760	1959	1630	

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046; Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring C-4				Boring C-5				Boring C-6			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)				(µg/kg)			
Aroclor 1016		UXJ	UXJ	U	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	U	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ
Aroclor 1242		450	1400	10000 D	470	120	220 PJ	300 PJ	1800 D	140	220	180	210
Aroclor 1248		UXJ	UXJ	U	UXJ	U	UJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ
Aroclor 1254		440	1400	U	U	120 PZJ	430 ZJ	520J	UXJ	160 ZJ	260 ZJ	120 ZJ	80 ZJ
Aroclor 1260		83	130	150	24 PJ	30 J	57	62	61	49	46	26 J	U
Total	1000/10000	973	2930	10150	494	270	707	882	1861	349	526	326	290

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring C-7				Boring C-8				Boring C-9			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)				(µg/kg)			
Aroclor 1016		UX	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U	U
Aroclor 1242		160	430	490	1100 D	490	140	440	96	1600 D	370	U	U
Aroclor 1248		UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U	U
Aroclor 1254		220 PJ	150 ZJ	250 ZJ	460 ZJ	150 ZJ	110 ZJ	220 ZJ	U	UXJ	U	U	U
Aroclor 1260		54	27 J	40	68	50	46	29 J	U	UXJ	U	U	U
Total	1000/10000	434	607	780	1628	690	296	689	96	1600	370		

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring C-10				Boring C-11				Boring C-12			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)				(µg/kg)			
Aroclor 1016		UXJ	UXJ	U	UXJ	UXJ	U	U	U	UXJ	UXJ	U	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	U	UXJ	UXJ	U	U	U	UXJ	UXJ	U	UXJ
Aroclor 1242		230	110	38	190	370	U	61	34 U	5100 D	2200 D	550	190 PJ
Aroclor 1248		UXJ	UXJ	U	UXJ	UXJ	U	U	U	UXJ	UXJ	U	UXJ
Aroclor 1254		67 ZJ	85 ZJ	30 J	U	U	U	U	U	1600 DZJ	UXJ	U	U
Aroclor 1260		U	U	U	U	U	U	U	U	180	73	25 PJ	U
Total	1000/10000	297	195	68	190	370		61	34	6880	2273	575	190

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring D-1									Boring D-2			
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)									(µg/kg)			
Aroclor 1016		UXJ	U	U	U	U	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	U	U	U	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1242		140	U	42	39	U	U	U	U	U	95	460	460	130
Aroclor 1248		35 UXJ	U	34 U	34 U	U	U	U	U	U	34 UXJ	34 UXJ	35 UXJ	35 UXJ
Aroclor 1254		130 ZJ	32 J	28 JZ	29 JZ	U	21 J	U	U	U	230	150 ZJ	35 UXJ	95 ZJ
Aroclor 1260		28 J	35 U	34 U	34 U	U	U	U	U	U	56	73	46	33 J
Total	1000/10000	333	67	138	136		21				415	717	596	293

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring D-3									Boring D-4			
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)									(µg/kg)			
Aroclor 1016		UXJ	UXJ	UXJ	U	U	UXJ	UXJ	U	UXJ	UXJ	UXJ	UXJ	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	UXJ	U	U	UXJ	UXJ	U	UXJ	UXJ	UXJ	UXJ	UXJ
Aroclor 1242		230	350	1300	53	34 U	230	330	35 U	79	200	310	3700 D	5900 D
Aroclor 1248		UXJ	UXJ	UXJ	U	U	UXJ	UXJ	U	UXJ	UXJ	UXJ	UXJ	UXJ
Aroclor 1254		160 ZJ	440 ZJ	UXJ	U	U	U	UXJ	U	36 JZ	200 ZJ	140 ZJ	UXJ	UXJ
Aroclor 1260		44	67	89	38	34 U	34 U	25 J	U	U	48	26 J	67	100
Total	1000/10000	434	857	1389	91	68	264	355	35	115	448	476	3767	6000

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring D-5									Boring D-6			
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)									(µg/kg)			
Aroclor 1016		UXJ	UXJ	UXJ	UXJ	U	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	UXJ	UXJ	U	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1242		160	150	47	730	U	U	U	U	U	890 D	280	220	720 D
Aroclor 1248		UXJ	UXJ	UXJ	UXJ	U	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1254		130	150	33 J	UXJ	U	U	U	U	U	390 PZJ	1100 D	290 PZJ	620 DZJ
Aroclor 1260		36 J	42	U	41	U	U	U	U	U	71	130	51 PJ	79
Total	1000/10000	326	342	80	771						1351	1510	561	1419

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring D-7								Boring D-8			
		0-2	2-4	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)								(µg/kg)			
Aroclor 1016		UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U	U	UXJ	UXJ	UXJ	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U	U	UXJ	UXJ	UXJ	U
Aroclor 1242		830 D	1100 D	520	210	200	160	U	U	170	2000 D	2100 D	U
Aroclor 1248		UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U	U	UXJ	UXJ	UXJ	U
Aroclor 1254		170 ZJ	180 ZJ	UXJ	UXJ	48 ZJ	U	U	U	290	UXJ	UXJ	U
Aroclor 1260		34 J	40	21 J	27 J	36 U	U	U	U	58	42	110	U
Total	1000/10000	1034	1320	541	237	284	160			518	2042	2210	

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring D-9										Boring D10			
		0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)										(µg/kg)			
Aroclor 1016		UXJ	UXJ	U	U	U	U	U	U	U	U	U	UXJ	UXJ	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	U	U	U	U	U	U	U	U	U	UXJ	UXJ	U
Aroclor 1242		400	340	U	U	U	U	U	U	U	U	66	81	88	20 J
Aroclor 1248		UXJ	UXJ	U	U	U	U	U	U	U	U	U	UXJ	UXJ	U
Aroclor 1254		69 ZJ	UXJ	U	U	U	U	U	U	U	U	48	39 ZJ	27 JZ	U
Aroclor 1260		21 J	U	U	U	U	U	U	U	U	U	U	U	U	U
Total	1000/10000	490	34									114	120	115	20

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring D-11									Boring D-12			
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)									(µg/kg)			
Aroclor 1016		UXJ	U	UXJ	U	U	U	U	U	U	UXJ	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	UXJ	U	U	U	U	U	U	UXJ	U	U	U
Aroclor 1242		350	33 J	84	U	U	U	U	U	U	93	U	U	U
Aroclor 1248		UXJ	U	UXJ	U	U	U	U	U	U	UXJ	U	U	U
Aroclor 1254		110 ZJ	U	UXJ	U	U	U	U	U	U	61 ZJ	U	20 J	U
Aroclor 1260		30 J	U	U	U	U	U	U	U	U	U	U	U	U
Total	1000/10000	490	33	84							154		20	

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring E-1				Boring E-2				Boring E-3			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)				(µg/kg)			
Aroclor 1016		UXJ	U	UXJ	U	UXJ	UXJ	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	UXJ	U	UXJ	UXJ	U	U	UXJ	UXJ	UXJ	U
Aroclor 1242		760 D	U	83	31 J	480	600 E	49 PJ	U	770 D	1100 D	940 D	840 D
Aroclor 1248		UXJ	U	UXJ	U	UXJ	UXJ	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1254		430 JZ	U	45 JZ	U	260 ZJ	280 ZJ	66 ZJ	U	530	740 DZJ	480	UXJ
Aroclor 1260		89	U		U	77	66	57	U	80	95	73	51
Total	1000/10000	1279		128		817	926	172		1380	1935	1493	891

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring E-4				Boring E-5				Boring E-6			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)				(µg/kg)			
Aroclor 1016		U	UX	U	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	UX	U	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U
Aroclor 1242		280	990 D	360	510	510	7100 D	950 D	1300 D	4600 D	2200 D	180	30 J
Aroclor 1248		U	UX	U	U	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U
Aroclor 1254		290 ZJ	520 ZJ	140	510 ZJ	300 ZJ	UXJ	UXJ	UXJ	UXJ	UXJ	U	U
Aroclor 1260		43	49	26 J	48 PJ	86 PJ	110	34 J	54	150	43	U	U
Total	1000/10000	613	1559	526	1088	896	7210	984	1354	4750	2243	180	30

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring E-7				Boring E-8					Boring E-9				
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	6-8	8-10	0-2	2-4	4-6	6-8	8-10
	(µg/kg)	(µg/kg)				(µg/kg)					(µg/kg)				
Aroclor 1016		UXJ	U	UXJ	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	UXJ	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		460	U	1200 D	U	U	U	U	U	U	45	U	U	U	18 PJ
Aroclor 1248		UXJ	U	UXJ	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1254		UXJ	U	UXJ	U	U	U	U	U	U	49	U	U	U	36
Aroclor 1260		U	U	27 J	U	U	U	U	U	U	U	U	U	U	22 J
Total	1000/10000	460		1227							94				76

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring E-10			Boring E-11				Boring E-13			
		0-2	2-4	4-6	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)			(µg/kg)				(µg/kg)			
Aroclor 1016		UXJ	U	U	UXJ	U	U	U	UXJ	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	U	UXJ	U	U	U	UXJ	U	U	U
Aroclor 1242		95	U	32 J	78	U	U	23 J	35	U	U	U
Aroclor 1248		UXJ	U	U	UXJ	U	U	U	UXJ	U	U	U
Aroclor 1254		93	U	56	43 JZ	30 J	U	U	65	37 PJ	25 J	20 J
Aroclor 1260		52	U	32 J	U	U	U	U	25 J	33 J	24 J	U
Total	1000/10000	240		120	121	30		23	125	70	49	20

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring F-1										Boring F-2			
		0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)										(µg/kg)			
Aroclor 1016		UXJ	UXJ	U	U	U	UXJ	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	U	U	U	UXJ	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1242		360	230	U	U	62	3200 D	U	U	U	U	500	280	280	120
Aroclor 1248		UXJ	UXJ	U	U	U	U	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1254		1000 D	130 JZ	46	U	94	770 DJZ	U	U	U	U	250 PJZ	310 PJZ	140 JZ	93 JZ
Aroclor 1260		110 PJ	30 J	U	U	U	140	U	U	U	U	76	66	26 J	24 J
Total	1000/10000	1470	390	46		156	4100					826	656	446	237

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring F-3									Boring F-4			
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)									(µg/kg)			
Aroclor 1016		UXJ	UXJ	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		320	230	47	18 J	U	U	U	U	U	29 J	U	U	U
Aroclor 1248		UXJ	UXJ	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1254		190 JZ	110 PJZ	25 JZ	U	U	U	U	U	U	U	U	U	U
Aroclor 1260		36	26 J	U	U	U	U	U	U	U	23 J	U	U	U
Total	1000/10000	546	366	72	18						52			

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring F-5									Boring F-6			
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(ug/kg)	(µg/kg)									(µg/kg)			
Aroclor 1016		U	U	U	U	UXJ	U	U	U	U	UXJ	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	UXJ	U	U	U	U	UXJ	U	U	U
Aroclor 1242		31 J	U	22 J	U	46	U	U	U	U	70	U	U	U
Aroclor 1248		U	U	U	U	UXJ	U	U	U	U	UXJ	U	U	U
Aroclor 1254		22 PJ	U	31 J	U	U	U	U	U	U	U	U	U	U
Aroclor 1260		U	U	U	U	U	U	U	U	U	U	U	U	U
Total	1000/10000	53		53		46					70			

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring F-7								Boring F-8			
		0-2	2-4	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(ug/kg)	(µg/kg)								(µg/kg)			
Aroclor 1016		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		22 J	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1248		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1254		20 J	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1260		19 J	U	U	U	U	U	U	U	U	U	U	U
Total	1000/10000	61											

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring F-9										Boring F-10			
		0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)										(µg/kg)			
Aroclor 1016		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1248		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1254		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1260		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total	1000/10000														

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring F-11								
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
	(µg/kg)	(µg/kg)								
Aroclor 1016		UXJ	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	U	U	U	U	U	U	U
Aroclor 1242		98	U	U	U	U	U	U	U	U
Aroclor 1248		UXJ	U	U	U	U	U	U	U	U
Aroclor 1254		420	310	26 J	U	U	U	U	U	22 J
Aroclor 1260		33 J	38	U	U	U	U	U	U	U
Total	1000/10000	551	348	26						22

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring F-13								
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
	(µg/kg)	(µg/kg)								
Aroclor 1016		U	UXJ	UXJ	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U
Aroclor 1232		U	UXJ	UXJ	U	U	U	U	U	U
Aroclor 1242		36	150	44	22 J	U	U	U	U	U
Aroclor 1248		U	UXJ	UXJ	U	U	U	U	U	U
Aroclor 1254		43	64 PJZ	31 PJZ	24 PJ	U	U	U	U	U
Aroclor 1260		U	26 PJ	U	U	U	U	U	U	U
Total	1000/10000	19	240	75	46					

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring G-1					Boring G-2			
		0-2	2-4	4-6	6-8	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)					(µg/kg)			
Aroclor 1016		U	U	UXJ	U	U	UXJ	UXJ	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	UXJ	U	U	UXJ	UXJ	U	U
Aroclor 1242		31 J	47	69	U	20 J	150	120	47	44
Aroclor 1248		U	U	UXJ	U	U	UXJ	UXJ	U	U
Aroclor 1254		U	U	41 ZJ	U	U	77 JZ	80 JZ	29 JZ	29 JZ
Aroclor 1260		U	U	U	U	U	25 J	50	U	U
Total	1000/10000	31	47	110		20	252	250	76	73

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring G-3									Boring G-4				
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10	12-14
	(µg/kg)	(µg/kg)									(µg/kg)				
Aroclor 1016		UXJ	U	UXJ	UXJ	UXJ	U	U	U	U	UXJ	U	UXJ	UXJ	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	UXJ	UXJ	UXJ	U	U	U	U	UXJ	U	UXJ	UXJ	UXJ
Aroclor 1242		920 D	46	160	110	140	50	U	U	U	1200 D	43 J	380 JNP	570	4400 D
Aroclor 1248		UXJ	U	UXJ	UXJ	UXJ	U	U	U	U	UXJ	U	UXJ	UXJ	UXJ
Aroclor 1254		180 PJZ	U	120 PJZ	830 D	270	100	U	U	U	220 ZJ	37 J	290 PZJ	1800 D	UXJ
Aroclor 1260		58 PJ	U	26 J	77	50 PJ	21 J	U	U	U	34		200	150	UXJ
Total	1000/10000	1158	46	306	1017	460	171				1454	80	870	2520	4400

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
NP – Greater than 70% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring G-5				Boring G-6			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)			
Aroclor 1016		UXJ	U	U	U	U	UXJ	UXJ	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	U	U	U	UXJ	U	UXJ
Aroclor 1242		230	U	19 J	35 U	U	170J	37 PJ	140 PJ
Aroclor 1248		UXJ	U	U	U	U	UXJ	U	UXJ
Aroclor 1254		UXJ	35	19 J	44	U	330 J	270	210 J
Aroclor 1260		20 J	18 J	18 J	U	U	170 PJY	32 PJ	87 JY
Total	1000/10000	250	53	56	79		670	339	437

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring G-7				Boring G-8				Boring G-9				
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	6-8	8-10
	(µg/kg)	(µg/kg)				(µg/kg)				(µg/kg)				
Aroclor 1016		U	U	U	UX	UXJ	UXJ	UXJ	UXJ	UXJ	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	UX	UXJ	UXJ	UXJ	UXJ	UXJ	U	U	U	U
Aroclor 1242		20 J	32 J	38	260000 D	950 D	4900 D	980 D	950 D	110	U	65	U	U
Aroclor 1248		U	U	U	UX	UXJ	UXJ	UXJ	UXJ	UXJ	U	U	U	U
Aroclor 1254		22 J	160	150 PJ	270000 D	950 D	4800 DZJ	880 DZJ	900 DZJ	190	U	98	U	U
Aroclor 1260		U	38	57	20000 DJ	84	340	120	120 P	24 J	U	U	U	U
Total	1000/10000	44	230	245	550000	1984	10040	1980	1970	324		163		

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring G-10				Boring G-11				Boring G-14			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)				(µg/kg)			
Aroclor 1016		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		35 PJ	U	U	U	U	U	U	U	37	U	U	U
Aroclor 1248		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1254		150	U	U	U	U	U	U	U	38	20 J	U	U
Aroclor 1260		270	U	U	80	U	U	U	U	U	20 J	U	U
Total	1000/10000	455			80					75	40		

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring H-1										Boring H-2			
		0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)										(µg/kg)			
Aroclor 1016		UXJ	U	UXJ	UXJ	U	U	U	U	U	U	UXJ	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	UXJ	UXJ	U	U	U	U	U	U	UXJ	U	U	U
Aroclor 1242		210	34 U	160	140	U	U	U	U	U	U	9400 D	U	U	37
Aroclor 1248		UXJ	U	UXJ	UXJ	U	U	U	U	U	U	UXJ	U	U	U
Aroclor 1254		79 ZJ	19 J	UXJ	U	U	U	U	U	U	U	2500 DJZ	U	U	U
Aroclor 1260		34 J	U	U	U	U	U	U	U	U	U	UXJ	U	U	U
Total	1000/10000	323	53	160	140							11900			37

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring H-3									Boring H-4			
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)									(µg/kg)			
Aroclor 1016		UXJ	U	U	U	U	U	U	U	U	UXJ	UXJ	U	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	U	U	U	U	U	U	U	UXJ	UXJ	U	UXJ
Aroclor 1242		960 D	30 J	18 J	20 J	U	U	U	U	U	3400 D	1500 D	58	2000 D
Aroclor 1248		UXJ	U	U	U	U	U	U	U	U	UXJ	UXJ	U	UXJ
Aroclor 1254		260 JZ	U	U	U	U	U	U	U	U	2800 DJZ	1000 DJZ	56 JZ	1700 DJZ
Aroclor 1260		69	U	U	U	U	U	U	U	U	280	88	U	150 PJ
Total	1000/10000	1289	30	18	20						6480	2588	114	3850

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring H-5									Boring H-6			
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)									(µg/kg)			
Aroclor 1016		UXJ	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		98	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1248		UXJ	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1254		35	U	U	U	U	U	U	25 J	U	U	U	U	U
Aroclor 1260		U	U	U	U	U	U	U	U	U	U	U	U	U
Total	1000/10000	131							25					

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring H-7										Boring H-8			
		0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)										(µg/kg)			
Aroclor 1016		UXJ	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		100 PJ	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1248		UXJ	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1254		45 JZ	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1260		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total	1000/10000	145													

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring H-9									
		0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60
	(µg/kg)	(µg/kg)									
Aroclor 1016		UXJ	U	UXJ	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	UXJ	U	U	U	U	U	U	U
Aroclor 1242		170	U	150	18 J	U	19 J	U	U	U	U
Aroclor 1248		UXJ	U	UXJ	U	U	U	U	U	U	U
Aroclor 1254		82 ZJ	U	72 ZJ	U	U	U	U	U	U	U
Aroclor 1260		U	U	U	U	U	U	U	U	U	U
Total	1000/10000	252		222	18		19				

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring H-10									Boring H-12			
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)									(µg/kg)			
Aroclor 1016		U	U	U	U	U	U	U	UXJ	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	UXJ	U	U	U	U	U
Aroclor 1242		49 PJ	39	U	U	U	U	U	150	U	U	U	U	U
Aroclor 1248		U	U	U	U	U	U	U	UXJ	U	U	U	U	U
Aroclor 1254		43 JZ	41	U	U	U	U	U	UJ	U	510	140	U	240
Aroclor 1260		U	36	U	U	U	U	U	U	U	60	U	U	21 JP
Total	1000/10000	92	116						150		570	140		261

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring H-13								Boring H-14				
		0-2	2-4	4-6	6-8	8-10	18-20	38-40	58-60	0-2	2-4	4-6	6-8	8-10
	(µg/kg)	(µg/kg)								(µg/kg)				
Aroclor 1016		U	U	U	U	U	U	U	U	UXJ	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U	UXJ	U	U	U	U
Aroclor 1242		U	U	U	U	U	U	U	U	100	U	27 J	U	U
Aroclor 1248		U	U	U	U	U	U	U	U	UXJ	U	U	U	U
Aroclor 1254		22 J	25 J	36	U	36	U	U	U	770	66 P	150 P	U	66
Aroclor 1260		U	18 J	18 J	U	U	U	U	U	140	27 J	60	U	21 J
Total	1000/10000	22	43	54		36				1010	93	237		87

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring I-1						Boring I-2				Boring I-3			
		0-2	2-4	4-6	6-8	8-10	18-20	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)						(µg/kg)				(µg/kg)			
Aroclor 1016		UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U	UXJ	UX	UXJ	UXJ	UXJ	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U	UXJ	UX	UXJ	UXJ	UXJ	U
Aroclor 1242		550	750 D	6700 D	90000 D	19000 D	69000 D	580	19000 D	94000 D	31000 D	710 D	5200 D	770 D	19 J
Aroclor 1248		UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U	UXJ	UX	UXJ	UXJ	UXJ	U
Aroclor 1254		250 PJZ	330 JZ	UXJ	UXJ	UXJ	UXJ	450 JZ	U	UXJ	UX	250 JZ	UXJ	350 JZ	U
Aroclor 1260		75	51	UXJ	UXJ	UXJ	UXJ	130	U	UX	UX	58	UXJ	160	U
Total	1000/10000	875	1131	6700	90000	19000	69000	1160	19000	94000	31000	1018	5200	1280	19

New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring I-4				Boring I-5				Boring I-6			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)				(µg/kg)			
Aroclor 1016		UXJ	U	U	UXJ	UXJ	U	UXJ	U	UXJ	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	U	UXJ	UXJ	U	UXJ	U	UXJ	U	U	U
Aroclor 1242		16000 D	21 J	35 U	2300 D	260	34 U	110	36 U	100	U	U	U
Aroclor 1248		UXJ	U	U	UXJ	UXJ	U	UXJ	U	UXJ	U	U	U
Aroclor 1254		UXJ	U	U	UXJ	UXJ	U	UXJ	U	82 JZ	U	U	U
Aroclor 1260		UXJ	U	U	UXJ	U	U	U	U	23 J	U	U	U
Total	1000/10000	16000	21	35	2300	260	34	110	36	205			

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring I-7					Boring I-8				Boring I-9				
		0-2	2-4	4-6	6-8	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	6-8	8-10
	(µg/kg)	(µg/kg)					(µg/kg)				(µg/kg)				
Aroclor 1016		U	U	U	U	U	UXJ	UXJ	UXJ	UXJ	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	UXJ	UXJ	UXJ	UXJ	U	U	U	U	U
Aroclor 1242		U	U	U	U	24 J	280	130 J	75	120	39 P	U	U	U	U
Aroclor 1248		U	U	U	U	U	UXJ	UXJ	UX	UXJ	U	U	U	U	U
Aroclor 1254		U	U	U	U	43	200	470 J	4600	720	110	U	U	U	U
Aroclor 1260		U	U	U	U	18 J	130	140 J	800 P	130	60	U	U	U	U
Total	1000/10000					85	610	740	5475	970	209				

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring I-10					Boring I-11					Boring I-12				
		0-2	2-4	4-6	6-8	8-10	0-2	2-4	4-6	6-8	8-10	0-2	2-4	4-6	6-8	8-10
	(µg/kg)	(µg/kg)					(µg/kg)					(µg/kg)				
Aroclor 1016		U	U	UXJ	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	UXJ	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		U	U	91	24 J	41	U	U	U	U	U	U	U	U	U	U
Aroclor 1248		U	U	UXJ	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1254		52	33 J	110	410	150	U	U	U	U	U	110	96	21 J	210	390
Aroclor 1260		58	20 J	72	140	52	U	U	U	U	U	60	84	U	120	250
Total	1000/10000	110	55	271	574	243						170	180	21	330	640

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring J-1										Boring J-2			
		0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)										(µg/kg)			
Aroclor 1016		UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1242		13000 D	16000 D	3500 D	5300 D	8300 D	3000 D	U	U	U	U	2900 D	20000 DP	2400 D	3800 D
Aroclor 1248		UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U	U	U	U	UXJ	UXJ	UXJ	UXJ
Aroclor 1254		UXJ	UXJ	1500 DZJ	1800 DZJ	UXJ	1800 DZJ	U	22 PJ	U	U	1500 DZ	4100 DZ	UXJ	UXJ
Aroclor 1260		530	UXJ	530	200	UXJ	300	U	37 U	U	U	150	UXJ	UXJ	UXJ
Total	1000/10000	13530	16000	5530	7300	8300	5100		59			4550	24100	2400	3800

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring J-3								Boring J-4			
		2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)								(µg/kg)			
Aroclor 1016		UXJ	UXJ	U	U	U	U	U	U	U	U	UXJ	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	U	U	U	U	U	U	U	U	UXJ	UXJ
Aroclor 1242		230	1300 D	U	U	U	U	U	U	20 J	U	1400 D	230
Aroclor 1248		UXJ	UXJ	U	U	U	U	U	U	U	U	UXJ	UXJ
Aroclor 1254		UXJ	UXJ	U	U	U	U	U	U	U	U	390 PZJ	100 ZJ
Aroclor 1260		U	59	U	U	U	U	U	U	27 J	U	140 PJ	30 PJ
Total	1000/10000	230	1359							47		1930	360

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring J-5									Boring J-6			
		0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)									(µg/kg)			
Aroclor 1016		UXJ	UXJ	UXJ	U	U	U	U	U	U	U	UXJ	U	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	UXJ	U	U	U	U	U	U	U	UXJ	U	UXJ
Aroclor 1242		69	190	170	U	U	U	28 J	U	U	25 J	800 D	U	150
Aroclor 1248		UXJ	UXJ	UXJ	U	U	U	U	U	U	U	U	U	UXJ
Aroclor 1254		98	160 ZJ	66 ZJ	U	U	33 J	50	U	U	34 U	310 JZ	U	150
Aroclor 1260		21 J	47	20 J	U	U	U	U	U	U	U	120	U	64
Total	1000/10000	188	397	256			33	78			59	1230		364

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring J-7										Boring J-8			
		0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)										(µg/kg)			
Aroclor 1016		UXJ	UXJ	U	U	U	U	U	U	U	U	UXJ	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	U	U	U	U	U	U	U	U	UXJ	U	U	U
Aroclor 1242		180	140	U	U	U	U	U	U	U	U	140	71	37	19 J
Aroclor 1248		UXJ	UXJ	U	U	U	U	U	U	U	U	UXJ	U	U	U
Aroclor 1254		270	68 ZPJ	U	U	U	U	U	U	U	U	130	86	82	190
Aroclor 1260		42	36	U	U	U	U	U	U	U	U	34 J	26 J	31 J	18 J
Total	1000/10000	492	244									304	183	150	227

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046; Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring J-9										Boring J-10			
		0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)										(µg/kg)			
Aroclor 1016		U	U	U	U	U	U	U	U	U	U	U	U	UXJ	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U	U	U	U	U	UXJ	UXJ
Aroclor 1242		U	18 J	U	U	U	U	U	U	U	U	U	U	370	48
Aroclor 1248		U	U	U	U	U	U	U	U	U	U	U	U	UXJ	UXJ
Aroclor 1254		34 J	U	U	U	U	U	20 J	U	U	U	U	U	UXJ	U
Aroclor 1260		U	U	U	U	U	U	U	U	U	U	U	U	31 J	U
Total	1000/10000	34	18					20						401	48

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046; Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring K-4					Boring K-5					Boring K-6				
		0-2	2-4	4-6	6-8	8-10	0-2	2-4	4-6	6-8	8-10	0-2	2-4	4-6	6-8	8-10
	(µg/kg)	(µg/kg)					(µg/kg)					(µg/kg)				
Aroclor 1016		U	U	U	U	UXJ	UXJ	UXJ	UXJ	UXJ	U	U	UXJ	UXJ	U	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	UXJ	UXJ	UXJ	UXJ	UXJ	U	U	UXJ	UXJ	U	UXJ
Aroclor 1242		47	U	28 J	62	510	570	68	100	90	20 J	51	670	120	21 J	79
Aroclor 1248		U	U	U	U	UXJ	UXJ	UXJ	UXJ	UXJ	U	U	UXJ	UXJ	U	UXJ
Aroclor 1254		U	U	U	28 J	UXJ	180 PZ	63	65	36	U	44	UXJ	79	37	29 J
Aroclor 1260		U	U	U	U	33 J	39 PJ	U	U	U	U	22 J	25 PJ	U	U	U
Total	1000/10000	47		28	90	543	789	131	165	126	20	117	695	199	58	108

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring K-7					Boring K-8					
		0-2	2-4	4-6	6-8	8-10	0-2	2-4	4-6	6-8	8-10	18-20
	(µg/kg)	(µg/kg)					(µg/kg)					
Aroclor 1016		UXJ	U	UXJ	U	U	UXJ	UXJ	UXJ	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	UXJ	U	U	UXJ	UXJ	UXJ	U	U	U
Aroclor 1242		300	98	170	41	41	260	240	110	26 J	64	26 J
Aroclor 1248		UXJ	U	UXJ	U	U	UXJ	UXJ	UXJ	U	U	U
Aroclor 1254		150	100	150	45	37	2600	87	59	530	200	21 PJ
Aroclor 1260		34	33 PJ	25 J	U	U	260	32 PJ	U	81	68	U
Total	1000/10000	484	229	345	86	78	3120	359	169	637	332	47

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring K-9				
		0-2	2-4	4-6	6-8	8-10
	(µg/kg)	(µg/kg)				
Aroclor 1016		UXJ	UXJ	U	U	U
Aroclor 1221		U	U	U	U	U
Aroclor 1232		UXJ	UXJ	U	U	U
Aroclor 1242		110	20000 D	19 J	46	38
Aroclor 1248		UXJ	UXJ	U	U	U
Aroclor 1254		89	U	1000	490	220
Aroclor 1260		22 PJ	U	120	82	34 J
Total	1000/10000	221	20000	1139	618	292

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring L-4				Boring L-5							
		0-2	2-4	4-6	8-10	0-2	2-4	8-10	18-20	28-30	38-40	48-50	58-60
	(µg/kg)	(µg/kg)				(µg/kg)							
Aroclor 1016		U	U	U	U	UXJ	U	UXJ	UXJ	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	UXJ	U	UXJ	UXJ	U	U	U	U
Aroclor 1242		34	U	U	U	800 DPJ	U	130	340	25 J	U	U	U
Aroclor 1248		U	U	U	U	UXJ	U	UXJ	UXJ	U	U	U	U
Aroclor 1254		110	U	U	U	310 JZ	U	60 JZ	170 JZ	30 PJ	U	U	U
Aroclor 1260		53 P	U	U	U	47	U	23 J	51	U	U	U	U
Total	1000/10000	197				1157		213	561	55			

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring L-6					Boring L-7							
		0-2	2-4	4-8	8-10	10-12	0-2	2-4	8-10	18-20	28-30	38-40	48-50	58-60
	(µg/kg)	(µg/kg)					(µg/kg)							
Aroclor 1016		UXJ	U	U	U	U	UXJ	UXJ	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	U	U	U	UXJ	UXJ	U	U	U	U	U	U
Aroclor 1242		190	U	U	U	U	280	120	U	28 PJ	U	U	U	U
Aroclor 1248		UXJ	U	U	U	U	UXJ	UXJ	U	U	U	U	U	U
Aroclor 1254		UXJ	U	20 J	U	U	360	UXJ	U	U	U	U	U	U
Aroclor 1260		34	U	U	U	U	41	U	U	U	U	U	U	U
Total	1000/10000	224		20			681	120		28				

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring L-8				Boring L-9							
		0-2	2-4	4-8	8-10	0-2	2-4	8-10	18-20	28-30	38-40	48-50	58-60
	(µg/kg)	(µg/kg)				(µg/kg)							
Aroclor 1016		U	U	U	U	UXJ	U	U	UXJ	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	UXJ	U	U	UXJ	U	U	U	U
Aroclor 1242		27 J	U	U	U	750	U	U	2100	27 J	U	U	U
Aroclor 1248		U	U	U	U	UXJ	U	U	UXJ	U	U	U	U
Aroclor 1254		24 J	U	U	23 J	UXJ	U	U	UXJ	U	U	U	U
Aroclor 1260		22 J	U	U	U	30 J	U	U	66	U	U	U	U
Total	1000/10000	73			23	780			2166	27			

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring M-4				Boring M-5				Boring M-6			
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
	(µg/kg)	(µg/kg)				(µg/kg)				(µg/kg)			
Aroclor 1016		UXJ	U	U	U	UXJ	UXJ	UXJ	U	UXJ	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	U	U	UXJ	UXJ	UXJ	U	UXJ	U	U	U
Aroclor 1242		9100	24 J	34 U	36	840	230	250		3300	U	U	U
Aroclor 1248		UXJ	U	U	U	UXJ	UXJ	UXJ	U	UXJ	U	U	U
Aroclor 1254		UXJ	U	U	U	UXJ	230 P	66	U	UXJ	U	U	U
Aroclor 1260		220	36 U	34 U	35 U	35	34 U	34 U	U	61	U	U	U
Total	1000/10000	9320	60	68	71	875	494	350		3381			

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring M-7				Boring M-8				Boring M-9				
		0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10	10-12
	(µg/kg)	(µg/kg)				(µg/kg)				(µg/kg)				
Aroclor 1016		UXJ	U	UXJ	U	UXJ	U	UXJ	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	UXJ	U	UXJ	U	UXJ	U	U	U	U	U	U
Aroclor 1242		190	U	110	U	77	U	180	U	24 J	U	U	U	U
Aroclor 1248		UXJ	U	UXJ	U	UXJ	U	UXJ	U	U	U	U	U	U
Aroclor 1254		U	U	100	U	62	U	29	U	31 J	U	U	U	U
Aroclor 1260		U	U		U	21 J	U	U	U	38	U	U	U	U
Total	1000/10000	190		210		160		209		93				

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring N-4					Boring N-5							
		0-2	2-4	4-6	8-10	10-12	0-2	2-4	8-10	18-20	28-30	38-40	48-50	58-60
	(µg/kg)	(µg/kg)					(µg/kg)							
Aroclor 1016		UXJ	UXJ	U	U	U	UXJ	U	U	UXJ	UXJ	UXJ	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	U	U	U	UXJ	U	U	UXJ	UXJ	UXJ	U	U
Aroclor 1242		1500 D	230	U	U	42	4200 E	30 J	33 J	240	210	54	U	U
Aroclor 1248		UXJ	UXJ	U	U	U	UXJ	U	U	UXJ	UXJ	UXJ	U	U
Aroclor 1254		UXJ	U	U	U	U	UXJ	U	30 J	69	63 P	31 J	U	U
Aroclor 1260		85	21 J	U	U	U	170	U	U	U	U	U	U	U
Total	1000/10000	1585	251			42	4370	30	63	309	273	85		

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D – Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring N-6				Boring N-7							
		0-2	2-4	4-6	8-10	0-2	2-4	8-10	18-20	28-30	38-40	48-50	58-60
	(µg/kg)	(µg/kg)				(µg/kg)							
Aroclor 1016		UXJ	UXJ	UXJ	U	UXJ	U	U	UXJ	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	UXJ	UXJ	U	UXJ	U	U	UXJ	U	U	U	U
Aroclor 1242		3600	76	93	U	140	23 J	35 U	110	21 J	64	U	U
Aroclor 1248		UXJ	UXJ	UXJ	U	UXJ	U	U	UXJ	U	U	U	U
Aroclor 1254		UXJ	39	100	U	240	66	31 J	UXJ	U	38	U	U
Aroclor 1260		130	30 J	U	U	U	29 J	18 J	U	U	U	U	U
Total	1000/10000	3730	145	193		380	118	84	110	21	102		

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D – Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.1 (continued). PCB SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	Boring N-8				Boring N-9								
		0-2	2-4	4-6	8-10	0-2	2-4	8-10	10-12	18-20	28-30	38-40	48-50	58-60
	(µg/kg)	(µg/kg)				(µg/kg)								
Aroclor 1016		UXJ	U	U	U	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UXJ	U	U	U	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	UXJ	U
Aroclor 1242		120	U	U	U	6500 D	35000 D	170	5300 E	470	110	72	200	U
Aroclor 1248		UXJ	U	U	U	UXJ	UXJ	UX	UXJ	UXJ	UXJ	UXJ	UXJ	U
Aroclor 1254		U	U	U	U	UXJ	U	1200 J	6400 E	2800	620	360	170	U
Aroclor 1260		U	U	U	U	U	4U	120	470	210	48	29 J	U	U
Total	1000/10000	120				6500	35000	1490	12170	3480	940	461	370	

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.

D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 4.2.2. METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring A-1								Boring A-2							
			0-2		2-4		4-6		8-10		0-2		2-4		4-6		8-10	
			TOB018		TOB018		TOB018		TOB018		TOB018		TOB018		TOB018		TOB018	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	**0.18**	N	0.058	UN	0.052	UN	0.052	UN	**0.28**	N	**0.28**	N	**0.15**	N	0.052	UN
Aluminum	SB	33,000	5890	*							10100	*						
Antimony	SB	N/A	0.66	U							0.88	B						
Arsenic	7.5 or SB	3 - 12	7.5	N	2.9	N	1.1	N	0.92	BN	**13.5**	N	10.1	N	5.7	N	1.4	N
Barium	300 or SB	15 - 600	23.5		47.7		10.8	B	8.1	B	39.8		25.2		34.6		11.1	B
Beryllium	0.16 or SB	0 - 1.75	0.11	B							**0.21**	B						
Calcium	SB	130 – 35,000	643								1050							
Cadmium	10	0.1 - 1	0.39	B	0.26	B	0.069	U	0.068	U	0.46	B	0.20	B	0.22	B	0.068	U
Chromium	50	1.5 - 40	8.8		16.4		3.9		7.2		16.6		11.3		12.5		8.9	
Cobalt	30 or SB	2.5 - 60	2.0	B							3.0	B						
Copper	25 or SB	1 - 50	11.9								21.6							
Iron	2,000 or SB	2,000 – 550,000	**7170**	*							**12100**	*						
Lead	400	200 - 500	31.1	N*	8.8	N*	2.1	N*	2.3	N*	51.1	N*	16.7	N*	16.1	N*	4.1	N*
Magnesium	SB	100 – 5,000	607	*							989	*						
Manganese	SB	50 – 5,000	84.8	*							161	*						
Nickel	13 or SB	0.5 - 25	3.9	B							6.0							
Potassium	SB	8,500 – 43,000	176	B							283	B						
Selenium	2 or SB	0.1 - 3.9	0.61		0.54	U	0.49	U	0.49	U	0.58		0.52	U	0.54	U	0.49	U
Silver	SB	N/A	0.16	B	0.16	U	0.14	U	0.14	U	0.47	B	0.15	U	0.15	U	0.14	U
Sodium	SB	6,000 - 8,000	20.6	B							33.9	B						
Thallium	SB	N/A	0.46	U							0.87	B						
Vanadium	150 or SB	1 - 300	12.1	*							21.1	*						
Zinc	20 or SB	9 - 50	**76.2**	*							**67.3**	*						
Chromium, hexavalent			1.1	U							1.1	U						
Cyanide			0.57	U							0.57	U						

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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N – Matrix spike sample recovery not within control limits.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring A-3								Boring A-4							
			0-2		2-4		4-6		8-10		0-2		2-4		4-6		8-10	
			TOB018		TOB018		TOB018		TOB018		TOB012		TOB012		TOB012		TOB012	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	**0.26**	N	0.053	UN	0.085	BN	0.052	UN	**0.25**		0.052	U	0.054	U	0.051	U
Aluminum	SB	33,000	8680	*							8860	*						
Antimony	SB	N/A	0.67	U							0.36	U						
Arsenic	7.5 or SB	3 - 12	**10.5**	N	7.1	N	2.7	N	2.0	N	10.2	*	1.3	*	2.8	*	0.66	B*
Barium	300 or SB	15 - 600	28.3		9.0	B	11.4	B	10.5	B	17.8	B	6.9	B	17.4	B	10.2	B
Beryllium	0.16 or SB	0 - 1.75	0.16	B							1.9	U						
Calcium	SB	130 – 35,000	882								3450	*						
Cadmium	10	0.1 - 1	0.39	B	0.12	B	0.15	B	0.17	B	0.25	B	0.038	U	0.11	B	0.18	B
Chromium	50	1.5 - 40	13.7		8.6		5.6		8.0		9.3	*	3.9	*	6.9	*	3.4	*
Cobalt	30 or SB	2.5 - 60	2.4	B							3.2	B						
Copper	25 or SB	1 - 50	18.7								11.6	*						
Iron	2,000 or SB	2,000 – 550,000	**10500**	*							**10900**							
Lead	400	200 - 500	41.3	N*	3.6	N*	5.9	N*	3.4	N*	17.8	*	2.8	*	2.9	*	1.8	*
Magnesium	SB	100 – 5,000	780	*							895							
Manganese	SB	50 – 5,000	127	*							134							
Nickel	13 or SB	0.5 - 25	4.9								5.0							
Potassium	SB	8,500 – 43,000	286	B							279	BE						
Selenium	2 or SB	0.1 - 3.9	0.60		0.50	U	0.50	U	0.49	U	0.59	U	0.56	U	0.57	U	0.55	U
Silver	SB	N/A	0.30	B	0.14	U	0.15	B	0.14	U	0.39	U	0.37	U	0.38	U	0.36	U
Sodium	SB	6,000 - 8,000	26.4	B							38.3	B						
Thallium	SB	N/A	0.86	B							0.90	B						
Vanadium	150 or SB	1 - 300	18.5	*							15.8							
Zinc	20 or SB	9 - 50	**64.8**	*							**32.7**	*						
Chromium, hexavalent			1.2	U							1.1	U						
Cyanide			0.58	U							0.55	U						

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring A-5								Boring A-6							
			0-2		2-4		4-6		8-10		0-2		2-4		4-6		8-10	
			TOB015		TOB015		TOB015		TOB015		TOB013		TOB013		TOB013		TOB013	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	**0.40**		0.051	U	0.051	U	0.070	B	**0.25**		0.055	U	0.054	U	0.053	U
Aluminum	SB	33,000	6680	*							9040	*						
Antimony	SB	N/A	0.38	B							0.36	U						
Arsenic	7.5 or SB	3 - 12	**15.1**		0.91	B	1.0	B	3.1		**9.8**	*	3.0	*	3.2	*	7.1	*
Barium	300 or SB	15 - 600	26.6		3.2	B	4.0	B	8.6	B	22.8		17.8	B	17.7	B	28.0	
Beryllium	0.16 or SB	0 - 1.75	1.9	U							1.9	U						
Calcium	SB	130 – 35,000	717	E							707	E						
Cadmium	10	0.1 - 1	0.64		0.038	U	0.047	B	0.12	B	0.45	B	0.060	B	0.099	B	0.34	B
Chromium	50	1.5 - 40	19.3	N	2.8	N	2.7	N	7.0	N	16.4	*	11.7	*	9.9	*	16.9	*
Cobalt	30 or SB	2.5 - 60	1.6	B							4.6	B						
Copper	25 or SB	1 - 50	**32.2**								23.3	*						
Iron	2,000 or SB	2,000 – 550,000	**10400**								**11900**	*						
Lead	400	200 - 500	36.7	*	0.87	*	1.4	*	6.9	*	34.4	*	3.6	*	8.7	*	29.7	*
Magnesium	SB	100 – 5,000	576								903							
Manganese	SB	50 – 5,000	131	N							143	*						
Nickel	13 or SB	0.5 - 25	3.9	B							6.5							
Potassium	SB	8,500 – 43,000	274	BE							252	BE						
Selenium	2 or SB	0.1 - 3.9	0.60	U	0.55	U	0.55	U	0.55	U	0.59	UN	0.59	UN	0.58	UN	0.57	UN
Silver	SB	N/A	1.5		0.37	U	0.37	U	0.37	U	1.5		0.39	U	0.38	U	1.4	
Sodium	SB	6,000 - 8,000	26.9	B							34.3	B						
Thallium	SB	N/A	0.56	U							0.72	B						
Vanadium	150 or SB	1 - 300	16.8								17.2	*						
Zinc	20 or SB	9 - 50	**60.0**	*E							**86.0**	N*E						
Chromium, hexavalent			1.1	U							1.1	U						
Cyanide			0.56	U							0.55	U						

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring A-7								Boring A-8							
			0-2		2-4		4-6		8-10		0-2		2-4		4-6		8-10	
			TOB015		TOB015		TOB015		TOB015		TOB024		TOB024		TOB024		TOB024	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	**0.18**		0.058	U	0.053	U	0.051	U	**0.26**		0.054	U	0.051	U	0.051	U
Aluminum	SB	33,000	7600	*							7990	*						
Antimony	SB	N/A	0.38	B							0.41	B						
Arsenic	7.5 or SB	3 - 12	**10.0**		3.0		2.0		1.2		**22.2**		2.2		1.1		1.6	
Barium	300 or SB	15 - 600	22.3		27.5		13.4	B	10.2	B	36.5		8.8	B	3.8	B	6.0	B
Beryllium	0.16 or SB	0 - 1.75	1.9	U							1.9	U						
Calcium	SB	130 – 35,000	595	E							536	BE						
Cadmium	10	0.1 - 1	0.19	B	0.042	U	0.059	B	0.037	U	0.28	B	0.065	B	0.053	B	0.037	U
Chromium	50	1.5 - 40	16.5	N	12.7	N	7.6	N	13.0	N	12.4	*	6.8	*	2.5	*	16.9	*
Cobalt	30 or SB	2.5 - 60	2.7	B							2.0	B						
Copper	25 or SB	1 - 50	12.6								23.0							
Iron	2,000 or SB	2,000 – 550,000	**10200**								**10500**	*						
Lead	400	200 - 500	37.9	*	3.9	*	2.5	*	1.1	*	36.9	N*	2.5	N*	0.64	N*	0.68	N*
Magnesium	SB	100 – 5,000	738								753							
Manganese	SB	50 – 5,000	136	N							126	N*						
Nickel	13 or SB	0.5 - 25	5.4								4.8							
Potassium	SB	8,500 – 43,000	263	BE							225	BE						
Selenium	2 or SB	0.1 - 3.9	0.59	U	0.62	U	0.57	U	0.55	U	0.71		0.58	U	0.55	U	0.55	U
Silver	SB	N/A	0.41	B	0.41	U	0.38	U	0.37	U	0.90	B	0.38	U	0.36	U	0.37	U
Sodium	SB	6,000 - 8,000	28.6	B							30.8	B						
Thallium	SB	N/A	0.55	U							0.55	U						
Vanadium	150 or SB	1 - 300	15.8								16.3							
Zinc	20 or SB	9 - 50	**74.4**	*E							**34.5**	*						
Chromium, hexavalent			1.1	U							5.5	U						
Cyanide			0.55	U							0.55	U						

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring A-9								Boring A-10							
			0-2		2-4		4-6		8-10		0-2		2-4		4-6		8-10	
			TOB024		TOB024		TOB024		TOB024		TOB024		TOB024		TOB024		TOB024	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	**0.16**		0.081	B	0.098	B	0.051	U	**0.13**		0.052	U	0.051	U	0.056	B
Aluminum	SB	33,000	5420	*							3640	*						
Antimony	SB	N/A	0.40	B							0.35	U						
Arsenic	7.5 or SB	3 - 12	**8.8**		4.2		**26.1**		**9.8**		**7.9**		4.0		2.7		2.3	
Barium	300 or SB	15 - 600	37.5		25.5		30.6		17.1	B	16.0	B	15.4	B	12.1	B	10.5	B
Beryllium	0.16 or SB	0 - 1.75	1.8	U							1.8	U						
Calcium	SB	130 – 35,000	3270	E							94.9	BE						
Cadmium	10	0.1 - 1	0.72		0.089	B	0.22	B	0.13	B	0.055	B	0.10	B	0.076	B	0.23	B
Chromium	50	1.5 - 40	11.5	*	7.1	*	14.8	*	8.8	*	29.8	*	8.3	*	5.3	*	9.8	*
Cobalt	30 or SB	2.5 - 60	2.3	B							1.1	B						
Copper	25 or SB	1 - 50	20.6								4.5							
Iron	2,000 or SB	2,000 – 550,000	**8930**	*							**7250**	*						
Lead	400	200 - 500	239	N*	13.5	N*	32.3	N*	22.3	N*	6.8	N*	12.6	N*	10.3	N*	9.8	N*
Magnesium	SB	100 – 5,000	1940								403	B						
Manganese	SB	50 – 5,000	148	N*							184	N*						
Nickel	13 or SB	0.5 - 25	9.4								2.1	B						
Potassium	SB	8,500 – 43,000	233	BE							148	BE						
Selenium	2 or SB	0.1 - 3.9	0.57	U	0.64	U	0.60	U	0.55	U	0.56	U	0.56	U	0.55	U	0.55	U
Silver	SB	N/A	1.1		0.43	U	0.42	B	0.37	U	0.38	U	0.37	U	0.37	U	0.37	U
Sodium	SB	6,000 - 8,000	38.4	B							20.7	B						
Thallium	SB	N/A	0.53	U							0.53	U						
Vanadium	150 or SB	1 - 300	15.7								16.0							
Zinc	20 or SB	9 - 50	**77.5**	*							12.3	*						
Chromium, hexavalent			5.3	U							5.3	U						
Cyanide			0.53	U							0.53	U						

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring A-11							
			0-2		2-4		4-6		8-10	
			TOB025		TOB025		TOB025		TOB025	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.086	BN	0.051	UN	0.051	UN	0.051	UN
Aluminum	SB	33,000	5640							
Antimony	SB	N/A	0.60	U						
Arsenic	7.5 or SB	3 - 12	5.3		1.7		0.70	B	0.79	B
Barium	300 or SB	15 - 600	25.1		9.4	B	3.7	B	49.7	
Beryllium	0.16 or SB	0 - 1.75	0.16	B						
Calcium	SB	130 – 35,000	1090	*						
Cadmium	10	0.1 - 1	0.27	B	0.067	U	0.067	U	0.067	U
Chromium	50	1.5 - 40	10.8		3.3		1.8		2.5	
Cobalt	30 or SB	2.5 - 60	2.8	B						
Copper	25 or SB	1 - 50	10.9	N						
Iron	2,000 or SB	2,000 – 550,000	**7950**							
Lead	400	200 - 500	50.2	*	6.5	*	0.90	*	3.3	*
Magnesium	SB	100 – 5,000	738							
Manganese	SB	50 – 5,000	153							
Nickel	13 or SB	0.5 - 25	4.1	B						
Potassium	SB	8,500 – 43,000	231	BE						
Selenium	2 or SB	0.1 - 3.9	0.80	N	0.69	N	0.48	UN	0.48	UN
Silver	SB	N/A	0.28	BN	0.14	UN	0.14	UN	0.14	UN
Sodium	SB	6,000 - 8,000	28.6	B						
Thallium	SB	N/A	0.42	U						
Vanadium	150 or SB	1 - 300	12.2							
Zinc	20 or SB	9 - 50	**50.2**							
Chromium, hexavalent			1	U						
Cyanide			0.52	U						

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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring B-1													
			0-2		2-4		8-10		18-20		28-30		38-40		48-50		58-60	
			TOB020		TOB020		TOB020		TOB020		TOB020		TOB020		TOB020		TOB020	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.054	U	0.051	U	0.052	U	0.052	U	0.052	U	0.053	U	0.053	U	0.053	U
Aluminum	SB	33,000					2340											
Antimony	SB	N/A					0.60	U										
Arsenic	7.5 or SB	3 - 12	2.1		0.81	B	1.2		1.3		1.4		0.31	U	0.32	U	1.4	
Barium	300 or SB	15 - 600	24.1		8.2	B	11.2	B	13.2	B	6.9	B	3.0	B	1.7	B	1.7	B
Beryllium	0.16 or SB	0 - 1.75					0.15	B										
Calcium	SB	130 – 35,000					8490											
Cadmium	10	0.1 - 1	0.17	B	0.067	U	0.068	U	0.068	U	0.068	U	0.069	U	0.070	U	0.069	U
Chromium	50	1.5 - 40	13.2		9.0		16.9		21.3		7.8		2.9		1.5		2.0	
Cobalt	30 or SB	2.5 - 60					1.9	B										
Copper	25 or SB	1 - 50					6.0											
Iron	2,000 or SB	2,000 – 550,000					**6710**											
Lead	400	200 - 500	5.1		2.1		2.8		2.8		1.4		1.2		0.98		0.86	
Magnesium	SB	100 – 5,000					556											
Manganese	SB	50 – 5,000					73.5											
Nickel	13 or SB	0.5 - 25					3.6	B										
Potassium	SB	8,500 – 43,000					288	B										
Selenium	2 or SB	0.1 - 3.9	0.51	UN	0.48	UN	0.48	UN	0.49	UN	0.48	UN	0.49	UN	0.50	UN	0.50	UN
Silver	SB	N/A	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Sodium	SB	6,000 - 8,000					68.8	B										
Thallium	SB	N/A					0.41	U										
Vanadium	150 or SB	1 - 300					6.7											
Zinc	20 or SB	9 - 50					14.6	E										
Chromium, hexavalent							2.1											
Cyanide							0.52	U										

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring B-3								
			0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
			TOB019	TOB019	TOB019	TOB019	TOB019	TOB019	TOB019	TOB019	TOB019
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.39**	0.052 U	0.051 U	0.052 U	**0.16**	0.052 U	0.054 U	0.053 U	0.055 U
Aluminum	SB	33,000									747 *
Antimony	SB	N/A									0.36 U
Arsenic	7.5 or SB	3 - 12	**12.2**	0.72 B	1.5	0.73 B	**8.7**	2.2	1.2	**10.4**	**8.7**
Barium	300 or SB	15 - 600	23.9	4.2 B	4.9 B	7.9 B	44.5	7.1 B	10.4 B	3.8 B	3.4 B
Beryllium	0.16 or SB	0 - 1.75									1.9 U
Calcium	SB	130 – 35,000									51.0 B
Cadmium	10	0.1 - 1	0.25 B	0.049 B	0.037 U	0.038 U	0.30 B	0.057 B	0.050 B	0.15 B	0.14 B
Chromium	50	1.5 - 40	10.0 *	2.4 *	4.4 *	4.4 *	18.8 *	10.8 *	9.1 *	15.4 *	9.8 *
Cobalt	30 or SB	2.5 - 60									0.23 B
Copper	25 or SB	1 - 50									1.6 B
Iron	2,000 or SB	2,000 – 550,000									**11700** *
Lead	400	200 - 500	23.1	0.70	0.69	1.3	23.7	1.6	3.9	0.58	0.77
Magnesium	SB	100 – 5,000									32.7 B
Manganese	SB	50 – 5,000									13.0 *
Nickel	13 or SB	0.5 - 25									0.49 B
Potassium	SB	8,500 – 43,000									73.4 B
Selenium	2 or SB	0.1 - 3.9	0.61 U	0.55 U	0.55 U	0.56 U	0.59 U	0.56 U	0.58 U	0.57 U	0.59 U
Silver	SB	N/A	0.41 U	0.37 U	0.37 U	0.37 U	0.40 U	0.37 U	0.38 U	0.38 U	0.40 U
Sodium	SB	6,000 - 8,000									8.2 B
Thallium	SB	N/A									0.55 U
Vanadium	150 or SB	1 - 300									7.4
Zinc	20 or SB	9 - 50									7.5
Chromium, hexavalent											1.3
Cyanide											0.55 U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring B-5																	
			0-2		2-4		4-6		8-10		18-20		28-30		38-40		48-50		58-60	
			TOB025		TOB025		TOB025		TOB025		TOB025		TOB025		TOB025		TOB025		TOB025	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	**0.15**	N	0.054	UN	0.051	UN	0.051	UN	0.051	UN	0.051	UN	0.055	UN	0.054	UN	0.054	UN
Aluminum	SB	33,000	7530																	
Antimony	SB	N/A	0.63	B																
Arsenic	7.5 or SB	3 - 12	6.4		3.8		0.37	B	0.30	U	1.8		0.57	B	1.2		1.6		0.32	U
Barium	300 or SB	15 - 600	24.8		31.5		4.4	B	3.9	B	7.6	B	5.0	B	1.6	B	2.5	B	1.9	B
Beryllium	0.16 or SB	0 - 1.75	**0.19**	B																
Calcium	SB	130 – 35,000	4280	*																
Cadmium	10	0.1 - 1	2.8		0.46	B	0.17	B	0.067	U	0.067	U	0.067	U	0.072	U	0.071	U	0.070	U
Chromium	50	1.5 - 40	23.6		15.0		2.6		1.5		12.0		1.7		1.6		3.2		0.50	B
Cobalt	30 or SB	2.5 - 60	2.8	B																
Copper	25 or SB	1 - 50	42.9	N																
Iron	2,000 or SB	2,000 – 550,000	**9010**																	
Lead	400	200 - 500	43.9	*	9.6	*	1.2	*	1.6	*	1.8	*	0.57	*	1.5	*	1.4	*	0.90	*
Magnesium	SB	100 – 5,000	931																	
Manganese	SB	50 – 5,000	137																	
Nickel	13 or SB	0.5 - 25	6.2																	
Potassium	SB	8,500 – 43,000	296	BE																
Selenium	2 or SB	0.1 - 3.9	0.98	N	0.51	UN	0.48	UN	0.48	UN	0.48	UN	0.48	UN	0.52	UN	0.51	UN	0.51	UN
Silver	SB	N/A	3.6	N	0.37	BN	0.14	UN	0.14	UN	0.14	UN	0.14	UN	0.15	UN	0.15	UN	0.15	UN
Sodium	SB	6,000 - 8,000	29.3	B																
Thallium	SB	N/A	0.42	U																
Vanadium	150 or SB	1 - 300	16.7																	
Zinc	20 or SB	9 - 50	**42.7**																	
Chromium, hexavalent			2.1	U																
Cyanide			0.52	U																

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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring B-7											
			0-2		2-4		8-10		18-20		38-40		48-50		58-60	
			TOB020		TOB020		TOB020		TOB020		TOB020		TOB020		TOB020	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.089	B	0.054	U	0.051	U	0.051	U	0.053	U	0.052	U	0.059	U
Aluminum	SB	33,000	6590													
Antimony	SB	N/A	0.62	U												
Arsenic	7.5 or SB	3 - 12	7.4		2.2		0.71	B	0.31	U	**30.2**		**16.5**		0.75	B
Barium	300 or SB	15 - 600	18.7	B	19.8	B	6.2	B	9.1	B	3.7	B	3.9	B	1.1	B
Beryllium	0.16 or SB	0 - 1.75	0.18	B												
Calcium	SB	130 – 35,000	670													
Cadmium	10	0.1 - 1	0.10	B	0.071	U	0.067	U	0.067	U	0.069	U	0.068	U	0.078	U
Chromium	50	1.5 - 40	13.5		8.4		8.4		3.8		**66.0**		24.6		0.38	B
Cobalt	30 or SB	2.5 - 60	2.5	B												
Copper	25 or SB	1 - 50	13.7													
Iron	2,000 or SB	2,000 – 550,000	**11300**													
Lead	400	200 - 500	23.3		4.5		2.3		0.72		10.3		6.2		0.87	
Magnesium	SB	100 – 5,000	705													
Manganese	SB	50 – 5,000	115													
Nickel	13 or SB	0.5 - 25	4.7													
Potassium	SB	8,500 – 43,000	248	B												
Selenium	2 or SB	0.1 - 3.9	0.57	N	0.51	UN	0.48	UN	0.48	UN	0.49	UN	0.49	UN	0.56	UN
Silver	SB	N/A	0.39	B	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	0.16	U
Sodium	SB	6,000 - 8,000	26.2	B												
Thallium	SB	N/A	0.43	U												
Vanadium	150 or SB	1 - 300	16.8													
Zinc	20 or SB	9 - 50	**23.0**	E												
Chromium, hexavalent			1.1	U												
Cyanide			0.54	U												

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring B-9								
			0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
			TOB022	TOB022	TOB022	TOB022	TOB022	TOB022	TOB022	TOB022	TOB022
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.052 U	0.052 U	0.054 U	0.052 U	0.050	0.052 U	0.054 U	0.053 U	0.060 U
Aluminum	SB	33,000			4240						
Antimony	SB	N/A			0.35 U						
Arsenic	7.5 or SB	3 - 12	1.8	3.5	2.3	1.8	0.75	**61.7**	**108**	3.0	2.0
Barium	300 or SB	15 - 600	13.0 B	24.7	23.3	11.8 B	7.0	13.5 B	5.9 B	2.6 B	3.3 B
Beryllium	0.16 or SB	0 - 1.75			1.8 U						
Calcium	SB	130 – 35,000			9410						
Cadmium	10	0.1 - 1	0.97	0.30 B	0.17 B	0.098 B	0.038	15.4	29.9	0.038 U	0.044 U
Chromium	50	1.5 - 40	25.5	16.5	15.9	13.6	6.5	**114**	**282**	6.2	1.5
Cobalt	30 or SB	2.5 - 60			2.5 B						
Copper	25 or SB	1 - 50			8.5						
Iron	2,000 or SB	2,000 – 550,000			**7510**						
Lead	400	200 - 500	10.7	5.6	4.1	2.8	1.1	17.5	29.9	0.75	2.0
Magnesium	SB	100 – 5,000			1150						
Manganese	SB	50 – 5,000			92.3 N						
Nickel	13 or SB	0.5 - 25			3.8 B						
Potassium	SB	8,500 – 43,000			348 BE						
Selenium	2 or SB	0.1 - 3.9	0.56 U	0.55 U	0.58 U	0.55 U	0.56	0.56 U	0.58 U	0.56 U	0.64 U
Silver	SB	N/A	2.8	0.94 B	0.53 B	0.40 B	0.37	0.37 U	0.55 B	0.38 U	0.43 U
Sodium	SB	6,000 - 8,000			39.3 B						
Thallium	SB	N/A			0.54 U						
Vanadium	150 or SB	1 - 300			9.7						
Zinc	20 or SB	9 - 50			19.7 E						
Chromium, hexavalent					1.6						
Cyanide					0.54 U						

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring B-11							
			0-2	2-4	8-10	20-23	28-30	38-40	48-50	58-60
			TOB026	TOB026	TOB026	TOB026	TOB026	TOB026	TOB026	TOB026
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.053 U	0.052 U	0.051 U	0.052 U	0.053 U	0.053 U	0.051 U	0.052 U
Aluminum	SB	33,000	4580							
Antimony	SB	N/A	0.35 U							
Arsenic	7.5 or SB	3 - 12	2.0	0.71 B	6.3	2.0	9.5	**70.1** B	0.58 U	1.7
Barium	300 or SB	15 - 600	17.0 B	4.1 B	8.6 B	6.6 B	5.1 B	7.0 U	0.84 B	3.3 B
Beryllium	0.16 or SB	0 - 1.75	1.8 U							
Calcium	SB	130 – 35,000	4520							
Cadmium	10	0.1 - 1	0.28 B	0.056 B	0.042 B	0.054 B	0.060 B	0.77 U	0.038 U	0.038 U
Chromium	50	1.5 - 40	12.0	3.5	6.9	32.2	33.5	**141** B	0.085 U	2.9
Cobalt	30 or SB	2.5 - 60	2.3 B							
Copper	25 or SB	1 - 50	6.2							
Iron	2,000 or SB	2,000 – 550,000	**6440**							
Lead	400	200 - 500	6.3 N	2.3 N	0.65 N	0.37 N	0.82 N	2.4 UN	0.53 N	0.53 N
Magnesium	SB	100 – 5,000	769							
Manganese	SB	50 – 5,000	77.0							
Nickel	13 or SB	0.5 - 25	3.2 B							
Potassium	SB	8,500 – 43,000	283 BE							
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.55 U	0.55 U	0.55 U	0.57 U	11.3 U	0.55 U	0.56 U
Silver	SB	N/A	0.48 B	0.37 U	0.37 U	0.37 U	0.38 U	7.5 U	0.37 U	0.37 U
Sodium	SB	6,000 - 8,000	155 B							
Thallium	SB	N/A	0.53 U							
Vanadium	150 or SB	1 - 300	8.8							
Zinc	20 or SB	9 - 50	17.0							
Chromium, hexavalent										
Cyanide										

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring B-2								Boring B-4							
			0-2		2-4		4-6		8-10		0-2		2-4		4-6		8-10	
			TOB043		TOB043		TOB043		TOB043		TOB012		TOB012		TOB012		TOB012	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.052	U	0.051	U	0.051	U	0.051	U	**0.29**		0.051	U	0.059	U	0.051	U
Aluminum	SB	33,000			1690								7250	*				
Antimony	SB	N/A			0.34	U							0.34	U				
Arsenic	7.5 or SB	3 - 12	1.1		1.1		1.2		0.83	B	13.1	*	3.2	*	3.1	*	0.58	U*
Barium	300 or SB	15 - 600	8.6	B	6.7	B	7.0	B	6.3	B	26.5		13.3	B	30.5		3.5	B
Beryllium	0.16 or SB	0 - 1.75			1.8	U							1.7	U				
Calcium	SB	130 – 35,000			294	B							116	B*				
Cadmium	10	0.1 - 1	0.12	B	0.059	B	0.063	B	0.054	B	0.52	B	0.17	B	0.21	B	0.038	U
Chromium	50	1.5 - 40	10.1	*E	12.1	*E	11.2	*E	7.7	*E	13.9	*	9.0	*	14.0	*	2.1	*
Cobalt	30 or SB	2.5 - 60			5.1	B							4.6	B				
Copper	25 or SB	1 - 50			2.3	B							6.0	*				
Iron	2,000 or SB	2,000 – 550,000			**4240**								**10500**					
Lead	400	200 - 500	1.9	N*	1.3	N*	0.96	N*	1.0	N*	24.4	*	3.3	*	6.1	*	0.65	*
Magnesium	SB	100 – 5,000			279	BE							1080					
Manganese	SB	50 – 5,000			56.5								93.6					
Nickel	13 or SB	0.5 - 25			1.9	B							5.7					
Potassium	SB	8,500 – 43,000			203	BE							300	BE				
Selenium	2 or SB	0.1 - 3.9	0.55	U	0.55	U	0.55	U	0.55	U	0.59	U	0.55	U	0.63	U	0.55	U
Silver	SB	N/A	0.37	U	0.37	U	0.37	U	0.37	U	0.75	B	0.37	U	0.42	U	0.37	U
Sodium	SB	6,000 - 8,000			25.8	B							19.9	B				
Thallium	SB	N/A			0.51	U							0.74	B				
Vanadium	150 or SB	1 - 300			3.8	B							11.6					
Zinc	20 or SB	9 - 50			6.3	E							13.5	*				
Chromium, hexavalent					1	U							1	U				
Cyanide					0.51	U							0.51	U				

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring B-6				Boring B-8			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB013	TOB013	TOB013	TOB013	TOB027	TOB027	TOB027	TOB027
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.16**	0.056 U	0.053 U	**0.12**	0.063 B	0.096 B	0.079 B	0.068 B
Aluminum	SB	33,000		11000 *			2650			
Antimony	SB	N/A		0.37 U			0.34 U			
Arsenic	7.5 or SB	3 - 12	**8.8** *	4.2 *	2.1 *	4.4 *	2.4	1.5	2.4	1.5
Barium	300 or SB	15 - 600	24.7	32.0	19.0 B	23.4	13.9 B	11.2 B	16.1 B	10.5 B
Beryllium	0.16 or SB	0 - 1.75		1.9 U			1.8 U			
Calcium	SB	130 – 35,000		447 BE			5830 *			
Cadmium	10	0.1 - 1	0.44 B	0.041 U	0.11 B	0.23 B	0.46 B	0.18 B	0.46 B	0.25 B
Chromium	50	1.5 - 40	18.2 *	13.7 *	7.7 *	20.3 *	16.9	7.5	18.5	15.2
Cobalt	30 or SB	2.5 - 60		8.0			1.7 B			
Copper	25 or SB	1 - 50		7.1 *			11.9 *			
Iron	2,000 or SB	2,000 – 550,000		**24400** *			**5030**			
Lead	400	200 - 500	25.0 *	4.6 *	5.1 *	13.9 *	7.5	3.4	7.1	4.4
Magnesium	SB	100 – 5,000		1570			1100			
Manganese	SB	50 – 5,000		185 *			84.9 N			
Nickel	13 or SB	0.5 - 25		6.1			2.9 B			
Potassium	SB	8,500 – 43,000		387 BE			235 BE			
Selenium	2 or SB	0.1 - 3.9	0.58 UN	0.60 UN	0.56 UN	0.56 UN	0.56 U	0.58 U	0.57 U	0.56 U
Silver	SB	N/A	2.5	0.40 U	0.63 B	1.1	2.5	0.51 B	1.7	0.99 B
Sodium	SB	6,000 - 8,000		32.4 B			22.8 B			
Thallium	SB	N/A		1.4			0.52 U			
Vanadium	150 or SB	1 - 300		21.0 *			5.9			
Zinc	20 or SB	9 - 50		**28.4** N*E			18.5			
Chromium, hexavalent				1.6			2.6			
Cyanide				0.56 U			0.52 U			

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring B-10							
			0-2		2-4		4-6		8-10	
			TOB034		TOB034		TOB034		TOB034	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	**0.12**		0.055	U	0.074	B	0.062	B
Aluminum	SB	33,000	5110							
Antimony	SB	N/A	0.34	U						
Arsenic	7.5 or SB	3 - 12	5.7		2.8		2.8		2.6	
Barium	300 or SB	15 - 600	22.1		30.4		20.4	B	18.1	B
Beryllium	0.16 or SB	0 - 1.75	1.8	U						
Calcium	SB	130 – 35,000	1130							
Cadmium	10	0.1 - 1	0.51	B	0.040	U	0.16	B	0.15	B
Chromium	50	1.5 - 40	25.0	*	10.8	*	15.1	*	24.4	*
Cobalt	30 or SB	2.5 - 60	2.0	B						
Copper	25 or SB	1 - 50	14.0							
Iron	2,000 or SB	2,000 – 550,000	**6490**							
Lead	400	200 - 500	30.4		8.1		13.4		8.4	
Magnesium	SB	100 – 5,000	765							
Manganese	SB	50 – 5,000	99.0							
Nickel	13 or SB	0.5 - 25	8.2							
Potassium	SB	8,500 – 43,000	242	B						
Selenium	2 or SB	0.1 - 3.9	0.55	UN	0.59	UN	0.58	UN	0.57	UN
Silver	SB	N/A	1.8		0.39	U	1.2		1.3	
Sodium	SB	6,000 - 8,000	30.4	B						
Thallium	SB	N/A	0.51	U						
Vanadium	150 or SB	1 - 300	10.9							
Zinc	20 or SB	9 - 50	**35.3**							
Chromium, hexavalent			1	U						
Cyanide			0.51	U						

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N – Matrix spike sample recovery not within control limits.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring C-1				Boring C-2			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB038	TOB038	TOB038	TOB038	TOB018	TOB018	TOB018	TOB018
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.069 B	0.053 U	0.053 U	0.055 U	**0.10** BN	0.056 BN	0.055 UN	0.053 UN
Aluminum	SB	33,000	4060 *E					9140 *		
Antimony	SB	N/A	0.59 U					0.64 U		
Arsenic	7.5 or SB	3 - 12	3.6	2.5	4.5	2.7	4.0 N	2.8 N	3.0 N	2.8 N
Barium	300 or SB	15 - 600	17.4 BE	16.1 BE	20.2 BE	15.2 BE	29.0	39.2	29.0	28.8
Beryllium	0.16 or SB	0 - 1.75	0.21 B					0.23 B		
Calcium	SB	130 – 35,000	743				1.3	302 B	1.1	0.53
Cadmium	10	0.1 - 1	0.79	0.19 B	0.46 B	0.36 B	**27.6**	0.37 B	**26.2**	**19.4**
Chromium	50	1.5 - 40	17.7 N*	12.4 N*	40.6 N*	18.3 N*		14.7		
Cobalt	30 or SB	2.5 - 60	2.2 B					6.9		
Copper	25 or SB	1 - 50	12.8					7.6		
Iron	2,000 or SB	2,000 – 550,000	**6300** E					**11000** *		
Lead	400	200 - 500	13.7 N*	4.3 N*	10.9 N*	15.9 N*	12.8 N*	6.1 N*	11.2 N*	6.3 N*
Magnesium	SB	100 – 5,000	635 E					1480 *		
Manganese	SB	50 – 5,000	90.8 NE					268 *		
Nickel	13 or SB	0.5 - 25	4.2					7.2		
Potassium	SB	8,500 – 43,000	195 BE					397 B		
Selenium	2 or SB	0.1 - 3.9	0.67 N	0.50 UN	0.60 N	0.57 N	0.52 U	0.52 U	0.52 U	0.50 U
Silver	SB	N/A	2.1	0.14 U	0.75 B	0.86 B	3.8	0.15 U	2.1	0.56 B
Sodium	SB	6,000 - 8,000	22.0 B					30.1 B		
Thallium	SB	N/A	0.79 B					0.45 U		
Vanadium	150 or SB	1 - 300	9.9 E					17.1 *		
Zinc	20 or SB	9 - 50	**32.2** *					18.4 *		
Chromium, hexavalent			2.5					1.1 U		
Cyanide			0.52 U					0.56 U		

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring C-3				Boring C-4			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB016	TOB016	TOB016	TOB016	TOB009	TOB009	TOB009	TOB009
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.14**	0.054 U	0.054 U	0.051 U	**0.14**	**0.12**	0.062 B	0.054 U
Aluminum	SB	33,000		6250				6480		
Antimony	SB	N/A		0.35 U				0.63 UN		
Arsenic	7.5 or SB	3 - 12	7.0	1.9	2.4	0.58 U	**7.7**	9.8	5.3	1.7
Barium	300 or SB	15 - 600	21.8	19.8 B	22.2	5.0 B	20.7 B	21.8	21.2 B	10.5 B
Beryllium	0.16 or SB	0 - 1.75		1.8 U				0.21 B		
Calcium	SB	130 – 35,000		279 BE				465 BE		
Cadmium	10	0.1 - 1	2.0 N*	2.3 N*	0.86 N*	0.075 BN*	2.7	5.3	3.1	0.24 B
Chromium	50	1.5 - 40	**55.6**	15.6	44.0	1.2	33.1	12.8	36.7	13.8
Cobalt	30 or SB	2.5 - 60		3.1 B				2.5 B		
Copper	25 or SB	1 - 50		8.9 N*				25.9		
Iron	2,000 or SB	2,000 – 550,000		**7800**				**9350**		
Lead	400	200 - 500	29.9	5.4	10.4	0.46	27.6	17.6	17.8	4.2
Magnesium	SB	100 – 5,000		953				843		
Manganese	SB	50 – 5,000		89.4				116 N		
Nickel	13 or SB	0.5 - 25		4.6				5.6		
Potassium	SB	8,500 – 43,000		289 B				227 B		
Selenium	2 or SB	0.1 - 3.9	0.58 U	0.58 U	0.57 U	0.55 U	1.1 N	0.73 N	0.64 N	0.55 N
Silver	SB	N/A	13.6	0.38 U	0.51 B	0.37 U	7.0	0.90 B	2.7	0.93 B
Sodium	SB	6,000 - 8,000		25.2 B				23.6 B		
Thallium	SB	N/A		0.54 U				1.2		
Vanadium	150 or SB	1 - 300		11.0				13.8		
Zinc	20 or SB	9 - 50		**24.0** N*				**23.8**		
Chromium, hexavalent				1.1 U				1.1 U		
Cyanide				0.54 U				0.55 U		

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring C-5				Boring C-6			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB016	TOB016	TOB016	TOB016	TOB013	TOB013	TOB013	TOB013
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.21**	0.054 U	**0.11**	0.080 B	0.096 B	**0.18**	0.056 U	0.079 B
Aluminum	SB	33,000		7200				6060 *		
Antimony	SB	N/A		0.35 U				0.37 U		
Arsenic	7.5 or SB	3 - 12	**9.1**	2.6	3.5	2.3	5.7 *	3.1 *	5.0 *	3.6 *
Barium	300 or SB	15 - 600	28.3	25.8	19.1 B	19.0 B	32.5	23.2	28.0	23.6
Beryllium	0.16 or SB	0 - 1.75		1.8 U				1.9 U		
Calcium	SB	130 – 35,000		471 BE				530 BE		
Cadmium	10	0.1 - 1	0.83 N*	6.4 N*	1.9 N*	0.45 BN*	0.99	2.5	0.75	0.27 B
Chromium	50	1.5 - 40	22.9	31.8	22.8	18.6	28.0 *	20.0 *	21.8 *	13.7 *
Cobalt	30 or SB	2.5 - 60		3.3 B				19.5		
Copper	25 or SB	1 - 50		**31.8** N*				17.1 *		
Iron	2,000 or SB	2,000 – 550,000		**8740**				**9980** *		
Lead	400	200 - 500	27.2	12.8	13.0	6.8	24.7 *	13.6 *	19.5 *	10.4 *
Magnesium	SB	100 – 5,000		990				732		
Manganese	SB	50 – 5,000		116				199 *		
Nickel	13 or SB	0.5 - 25		5.2				5.1		
Potassium	SB	8,500 – 43,000		376 B				240 BE		
Selenium	2 or SB	0.1 - 3.9	0.61 U	0.57 U	0.58 U	0.58 U	0.58 UN	0.60 UN	0.60 UN	0.60 UN
Silver	SB	N/A	3.6	1.7	2.7	0.52 B	3.1	1.7	2.9	0.99 B
Sodium	SB	6,000 - 8,000		24.0 B				19.8 B		
Thallium	SB	N/A		0.54 U				0.69 B		
Vanadium	150 or SB	1 - 300		12.4				12.5 *		
Zinc	20 or SB	9 - 50		**47.4** N*				**34.9** N*E		
Chromium, hexavalent				1.1 U				1.1 U		
Cyanide				0.54 U				0.56 U		

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring C-7				Boring C-8			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB015	TOB015	TOB015	TOB015	TOB027	TOB027	TOB027	TOB027
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.083 B	**0.21**	0.12	**0.12**	**0.49**	**0.19**	**0.22**	0.054 U
Aluminum	SB	33,000	3030 *				6190			
Antimony	SB	N/A	0.34 U				0.36 U			
Arsenic	7.5 or SB	3 - 12	2.9	8.7	4.1	5.2	**9.0**	**9.3**	3.0	1.9
Barium	300 or SB	15 - 600	14.7 B	29.4	25.4	25.9	25.3	23.2	15.2 B	18.0 B
Beryllium	0.16 or SB	0 - 1.75	1.8 U				1.9 U			
Calcium	SB	130 – 35,000	308 BE				1640 *			
Cadmium	10	0.1 - 1	1.4	1.5	0.88	1.3	0.86	0.78	0.044 B	0.11 B
Chromium	50	1.5 - 40	32.6 N	22.7 N	26.1 N	38.0 N	30.5	28.8	10.1	13.5
Cobalt	30 or SB	2.5 - 60	1.8 B				2.2 B			
Copper	25 or SB	1 - 50	**27.2**				24.7 *			
Iron	2,000 or SB	2,000 – 550,000	**5250**				**9010**			
Lead	400	200 - 500	13.9 *	30.9 *	17.0 *	22.1 *	31.3	25.7	4.2	3.5
Magnesium	SB	100 – 5,000	392 B				754			
Manganese	SB	50 – 5,000	98.2 N				177 N			
Nickel	13 or SB	0.5 - 25	3.7 B				4.6			
Potassium	SB	8,500 – 43,000	160 BE				185 BE			
Selenium	2 or SB	0.1 - 3.9	0.55 U	0.60 U	0.59 U	0.57 U	0.59 U	0.55 U	0.61 U	0.58 U
Silver	SB	N/A	10.7	3.1	5.3	7.3	5.9	6.0	0.41 U	0.38 U
Sodium	SB	6,000 - 8,000	24.5 B				34.7 B			
Thallium	SB	N/A	0.51 U				0.55 U			
Vanadium	150 or SB	1 - 300	6.6				13.6			
Zinc	20 or SB	9 - 50	**37.5** *E				**48.5**			
Chromium, hexavalent							1.1 U			
Cyanide							0.55 U			

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring C-9				Boring C-10			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB027	TOB027	TOB027	TOB027	TOB027	TOB027	TOB027	TOB027
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.054 B	0.053 U	0.051 U	0.052 U	0.053 U	0.054 U	0.054 U	0.053 U
Aluminum	SB	33,000	3940				3750			
Antimony	SB	N/A	0.34 U				0.35 U			
Arsenic	7.5 or SB	3 - 12	2.0	1.5	0.58 U	0.85 B	1.8	2.2	1.5	1.3
Barium	300 or SB	15 - 600	18.4 B	8.9 B	3.9 B	5.3 B	16.5 B	14.9 B	12.7 B	13.6 B
Beryllium	0.16 or SB	0 - 1.75	1.8 U				1.8 U			
Calcium	SB	130 – 35,000	1040 *				7780 *			
Cadmium	10	0.1 - 1	0.32 B	0.13 B	0.038 U	0.062 B	0.19 B	0.039 U	0.079 B	0.066 B
Chromium	50	1.5 - 40	14.4	5.6	1.3	10.9	8.4	9.9	12.9	9.1
Cobalt	30 or SB	2.5 - 60	2.4 B				3.6 B			
Copper	25 or SB	1 - 50	7.2 *				9.6 *			
Iron	2,000 or SB	2,000 – 550,000	**6280**				**6600**			
Lead	400	200 - 500	5.5	2.6	0.60	1.3	3.7	3.9	3.2	2.3
Magnesium	SB	100 – 5,000	644				1120			
Manganese	SB	50 – 5,000	69.5 N				90.3 N			
Nickel	13 or SB	0.5 - 25	3.3 B				3.9 B			
Potassium	SB	8,500 – 43,000	290 BE				252 BE			
Selenium	2 or SB	0.1 - 3.9	0.56 U	0.57 U	0.55 U	0.55 U	0.57 U	0.58 U	0.58 U	0.57 U
Silver	SB	N/A	1.2	0.38 U	0.37 U	0.37 U	0.38 U	0.39 U	0.38 U	0.38 U
Sodium	SB	6,000 - 8,000	85.5 B				94.8 B			
Thallium	SB	N/A	0.52 U				0.53 U			
Vanadium	150 or SB	1 - 300	7.5				8.9			
Zinc	20 or SB	9 - 50	18.6				21.4			
Chromium, hexavalent			2.0				1.9			
Cyanide			0.52 U				0.53 U			

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring C-11				Boring C-12			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB022	TOB022	TOB022	TOB022	TOB022	TOB022	TOB022	TOB022
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.053 U	0.054 U	0.054 U	0.051 U	0.081 B	0.051 U	0.052 U	0.051 U
Aluminum	SB	33,000	4430				3620			
Antimony	SB	N/A	0.35 U				0.34 U			
Arsenic	7.5 or SB	3 - 12	2.8	2.4	2.3	0.84 B	4.4	1.7	0.93 B	1.5
Barium	300 or SB	15 - 600	21.4	19.7 B	19.9 B	2.7 B	18.8 B	8.3 B	7.2 B	7.6 B
Beryllium	0.16 or SB	0 - 1.75	1.8 U				1.8 U			
Calcium	SB	130 – 35,000	9360				3820			
Cadmium	10	0.1 - 1	0.067 B	0.040 U	0.040 U	0.038 U	0.39 B	0.29 B	0.13 B	0.044 B
Chromium	50	1.5 - 40	13.2	10.3	14.2	3.5	17.0	15.9	8.8	4.0
Cobalt	30 or SB	2.5 - 60	4.6 B				1.9 B			
Copper	25 or SB	1 - 50	6.6				9.3			
Iron	2,000 or SB	2,000 – 550,000	**7410**				**6660**			
Lead	400	200 - 500	3.9	3.8	3.7	1.3	43.8	8.1	4.5	6.2
Magnesium	SB	100 – 5,000	1820				1030			
Manganese	SB	50 – 5,000	68.5 N				113 N			
Nickel	13 or SB	0.5 - 25	9.8				3.9 B			
Potassium	SB	8,500 – 43,000	312 BE				242 BE			
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.58 U	0.58 U	0.55 U	0.56 U	0.55 U	0.56 U	0.55 U
Silver	SB	N/A	0.38 U	0.39 U	0.39 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
Sodium	SB	6,000 - 8,000	136 B				47.2 B			
Thallium	SB	N/A	0.53 U				0.52 U			
Vanadium	150 or SB	1 - 300	10.3				9.3			
Zinc	20 or SB	9 - 50	14.8 E				**53.6** E			
Chromium, hexavalent			1.2				1 U			
Cyanide			0.53 U				0.52 U			

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring D-1								
			0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
			TOB031	TOB031	TOB031	TOB031	TOB031	TOB031	TOB031	TOB031	TOB031
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.059 B	0.056 B	0.052 U	0.051 U	0.061 B	0.052 U	0.051 U	0.056 U	0.058 U
Aluminum	SB	33,000			1380						
Antimony	SB	N/A			0.34 U						
Arsenic	7.5 or SB	3 - 12	4.5	1.1	1.4	0.88 B	0.58 U	0.68 B	3.9	5.0	1.8
Barium	300 or SB	15 - 600	36.0	8.4 B	5.5 B	9.1 B	16.3 B	5.6 B	6.7 B	9.0 B	3.1 B
Beryllium	0.16 or SB	0 - 1.75			1.8 U						
Calcium	SB	130 – 35,000			535						
Cadmium	10	0.1 - 1	0.50 B	0.26 B	0.14 B	0.11 B	0.038 U	0.054 B	0.038 U	0.041 U	0.043 U
Chromium	50	1.5 - 40	14.1	10	5.7	5.2	4.9	5.8	33.4	7.2	2.4
Cobalt	30 or SB	2.5 - 60			1.6 B						
Copper	25 or SB	1 - 50			3.1						
Iron	2,000 or SB	2,000 – 550,000			**5440** *						
Lead	400	200 - 500	14.2	3.8	0.99	3.1	0.68	0.53	0.12 U	2.1	2.3
Magnesium	SB	100 – 5,000			301 B						
Manganese	SB	50 – 5,000			75.7 *						
Nickel	13 or SB	0.5 - 25			1.7 B						
Potassium	SB	8,500 – 43,000			146 BE						
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.57 U	0.55 U	0.55 U	0.55 U	0.56 U	0.55 U	0.60 U	0.63 U
Silver	SB	N/A	2.6	1.0 B	0.37 U	0.44 B	0.37 U	0.37 U	0.37 U	0.40 U	0.42 U
Sodium	SB	6,000 - 8,000			14.8 B						
Thallium	SB	N/A			0.51 U						
Vanadium	150 or SB	1 - 300			3.9 B						
Zinc	20 or SB	9 - 50			6.3						
Chromium, hexavalent					1.5						
Cyanide					0.52 U						

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring D-3								
			0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
			TOB019	TOB019	TOB019	TOB019	TOB019	TOB019	TOB019	TOB019	TOB019
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.098 B	**0.14**	**0.15**	0.054 U	0.052 U	0.052 U	0.055 U	0.052 U	0.059 U
Aluminum	SB	33,000						818 *			
Antimony	SB	N/A						0.34 U			
Arsenic	7.5 or SB	3 - 12	4.7	2.6	4.3	2.3	3.1	1.1	1.5	0.59 U	0.71 B
Barium	300 or SB	15 - 600	29.4	34.3	26.7	14.0 B	16.9 B	4.6 B	11.4 B	1.3 B	2.1 B
Beryllium	0.16 or SB	0 - 1.75						1.8 U			
Calcium	SB	130 – 35,000						28.0 B			
Cadmium	10	0.1 - 1	1.4	2.4	1.3	0.21 B	0.040 B	0.061 B	0.41 B	0.038 U	0.043 U
Chromium	50	1.5 - 40	**60.9** *	19.8 *	32.4 *	20.6 *	3.1 *	3.1 *	13.4 *	0.56 B*	1.2 *
Cobalt	30 or SB	2.5 - 60						0.36 B			
Copper	25 or SB	1 - 50						0.89 B			
Iron	2,000 or SB	2,000 – 550,000						**2900** *			
Lead	400	200 - 500	19.3	11.4	13.4	5.1	0.87	0.53	5.3	0.71	1.4
Magnesium	SB	100 – 5,000						90.6 B			
Manganese	SB	50 – 5,000						38.7 *			
Nickel	13 or SB	0.5 - 25						0.65 B			
Potassium	SB	8,500 – 43,000						59.4 B			
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.56 U	0.59 U	0.58 U	0.56 U	0.56 U	0.58 U	0.56 U	0.63 U
Silver	SB	N/A	5.7	3.0	1.5	0.52 B	0.37 U	0.37 U	0.66 B	0.37 U	0.42 U
Sodium	SB	6,000 - 8,000						9.1 B			
Thallium	SB	N/A						0.52 U			
Vanadium	150 or SB	1 - 300						2.5 B			
Zinc	20 or SB	9 - 50						4.5			
Chromium, hexavalent								1.0 J			
Cyanide								0.52 U			

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring D-5								
			0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
			TOB017	TOB017	TOB017	TOB017	TOB017	TOB017	TOB017	TOB017	TOB017
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.11** B	**0.13**	0.055 U	0.056 B	0.052 U	0.051 U	0.057 U	0.053 U	0.060 U
Aluminum	SB	33,000		7310 E							
Antimony	SB	N/A		0.36 U							
Arsenic	7.5 or SB	3 - 12	4.0	6.6	2.2	2.5	1.3	2.1	7.1	0.60 U	0.67 U
Barium	300 or SB	15 - 600	24.3	23.5	18.4	17.3	9.8	5.3	3.8	1.8	3.2
Beryllium	0.16 or SB	0 - 1.75		1.9 U							
Calcium	SB	130 – 35,000		699							
Cadmium	10	0.1 - 1	0.67	0.65	0.13 B	1.1	0.10 B	0.037 U	0.042 U	0.039 U	0.044 U
Chromium	50	1.5 - 40	29.6	23.8	18.3	**62.7**	7.0	7.7	2.7	1.5	1.4
Cobalt	30 or SB	2.5 - 60		2.3 B							
Copper	25 or SB	1 - 50		21.0							
Iron	2,000 or SB	2,000 – 550,000		**9320** *							
Lead	400	200 - 500	16.4	22.9	4.5	12.3	1.3	0.12 U	1.9	1.1	1.9
Magnesium	SB	100 – 5,000		838							
Manganese	SB	50 – 5,000		122 *							
Nickel	13 or SB	0.5 - 25		4.8							
Potassium	SB	8,500 – 43,000		305 BE							
Selenium	2 or SB	0.1 - 3.9	0.59 U	0.59 U	0.59 U	0.59 U	0.56 U	0.55 U	0.61 U	0.57 U	0.64 U
Silver	SB	N/A	1.7	2.8	0.39 U	4.1	0.37 U	0.37 U	0.41 U	0.38 U	0.43 U
Sodium	SB	6,000 - 8,000		22.0 B							
Thallium	SB	N/A		0.55 U							
Vanadium	150 or SB	1 - 300		13.8							
Zinc	20 or SB	9 - 50		**38.2** *E							
Chromium, hexavalent				6.4							
Cyanide				0.55 U							

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N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring D-7													
			0-2		2-4		8-10		18-20		28-30		38-40		48-50		58-60	
			TOB021		TOB021		TOB021		TOB021		TOB021		TOB021		TOB021		TOB021	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.052	U	0.054	U	0.054	U	0.052	U	0.055	U	0.053	U	0.061	U	0.058	U
Aluminum	SB	33,000									4640	*						
Antimony	SB	N/A									4.0	B						
Arsenic	7.5 or SB	3 - 12	2.5	*E	3.0	*E	3.7	*E	1.4	*E	**26.3**	*E	**11.4**	*E	2.4	*E	1.2	*E
Barium	300 or SB	15 - 600	13.4	B	17.3	B	31.1		8.8	B	8.9	B	11.6	B	3.8	B	1.9	B
Beryllium	0.16 or SB	0 - 1.75									1.0							
Calcium	SB	130 – 35,000									405	BE						
Cadmium	10	0.1 - 1	0.50	B*	0.57	*	0.45	B*	0.18	B*	1.3	*	0.66	*	0.080	U*	0.076	U*
Chromium	50	1.5 - 40	10.9	*E	16.9	*E	25.5	*E	13.8	*E	**95.7**	*E	47.5	*E	2.5	*E	1.3	*E
Cobalt	30 or SB	2.5 - 60									1.6	B						
Copper	25 or SB	1 - 50									2.0	B						
Iron	2,000 or SB	2,000 – 550,000									**120000**	*						
Lead	400	200 - 500	5.4	*E	6.7	*E	5.7	*E	2.0	*E	17.4	*E	6.8	*E	2.5	*E	1.8	*E
Magnesium	SB	100 – 5,000									300	BE						
Manganese	SB	50 – 5,000									127	N*						
Nickel	13 or SB	0.5 - 25									5.9							
Potassium	SB	8,500 – 43,000									207	B						
Selenium	2 or SB	0.1 - 3.9	0.49	UN	0.50	UN	0.50	UN	0.49	UN	0.52	UN	0.50	UN	0.57	UN	0.54	UN
Silver	SB	N/A	1.4		0.77	B	0.39	B	0.17	B	0.53	B	0.14	U	0.16	U	0.16	U
Sodium	SB	6,000 - 8,000									13.3	B						
Thallium	SB	N/A									5.3	N*						
Vanadium	150 or SB	1 - 300									114	*						
Zinc	20 or SB	9 - 50									**23.0**	NE						
Chromium, hexavalent											1.6							
Cyanide											0.55	U						

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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring D-9									
			0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60
			TOB021	TOB021	TOB021	TOB021	TOB021	TOB021	TOB021	TOB021	TOB021	TOB021
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.052 U	0.053 U	0.051 U	0.051 U	0.051 U	0.051 U	0.052 U	0.052 U	0.052 U	0.057 U
Aluminum	SB	33,000									505 *	
Antimony	SB	N/A									0.60 U	
Arsenic	7.5 or SB	3 - 12	2.3 *E	2.8 *E	0.57 B*E	0.31 U*E	1.0 *E	4.6 *E	5.2 *E	0.57 B*E	6.3 *E	2.4 *E
Barium	300 or SB	15 - 600	14.1 B	18.7 B	3.8 B	4.2 B	6.9 B	7.0 B	6.5 B	3.3 B	4.2 B	4.1 B
Beryllium	0.16 or SB	0 - 1.75									0.11 B	
Calcium	SB	130 – 35,000									84.0 BE	
Cadmium	10	0.1 - 1	0.17 B*	0.27 B*	0.067 U*	0.067 U*	0.067 U*	0.067 U*	0.068 U*	0.069 U*	0.068 U*	0.082 B*
Chromium	50	1.5 - 40	10.2 *E	25.8 *E	3.1 *E	4.2 *E	7.7 *E	8.9 *E	26.0 *E	4.1 *E	8.0 *E	3.5 *E
Cobalt	30 or SB	2.5 - 60									0.40 B	
Copper	25 or SB	1 - 50									3.4	
Iron	2,000 or SB	2,000 – 550,000									**6480** *	
Lead	400	200 - 500	3.8 *E	5.1 *E	0.92 *E	1.1 *E	1.6 *E	1.6 *E	2.1 *E	2.1 *E	1.8 *E	1.4 *E
Magnesium	SB	100 – 5,000									28.0 BE	
Manganese	SB	50 – 5,000									17.0 N*	
Nickel	13 or SB	0.5 - 25									0.68 U	
Potassium	SB	8,500 – 43,000									65.4 B	
Selenium	2 or SB	0.1 - 3.9	0.49 UN	0.50 UN	0.48 UN	0.48 UN	0.48 UN	0.48 UN	0.48 UN	0.49 UN	0.49 UN	0.53 UN
Silver	SB	N/A	0.18 B	0.27 B	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.15 U
Sodium	SB	6,000 - 8,000									22.1 B	
Thallium	SB	N/A									0.42 UN*	
Vanadium	150 or SB	1 - 300									7.3 *	
Zinc	20 or SB	9 - 50									5.8 NE	
Chromium, hexavalent											1 U	
Cyanide											0.52 U	

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N – Matrix spike sample recovery not within control limits.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring D-11								
			0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
			TOB026	TOB026	TOB026	TOB026	TOB026	TOB026	TOB026	TOB026	TOB026
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.053 U	0.051 U	0.053 U	0.052 U	0.052 U	0.052 U	0.053 U	0.052 U	0.055 U
Aluminum	SB	33,000			3450						
Antimony	SB	N/A			0.35 U						
Arsenic	7.5 or SB	3 - 12	2.2	1.6	1.4	0.59 U	0.84 B	**21.5**	**50.7** B	**21.3**	4.1
Barium	300 or SB	15 - 600	19.0 B	12.9 B	9.0 B	2.8 B	8.4 B	3.8 B	7.3 B	2.8 B	2.7 B
Beryllium	0.16 or SB	0 - 1.75			1.8 U						
Calcium	SB	130 – 35,000			218 B						
Cadmium	10	0.1 - 1	0.21 B	0.091 B	0.055 B	0.038 U	0.038 U	0.038 U	0.77 U	0.038 U	0.040 U
Chromium	50	1.5 - 40	7.2	10.1	9.1	4.2	3.6	**51.8**	**165** B	35.9	9.9
Cobalt	30 or SB	2.5 - 60			2.7 B						
Copper	25 or SB	1 - 50			4.1						
Iron	2,000 or SB	2,000 – 550,000			**5570**						
Lead	400	200 - 500	6.4 N	10.0 N	3.2 N	0.77 N	0.86 N	0.12 UN	2.5 UN	0.12 UN	1.7 N
Magnesium	SB	100 – 5,000			468 B						
Manganese	SB	50 – 5,000			136						
Nickel	13 or SB	0.5 - 25			2.9 B						
Potassium	SB	8,500 – 43,000			169 BE						
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.55 U	0.57 U	0.56 U	0.56 U	0.56 U	11.3 U	0.56 U	0.59 U
Silver	SB	N/A	0.38 U	0.37 U	0.38 U	0.37 U	0.37 U	0.37 U	7.6 U	0.37 U	0.40 U
Sodium	SB	6,000 - 8,000			19.7 B						
Thallium	SB	N/A			0.53 U						
Vanadium	150 or SB	1 - 300			5.9						
Zinc	20 or SB	9 - 50			13.5						
Chromium, hexavalent					1.1 U						
Cyanide					0.53 U						

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring D-2				Boring D-4			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB016	TOB016	TOB016	TOB016	TOB012	TOB012	TOB012	TOB012
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.061 B	0.070 B	0.053 U	0.060 B	**0.11**	0.054 U	0.056 U	0.054 U*
Aluminum	SB	33,000		6740				2890 *		
Antimony	SB	N/A		0.34 U				0.35 U		
Arsenic	7.5 or SB	3 - 12	4.1	**17.0**	5.5	5.1	6.2 *	1.4 *	2.3 *	0.61 U*
Barium	300 or SB	15 - 600	49.3	23.3	28.4	19.9 B	22.6	11.6 B	22.2 B	1.8 B
Beryllium	0.16 or SB	0 - 1.75		1.8 U				1.8 U		
Calcium	SB	130 – 35,000		421 BE				198 B*		
Cadmium	10	0.1 - 1	2.0 N*	0.91 N*	0.85 N*	0.73 N*	1.1	0.48 B	0.77	0.058 B
Chromium	50	1.5 - 40	40.2	35.4	34.8	28.7	46.3 *	15.2 *	28.8 *	2.8 *
Cobalt	30 or SB	2.5 - 60		3.3 B				1.8 B		
Copper	25 or SB	1 - 50		12.2 N*				9.1 *		
Iron	2,000 or SB	2,000 – 550,000		**8890**				**5420**		
Lead	400	200 - 500	18.0	10.5	12.2	11.3	26.3 *	5.4 *	7.0 *	0.59 *
Magnesium	SB	100 – 5,000		965				431 B		
Manganese	SB	50 – 5,000		128				81.8		
Nickel	13 or SB	0.5 - 25		4.9				2.6 B		
Potassium	SB	8,500 – 43,000		338 B				194 BE		
Selenium	2 or SB	0.1 - 3.9	0.55 U	0.56 U	0.56 U	0.57 U	0.58 U	0.57 U	0.60 U	0.58 U
Silver	SB	N/A	5.5	1.4	2.2	2.1	8.4	2.2	0.51 B	0.38 U
Sodium	SB	6,000 - 8,000		31.3 B				19.8 B		
Thallium	SB	N/A		0.52 U				0.53 U		
Vanadium	150 or SB	1 - 300		12.5				6.7		
Zinc	20 or SB	9 - 50		**46.6** N*				**22.6** *		
Chromium, hexavalent				1.6				2.5		
Cyanide				0.5 E				0.6 E		

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring D-6				Boring D-8			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB013	TOB013	TOB013	TOB013	TOB028	TOB028	TOB028	TOB028
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.056 B	0.056 U	**0.17**	**0.12**	0.054 U	0.056 B	0.054 U	0.052 U
Aluminum	SB	33,000		6040 *			4100 *	5960 *		
Antimony	SB	N/A		0.36 U			0.35 U	0.35 U		
Arsenic	7.5 or SB	3 - 12	2.9 *	2.6 *	5.2 *	3.3 *	2.7	2.0	3.0	0.58 U
Barium	300 or SB	15 - 600	27.7	21.1 B	35.0	28.8	14.3 B	17.6 B	20.7 B	6.3 B
Beryllium	0.16 or SB	0 - 1.75		1.9 U			1.8 U	1.8 U		
Calcium	SB	130 – 35,000		430 BE			1350 *	313 B*		
Cadmium	10	0.1 - 1	1.5	**14.4**	2.1	4.4	0.42 B	0.63	0.91	0.098 B
Chromium	50	1.5 - 40	26.7 *	16.7 *	46.1 *	31.4 *	15.2	26.8	40.3	10.5
Cobalt	30 or SB	2.5 - 60		2.7 B			2.1 B	2.8 B		
Copper	25 or SB	1 - 50		30.7 *			7.2	20.8		
Iron	2,000 or SB	2,000 – 550,000		**8430** *			**5790**	**8280**		
Lead	400	200 - 500	33.0 *	16.6 *	47.5 *	20.5 *	16.5 *	9.1 *	20.2 *	1.8 *
Magnesium	SB	100 – 5,000		776			702	804		
Manganese	SB	50 – 5,000		126 *			73.9 *	60.4 *		
Nickel	13 or SB	0.5 - 25		4.8			3.9 B	4.2 B		
Potassium	SB	8,500 – 43,000		350 BE			194 B	232 B		
Selenium	2 or SB	0.1 - 3.9	0.55 UN	0.60 UN	0.59 UN	0.56 UN	0.58 U	0.58 U	0.58 U	0.56 U
Silver	SB	N/A	3.2	2.0	11.4	3.9	0.62 B	3.8	2.5	0.37 U
Sodium	SB	6,000 - 8,000		22.4 B			49.4 B	79.0 B		
Thallium	SB	N/A		0.55 U			0.54 U	0.54 U		
Vanadium	150 or SB	1 - 300		12.2 *			8.2	10.1		
Zinc	20 or SB	9 - 50		**34.6** N*E			**30.2** *E	**28.8** *E		
Chromium, hexavalent				1.1 U			1.1 U			
Cyanide				8.0 E			0.54 U			

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring D-10								Boring D-12							
			0-2		2-4		4-6		8-10		0-2		2-4		4-6		8-10	
			TOB034		TOB034		TOB034		TOB034		TOB035		TOB035		TOB035		TOB035	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.052	U	0.052	U	0.052	U	0.052	U	0.053	UN	0.051	UN	0.052	UN	0.052	UN
Aluminum	SB	33,000	2180										2430					
Antimony	SB	N/A	0.34	U									0.59	UN				
Arsenic	7.5 or SB	3 - 12	3.0		2.0		3.6		1.4		1.7		1.6		0.74	B	1.1	
Barium	300 or SB	15 - 600	8.4	B	11.9	B	9.5	B	14.4	B	9.1	B	5.5	B	6.2	B	3.6	B
Beryllium	0.16 or SB	0 - 1.75	1.8	U									0.11	B				
Calcium	SB	130 – 35,000	447	B									222	B				
Cadmium	10	0.1 - 1	0.073	B	0.038	U	0.092	B	0.038	U	0.18	B	0.067	U	0.068	U	0.068	U
Chromium	50	1.5 - 40	7.7	*	6.9	*	12.3	*	23.9	*	11.1	N	10.8	N	12.6	N	6.0	N
Cobalt	30 or SB	2.5 - 60	1.1	B									2.3	B				
Copper	25 or SB	1 - 50	4.1										3.1	*				
Iron	2,000 or SB	2,000 – 550,000	**5850**										**7770**					
Lead	400	200 - 500	8.5		2.3		5.9		1.7		6.9		2.9		2.2		1.5	
Magnesium	SB	100 – 5,000	357	B									365	B				
Manganese	SB	50 – 5,000	70.0										130	*				
Nickel	13 or SB	0.5 - 25	2.5	B									3.1	B				
Potassium	SB	8,500 – 43,000	221	B									181	B				
Selenium	2 or SB	0.1 - 3.9	0.55	UN	0.56	UN	0.56	UN	0.56	UN	0.49	U	0.48	U	0.48	U	0.49	U
Silver	SB	N/A	0.37	U	0.37	U	0.37	U	0.37	U	0.35	B	0.14	U	0.14	U	0.14	U
Sodium	SB	6,000 - 8,000	15.6	B									24.0	B				
Thallium	SB	N/A	0.52	U									0.41	U				
Vanadium	150 or SB	1 - 300	8.3										7.5					
Zinc	20 or SB	9 - 50	15.5										8.1					
Chromium, hexavalent													1	U				
Cyanide													0.51	U				

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring E-1				Boring E-2			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB041	TOB041	TOB041	TOB041	TOB016	TOB016	TOB016	TOB016
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.10** B	0.051 U	0.051 U	0.052 U	0.072 B	**0.11** B	0.054 U	0.052 U
Aluminum	SB	33,000		1190				8670		
Antimony	SB	N/A		0.33 U				0.36 U		
Arsenic	7.5 or SB	3 - 12	3.8	1.4	1.2	0.58 U	**10.0**	4.8	1.6	0.85 B
Barium	300 or SB	15 - 600	22.0	3.9 B	8.3 B	7.6 B	27.2	26.0	15.1 B	9.3 B
Beryllium	0.16 or SB	0 - 1.75		1.7 U				1.9 U		
Calcium	SB	130 – 35,000		72.8 B				1080 E		
Cadmium	10	0.1 - 1	1.2 N	0.037 UN	0.083 BN	0.038 UN	0.68 N*	2.5 N*	0.96 N*	0.36 BN*
Chromium	50	1.5 - 40	32.4	4.3	23.2	15.2	20.6	22.4	**56.7**	22.5
Cobalt	30 or SB	2.5 - 60		1.1 B				3.9 B		
Copper	25 or SB	1 - 50		3.2				19.6 N*		
Iron	2,000 or SB	2,000 – 550,000		**3570**				**9620**		
Lead	400	200 - 500	44.8	0.91	2.1	0.66	23.4	13.5	5.8	2.3
Magnesium	SB	100 – 5,000		196 B				1340		
Manganese	SB	50 – 5,000		71.1				133		
Nickel	13 or SB	0.5 - 25		2.0 B				5.8		
Potassium	SB	8,500 – 43,000		132 BE				372 B		
Selenium	2 or SB	0.1 - 3.9	0.55 UN	0.54 UN	0.54 UN	0.55 UN	0.62 U	0.59 U	0.58 U	0.56 U
Silver	SB	N/A	1.6	0.36 U	0.36 U	0.37 U	1.2	2.0	0.86 B	0.37 U
Sodium	SB	6,000 - 8,000		14.8 B				28.9 B		
Thallium	SB	N/A		0.51 U				0.55 U		
Vanadium	150 or SB	1 - 300		6.9				14.6		
Zinc	20 or SB	9 - 50		5.4 N				**60.2** N*		
Chromium, hexavalent				1 U				1.6		
Cyanide				0.51 U				0.55 U		

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring E-3				Boring E-4			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB023	TOB023	TOB023	TOB023	TOB012	TOB012	TOB012	TOB012
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.054 U	**0.15**	0.084 B	0.054 U	**0.11**	0.079 B	0.056 U	0.055 B
Aluminum	SB	33,000			7370			6770 *		
Antimony	SB	N/A			0.36 U			0.37 U		
Arsenic	7.5 or SB	3 - 12	3.4 N*	**7.7** N*	6.2 N*	3.5 N*	4.2 *	3.7 *	4.1 *	2.0 *
Barium	300 or SB	15 - 600	14.7 B	29.8	26.9	21.9	17.1 B	21.1 B	23.6	15.9 B
Beryllium	0.16 or SB	0 - 1.75			1.9 U			1.9 U		
Calcium	SB	130 – 35,000			358 B			661 *		
Cadmium	10	0.1 - 1	1.2	0.91	0.39 B	1.1	1.4	1.7	2.1	0.95
Chromium	50	1.5 - 40	42.1 *E	16.0 *E	17.2 *E	**62.9** *E	29.3 *	18.3 *	27.8 *	27.7 *
Cobalt	30 or SB	2.5 - 60			2.4 B			2.7 B		
Copper	25 or SB	1 - 50			23.9			21.1 *		
Iron	2,000 or SB	2,000 – 550,000			**9190** *			**7850**		
Lead	400	200 - 500	17.2 *	21.5 *	20.0 *	10.3 *	21.8 *	16.5 *	17.6 *	7.3 *
Magnesium	SB	100 – 5,000			716			841		
Manganese	SB	50 – 5,000			160 *			121		
Nickel	13 or SB	0.5 - 25			6.7			4.7		
Potassium	SB	8,500 – 43,000			222 B			360 BE		
Selenium	2 or SB	0.1 - 3.9	0.58 U	0.66	0.59 U	0.58 U	0.58 U	0.60 U	0.60 U	0.59 U
Silver	SB	N/A	6.7	0.97 B	2.1	1.7	3.0	3.7	3.4	1.0 B
Sodium	SB	6,000 - 8,000			20.8 B			28.4 B		
Thallium	SB	N/A			0.62 B			0.56 U		
Vanadium	150 or SB	1 - 300			13.9			13.4		
Zinc	20 or SB	9 - 50			**32.0** *			**33.7** *		
Chromium, hexavalent					1.1 U			1.1 U		
Cyanide					0.8			0.56 U		

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring E-5				Boring E-6			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB023	TOB023	TOB023	TOB023	TOB015	TOB015	TOB015	TOB015
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.11**	0.057 B	0.054 U	0.053 U	**0.20**	0.051 U	0.052 U	0.052 U
Aluminum	SB	33,000		5000				2880 *		
Antimony	SB	N/A		0.35 U				0.34 U		
Arsenic	7.5 or SB	3 - 12	5.3 N*	2.2 N*	2.5 N*	2.9 N*	6.8	1.5	1.1	2.0
Barium	300 or SB	15 - 600	23.4	15.1 B	14.9 B	26.8	31.0	10.2 B	10.7 B	14.9 B
Beryllium	0.16 or SB	0 - 1.75		1.8 U				1.8 U		
Calcium	SB	130 – 35,000		313 B				197 BE		
Cadmium	10	0.1 - 1	1.3	0.44 B	0.26 B	0.59	0.85	0.25 B	0.14 B	0.17 B
Chromium	50	1.5 - 40	30.0 *E	33.6 *E	38.4 *E	**55.5** *E	21.4 N	9.6 N	11.5 N	13.8 N
Cobalt	30 or SB	2.5 - 60		2.3 B				1.7 B		
Copper	25 or SB	1 - 50		7.2				3.8		
Iron	2,000 or SB	2,000 – 550,000		**6430** *				**4640**		
Lead	400	200 - 500	19.4 *	5.7 *	5.6 *	7.4 *	18.3 *	2.7 *	1.9 *	6.0 *
Magnesium	SB	100 – 5,000		652				495 B		
Manganese	SB	50 – 5,000		61.3 *				61.5 N		
Nickel	13 or SB	0.5 - 25		4.3				3.1 B		
Potassium	SB	8,500 – 43,000		199 B				178 BE		
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.57 U	0.58 U	0.57 U	0.62	0.55 U	0.55 U	0.56 U
Silver	SB	N/A	3.2	1.2	0.78 B	0.93 B	2.2	0.37 U	0.37 U	0.50 B
Sodium	SB	6,000 - 8,000		40.7 B				38.2 B		
Thallium	SB	N/A		0.53 U				0.51 U		
Vanadium	150 or SB	1 - 300		8.3				5.3		
Zinc	20 or SB	9 - 50		**28.7** *				18.9 *E		
Chromium, hexavalent				1.1 U				1 U		
Cyanide				0.53 U				0.51 U		

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring E-7								Boring E-8							
			0-2		2-4		4-6		8-10		0-2		2-4		4-6		6-8		8-10	
			TOB023		TOB023		TOB023		TOB023		TOB028		TOB028		TOB028		TOB028		TOB028	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.052	U	0.051	U	0.052	U	0.051	U	0.052	U	0.052	U	0.051	U	0.051	U	0.051	U
Aluminum	SB	33,000	1440																921	*
Antimony	SB	N/A	0.34	U															0.34	U
Arsenic	7.5 or SB	3 - 12	2.2	N*	0.82	BN*	1.6	N*	0.85	BN*	1.5		1.7		0.58	U	0.58	U	0.58	U
Barium	300 or SB	15 - 600	4.7	B	4.1	B	16.0	B	4.0	B	6.5	B	6.1	B	5.4	B	6.1	B	4.8	B
Beryllium	0.16 or SB	0 - 1.75	1.8	U															1.7	U
Calcium	SB	130 – 35,000	973																99.2	B*
Cadmium	10	0.1 - 1	0.038	U	0.037	U	0.054	B	0.037	U	0.038	U	0.038	U	0.038	U	0.038	U	0.037	U
Chromium	50	1.5 - 40	5.1	*E	2.3	*E	11.5	*E	2.9	*E	3.2		2.8		19.7		18.2		2.9	
Cobalt	30 or SB	2.5 - 60	1.2	B															0.76	B
Copper	25 or SB	1 - 50	3.0																1.5	B
Iron	2,000 or SB	2,000 – 550,000	**5900**	*															**3160**	
Lead	400	200 - 500	0.82	*	0.68	*	1.9	*	0.36	*	1.4	*	1.7	*	1.0	*	0.64	*	0.80	*
Magnesium	SB	100 – 5,000	301	B															184	B
Manganese	SB	50 – 5,000	66.6	*															44.1	*
Nickel	13 or SB	0.5 - 25	3.0	B															1.4	B
Potassium	SB	8,500 – 43,000	146	B															122	B
Selenium	2 or SB	0.1 - 3.9	0.55	U	0.55	U	0.56	U	0.55	U	0.56	U	0.55	U	0.55	U	0.55	U	0.55	U
Silver	SB	N/A	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Sodium	SB	6,000 - 8,000	55.5	B															19.8	B
Thallium	SB	N/A	0.52	U															0.51	U
Vanadium	150 or SB	1 - 300	4.5	B															2.4	B
Zinc	20 or SB	9 - 50	11.3	*															4.8	*E
Chromium, hexavalent			1	U															1	U
Cyanide			0.52	U															0.51	U

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring E-9					Boring E-10		
			0-2	2-4	4-6	6-8	8-10	0-2	2-4	4-6
			TOB030	TOB030	TOB030	TOB030	TOB030	TOB028	TOB028	TOB028
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.067 B	0.057 B	0.052 U	0.052 U	0.067 B	0.051 U	0.052 U	0.051 U
Aluminum	SB	33,000				1050 *		2350 *		
Antimony	SB	N/A				0.60 U		0.33 U		
Arsenic	7.5 or SB	3 - 12	3.5	0.83 B	0.82 B	0.49 B	3.2	2.1	1.4	2.9
Barium	300 or SB	15 - 600	18.5 B	5.1 B	12.9 B	3.4 B	20.5 B	17.6 B	14.0 B	49.8
Beryllium	0.16 or SB	0 - 1.75				0.12 B		1.7 U		
Calcium	SB	130 – 35,000				61.5 B		4220 *		
Cadmium	10	0.1 - 1	0.22 B	0.066 U	0.068 U	0.068 U	0.12 B	0.13 B	0.038 U	0.16 B
Chromium	50	1.5 - 40	10.1	2.9	4.8	2.4	16.9	7.6	8.5	12.4
Cobalt	30 or SB	2.5 - 60				0.98 B		1.5 B		
Copper	25 or SB	1 - 50				1.9 B		4.5		
Iron	2,000 or SB	2,000 – 550,000				**3130** *		**4020**		
Lead	400	200 - 500	6.6	1.2	4.5	1.3	21.3	6.8 *	3.0 *	11.5 *
Magnesium	SB	100 – 5,000				230 B		505 B		
Manganese	SB	50 – 5,000				44.8		56.7 *		
Nickel	13 or SB	0.5 - 25				2.1 B		1.9 B		
Potassium	SB	8,500 – 43,000				134 B		191 B		
Selenium	2 or SB	0.1 - 3.9	0.49 UN	0.47 UN	0.49 UN	0.49 UN	0.49 UN	0.54 U	0.56 U	0.55 U
Silver	SB	N/A	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.36 U	0.37 U	0.37 U
Sodium	SB	6,000 - 8,000				17.5 B		16.8 B		
Thallium	SB	N/A				0.42 U		0.51 U		
Vanadium	150 or SB	1 - 300				2.9 B		5.4		
Zinc	20 or SB	9 - 50				4.0		**39.2** *E		
Chromium, hexavalent						1 U		1 U		
Cyanide						0.52 U		0.51 U		

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring E-11				Boring E-13			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB044	TOB044	TOB044	TOB044	TOB025	TOB025	TOB025	TOB025
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.054 UN	0.052 UN	0.051 UN	0.051 UN	0.053 UN	0.051 UN	0.051 UN	0.051 UN
Aluminum	SB	33,000		4080				1470		
Antimony	SB	N/A		0.60 U				0.59 U		
Arsenic	7.5 or SB	3 - 12	0.76 B	1.4	1.1	**9.5**	6.7	1.2	0.99 B	0.65 B
Barium	300 or SB	15 - 600	8.4 B	13.5 B	5.4 B	5.7 B	15.0 B	5.6 B	7.5 B	6.6 B
Beryllium	0.16 or SB	0 - 1.75		0.11 B				0.10 B		
Calcium	SB	130 – 35,000		464 B				124 B*		
Cadmium	10	0.1 - 1	0.17 BE	0.12 BE	0.067 UE	0.067 UE	0.42 B	0.72	0.83	0.32 B
Chromium	50	1.5 - 40	5.1	7.3	4.9	7.8	19.2	25.6	48.1	39.4
Cobalt	30 or SB	2.5 - 60		2.4 B				1.0 B		
Copper	25 or SB	1 - 50		5.6 E				3.6 N		
Iron	2,000 or SB	2,000 – 550,000		**7000** E				**4190**		
Lead	400	200 - 500	3.0	3.9	2.5	2.2	18.9 *	2.6 *	4.2 *	2.6 *
Magnesium	SB	100 – 5,000		742				215 B		
Manganese	SB	50 – 5,000		102				57.0		
Nickel	13 or SB	0.5 - 25		3.4 B				2.0 B		
Potassium	SB	8,500 – 43,000		259 BE				106 BE		
Selenium	2 or SB	0.1 - 3.9	0.50 U	0.49 U	0.79	0.55	0.50 UN	0.48 UN	0.56 N	0.48 UN
Silver	SB	N/A	0.14 U	0.14 U	0.14 U	0.14 U	1.1 N	0.14 UN	0.14 UN	0.14 UN
Sodium	SB	6,000 - 8,000		60.9 B				16.1 B		
Thallium	SB	N/A		0.52 B				0.41 U		
Vanadium	150 or SB	1 - 300		9.0				3.5 B		
Zinc	20 or SB	9 - 50		11.4 E				16.1		
Chromium, hexavalent				1 U				3.5		
Cyanide				0.52 UN				0.51 U		

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring F-1									
			0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60
			TOB040	TOB040	TOB040	TOB040	TOB040	TOB040	TOB040	TOB040	TOB040	TOB040
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.075 B	0.062 B	0.051 U	0.051 U	0.053 U	0.051 U	0.051 U	0.052 U	0.055 U	0.052 U
Aluminum	SB	33,000						5400				
Antimony	SB	N/A						0.34 U				
Arsenic	7.5 or SB	3 - 12	4.0	3.8	1.1	0.86 B	5.3	1.6	4.7	1.3	2.0	1.4
Barium	300 or SB	15 - 600	15.0 B	29.2	10.6 B	4.1 B	27.8	24.7	12.0 B	6.1 B	4.8 B	4.2 B
Beryllium	0.16 or SB	0 - 1.75						1.7 U				
Calcium	SB	130 – 35,000						180 B*				
Cadmium	10	0.1 - 1	0.42 B	0.13 B	0.037 U	0.037 U	0.21 B	0.037 U	0.037 U	0.038 U	0.040 U	0.038 U
Chromium	50	1.5 - 40	18.1	17.0	3.8	2.2	20.8	6.8	10.4	6.9	2.6	4.4
Cobalt	30 or SB	2.5 - 60						2.1 B				
Copper	25 or SB	1 - 50						6.0				
Iron	2,000 or SB	2,000 – 550,000						**10700**				
Lead	400	200 - 500	11.6 NE	7.5 NE	1.5 NE	0.65 NE	12.5 NE	1.3 NE	0.12 UNE	0.49 NE	2.3 NE	1.3 NE
Magnesium	SB	100 – 5,000						1600				
Manganese	SB	50 – 5,000						165 N				
Nickel	13 or SB	0.5 - 25						7.0				
Potassium	SB	8,500 – 43,000						316 B				
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.60 U	0.55 U	0.55 U	0.57 U	0.55 U	0.55 U	0.56 U	0.59 U	0.56 U
Silver	SB	N/A	1.5	0.40 U	0.37 U	0.36 U	2.0	0.37 U	0.37 U	0.37 U	0.39 U	0.37 U
Sodium	SB	6,000 - 8,000						23.1 B				
Thallium	SB	N/A						0.66 B				
Vanadium	150 or SB	1 - 300						7.6				
Zinc	20 or SB	9 - 50						**20.8**				
Chromium, hexavalent								1 U				
Cyanide								0.51 U				

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring F-3								
			0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
			TOB043	TOB043	TOB043	TOB043	TOB043	TOB043	TOB043	TOB043	TOB043
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.11**	0.075 B	0.053 U	0.051 U	0.052 U	0.052 U	0.052 U	0.055 U	0.056 U
Aluminum	SB	33,000				1620					
Antimony	SB	N/A				0.34 U					
Arsenic	7.5 or SB	3 - 12	7.1	5.0	3.5	1.4	1.3	2.7	5.1	**38.0**	2.3
Barium	300 or SB	15 - 600	24.2	18.0 B	18.1 B	6.0 B	6.2 B	5.4 B	7.9 B	5.4 B	13.4 B
Beryllium	0.16 or SB	0 - 1.75				1.7 U					
Calcium	SB	130 – 35,000				159 B					
Cadmium	10	0.1 - 1	0.75	0.57	0.34 B	0.17 B	0.038 U	0.038 U	0.038 U	0.040 U	0.24 B
Chromium	50	1.5 - 40	25.7 *E	19.1 *E	17.8 *E	14.8 *E	4.0 *E	25.1 *E	15.9 *E	40.3 *E	11.2 *E
Cobalt	30 or SB	2.5 - 60				1.3 B					
Copper	25 or SB	1 - 50				3.7					
Iron	2,000 or SB	2,000 – 550,000				**6240**					
Lead	400	200 - 500	23.3 N*	15.7 N*	10.1 N*	2.0 N*	0.84 N*	0.37 N*	0.60 N*	0.22 BN*	5.2 N*
Magnesium	SB	100 – 5,000				283 BE					
Manganese	SB	50 – 5,000				74.7					
Nickel	13 or SB	0.5 - 25				2.0 B					
Potassium	SB	8,500 – 43,000				153 BE					
Selenium	2 or SB	0.1 - 3.9	0.57	0.57 U	0.56 U	0.55 U	0.56 U	0.56 U	0.56 U	0.59 U	0.20 U
Silver	SB	N/A	2.4	1.7	1.3	0.37 U	0.37 U	0.37 U	0.37 U	0.39 U	0.50 B
Sodium	SB	6,000 - 8,000				19.6 B					
Thallium	SB	N/A				0.83 B					
Vanadium	150 or SB	1 - 300				4.4 B					
Zinc	20 or SB	9 - 50				8.2 E					
Chromium, hexavalent						1 U					
Cyanide						0.51 U					

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring F-5								
			0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
			SDG	SDG	SDG	SDG	SDG	SDG	SDG	SDG	SDG
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.051 U	0.054 U	0.052 U	0.052 U	0.054 U	0.053 U	0.052 U	0.053 U	0.059 U
Aluminum	SB	33,000		3500 E							
Antimony	SB	N/A		0.36 U							
Arsenic	7.5 or SB	3 - 12	2.3	1.4	0.97	1.6	0.79	6.8	0.59 U	0.60 U	0.85
Barium	300 or SB	15 - 600	10.4	10.0	7.4	8.4	7.1	14.0	4.3	1.8	3.3
Beryllium	0.16 or SB	0 - 1.75		1.9 U							
Calcium	SB	130 – 35,000		673							
Cadmium	10	0.1 - 1	0.067 B	0.051 B	0.073 B	0.038 U	0.040 U	0.043 B	0.038 U	0.039 U	0.043 U
Chromium	50	1.5 - 40	24.9	13.2	11.4	32.5	6.9	50.3	3.9	0.42 B	3.5
Cobalt	30 or SB	2.5 - 60		2.2 B							
Copper	25 or SB	1 - 50		3.1							
Iron	2,000 or SB	2,000 – 550,000		**6990** *							
Lead	400	200 - 500	1.3	1.5	1.1	1.0	0.87	1.3	0.73	0.66	0.99
Magnesium	SB	100 – 5,000		597							
Manganese	SB	50 – 5,000		85.4 *							
Nickel	13 or SB	0.5 - 25		2.9 B							
Potassium	SB	8,500 – 43,000		231 BE							
Selenium	2 or SB	0.1 - 3.9	0.55 U	0.58 U	0.55 U	0.56 U	0.58 U	0.56 U	0.56 U	0.57 U	0.64 U
Silver	SB	N/A	0.37 U	0.39 U	0.37 U	0.37 U	0.39 U	0.38 U	0.37 U	0.38 U	0.43 U
Sodium	SB	6,000 - 8,000		27.0 B							
Thallium	SB	N/A		0.54 U							
Vanadium	150 or SB	1 - 300		6.7							
Zinc	20 or SB	9 - 50		9.8 *E							
Chromium, hexavalent				1.3							
Cyanide				0.54 U							

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N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring F-7													
			0-2		2-4		8-10		18-20		28-30		38-40		48-50		58-60	
			TOB029		TOB029		TOB029		TOB029		TOB029		TOB029		TOB029		TOB029	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.052	U	0.051	U	0.051	U	0.051	U	0.052	U	0.052	U	0.052	U	0.057	U
Aluminum	SB	33,000			1920													
Antimony	SB	N/A			0.34	U												
Arsenic	7.5 or SB	3 - 12	2.2		1.2		0.58	U	0.58	U	3.5		0.63	B	3.9		0.65	U
Barium	300 or SB	15 - 600	9.0	B	9.8	B	4.2	B	5.6	B	6.2	B	2.2	B	3.7	B	2.3	B
Beryllium	0.16 or SB	0 - 1.75			1.8	U												
Calcium	SB	130 – 35,000			11700	*												
Cadmium	10	0.1 - 1	0.17	B	0.061	B	0.038	U	0.037	U	0.038	U	0.038	U	0.038	U	0.042	U
Chromium	50	1.5 - 40	24.2	*	6.6	*	4.3	*	5.0	*	6.1	*	1.8	*	7.7	*	0.79	B*
Cobalt	30 or SB	2.5 - 60			1.4	B												
Copper	25 or SB	1 - 50			5.4													
Iron	2,000 or SB	2,000 – 550,000			**4150**													
Lead	400	200 - 500	3.0		2.8		1.1		0.51		0.59		1.0		1.2		0.77	
Magnesium	SB	100 – 5,000			3930	*												
Manganese	SB	50 – 5,000			68.7													
Nickel	13 or SB	0.5 - 25			2.7	B												
Potassium	SB	8,500 – 43,000			187	BE												
Selenium	2 or SB	0.1 - 3.9	0.56	U	0.55	U	0.55	U	0.55	U	0.56	U	0.56	U	0.56	U	0.62	U
Silver	SB	N/A	0.37	UN	0.75	BN	0.37	UN	0.37	UN	0.37	UN	0.37	UN	0.37	UN	0.41	UN
Sodium	SB	6,000 - 8,000			74.7	B												
Thallium	SB	N/A			0.51	U												
Vanadium	150 or SB	1 - 300			7.2													
Zinc	20 or SB	9 - 50			19.0	E												
Chromium, hexavalent					1	U												
Cyanide					0.51	U												

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring F-9									
			0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60
			TOB029	TOB029	TOB029	TOB029	TOB029	TOB029	TOB029	TOB029	TOB029	TOB029
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.051 B	0.051 U	0.051 U	0.052 U	0.051 U	0.066 B	0.064 B	0.053 U	0.052 U	0.057 U
Aluminum	SB	33,000				758						
Antimony	SB	N/A				0.34 U						
Arsenic	7.5 or SB	3 - 12	0.93 B	0.57 U	1.6	0.98 B	0.73 B	1.1	**28.7**	1.3	2.0	1.7
Barium	300 or SB	15 - 600	6.2 B	4.0 B	5.5 B	4.4 B	4.6 B	4.9 B	12.9 B	1.6 B	3.5 B	1.4 B
Beryllium	0.16 or SB	0 - 1.75				1.8 U						
Calcium	SB	130 – 35,000				126 B*						
Cadmium	10	0.1 - 1	0.037 U	0.037 U	0.038 U	0.038 U	0.037 U	0.037 U	0.041 U	0.039 U	0.038 U	0.042 U
Chromium	50	1.5 - 40	5.1 *	2.2 *	4.9 *	5.2 *	18.2 *	3.5 *	59.9 *	2.7 *	3.1 *	1.4 *
Cobalt	30 or SB	2.5 - 60				0.69 B						
Copper	25 or SB	1 - 50				1.6 B						
Iron	2,000 or SB	2,000 – 550,000				**2600**						
Lead	400	200 - 500	0.90	2.9	1.2	0.56	0.45	0.54	0.13 U	1.9	0.48	1.7
Magnesium	SB	100 – 5,000				180 B*						
Manganese	SB	50 – 5,000				32.7						
Nickel	13 or SB	0.5 - 25				1.3 B						
Potassium	SB	8,500 – 43,000				122 BE						
Selenium	2 or SB	0.1 - 3.9	0.55 U	0.55 U	0.55 U	0.56 U	0.55 U	0.55 U	0.61 U	0.57 U	0.55 U	0.61 U
Silver	SB	N/A	0.36 UN	0.36 UN	0.37 UN	0.37 UN	0.36 UN	0.37 UN	0.40 UN	0.38 UN	0.37 UN	0.41 UN
Sodium	SB	6,000 - 8,000				32.2 B						
Thallium	SB	N/A				0.52 U						
Vanadium	150 or SB	1 - 300				2.0 B						
Zinc	20 or SB	9 - 50				6.4 E						
Chromium, hexavalent						1 U						
Cyanide						0.52 U						

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring F-11								
			0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
			TOB033	TOB033	TOB033	TOB033	TOB033	TOB033	TOB033	TOB033	TOB033
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.053 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.053 U	0.052 U	0.058 U
Aluminum	SB	33,000			1290						
Antimony	SB	N/A			0.37 B						
Arsenic	7.5 or SB	3 - 12	1.7	2.7	0.66 B	0.65 B	0.61 B	**34.6**	**37.9** B	**9.1**	2.9
Barium	300 or SB	15 - 600	8.9 B	9.3 B	3.4 B	2.6 B	5.4 B	4.6 B	7.1 U	3.8 B	4.2 B
Beryllium	0.16 or SB	0 - 1.75			1.8 U						
Calcium	SB	130 – 35,000			175 B						
Cadmium	10	0.1 - 1	0.052 B	0.038 B	0.038 U	0.038 U	0.037 U	0.038 U	0.78 U	0.038 U	0.043 U
Chromium	50	1.5 - 40	7.3	7.6	8.6	6.4	2.2	37.0	**107** B	17.3	5.2
Cobalt	30 or SB	2.5 - 60			0.96 B						
Copper	25 or SB	1 - 50			1.5 B						
Iron	2,000 or SB	2,000 – 550,000			**2900** *						
Lead	400	200 - 500	11.4	6.7	1.0	0.52	0.28 B	0.12 U	2.5 U	1.3	1.5
Magnesium	SB	100 – 5,000			166 B						
Manganese	SB	50 – 5,000			65.0 *						
Nickel	13 or SB	0.5 - 25			1.7 B						
Potassium	SB	8,500 – 43,000			116 BE						
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	11.4 U	0.56 U	0.63 U
Silver	SB	N/A	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	7.6 U	0.37 U	0.42 U
Sodium	SB	6,000 - 8,000			14.6 B						
Thallium	SB	N/A			0.51 U						
Vanadium	150 or SB	1 - 300			2.3 B						
Zinc	20 or SB	9 - 50			5.0						
Chromium, hexavalent					1 U						
Cyanide					0.51 U						

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring F-13															
			0-2		2-4		4-6		8-10		18-20		28-30		38-40		48-50		58-60	
			TOB040		TOB040		TOB040		TOB040		TOB040		TOB040		TOB040		TOB040		TOB040	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.051	U	0.052	U	0.051	U	0.051	U	0.052	U	0.052	U	0.054	U	0.050	U	0.057	U
Aluminum	SB	33,000	2270																	
Antimony	SB	N/A	0.34	U																
Arsenic	7.5 or SB	3 - 12	5.5		2.9		2.9		0.89	B	0.79	B	1.6		4.2		**19.6**		2.5	
Barium	300 or SB	15 - 600	8.2	B	9.1	B	12.7	B	4.6	B	18.8	B	5.7	B	4.1	B	5.1	B	3.6	B
Beryllium	0.16 or SB	0 - 1.75	1.8	U																
Calcium	SB	130 – 35,000	3120	*																
Cadmium	10	0.1 - 1	0.34	B	0.47	B	0.35	B	0.038	U	0.038	U	0.038	U	0.039	U	0.040	U	0.042	U
Chromium	50	1.5 - 40	19.8		24.2		34.2		5.1		3.1		8.6		7.4		39.3		9.1	
Cobalt	30 or SB	2.5 - 60	6.1																	
Copper	25 or SB	1 - 50	5.4																	
Iron	2,000 or SB	2,000 – 550,000	**4720**																	
Lead	400	200 - 500	7.0	NE	4.9	NE	4.8	NE	0.86	NE	1.1	NE	0.92	NE	1.6	NE	0.13	UNE	0.80	NE
Magnesium	SB	100 – 5,000	715																	
Manganese	SB	50 – 5,000	59.7	N																
Nickel	13 or SB	0.5 - 25	2.0	B																
Potassium	SB	8,500 – 43,000	265	B																
Selenium	2 or SB	0.1 - 3.9	0.55	U	0.56	U	0.55	U	0.55	U	0.56	U	0.55	U	0.58	U	0.59	U	0.61	U
Silver	SB	N/A	0.96	B	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.38	U	0.39	U	0.41	U
Sodium	SB	6,000 - 8,000	94.6	B																
Thallium	SB	N/A	0.51	U																
Vanadium	150 or SB	1 - 300	7.6																	
Zinc	20 or SB	9 - 50	19.5																	
Chromium, hexavalent			1.1																	
Cyanide			0.51	U																

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring F-2				Boring F-4			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB041	TOB041	TOB041	TOB041	TOB024	TOB024	TOB024	TOB024
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.13**	0.080 B	0.052 U	**0.12**	0.054 U	0.053 U	0.051 U	0.051 U
Aluminum	SB	33,000		7880				1510 *		
Antimony	SB	N/A		0.35 U				0.35 U		
Arsenic	7.5 or SB	3 - 12	6.7	4.6	2.6	2.4	3.5	1.1	1.2	0.92 B
Barium	300 or SB	15 - 600	27.4	22.1	15.0 B	14.5 B	21.2 B	17.9 B	3.2 B	5.9 B
Beryllium	0.16 or SB	0 - 1.75		1.8 U				1.8 U		
Calcium	SB	130 – 35,000		790				119 BE		
Cadmium	10	0.1 - 1	1.4 N	0.85 N	0.61 N	0.51 BN	0.77	0.13 B	0.037 U	0.038 U
Chromium	50	1.5 - 40	42.7	39.7	22.9	25.9	22.8 *	2.0 *	4.7 *	13.4 *
Cobalt	30 or SB	2.5 - 60		3.7 B				4.7 B		
Copper	25 or SB	1 - 50		42.0				2.3 B		
Iron	2,000 or SB	2,000 – 550,000		**10300**				**2970** *		
Lead	400	200 - 500	28.0	23.8	12.1	10.2	16.3 N*	3.8 N*	0.72 N*	0.89 N*
Magnesium	SB	100 – 5,000		1050				239 B		
Manganese	SB	50 – 5,000		114				172 N*		
Nickel	13 or SB	0.5 - 25		6.8				2.4 B		
Potassium	SB	8,500 – 43,000		388 BE				127 BE		
Selenium	2 or SB	0.1 - 3.9	0.55 UN	0.58 UN	0.56 UN	0.56 UN	0.58 U	0.57 U	0.55 U	0.55 U
Silver	SB	N/A	7.0	8.4	3.8	3.0	0.70 B	0.38 U	0.36 U	0.37 U
Sodium	SB	6,000 - 8,000		26.6 B				17.1 B		
Thallium	SB	N/A		0.54 U				0.90 B		
Vanadium	150 or SB	1 - 300		15.0				2.9 B		
Zinc	20 or SB	9 - 50		**37.0** N				7.1 *		
Chromium, hexavalent				1.1 U				2.1		
Cyanide				2.8				0.53 U		

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring F-6				Boring F-8			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB023	TOB023	TOB023	TOB023	TOB028	TOB028	TOB028	TOB028
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.051 U	0.051 U	0.051 U	0.051 U	0.052 U	0.052 U	0.051 U	0.057 U
Aluminum	SB	33,000		1240			2050 *			
Antimony	SB	N/A		0.34 U			0.34 U			
Arsenic	7.5 or SB	3 - 12	1.3 N*	0.82 BN*	0.98 BN*	0.58 UN*	1.4	0.86 B	0.83 B	0.84 B
Barium	300 or SB	15 - 600	8.8 B	4.3 B	4.6 B	5.1 B	7.9 B	4.3 B	6.2 B	6.6 B
Beryllium	0.16 or SB	0 - 1.75		1.8 U			1.8 U			
Calcium	SB	130 – 35,000		204 B			3040 *			
Cadmium	10	0.1 - 1	0.051 B	0.038 U	0.038 U	0.038 U	0.068 B	0.038 U	0.039 B	0.042 U
Chromium	50	1.5 - 40	10.5 *E	2.3 *E	4.9 *E	9.3 *E	5.7	2.3	6.5	27.7
Cobalt	30 or SB	2.5 - 60		1.1 B			4.8 B			
Copper	25 or SB	1 - 50		1.8 B			4.1			
Iron	2,000 or SB	2,000 – 550,000		**4320** *			**5380**			
Lead	400	200 - 500	1.5 *	0.40 *	0.48 *	0.69 *	2.7 *	0.80 *	1.0 *	0.54 *
Magnesium	SB	100 – 5,000		348 B			635			
Manganese	SB	50 – 5,000		57.0 *			88.2 *			
Nickel	13 or SB	0.5 - 25		1.3 B			3.1 B			
Potassium	SB	8,500 – 43,000		134 B			168 B			
Selenium	2 or SB	0.1 - 3.9	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.56 U	0.55 U	0.61 U
Silver	SB	N/A	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.41 U
Sodium	SB	6,000 - 8,000		21.4 B			68.9 B			
Thallium	SB	N/A		0.51 U			0.52 U			
Vanadium	150 or SB	1 - 300		3.2 B			6.4			
Zinc	20 or SB	9 - 50		5.9 *			14.9 *E			
Chromium, hexavalent				1 U			1.7			
Cyanide				0.51 U			0.52 U			

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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring F-10			
			0-2	2-4	4-6	8-10
			TOB032	TOB032	TOB032	TOB032
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.055 U	0.052 U	0.052 U	0.052 U
Aluminum	SB	33,000		1960		
Antimony	SB	N/A		0.34 U		
Arsenic	7.5 or SB	3 - 12	2.0	2.1	0.99 B	1.4
Barium	300 or SB	15 - 600	12.0 B	7.6 B	5.0 B	9.1 B
Beryllium	0.16 or SB	0 - 1.75		1.8 U		
Calcium	SB	130 – 35,000		223 B		
Cadmium	10	0.1 - 1	0.041 U	0.038 U	0.038 U	0.038 U
Chromium	50	1.5 - 40	6.1	6.5	3.5	16.4
Cobalt	30 or SB	2.5 - 60		1.4 B		
Copper	25 or SB	1 - 50		2.8		
Iron	2,000 or SB	2,000 – 550,000		**11800**		
Lead	400	200 - 500	3.6	0.59	0.67	1.1
Magnesium	SB	100 – 5,000		348 B		
Manganese	SB	50 – 5,000		75.5		
Nickel	13 or SB	0.5 - 25		2.0 B		
Potassium	SB	8,500 – 43,000		157 B		
Selenium	2 or SB	0.1 - 3.9	0.60 U	0.55 U	0.56 U	0.56 U
Silver	SB	N/A	0.40 U	0.37 U	0.37 U	0.37 U
Sodium	SB	6,000 - 8,000		18.0 B		
Thallium	SB	N/A		0.62 B		
Vanadium	150 or SB	1 - 300		4.8 B		
Zinc	20 or SB	9 - 50		8.6		
Chromium, hexavalent				1 U		
Cyanide				0.52 U		

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N – Matrix spike sample recovery not within control limits.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring G-1					Boring G-2			
			0-2	2-4	4-6	6-8	8-10	0-2	2-4	4-6	8-10
			TOB041	TOB041	TOB041	TOB041	TOB041	TOB042	TOB042	TOB042	TOB042
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.14**	0.052 U	0.052 U	0.051 U	0.052 U	0.053 U	0.053 U	0.055 B	0.052 U
Aluminum	SB	33,000			5370				4570		
Antimony	SB	N/A			0.34 U				0.35 U		
Arsenic	7.5 or SB	3 - 12	5.2	2.2	2.4	**13.6**	1.4	7.1	3.1	2.9	0.90 B
Barium	300 or SB	15 - 600	25.6	13.1 B	41.1	5.7 B	24.7	14.6 B	0.65 B	12.8 B	8.2 B
Beryllium	0.16 or SB	0 - 1.75			1.8 U				1.8 U		
Calcium	SB	130 – 35,000			2590				574		
Cadmium	10	0.1 - 1	1.6 N	0.86 N	0.47 BN	0.074 BN	0.44 BN	0.69 N*	13.0 N*	1.4 N*	2.5 N*
Chromium	50	1.5 - 40	**55.6**	16.4	20.5	3.4	20.6	22.2 *	221 *	35.0 *	**55.2** *
Cobalt	30 or SB	2.5 - 60			6.7				2.8 B		
Copper	25 or SB	1 - 50			**57.6**				23.7 E		
Iron	2,000 or SB	2,000 – 550,000			**14900**				**7360**		
Lead	400	200 - 500	16.0	7.3	3.8	1.2	3.0	6.1	18.9	10.5	4.4
Magnesium	SB	100 – 5,000			1680				588		
Manganese	SB	50 – 5,000			105				161 N*		
Nickel	13 or SB	0.5 - 25			5.8				7.2		
Potassium	SB	8,500 – 43,000			444 BE				241 BE		
Selenium	2 or SB	0.1 - 3.9	0.57 UN	0.56 UN	0.56 UN	0.55 UN	0.55 UN	0.56 U	0.57 U	0.58 U	0.56 U
Silver	SB	N/A	6.9	1.0	1.5	0.37 U	0.93 B	1.8	2.2	2.1	0.37 U
Sodium	SB	6,000 - 8,000			315 B				21.5 B		
Thallium	SB	N/A			0.52 U				0.64 B		
Vanadium	150 or SB	1 - 300			41.1				8.0		
Zinc	20 or SB	9 - 50			**29.2** N				**117** N*		
Chromium, hexavalent					1.1				1.3		
Cyanide					0.52 U				0.88		

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring G-3															
			0-2		2-4		4-6		8-10		18-20		28-30		38-40		48-50		58-60	
			TOB043		TOB043		TOB043		TOB043		TOB043		TOB043		TOB043		TOB043		TOB043	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.052	U	0.054	U	0.054	U	**0.65**		0.064	B	0.053	U	0.051	U	0.055	UN	0.054	UN
Aluminum	SB	33,000							5560											
Antimony	SB	N/A							1.6	B										
Arsenic	7.5 or SB	3 - 12	0.85	B	2.5		1.8		1.6		1.1	B	1.4		0.74	B	**29.0**		0.80	B
Barium	300 or SB	15 - 600	4.1	B	19.1	B	69.0		69.2		22.2		10.6	B	5.0	B	5.4	B	6.2	B
Beryllium	0.16 or SB	0 - 1.75							1.9	U										
Calcium	SB	130 – 35,000							7340											
Cadmium	10	0.1 - 1	0.27	B	0.33	B	**103**		**141**		**36.2**		9.4		0.038	U	1.8		0.33	B
Chromium	50	1.5 - 40	11.1	*E	13.3	*E	**1600**	*E	**2380**	*E	**658**	*E	**184**	*E	7.1	*E	**78.6**	*	10.1	*
Cobalt	30 or SB	2.5 - 60							2.8	B										
Copper	25 or SB	1 - 50							**58.5**											
Iron	2,000 or SB	2,000 – 550,000							**4920**											
Lead	400	200 - 500	1.2	N*	5.4	N*	71.5	N*	81.1	N*	22.6	N*	6.1	N*	0.40	N*	7.7	N	2.0	N
Magnesium	SB	100 – 5,000							797	E										
Manganese	SB	50 – 5,000							95.5											
Nickel	13 or SB	0.5 - 25							14.7											
Potassium	SB	8,500 – 43,000							220	BE										
Selenium	2 or SB	0.1 - 3.9	0.56	U	0.58	U	0.58	U	0.59	U	0.58	U	0.57	U	0.55	U	0.98		0.50	U
Silver	SB	N/A	0.37	U	0.39	U	1.5		0.88	B	0.39	U	0.38	U	0.37	U	0.15	U	0.14	U
Sodium	SB	6,000 - 8,000							35.0	B										
Thallium	SB	N/A							0.55	U										
Vanadium	150 or SB	1 - 300							6.3											
Zinc	20 or SB	9 - 50							**857**	E										
Chromium, hexavalent									6.3											
Cyanide									14.4											

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring G-4					Boring G-5			
			0-2	2-4	4-6	8-10	12-14	0-2	2-4	4-6	8-10
			TOB035	TOB035	TOB035	TOB035	TOB035	TOB038	TOB038	TOB038	TOB038
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.051 UN	0.067 UN	**0.34** N	**1.0** N	0.056 UN	0.051 U	0.052 U	0.053 U	0.052 U
Aluminum	SB	33,000		1560		9240	4450		1450 *E		
Antimony	SB	N/A		0.78 UN		9.0 N	0.65 UN		0.60 U		
Arsenic	7.5 or SB	3 - 12	0.93 B	5.9	4.6	**7.7**	1.7	3.8	0.64 B	1.3	1.8
Barium	300 or SB	15 - 600	10.4 B	83.7	40.6	61.1	13.8 B	81.5 E	6.0 BE	8.9 BE	8.6 BE
Beryllium	0.16 or SB	0 - 1.75		0.86		0.18 B	0.10 B		0.12 B		
Calcium	SB	130 – 35,000		643 B		**162000**	2320		100 B		
Cadmium	10	0.1 - 1	0.40 B	0.91	7.6	**105**	0.23 B	0.34 B	0.16 B	0.10 B	0.087 B
Chromium	50	1.5 - 40	16.7 N	14.0 N	**142** N	**977** N	14.6 N	20.1 N*	11.0 N*	13.7 N*	15.6 N*
Cobalt	30 or SB	2.5 - 60		5.6 B		5.1 B	2.5 B		0.92 B		
Copper	25 or SB	1 - 50		**31.5** *		**179** *	4.7 *		2.0 B		
Iron	2,000 or SB	2,000 – 550,000		**3080**		**25800**	**8860**		**2290** E		
Lead	400	200 - 500	2.3	6.1	112	224	6.5	3.3 N*	1.6 N*	2.2 N*	2.6 N*
Magnesium	SB	100 – 5,000		102 B		1820	629		201 BE		
Manganese	SB	50 – 5,000		8.4 *		214 *	59.6 *		23.7 NE		
Nickel	13 or SB	0.5 - 25		11.4		**22.6**	3.3 B		1.6 B		
Potassium	SB	8,500 – 43,000		167 B		485 B	281 B		104 BE		
Selenium	2 or SB	0.1 - 3.9	0.47 U	0.86	0.61	0.89	0.53 U	0.90 N	0.49 UN	0.49 UN	0.49 UN
Silver	SB	N/A	0.29 B	3.3	6.9	1.5	0.15 U	0.19 B	0.14 U	0.14 U	0.14 U
Sodium	SB	6,000 - 8,000		201 B		437 B	105 B		22.6 B		
Thallium	SB	N/A		0.54 U		1.6	0.50 B		0.48 B		
Vanadium	150 or SB	1 - 300		20.0		7.1	8.1		2.6 BE		
Zinc	20 or SB	9 - 50		**124**		**9570**	**30.2**		5.4 *		
Chromium, hexavalent				1.3 U		1.4 U	1.1 U		1.0 J		
Cyanide				0.67 U		**84.0** E	0.9 E		0.52 U		

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring G-6				Boring G-7			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB038	TOB038	TOB038	TOB038	TOB030	TOB030	TOB030	TOB030
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.055 U	0.064 B	**0.14**	**0.17**	0.053 U	0.059 B	0.053 U	**0.11** B
Aluminum	SB	33,000		4290 *E			1690 *			
Antimony	SB	N/A		0.66 U			0.61 U			
Arsenic	7.5 or SB	3 - 12	1.1	4.9	2.1	4.8	1.7	3.9	3.4	**13.8**
Barium	300 or SB	15 - 600	15.6 BE	34.3 E	39.5 E	30.0 E	7.0 B	23.7	14.9 B	168
Beryllium	0.16 or SB	0 - 1.75		0.47 B			0.12 B			
Calcium	SB	130 – 35,000		12000			3160			
Cadmium	10	0.1 - 1	0.14 B	0.93	2.2	1.3	0.069 U	0.48 B	0.65	**19.9**
Chromium	50	1.5 - 40	19.2 N*	29.9 N*	**97.7** N*	49.1 N*	6.5	41.5	38.1	**904**
Cobalt	30 or SB	2.5 - 60		1.6 B			2.5 B			
Copper	25 or SB	1 - 50		18.0			2.5 B			
Iron	2,000 or SB	2,000 – 550,000		**3700** E			**4780** *			
Lead	400	200 - 500	3.1 N*	27.1 N*	49.1 N*	61.9 N*	1.7	23.2	14.6	231
Magnesium	SB	100 – 5,000		**5100** E			385 B			
Manganese	SB	50 – 5,000		390 NE			91.8			
Nickel	13 or SB	0.5 - 25		4.4 B			2.1 B			
Potassium	SB	8,500 – 43,000		449 BE			145 B			
Selenium	2 or SB	0.1 - 3.9	0.51 UN	0.64 N	0.54 UN	0.52 UN	0.54 N	0.75 N	0.50 UN	2.9 N
Silver	SB	N/A	0.15 U	1.2	2.9	0.99 B	0.14 U	4.1	3.1	6.2
Sodium	SB	6,000 - 8,000		191 B			37.1 B			
Thallium	SB	N/A		0.46 U			0.42 U			
Vanadium	150 or SB	1 - 300		9.1 E			5.1 B			
Zinc	20 or SB	9 - 50		**47.5** *			4.7			
Chromium, hexavalent				2.3			1.7			
Cyanide				0.57 U			0.53 U			

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring G-8				Boring G-9				
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	6-8	8-10
			TOB032	TOB032	TOB032	TOB032	TOB032	TOB032	TOB032	TOB032	TOB032
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.053 U	**0.22**	**1.5**	**0.67**	0.052 U	0.051 U	0.052 U	0.051 U	0.051 U
Aluminum	SB	33,000	3530								1340
Antimony	SB	N/A	80.5								0.34 U
Arsenic	7.5 or SB	3 - 12	1.6	3.4	**12.8**	4.5	1.2	1.8	1.5	0.81 B	1.1
Barium	300 or SB	15 - 600	25.7	120	91.7	285	6.7 B	4.9 B	11.2 B	5.4 B	7.6 B
Beryllium	0.16 or SB	0 - 1.75	1.8 U								1.8 U
Calcium	SB	130 – 35,000	4280								352 B
Cadmium	10	0.1 - 1	0.045 B	2.0	0.57	1.1	0.038 U	0.037 U	0.038 U	0.037 U	0.037 U
Chromium	50	1.5 - 40	13.6	**119**	**57.1**	49.1	4.9	2.4	21.4	2.4	15.1
Cobalt	30 or SB	2.5 - 60	2.9 B								1.4 B
Copper	25 or SB	1 - 50	10.8								3.7
Iron	2,000 or SB	2,000 – 550,000	**5850**								**5460**
Lead	400	200 - 500	6.3	343	73.3	70.0	1.5	0.44	1.6	0.17 B	0.64
Magnesium	SB	100 – 5,000	964								296 B
Manganese	SB	50 – 5,000	76.9								80.5
Nickel	13 or SB	0.5 - 25	5.0								2.6 B
Potassium	SB	8,500 – 43,000	518 B								212 B
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.58 U	1.9	0.62 U	0.55 U	0.54 U	0.56 U	0.55 U	0.55 U
Silver	SB	N/A	0.38 U	1.8	1.0 B	0.42 B	0.37 U	0.36 U	0.37 U	0.37 U	0.37 U
Sodium	SB	6,000 - 8,000	139 B								49.2 B
Thallium	SB	N/A	0.53 U								0.51 U
Vanadium	150 or SB	1 - 300	8.2								3.6 B
Zinc	20 or SB	9 - 50	**32.0**								6.6
Chromium, hexavalent			1.1 U								1.7
Cyanide			0.53 U								0.51 U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring G-10				Boring G-11			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB032	TOB032	TOB032	TOB032	TOB044	TOB044	TOB044	TOB044
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.10** B	0.053 U	0.052 U	0.052 U	0.052 UN	0.052 UN	0.052 UN	0.051 UN
Aluminum	SB	33,000		1700					1500	
Antimony	SB	N/A		0.35 U					0.60 U	
Arsenic	7.5 or SB	3 - 12	**8.9**	2.7	1.3	1.3	1.0 B	0.50 B	0.31 U	0.63 B
Barium	300 or SB	15 - 600	21.5 B	6.2 B	11.2 B	6.5 B	5.8 B	5.4 B	5.5 B	2.7 B
Beryllium	0.16 or SB	0 - 1.75		1.8 U					0.082 B	
Calcium	SB	130 – 35,000		188 B					379 B	
Cadmium	10	0.1 - 1	0.11 B	0.039 U	0.038 U	0.038 U	0.068 UE	0.068 UE	0.092 BE	0.067 UE
Chromium	50	1.5 - 40	13.0	11.8	5.3	7.6	8.4	4.4	4.6	7.8
Cobalt	30 or SB	2.5 - 60		1.1 B					1.1 B	
Copper	25 or SB	1 - 50		7.4					2.5 BE	
Iron	2,000 or SB	2,000 – 550,000		**6640**					**2930** E	
Lead	400	200 - 500	26.9	1.5	2.1	1.5	1.7	1.6	1.6	1.3
Magnesium	SB	100 – 5,000		267 B					247 B	
Manganese	SB	50 – 5,000		61.9					46.6	
Nickel	13 or SB	0.5 - 25		2.0 B					1.5 B	
Potassium	SB	8,500 – 43,000		134 B					158 BE	
Selenium	2 or SB	0.1 - 3.9	0.59 U	0.57 U	0.56 U	0.56 U	0.49 U	0.49 U	0.48 U	0.54
Silver	SB	N/A	0.49 B	0.38 U	0.37 U	0.38 U	0.14 U	0.14 U	0.14 U	0.14 U
Sodium	SB	6,000 - 8,000		15.2 B					17.3 B	
Thallium	SB	N/A		0.53 U					0.41 U	
Vanadium	150 or SB	1 - 300		5.5					3.1 B	
Zinc	20 or SB	9 - 50		6.9					7.2 E	
Chromium, hexavalent				1.1 U					1 U	
Cyanide				0.53 U					0.52 UN	

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N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring G-14			
			0-2	2-4	4-6	8-10
			TOB037	TOB037	TOB037	TOB037
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.053 U	0.052 U	0.051 U	0.052 U
Aluminum	SB	33,000		3200		
Antimony	SB	N/A		0.34 U		
Arsenic	7.5 or SB	3 - 12	0.93 B	1.2	1.5	1.2
Barium	300 or SB	15 - 600	7.2 B	11.2 B	5.1 B	6.3 B
Beryllium	0.16 or SB	0 - 1.75		1.8 U		
Calcium	SB	130 – 35,000		1540		
Cadmium	10	0.1 - 1	0.15 B	0.30 B	0.038 U	0.038 U
Chromium	50	1.5 - 40	19.0 N	**62.1** N	4.0 N	10.5 N
Cobalt	30 or SB	2.5 - 60		6.9		
Copper	25 or SB	1 - 50		4.3		
Iron	2,000 or SB	2,000 – 550,000		**6180**		
Lead	400	200 - 500	2.7 N	4.7 N	1.4 N	1.6 N
Magnesium	SB	100 – 5,000		735		
Manganese	SB	50 – 5,000		61.5 N		
Nickel	13 or SB	0.5 - 25		2.7 B		
Potassium	SB	8,500 – 43,000		273 B		
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.56 U	0.55 U	0.56 U
Silver	SB	N/A	0.38 U	0.37 U	0.37 U	0.37 U
Sodium	SB	6,000 - 8,000		93.1 B		
Thallium	SB	N/A		0.52 U		
Vanadium	150 or SB	1 - 300		6.9		
Zinc	20 or SB	9 - 50		**42.3**		
Chromium, hexavalent				2.4		
Cyanide				0.52 U		

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N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring H-1									
			0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60
			TOB031	TOB031	TOB031	TOB031	TOB031	TOB031	TOB031	TOB031	TOB031	TOB031
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.23**	0.051 U	0.051 U	0.051 U	0.051 U	0.052 U	0.052 U	0.057 B	0.084 B	**0.11** B
Aluminum	SB	33,000	7120									
Antimony	SB	N/A	0.35 U									
Arsenic	7.5 or SB	3 - 12	7.1	0.92 B	0.95 B	0.59 B	0.58 U	**13.3**	0.81 B	0.96 B	1.1 B	6.4
Barium	300 or SB	15 - 600	63.0	8.0 B	15.5 B	16.4 B	4.0 B	6.8 B	8.4 B	4.9 B	4.6 B	22.1 B
Beryllium	0.16 or SB	0 - 1.75	1.8 U									
Calcium	SB	130 – 35,000	3160									
Cadmium	10	0.1 - 1	3.2	0.71	0.41 B	0.11 B	0.037 U	0.038 U	0.038 U	0.039 U	0.061 B	0.045 U
Chromium	50	1.5 - 40	**79.3**	10.7	13.8	5.8	2.9	**61.7**	3.5	2.4	4.6	28.1
Cobalt	30 or SB	2.5 - 60	3.8 B									
Copper	25 or SB	1 - 50	44.3									
Iron	2,000 or SB	2,000 – 550,000	**11800**									
Lead	400	200 - 500	29.9	1.8	3.1	1.5	0.84	0.35	0.55	0.61	0.50	8.8
Magnesium	SB	100 – 5,000	1250									
Manganese	SB	50 – 5,000	158									
Nickel	13 or SB	0.5 - 25	7.5									
Potassium	SB	8,500 – 43,000	436 B									
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.55 U	0.55 U	0.55 U	0.55 U	0.56 U	0.55 U	0.58 U	0.61 U	0.66 U
Silver	SB	N/A	11.2	0.37 U	1.1	0.37 U	0.37 U	0.37 U	0.37 U	0.39 U	0.41 U	0.44 U
Sodium	SB	6,000 - 8,000	43.2 B									
Thallium	SB	N/A	0.53 U									
Vanadium	150 or SB	1 - 300	15.4									
Zinc	20 or SB	9 - 50	**72.1**									
Chromium, hexavalent			1.1 U									
Cyanide			0.71									

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring H-3															
			0-2		2-4		4-6		8-10		18-20		28-30		38-40		48-50		58-60	
			TOB045		TOB045		TOB045		TOB045		TOB045		TOB045		TOB045		TOB045		TOB045	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.078	BN	0.051	UN	0.051	UN	0.052	UN	0.051	UN	0.052	UN	0.052	UN	0.056	UN	0.057	UN
Aluminum	SB	33,000			1050	*	1370	*												
Antimony	SB	N/A			0.59	U	0.59	U												
Arsenic	7.5 or SB	3 - 12	4.7		0.62	B	0.73	B	1.3		0.82	B	1.1		0.86	B	3.3		**18.5**	
Barium	300 or SB	15 - 600	23.6		9.5	B	6.7	B	6.9	B	6.7	B	7.5	B	7.8	B	9.9	B	7.8	B
Beryllium	0.16 or SB	0 - 1.75			0.089	B	0.099	B												
Calcium	SB	130 – 35,000			77.2	B	77.9	B												
Cadmium	10	0.1 - 1	0.78		0.096	B	0.11	B	1.3		0.38	B	0.099	B	0.068	U	1.7		0.41	B
Chromium	50	1.5 - 40	30.3	*	4.8	*	11.4	*	35.7	*	10.7	*	6.4	*	3.2	*	21.5	*	19.8	*
Cobalt	30 or SB	2.5 - 60			2.8	B	0.95	B												
Copper	25 or SB	1 - 50			2.3	B	3.0													
Iron	2,000 or SB	2,000 – 550,000			**2750**		**3720**													
Lead	400	200 - 500	28.9	N	2.0	N	2.2	N	2.1	N	1.4	N	1.6	N	0.83	N	2.8	N	8.7	N
Magnesium	SB	100 – 5,000			166	B	260	B												
Manganese	SB	50 – 5,000			65.7		62.2													
Nickel	13 or SB	0.5 - 25			1.5	B	1.9	B												
Potassium	SB	8,500 – 43,000			86.6	B	137	B												
Selenium	2 or SB	0.1 - 3.9	0.52	U	0.48	U	0.48	U	0.49	U	0.48	U	0.49	U	0.49	U	0.53	U	1.4	
Silver	SB	N/A	1.2		0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.15	U
Sodium	SB	6,000 - 8,000			13.3	B	19.4	B												
Thallium	SB	N/A			0.41	U	0.41	U												
Vanadium	150 or SB	1 - 300			2.6	B	3.2	B												
Zinc	20 or SB	9 - 50			10.6		8.4													
Chromium, hexavalent					1	U	1	U												
Cyanide					0.51	U	0.51	U												

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring H-5								
			0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
			TOB014	TOB014	TOB014	TOB014	TOB014	TOB014	TOB014	TOB014	TOB014
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.051 U	0.051 U	0.058 U	0.052 U	0.055 U	0.058 U	0.052 U	0.061 U	0.058 U
Aluminum	SB	33,000		2030							
Antimony	SB	N/A		0.34 U							
Arsenic	7.5 or SB	3 - 12	1.5	1.0	0.66 B	0.58 U	2.1	**31.6**	2.1	1.1 B	1.1 B
Barium	300 or SB	15 - 600	18.1 B	5.9 B	5.3 B	4.1 B	24.5	8.7 B	5.1 B	11.3 B	3.1 B
Beryllium	0.16 or SB	0 - 1.75		1.7 U							
Calcium	SB	130 – 35,000		2270							
Cadmium	10	0.1 - 1	0.25 B	0.046 B	0.042 U	0.038 U	0.040 U	0.11 B	0.066 B	0.044 U	0.042 U
Chromium	50	1.5 - 40	11.6	6.9	3.8	4.2	9.5	8.9	10.6	1.2	4.9
Cobalt	30 or SB	2.5 - 60		1.9 B							
Copper	25 or SB	1 - 50		2.3 B							
Iron	2,000 or SB	2,000 – 550,000		**5600**							
Lead	400	200 - 500	2.0	1.0	0.99	0.69	2.6	2.5	0.28 B	3.5	0.66
Magnesium	SB	100 – 5,000		406 B							
Manganese	SB	50 – 5,000		133							
Nickel	13 or SB	0.5 - 25		2.5 B							
Potassium	SB	8,500 – 43,000		157 BE							
Selenium	2 or SB	0.1 - 3.9	0.55 UN	0.55 UN	0.62 UN	0.56 UN	0.59 UN	0.62 UN	0.55 UN	0.65 UN	0.62 UN
Silver	SB	N/A	0.37 U	0.37 U	0.41 U	0.37 U	0.40 U	0.42 U	0.37 U	0.44 U	0.41 U
Sodium	SB	6,000 - 8,000		33.3 B							
Thallium	SB	N/A		0.51 U							
Vanadium	150 or SB	1 - 300		3.9 B							
Zinc	20 or SB	9 - 50		9.9							
Chromium, hexavalent				1 U							
Cyanide				0.51 U							

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring H-7									
			0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60
			TOB039	TOB039	TOB039	TOB039	TOB039	TOB039	TOB039	TOB039	TOB039	TOB039
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.051 U	0.051 U	0.051 U	0.052 U	0.051 U	0.052 U	0.051 U	0.060 U	0.061 U	0.068 B
Aluminum	SB	33,000	1460								827	
Antimony	SB	N/A	0.33 U								0.40 U	
Arsenic	7.5 or SB	3 - 12	0.95 B	0.90 B	1.8	2.2	1.4	0.58 U	4.7	**24.5**	1.2 B	0.71 B
Barium	300 or SB	15 - 600	6.1 B	5.7 B	4.2 B	6.6 B	6.7 B	10.5 B	4.2 B	16.5 B	7.4 B	3.2 B
Beryllium	0.16 or SB	0 - 1.75	1.7 U								2.1 U	
Calcium	SB	130 – 35,000	1090								183 B	
Cadmium	10	0.1 - 1	0.13 B	0.074 B	0.061 B	0.074 B	0.11 B	0.038 U	0.091 B	0.19 B	0.044 U	0.046 U
Chromium	50	1.5 - 40	5.8	4.2	2.4	4.1	10.3	5.7	7.9	28.6	2.3	1.1 B
Cobalt	30 or SB	2.5 - 60	1.3 B								0.49 B	
Copper	25 or SB	1 - 50	2.1 B								2.5 B	
Iron	2,000 or SB	2,000 – 550,000	**2880** *								1400 *	
Lead	400	200 - 500	0.98 *	0.54 *	0.37 *	0.83 *	0.35 *	0.83 *	0.12 U*	9.0 *	2.1 *	0.72 *
Magnesium	SB	100 – 5,000	272 B								61.3 B	
Manganese	SB	50 – 5,000	55.0 *								6.8 *	
Nickel	13 or SB	0.5 - 25	2.1 B								0.28 B	
Potassium	SB	8,500 – 43,000	138 B								242 B	
Selenium	2 or SB	0.1 - 3.9	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	1.8	0.65 U	0.67 U
Silver	SB	N/A	0.36 U	0.36 U	0.36 U	0.37 U	0.37 U	0.37 U	0.37 U	0.43 U	0.43 U	0.45 U
Sodium	SB	6,000 - 8,000	22.3 B								42.0 B	
Thallium	SB	N/A	0.53 B								0.61 U	
Vanadium	150 or SB	1 - 300	2.8 B								4.1 B	
Zinc	20 or SB	9 - 50	5.5 *								1.7 B*	
Chromium, hexavalent			1 U								1.2 U	
Cyanide			0.51 U								0.61 U	

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring H-9																	
			0-2		2-4		4-6		6-8		8-10		18-20		28-30		38-40		48-50		58-60	
			TOB011		TOB011		TOB011		TOB011		TOB011		TOB011		TOB011		TOB011		TOB011		TOB011	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.054	U	0.053	U	0.053	U	0.053	U	0.052	U	0.052	U	0.054	U	0.054	U	0.054	U	0.059	U
Aluminum	SB	33,000											1920									
Antimony	SB	N/A											0.60	UN								
Arsenic	7.5 or SB	3 - 12	3.4		1.8		2.5		1.5		1.2		2.3		**13.6**		5.0		5.8		2.0	
Barium	300 or SB	15 - 600	31.4		7.4	B	20.4	B	4.7	B	4.8	B	8.9	B	26.6		3.2	B	6.7	B	2.3	B
Beryllium	0.16 or SB	0 - 1.75											0.25	B								
Calcium	SB	130 – 35,000											2360	*								
Cadmium	10	0.1 - 1	0.35	B	0.070	U	0.090	B	0.069	U	0.068	U	0.068	U	0.071	U	0.070	U	0.070	U	0.077	U
Chromium	50	1.5 - 40	23.0	N*	5.1	N*	11.5	N*	2.7	N*	3.4	N*	16.2	N*	29.3	N*	4.3	N*	8.1	N*	1.1	BN*
Cobalt	30 or SB	2.5 - 60											1.6	B								
Copper	25 or SB	1 - 50											4.7									
Iron	2,000 or SB	2,000 – 550,000											**7980**	*								
Lead	400	200 - 500	11.4	N	2.0	N	7.0	N	1.2	N	1.8	N	2.9	N	6.7	N	2.1	N	3.3	N	1.6	N
Magnesium	SB	100 – 5,000											594	*								
Manganese	SB	50 – 5,000											71.1									
Nickel	13 or SB	0.5 - 25											3.4	B								
Potassium	SB	8,500 – 43,000											140	B								
Selenium	2 or SB	0.1 - 3.9	0.51	U	0.50	U	0.49	U	0.49	U	0.49	U	0.49	U	0.51	U	0.50	U	0.50	U	0.55	U
Silver	SB	N/A	0.26	B	0.14	U	0.28	B	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.16	U
Sodium	SB	6,000 - 8,000											72.1	B								
Thallium	SB	N/A											0.50	B								
Vanadium	150 or SB	1 - 300											6.3									
Zinc	20 or SB	9 - 50											12.7									
Chromium, hexavalent													1	U								
Cyanide													0.52	U								

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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N – Matrix spike sample recovery not within control limits.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring H-10								
			0-2	2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
			TOB036	TOB036	TOB036	TOB036	TOB036	TOB036	TOB036	TOB036	TOB036
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.051 U	0.052 U	0.051 U	0.051 U	0.053 U	0.052 U	0.093 B	0.054 U	0.059 U
Aluminum	SB	33,000			742 *						
Antimony	SB	N/A			0.34 U						
Arsenic	7.5 or SB	3 - 12	0.78 B	0.58 U	0.68 B	0.74 B	0.60 U	1.2	**13.9**	2.8	2.3
Barium	300 or SB	15 - 600	6.5 B	0.35 U	3.3 B	5.0 B	6.0 B	4.4 B	4.1 B	4.1 B	3.5 B
Beryllium	0.16 or SB	0 - 1.75			1.7 U						
Calcium	SB	130 – 35,000			74.6 B						
Cadmium	10	0.1 - 1	0.053 B	0.038 U	0.037 U	0.037 U	0.039 U	0.038 U	0.039 U	0.040 U	0.043 U
Chromium	50	1.5 - 40	6.1 *	0.086 U*	3.4 *	5.9 *	7.2 *	6.6 *	23.6 *	11.3 *	2.0 *
Cobalt	30 or SB	2.5 - 60			0.59 B						
Copper	25 or SB	1 - 50			1.3 B						
Iron	2,000 or SB	2,000 – 550,000			**2520**						
Lead	400	200 - 500	2.0	0.12 U	0.42	0.51	1.1	0.55	0.12 U	0.94	1.2
Magnesium	SB	100 – 5,000			134 B						
Manganese	SB	50 – 5,000			48.4 N*						
Nickel	13 or SB	0.5 - 25			0.87 B						
Potassium	SB	8,500 – 43,000			106 BE						
Selenium	2 or SB	0.1 - 3.9	0.55 U	0.56 U	0.55 U	0.54 U	0.57 U	0.55 U	0.57 U	0.58 U	0.63 U
Silver	SB	N/A	0.37 U	0.37 U	0.37 U	0.36 U	0.38 U	0.37 U	0.38 U	0.39 U	0.42 U
Sodium	SB	6,000 - 8,000			28.5 B						
Thallium	SB	N/A			0.51 U						
Vanadium	150 or SB	1 - 300			2.4 B						
Zinc	20 or SB	9 - 50			3.4						
Chromium, hexavalent					1 U						
Cyanide					0.51 U						

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N – Matrix spike sample recovery not within control limits.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring H-13						
			0-2	2-4	4-6	8-10	18-20	38-40	58-60
			TOB039	TOB039	TOB039	TOB039	TOB039	TOB039	TOB039
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.051 U	0.052 U	0.053 U	0.051 U	0.052 U	0.052 U	0.058 U
Aluminum	SB	33,000							407
Antimony	SB	N/A							0.38 U
Arsenic	7.5 or SB	3 - 12	2.0	1.3	0.62 B	1.8	6.6	0.59 U	1.9
Barium	300 or SB	15 - 600	11.8 B	8.0 B	6.0 B	11.8 B	7.1 B	4.2 B	4.4 B
Beryllium	0.16 or SB	0 - 1.75							2.0 U
Calcium	SB	130 – 35,000							60.4 B
Cadmium	10	0.1 - 1	0.24 B	0.17 B	0.099 B	0.21 B	0.082 B	0.038 U	0.042 U
Chromium	50	1.5 - 40	8.6	10.8	7.7	14.0	10.3	3.5	1.8
Cobalt	30 or SB	2.5 - 60							0.22 B
Copper	25 or SB	1 - 50							1.1 B
Iron	2,000 or SB	2,000 – 550,000							**2400** *
Lead	400	200 - 500	4.0 *	1.6 *	0.98 *	2.9 *	0.47 *	1.3 *	1.8 *
Magnesium	SB	100 – 5,000							9.8 B
Manganese	SB	50 – 5,000							4.2 *
Nickel	13 or SB	0.5 - 25							0.23 U
Potassium	SB	8,500 – 43,000							111 B
Selenium	2 or SB	0.1 - 3.9	0.55 U	0.55 U	0.57 U	0.55 U	0.56 U	0.56 U	0.62 U
Silver	SB	N/A	0.37 U	0.37 U	0.38 U	0.37 U	0.37 U	0.38 U	0.41 U
Sodium	SB	6,000 - 8,000							11.1 B
Thallium	SB	N/A							0.58 U
Vanadium	150 or SB	1 - 300							4.3 B
Zinc	20 or SB	9 - 50							1.9 B*
Chromium, hexavalent									1.2 U
Cyanide									0.58 U

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring H-2				Boring H-4			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB042	TOB042	TOB042	TOB042	TOB037	TOB037	TOB037	TOB037
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.053 U	0.051 U	0.051 U	0.051 U	**0.11**	**0.17**	0.051 U	0.051 U
Aluminum	SB	33,000		1030				2300		
Antimony	SB	N/A		0.33 U				0.34 U		
Arsenic	7.5 or SB	3 - 12	2.8	0.57 U	0.57 U	0.83 B	1.8	1.5	0.58 U	0.92 B
Barium	300 or SB	15 - 600	19.7 B	3.5 B	5.8 B	5.3 B	11.5 B	9.2 B	12.4 B	8.6 B
Beryllium	0.16 or SB	0 - 1.75		1.7 U				1.8 U		
Calcium	SB	130 – 35,000		59.6 B				501 B		
Cadmium	10	0.1 - 1	1.4 N*	0.037 UN*	0.037 UN*	0.037 UN*	3.3	1.5	0.037 U	1.0
Chromium	50	1.5 - 40	**72.0** *	2.6 *	3.0 *	14.1 *	40.6 N	**55.5** N	5.2 N	22.8 N
Cobalt	30 or SB	2.5 - 60		0.96 B				1.4 B		
Copper	25 or SB	1 - 50		1.2 BE				7.2		
Iron	2,000 or SB	2,000 – 550,000		**2050**				**5280**		
Lead	400	200 - 500	14.4	0.98	0.71	0.76	8.8 N	4.4 N	0.62 N	4.2 N
Magnesium	SB	100 – 5,000		167 B				365 B		
Manganese	SB	50 – 5,000		49.9 N*				83.9 N		
Nickel	13 or SB	0.5 - 25		1.5 B				2.6 B		
Potassium	SB	8,500 – 43,000		120 BE				180 B		
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.55 U	0.55 U	0.55 U	0.57 U	0.56 U	0.55 U	0.55 U
Silver	SB	N/A	3.2	0.36 U	0.36 U	0.37 U	3.6	0.96 B	0.37 U	1.4
Sodium	SB	6,000 - 8,000		14.7 B				37.6 B		
Thallium	SB	N/A		0.51 U				0.52 U		
Vanadium	150 or SB	1 - 300		1.7 B				4.8 B		
Zinc	20 or SB	9 - 50		3.5 N*				25.4		
Chromium, hexavalent				1 U				3.0		
Cyanide				0.51 U				1.1		

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring H-6				Boring H-8			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB037	TOB037	TOB037	TOB037	TOB033	TOB033	TOB033	TOB033
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.052 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U
Aluminum	SB	33,000		1310			1350			
Antimony	SB	N/A		0.33 U			0.33 U			
Arsenic	7.5 or SB	3 - 12	1.6	0.57 U	0.69 B	0.59 B	0.80 B	0.61 B	1.3	0.68 B
Barium	300 or SB	15 - 600	12.5 B	4.7 B	4.2 B	6.5 B	4.3 B	3.9 B	8.6 B	5.6 B
Beryllium	0.16 or SB	0 - 1.75		1.7 U			1.7 U			
Calcium	SB	130 – 35,000		46.5 B			102 B			
Cadmium	10	0.1 - 1	0.038 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.037 U	0.038 U
Chromium	50	1.5 - 40	5.7 N	2.4 N	2.3 N	6.8 N	3.3	2.2	16.1	**76.9**
Cobalt	30 or SB	2.5 - 60		0.97 B			1.1 B			
Copper	25 or SB	1 - 50		1.7 B			2.0 B			
Iron	2,000 or SB	2,000 – 550,000		**3680**			**2910** *			
Lead	400	200 - 500	1.5 N	0.62 N	0.45 N	0.61 N	0.49	0.47	0.91	0.63
Magnesium	SB	100 – 5,000		241 B			275 B			
Manganese	SB	50 – 5,000		59.8 N			48.1 *			
Nickel	13 or SB	0.5 - 25		1.5 B			1.8 B			
Potassium	SB	8,500 – 43,000		154 B			178 BE			
Selenium	2 or SB	0.1 - 3.9	0.56 U	0.54 U	0.55 U	0.55 U	0.54 U	0.55 U	0.55 U	0.55 U
Silver	SB	N/A	0.37 U	0.36 U	0.37 U	0.37 U	0.36 U	0.37 U	0.37 U	0.37 U
Sodium	SB	6,000 - 8,000		19.9 B			36.3 B			
Thallium	SB	N/A		0.51 U			0.51 U			
Vanadium	150 or SB	1 - 300		3.0 B			2.5 B			
Zinc	20 or SB	9 - 50		5.1			5.6			
Chromium, hexavalent				1 U			1 U			
Cyanide				0.51 U			0.51 U			

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring H-12				Boring H-14				
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	6-8	8-10
			TOB035	TOB035	TOB035	TOB035	TOB009	TOB009	TOB009	TOB009	TOB009
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.052 UN	0.051 UN	0.051 UN	0.051 UN	0.053 U	0.051 U	0.061 B	0.052 U	0.052 U
Aluminum	SB	33,000		2610						1330	
Antimony	SB	N/A		0.59 UN						0.60 UN	
Arsenic	7.5 or SB	3 - 12	0.59 B	1.6	0.44 B	0.93 B	**8.2**	2.9	4.8	0.77 B	2.6
Barium	300 or SB	15 - 600	6.2 B	8.5 B	2.4 B	7.4 B	20.9 B	8.7 B	17.8 B	6.0 B	12.6 B
Beryllium	0.16 or SB	0 - 1.75		0.14 B						0.091 B	
Calcium	SB	130 – 35,000		439 B						61.4 BE	
Cadmium	10	0.1 - 1	0.088 B	0.16 B	0.067 U	0.10 B	0.20 B	0.17 B	0.29 B	0.068 U	0.25 B
Chromium	50	1.5 - 40	8.8 N	14.7 N	2.8 N	13.7 N	12.6	20.3	25.6	4.5	23.9
Cobalt	30 or SB	2.5 - 60		1.9 B						1.2 B	
Copper	25 or SB	1 - 50		3.7 *						2.5 B	
Iron	2,000 or SB	2,000 – 550,000		**5100**						**3920**	
Lead	400	200 - 500	1.9	2.7	0.81	2.0	33.2	7.1	20.3	1.3	7.5
Magnesium	SB	100 – 5,000		408 B						145 B	
Manganese	SB	50 – 5,000		76.7 *						126 N	
Nickel	13 or SB	0.5 - 25		2.3 B						1.3 B	
Potassium	SB	8,500 – 43,000		207 B						90.4 B	
Selenium	2 or SB	0.1 - 3.9	0.49 U	0.48 U	0.48 U	0.48 U	0.68 N	0.71 N	0.49 UN	0.49 UN	0.49 UN
Silver	SB	N/A	2.4	0.14 U	0.14 U	0.20 B	0.18 B	0.14 U	0.14 U	0.14 U	0.14 U
Sodium	SB	6,000 - 8,000		29.4 B						12.6 B	
Thallium	SB	N/A		0.41 U						0.50 B	
Vanadium	150 or SB	1 - 300		5.6						3.8 B	
Zinc	20 or SB	9 - 50		12.6						5.4	
Chromium, hexavalent				1 U						1 U	
Cyanide				0.51 U						0.52 U	

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring I-1					
			0-2	2-4	4-6	6-8	8-10	18-20
			TOB041	TOB041	TOB041	TOB041	TOB041	TOB041
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.11**	**0.14**	**0.17**	**0.24**	**0.45**	**0.26**
Aluminum	SB	33,000			8570			12500
Antimony	SB	N/A			0.53 B			2.8 B
Arsenic	7.5 or SB	3 - 12	7.3	2.3	6.4	**10.7**	5.8	4.1
Barium	300 or SB	15 - 600	25.8	15.0 B	31.0	39.3	44.0	36.2
Beryllium	0.16 or SB	0 - 1.75			1.9 U			2.1 U
Calcium	SB	130 – 35,000			1180			933
Cadmium	10	0.1 - 1	0.39 BN	6.4 N	7.2 N	7.8 N	**77.4** N	26.6 N
Chromium	50	1.5 - 40	32.2	**140**	**180**	**69.3**	**727**	**1710**
Cobalt	30 or SB	2.5 - 60			3.7 B			2.7 B
Copper	25 or SB	1 - 50			**60.3**			**153**
Iron	2,000 or SB	2,000 – 550,000			**11700**			**9540**
Lead	400	200 - 500	20.4	15.5	31.6	43.7	47.8	58.8
Magnesium	SB	100 – 5,000			948			700
Manganese	SB	50 – 5,000			111			111
Nickel	13 or SB	0.5 - 25			12.9			**62.2**
Potassium	SB	8,500 – 43,000			381 BE			286 BE
Selenium	2 or SB	0.1 - 3.9	0.56 UN	0.57 UN	0.60 UN	0.73 N	0.62 UN	0.65 UN
Silver	SB	N/A	2.8	3.0	5.2	3.5	10.4	5.4
Sodium	SB	6,000 - 8,000			45.1 B			47.8 B
Thallium	SB	N/A			0.65 B			0.60 U
Vanadium	150 or SB	1 - 300			15.2			11.2
Zinc	20 or SB	9 - 50			132 N			**570** N
Chromium, hexavalent					1.1 U			2.7
Cyanide					0.89			4.1

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring I-2							
			0-2		2-4		4-6		8-10	
			TOB042		TOB042		TOB042		TOB042	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.063	B	**0.26**		**0.14**		**0.26**	
Aluminum	SB	33,000			8800					
Antimony	SB	N/A			0.37	U				
Arsenic	7.5 or SB	3 - 12	5.5		5.5		5.6		4.6	
Barium	300 or SB	15 - 600	23.0		36.9		31.1		35.5	
Beryllium	0.16 or SB	0 - 1.75			1.9	U				
Calcium	SB	130 – 35,000			2070					
Cadmium	10	0.1 - 1	1.1	N*	5.2	N*	6.0	N*	**48.3**	N*
Chromium	50	1.5 - 40	40.3	*	**74.7**	*	**90.4**	*	**869**	*
Cobalt	30 or SB	2.5 - 60			3.8	B				
Copper	25 or SB	1 - 50			22.7	E				
Iron	2,000 or SB	2,000 – 550,000			**11300**					
Lead	400	200 - 500	27.7		24.1		24.5		34.7	
Magnesium	SB	100 – 5,000			1090					
Manganese	SB	50 – 5,000			140	N*				
Nickel	13 or SB	0.5 - 25			8.8					
Potassium	SB	8,500 – 43,000			394	BE				
Selenium	2 or SB	0.1 - 3.9	0.57	U	0.60	U	0.59	U	0.56	U
Silver	SB	N/A	9.3		4.7		6.3		0.37	U
Sodium	SB	6,000 - 8,000			41.9	B				
Thallium	SB	N/A			0.77	B				
Vanadium	150 or SB	1 - 300			15.7					
Zinc	20 or SB	9 - 50			**96.9**	N*				
Chromium, hexavalent					1.1	U				
Cyanide					0.56	U				

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* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring I-3				Boring I-4			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB044	TOB044	TOB044	TOB044	TOB034	TOB034	TOB034	TOB034
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.15** N	0.054 UN	**0.48** N	0.051 UN	**0.17**	0.051 U	0.053 U	0.054 U
Aluminum	SB	33,000		5050				988		
Antimony	SB	N/A		0.62 U				0.33 U		
Arsenic	7.5 or SB	3 - 12	**8.8**	2.9	2.9	0.31 U	2.5	0.72 B	0.60 U	1.7
Barium	300 or SB	15 - 600	29.1	17.3 B	21.0 B	4.7 B	23.3	3.2 B	3.8 B	17.8 B
Beryllium	0.16 or SB	0 - 1.75		0.14 B				1.7 U		
Calcium	SB	130 – 35,000		308 B				87.7 B		
Cadmium	10	0.1 - 1	1.3 E	8.7 E	2.4 E	0.41 BE	3.7	0.053 B	0.039 U	2.3
Chromium	50	1.5 - 40	**50.3**	12.5	16.6	5.8	47.1 *	2.6 *	2.3 *	37.0 *
Cobalt	30 or SB	2.5 - 60		2.7 B				1.5 B		
Copper	25 or SB	1 - 50		10.4 E				2.3 B		
Iron	2,000 or SB	2,000 – 550,000		**8820** E				**2900**		
Lead	400	200 - 500	28.8	8.4	13.3	1.4	13.6	0.87	0.65	8.8
Magnesium	SB	100 – 5,000		570				158 B		
Manganese	SB	50 – 5,000		120				52.3		
Nickel	13 or SB	0.5 - 25		4.1 B				1.6 B		
Potassium	SB	8,500 – 43,000		215 BE				86.6 B		
Selenium	2 or SB	0.1 - 3.9	0.64	0.61	0.59	0.48 U	0.57 UN	0.54 UN	0.57 UN	0.58 UN
Silver	SB	N/A	3.4	2.2	2.0	0.14 U	3.9	0.36 U	0.38 U	2.3
Sodium	SB	6,000 - 8,000		18.6 B				13.7 B		
Thallium	SB	N/A		0.97 B				0.51 U		
Vanadium	150 or SB	1 - 300		9.8				2.2 B		
Zinc	20 or SB	9 - 50		**32.3** E				4.2		
Chromium, hexavalent				3.3				1 U		
Cyanide				1.5 N				0.51 U		

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring I-5								Boring I-6							
			0-2		2-4		4-6		8-10		0-2		2-4		4-6		8-10	
			TOB044		TOB044		TOB044		TOB044		TOB038		TOB038		TOB038		TOB038	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.056	UN	0.052	UN	0.051	UN	0.055	UN	0.054	U	0.054	U	0.055	U	0.052	U
Aluminum	SB	33,000			2360								5520	*E				
Antimony	SB	N/A			0.60	U							0.62	U				
Arsenic	7.5 or SB	3 - 12	2.5		0.70	B	0.30	U	1.1	B	2.5		1.8		2.7		0.76	B
Barium	300 or SB	15 - 600	27.8		6.5	B	3.6	B	20.8	B	20.0	BE	13.6	BE	20.9	BE	6.4	BE
Beryllium	0.16 or SB	0 - 1.75			0.11	B							0.21	B				
Calcium	SB	130 – 35,000			109	B							116	B				
Cadmium	10	0.1 - 1	0.34	BE	0.11	BE	0.067	UE	0.37	BE	0.25	B	0.10	B	0.19	B	0.068	U
Chromium	50	1.5 - 40	17.0		4.4		2.1		30.8		12.9	N*	7.3	N*	19.7	N*	19.9	N*
Cobalt	30 or SB	2.5 - 60			1.7	B							3.0	B				
Copper	25 or SB	1 - 50			3.1	E							4.3					
Iron	2,000 or SB	2,000 – 550,000			**4370**	E							**7760**	E				
Lead	400	200 - 500	6.2		1.8		1.3		4.0		5.2	N*	3.3	N*	4.6	N*	1.1	N*
Magnesium	SB	100 – 5,000			369	B							895	E				
Manganese	SB	50 – 5,000			84.4								80.7	NE				
Nickel	13 or SB	0.5 - 25			1.9	B							4.8					
Potassium	SB	8,500 – 43,000			170	BE							295	BE				
Selenium	2 or SB	0.1 - 3.9	0.52	U	0.48	U	0.48	U	0.51	U	0.60	N	0.70	N	0.52	UN	0.49	UN
Silver	SB	N/A	0.15	U	0.14	U	0.14	U	0.15	U	0.15	U	0.14	U	0.30	B	0.14	U
Sodium	SB	6,000 - 8,000			25.0	B							48.8	B				
Thallium	SB	N/A			0.41	U							0.43	U				
Vanadium	150 or SB	1 - 300			5.1	B							11.2	E				
Zinc	20 or SB	9 - 50			6.9	E							11.1	*				
Chromium, hexavalent					1	U							1.1	U				
Cyanide					0.61	N							0.54	U				

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N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring I-7					Boring I-8			
			0-2	2-4	4-6	6-8	8-10	0-2	2-4	4-6	8-10
			TOB008	TOB008	TOB008	TOB008	TOB008	TOB006	TOB006	TOB006	TOB006
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.052 U	0.051 U	0.051 U	0.051 U	0.052 U	**0.13**	**0.13**	**0.31**	0.061 U
Aluminum	SB	33,000				854 *		4320 E			
Antimony	SB	N/A				0.34 UN		0.59 UN			
Arsenic	7.5 or SB	3 - 12	0.87 B	0.58 U	0.66 B	0.60 B	2.5	2.9	3.5	7.0	6.1
Barium	300 or SB	15 - 600	10 B	5.6 B	8.0 B	5.0 B	15.2 B	30.2 E	34.8 E	145 E	40.5 E
Beryllium	0.16 or SB	0 - 1.75				1.8 U		0.25 B			
Calcium	SB	130 – 35,000				595 *		13700 *E			
Cadmium	10	0.1 - 1	0.24 BN*	0.29 BN*	0.21 BN*	0.15 BN*	0.89 N*	1.4	1.3	5.0	1.9
Chromium	50	1.5 - 40	5.5 N*	4.7 N*	9.2 N*	6.2 N*	38.8 N*	**58.5** *E	**56.9** *E	**81.0** *E	**95.0** *E
Cobalt	30 or SB	2.5 - 60				0.70 B		3.0 B			
Copper	25 or SB	1 - 50				2.1 B		17.0			
Iron	2,000 or SB	2,000 – 550,000				**4290** *		**7380** *E			
Lead	400	200 - 500	1.2	0.45	1.1	1.5	3.8	10.9 N	25.8 N	98.0 N	60.9 N
Magnesium	SB	100 – 5,000				168 B		1490 E			
Manganese	SB	50 – 5,000				35.2		96.4 N*E			
Nickel	13 or SB	0.5 - 25				1.4 B		10.5			
Potassium	SB	8,500 – 43,000				118 B		434 B			
Selenium	2 or SB	0.1 - 3.9	0.56 U	0.55 U	0.55 U	0.55 U	0.55 U	0.48 U	0.49 U	0.56 U	0.57 U
Silver	SB	N/A	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.47 B	0.42 B	1.8	0.97 B
Sodium	SB	6,000 - 8,000				26.9 B		352 B			
Thallium	SB	N/A				0.51 U		0.41 U			
Vanadium	150 or SB	1 - 300				2.7 B		44.5			
Zinc	20 or SB	9 - 50				11.2 *		**72.7** E			
Chromium, hexavalent						1 U		1.2			
Cyanide						0.51 U		0.51 U			

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring I-9					Boring I-10				
			0-2	2-4	4-6	6-8	8-10	0-2	2-4	4-6	6-8	8-10
			TOB008	TOB008	TOB008	TOB008	TOB008	TOB008	TOB008	TOB008	TOB008	TOB008
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.053 U	0.052 U	0.052 U	0.052 U	0.052 U	0.051 U	0.091 B	0.054 U	0.094 B	**0.11**
Aluminum	SB	33,000				1100 *			2290 *	1900 *	6330 *	
Antimony	SB	N/A				0.34 UN			0.35 UN	0.35 UN	0.37 UN	
Arsenic	7.5 or SB	3 - 12	1.5	0.58 U	0.58 U	0.82 B	0.58 U	3.0	2.1	4.8	4.5	2.9
Barium	300 or SB	15 - 600	19.1 B	5.5 B	4.2 B	7.3 B	5.4 B	11.5 B	10.5 B	11.7 B	71.4	20.5 B
Beryllium	0.16 or SB	0 - 1.75				1.8 U			1.8 U	1.8 U	1.9 U	
Calcium	SB	130 – 35,000				1120 *			24500 *	10400 *	21700 *	
Cadmium	10	0.1 - 1	2.2 N*	0.17 BN*	0.16 BN*	0.28 BN*	0.27 BN*	2.1 N*	4.7 N*	7.2 N*	**564** N*	**14.2** N*
Chromium	50	1.5 - 40	44.4 N*	4.8 N*	5.7 N*	20.1 N*	15.8 N*	25.4 N*	**68.7** N*	**111** N*	**2970** N*	**277** N*
Cobalt	30 or SB	2.5 - 60				1.1 B			1.4 B	1.4 B	4.4 B	
Copper	25 or SB	1 - 50				3.6			5.3	16.0	**60.8**	
Iron	2,000 or SB	2,000 – 550,000				**4900** *			**3810** *	**3670** *	**6490** *	
Lead	400	200 - 500	5.2	0.86	1.3	0.75	0.77	3.7	4.2	8.6	106	11.8
Magnesium	SB	100 – 5,000				255 B			1060	420 B	987	
Manganese	SB	50 – 5,000				42.0			62.6	44.6	146	
Nickel	13 or SB	0.5 - 25				2.2 B			2.9 B	3.8 B	13.0	
Potassium	SB	8,500 – 43,000				153 B			228 B	205 B	341 B	
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.86	0.55 U	0.56 U	0.56 U	0.55 U	0.58 U	0.58 U	0.61 U	0.57 U
Silver	SB	N/A	0.38 U	0.86	0.37 U	0.37 U	0.37 U	0.37 U	0.38 U	1.6	1.5	0.38 U
Sodium	SB	6,000 - 8,000				54.8 B			57.7 B	78.0 B	207 B	
Thallium	SB	N/A				0.52 U			0.54 U	0.54 U	0.57 U	
Vanadium	150 or SB	1 - 300				2.6 B			4.7 B	5.1 B	9.6	
Zinc	20 or SB	9 - 50				16.6 *			**42.3** *	**46.7** *	**1270** *	
Chromium, hexavalent						1 U			1.1 U	9.3	5.5	
Cyanide						0.52 U			0.68	0.56	23.4	

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring I-11					Boring I-12				
			0-2	2-4	4-6	6-8	8-10	0-2	2-4	4-6	6-8	8-10
			TOB009	TOB009	TOB009	TOB009	TOB009	TOB009	TOB009	TOB009	TOB009	TOB009
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.052 U	0.053 U	0.052 U	0.052 U	0.053 U	0.051 U	0.051 U	0.052 U	0.052 U	0.053 U
Aluminum	SB	33,000				1450					1340	
Antimony	SB	N/A				0.60 UN					0.60 UN	
Arsenic	7.5 or SB	3 - 12	1.0 B	0.99 B	0.53 B	0.47 B	0.82 B	1.2	1.7	1.2	0.74 B	2.7
Barium	300 or SB	15 - 600	7.1 B	9.1 B	5.4 B	6.6 B	5.7 B	9.0 B	7.2 B	6.5 B	3.4 B	27.5
Beryllium	0.16 or SB	0 - 1.75				0.12 B					0.061 B	
Calcium	SB	130 – 35,000				1240 E					996 E	
Cadmium	10	0.1 - 1	0.068 U	0.069 U	0.068 U	0.068 U	0.069 U	0.067 U	0.17 B	0.068 U	0.068 U	0.069 U
Chromium	50	1.5 - 40	6.8	7.8	5.7	10.0	10.9	11.0	22.4	15.5	4.3	22.7
Cobalt	30 or SB	2.5 - 60				1.3 B					0.65 B	
Copper	25 or SB	1 - 50				3.0					1.9 B	
Iron	2,000 or SB	2,000 – 550,000				**4590**					**2780**	
Lead	400	200 - 500	1.5	1.6	0.93	1.4	1.3	2.7	2.8	2.2	0.87	5.8
Magnesium	SB	100 – 5,000				231 B					181 B	
Manganese	SB	50 – 5,000				51.4 N					27.6 N	
Nickel	13 or SB	0.5 - 25				1.8 B					2.0 B	
Potassium	SB	8,500 – 43,000				144 B					90.1 B	
Selenium	2 or SB	0.1 - 3.9	0.48 UN	0.49 UN	0.51 BN	0.62 N	0.68 N	0.48 UN	0.48 UN	0.60 N	0.49 UN	0.49 UN
Silver	SB	N/A	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Sodium	SB	6,000 - 8,000				38.9 B					20.6 B	
Thallium	SB	N/A				0.96 B					0.52 B	
Vanadium	150 or SB	1 - 300				3.0 B					2.6 B	
Zinc	20 or SB	9 - 50				10.7					7.2	
Chromium, hexavalent						1 U					1 U	
Cyanide						0.52 U					0.52 U	

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring J-1									
			0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60
			TOB030	TOB030	TOB030	TOB030	TOB030	TOB030	TOB030	TOB030	TOB030	TOB030
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.73**	**0.30**	**0.51**	**0.26**	**0.34**	**0.36**	0.053 U	0.057 B	0.086 B	0.061 U
Aluminum	SB	33,000									3500 *	
Antimony	SB	N/A									0.72 U	
Arsenic	7.5 or SB	3 - 12	4.9	4.7	6.5	6.9	5.4	6.4	1.3	1.5	1.7	1.8
Barium	300 or SB	15 - 600	53.1	62.6	167	65.0	49.7	131	4.8 B	3.3 B	29.9	4.8 B
Beryllium	0.16 or SB	0 - 1.75									0.25 B	
Calcium	SB	130 – 35,000									388 B	
Cadmium	10	0.1 - 1	**33.5**	**14.4**	**26.3**	**18.2**	**19.0**	**11.1**	1.1	0.74	0.22 B	0.080 U
Chromium	50	1.5 - 40	**1340**	**393**	**287**	**332**	**610**	**279**	13.2	24.3	28.6	6.1
Cobalt	30 or SB	2.5 - 60									0.67 B	
Copper	25 or SB	1 - 50									32.0	
Iron	2,000 or SB	2,000 – 550,000									1430 *	
Lead	400	200 - 500	63.4	52.2	61.1	48.0	44.1	419	0.86	1.8	16.8	3.0
Magnesium	SB	100 – 5,000									95.9 B	
Manganese	SB	50 – 5,000									6.6	
Nickel	13 or SB	0.5 - 25									2.2 B	
Potassium	SB	8,500 – 43,000									609 B	
Selenium	2 or SB	0.1 - 3.9	0.68 N	1.2 N	0.84 N	1.1 N	0.63 N	1.3 N	0.49 UN	0.53 UN	0.58 UN	0.57 UN
Silver	SB	N/A	4.7	3.0	2.9	8.8	3.2	2.5	0.14 U	0.15 U	0.17 U	0.16 U
Sodium	SB	6,000 - 8,000									117 B	
Thallium	SB	N/A									0.60 B	
Vanadium	150 or SB	1 - 300									8.2	
Zinc	20 or SB	9 - 50									8.6	
Chromium, hexavalent											12 U	
Cyanide											0.62 U	

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring J-3							
			2-4	4-6	8-10	18-20	28-30	38-40	48-50	58-60
			TOB030	TOB030	TOB030	TOB030	TOB030	TOB030	TOB030	TOB030
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.15**	0.051 U	0.051 U	0.052 U	0.051 U	0.052 U	0.054 U	0.058 U
Aluminum	SB	33,000								560 *
Antimony	SB	N/A								0.38 U
Arsenic	7.5 or SB	3 - 12	0.70 B	3.3	1.4	1.3	0.81 B	5.1	0.71 B	0.90 B
Barium	300 or SB	15 - 600	4.9 B	26.4	12.4 B	5.5 B	4.8 B	7.6 B	2.2 B	4.5 B
Beryllium	0.16 or SB	0 - 1.75								2.0 U
Calcium	SB	130 – 35,000								69.9 B
Cadmium	10	0.1 - 1	0.039 U	2.5	0.41 B	0.038 U	0.23 B	1.3	0.040 U	0.043 U
Chromium	50	1.5 - 40	5.6 *	**76.5** *	23.5	15.0 *	4.4 *	19.2 *	2.2 *	1.2 *
Cobalt	30 or SB	2.5 - 60								0.23 B
Copper	25 or SB	1 - 50								0.52 B
Iron	2,000 or SB	2,000 – 550,000								**2060**
Lead	400	200 - 500	1.8	16.1	4.1	0.32	0.60	0.12 U	1.1	2.4
Magnesium	SB	100 – 5,000								23.0 B
Manganese	SB	50 – 5,000								5.5 N*
Nickel	13 or SB	0.5 - 25								0.23 U
Potassium	SB	8,500 – 43,000								161 BE
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.55 U	0.55 U	0.55 U	0.55 U	0.56 U	0.58 U	0.63 U
Silver	SB	N/A	0.38 U	2.3	0.46 B	0.37 U	0.37 U	0.37 U	0.39 U	0.42 U
Sodium	SB	6,000 - 8,000								17.5 B
Thallium	SB	N/A								0.58 U
Vanadium	150 or SB	1 - 300								4.8 B
Zinc	20 or SB	9 - 50								1.4 B
Chromium, hexavalent										1.2 U
Cyanide										0.58 U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring J-5															
			0-2		2-4		4-6		8-10		18-20		28-30		38-40		48-50		58-60	
			TOB014		TOB014		TOB014		TOB014		TOB014		TOB014		TOB014		TOB014		TOB014	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.052	U	0.057	B	0.052	U	0.051	U	0.051	U	0.056	U	0.055	U	0.056	U	0.058	U
Aluminum	SB	33,000							1200											
Antimony	SB	N/A							0.34	U										
Arsenic	7.5 or SB	3 - 12	1.9		2.1		2.7		1.1		0.86	B	0.66	B	1.3		1.5		0.69	B
Barium	300 or SB	15 - 600	14.1	B	39.9		37.5		7.8	B	5.0	B	2.8	B	7.3	B	13.3	B	1.6	B
Beryllium	0.16 or SB	0 - 1.75							1.8	U										
Calcium	SB	130 – 35,000							248	B										
Cadmium	10	0.1 - 1	0.13	B	1.5		0.70		0.10	B	0.038	U	0.041	U	0.20	B	0.041	U	0.042	U
Chromium	50	1.5 - 40	11.0		32.3		32.0		10.4		3.2		2.5		4.2		4.9		1.3	
Cobalt	30 or SB	2.5 - 60							0.98	B										
Copper	25 or SB	1 - 50							3.0											
Iron	2,000 or SB	2,000 – 550,000	2.6		11.8		8.5		**3520**		0.56		0.88		1.6		3.6		0.68	
Lead	400	200 - 500							1.1											
Magnesium	SB	100 – 5,000							225	B										
Manganese	SB	50 – 5,000							50.4											
Nickel	13 or SB	0.5 - 25							1.6	B										
Potassium	SB	8,500 – 43,000							159	BE										
Selenium	2 or SB	0.1 - 3.9	0.56	UN	0.59	UN	0.56	UN	0.55	UN	0.55	UN	0.60	UN	0.59	UN	0.60	UN	0.62	UN
Silver	SB	N/A	0.37	U	1.5		0.54	B	0.37	U	0.37	U	0.40	U	0.39	U	0.40	U	0.41	U
Sodium	SB	6,000 - 8,000							23.3	B										
Thallium	SB	N/A							0.51	U										
Vanadium	150 or SB	1 - 300							2.9	B										
Zinc	20 or SB	9 - 50							8.3											
Chromium, hexavalent									1	U										
Cyanide									0.51	U										

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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring J-7																	
			0-2		2-4		4-6		6-8		8-10		18-20		28-30		38-40		48-50		58-60	
			TOB011		TOB011		TOB011		TOB011		TOB011		TOB011		TOB011		TOB011		TOB011		TOB011	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.078	B	0.084	B	0.051	U	0.051	U	0.052	U	0.052	U	0.052	U	0.052	U	0.055	U	0.061	U
Aluminum	SB	33,000	4050																			
Antimony	SB	N/A	0.62	UN																		
Arsenic	7.5 or SB	3 - 12	1.8		5.0		1.5		1.8		1.0	B	3.5		1.3		3.3		2.8		1.2	B
Barium	300 or SB	15 - 600	30.2		69.5		9.2	B	5.0	B	9.3	B	5.5	B	5.6	B	9.3	B	7.2	B	2.3	B
Beryllium	0.16 or SB	0 - 1.75	0.16	B																		
Calcium	SB	130 – 35,000	3800	*																		
Cadmium	10	0.1 - 1	0.070	U	3.0		0.067	U	0.067	U	0.068	U	0.068	U	0.068	U	0.068	U	0.073	U	0.080	U
Chromium	50	1.5 - 40	28.9	N*	**82.8**	N*	4.5	N*	2.8	N*	10.5	N*	3.2	N*	3.7	N*	31.7	N*	3.0	N*	1.1	BN*
Cobalt	30 or SB	2.5 - 60	2.1	B																		
Copper	25 or SB	1 - 50	5.8																			
Iron	2,000 or SB	2,000 – 550,000	**7650**	*																		
Lead	400	200 - 500	4.0	N	117	N	2.7	N	1.4	N	2.5	N	1.6	N	1.1	N	3.9	N	2.4	N	0.87	N
Magnesium	SB	100 – 5,000	1010	*																		
Manganese	SB	50 – 5,000	56.0																			
Nickel	13 or SB	0.5 - 25	3.6	B																		
Potassium	SB	8,500 – 43,000	780																			
Selenium	2 or SB	0.1 - 3.9	0.50	U	0.49	U	0.48	U	0.48	U	0.48	U	0.49	U	0.49	U	0.49	U	0.52	U	0.57	U
Silver	SB	N/A	0.14	U	2.0		0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.16	U
Sodium	SB	6,000 - 8,000	124	B																		
Thallium	SB	N/A	0.43	U																		
Vanadium	150 or SB	1 - 300	10.9																			
Zinc	20 or SB	9 - 50	17.0																			
Chromium, hexavalent			1.9																			
Cyanide			0.53	U																		

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N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring J-9									
			0-2	2-4	4-6	6-8	8-10	18-20	28-30	38-40	48-50	58-60
			TOB010	TOB010	TOB010	TOB010	TOB010	TOB010	TOB010	TOB010	TOB010	TOB010
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.053 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.054 U	0.052 U	0.053 U	0.058 U
Aluminum	SB	33,000				2290						
Antimony	SB	N/A				0.59 UN						
Arsenic	7.5 or SB	3 - 12	2.8	0.91 B	1.1	1.3	0.55 B	0.55 B	**13.2**	3.8	4.3	0.95 B
Barium	300 or SB	15 - 600	18.7 B	3.8 B	12.0 B	15.9 B	6.8 B	8.4 B	7.4 B	3.4 B	3.2 B	1.5 B
Beryllium	0.16 or SB	0 - 1.75				0.14 B						
Calcium	SB	130 – 35,000				5200						
Cadmium	10	0.1 - 1	0.39 B	1.6	0.61	0.30 B	0.79	2.0	0.071 U	0.24 B	0.19 B	0.077 U
Chromium	50	1.5 - 40	47.1 *	4.5 *	6.7 *	17.8 *	5.9 *	35.5 *	25.0 *	12.1 *	9.7 *	3.5 *
Cobalt	30 or SB	2.5 - 60				2.9 B						
Copper	25 or SB	1 - 50				4.8						
Iron	2,000 or SB	2,000 – 550,000				**7100**						
Lead	400	200 - 500	6.4	1.3	2.8	2.6	1.4	3.1	6.4	2.4	1.7	0.83
Magnesium	SB	100 – 5,000				1830						
Manganese	SB	50 – 5,000				277 *						
Nickel	13 or SB	0.5 - 25				4.2						
Potassium	SB	8,500 – 43,000				210 BE						
Selenium	2 or SB	0.1 - 3.9	0.50 UN	0.48 UN	0.49 UN	0.48 UN	0.49 UN	0.49 UN	1.1 N	0.49 UN	0.49 UN	0.55 UN
Silver	SB	N/A	0.86 B	0.14 U	0.14 U	0.14 U	0.14 U	0.29 B	0.15 U	0.14 U	0.14 U	0.16 U
Sodium	SB	6,000 - 8,000				87.4 B						
Thallium	SB	N/A				0.47 B						
Vanadium	150 or SB	1 - 300				5.7						
Zinc	20 or SB	9 - 50				14.3						
Chromium, hexavalent						1 U						
Cyanide						0.51 U						

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring J-2				Boring J-4			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB042	TOB042	TOB042	TOB042	TOB034	TOB034	TOB034	TOB034
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	**0.23**	**0.47**	0.092 B	**0.11**	**0.11**	0.051 U	**0.10** B	0.052 U
Aluminum	SB	33,000				4560	6550			
Antimony	SB	N/A				0.37 U	1.3 B			
Arsenic	7.5 or SB	3 - 12	6.9	**12.3**	3.8	3.2	5.8	0.72 B	4.0	4.0
Barium	300 or SB	15 - 600	31.6	57.1	28.2	22.4 B	66.2	3.3 B	41.2	14.0 B
Beryllium	0.16 or SB	0 - 1.75				1.9 U	1.8 U			
Calcium	SB	130 – 35,000				779	7910			
Cadmium	10	0.1 - 1	5.2 N*	**35.7** N*	5.3 N*	5.2 N*	3.4	0.037 U	4.4	1.3
Chromium	50	1.5 - 40	173 *	**1290** *	**54.9** *	49.6 *	**78.5** *	2.8 *	49.5 *	46.5 *
Cobalt	30 or SB	2.5 - 60				2.2 B	4.1 B			
Copper	25 or SB	1 - 50				16.2 E	46.8			
Iron	2,000 or SB	2,000 – 550,000				**6490**	**25400**			
Lead	400	200 - 500	29.2	524	16.7	15.2	56.3	0.58	248	18.2
Magnesium	SB	100 – 5,000				583	1480			
Manganese	SB	50 – 5,000				91.6 N*	169			
Nickel	13 or SB	0.5 - 25				7.5	**13.7**			
Potassium	SB	8,500 – 43,000				252 BE	351 B			
Selenium	2 or SB	0.1 - 3.9	0.60 U	0.63 U	0.59 U	0.60 U	0.58 UN	0.55 UN	0.58 UN	0.56 UN
Silver	SB	N/A	3.9	6.6	5.3	5.1	3.8	0.36 U	2.5	0.50 B
Sodium	SB	6,000 - 8,000				36.8 B	104 B			
Thallium	SB	N/A				0.56 U	0.98 B			
Vanadium	150 or SB	1 - 300				8.3	25.3			
Zinc	20 or SB	9 - 50				**45.3** N*	**218**			
Chromium, hexavalent						1.1 U	1.1 U			
Cyanide						0.7 E	0.9 E			

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring J-6				Boring J-8			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB037	TOB037	TOB037	TOB037	TOB008	TOB008	TOB008	TOB008
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.052 U	**0.12** B	0.074 U	0.054 U	0.054 B	0.080 B	0.055 U	0.052 U
Aluminum	SB	33,000		7150			3820 *			
Antimony	SB	N/A		2.1 B			0.34 UN			
Arsenic	7.5 or SB	3 - 12	0.80 B	6.7	**14.0**	3.9	2.1	2.9	2.9	0.98 B
Barium	300 or SB	15 - 600	6.8 B	125	59.6	48.3	31.0	104	62.7	7.5 B
Beryllium	0.16 or SB	0 - 1.75		2.1 U			1.8 U			
Calcium	SB	130 – 35,000		5620			9850 *			
Cadmium	10	0.1 - 1	0.059 B	1.5	6.4	5.1	3.1 N*	3.9 N*	0.71 N*	0.34 BN*
Chromium	50	1.5 - 40	6.9 N	**54.9** N	36.7 N	36.6 N	**51.4** N*	47.4 N*	19.6 N*	8.4 N*
Cobalt	30 or SB	2.5 - 60		6.2 B			3.3 B			
Copper	25 or SB	1 - 50		**54.3**			**37.2**			
Iron	2,000 or SB	2,000 – 550,000		**15400**			**7780** *			
Lead	400	200 - 500	1.2 N	54.4 N	5.9 N	20.4 N	30.9	109	10.5	1.2
Magnesium	SB	100 – 5,000		895			1460			
Manganese	SB	50 – 5,000		137 N			88.5			
Nickel	13 or SB	0.5 - 25		16.1			5.9			
Potassium	SB	8,500 – 43,000		299 B			245 B			
Selenium	2 or SB	0.1 - 3.9	0.55 U	0.67 U	0.79 U	0.58 U	0.56 U	0.59 U	0.59 U	0.56 U
Silver	SB	N/A	0.37 U	1.3	0.53 U	0.59 B	2.0	2.4	0.39 U	0.37 U
Sodium	SB	6,000 - 8,000		122 B			84.8 B			
Thallium	SB	N/A		0.62 U			0.52 U			
Vanadium	150 or SB	1 - 300		22.5			10			
Zinc	20 or SB	9 - 50		**272**			**101** *			
Chromium, hexavalent				1.2 U			1.1 U			
Cyanide				0.62 U			0.59			

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring J-10							
			0-2		2-4		4-6		8-10	
			TOBY006		TOBY006		TOBY006		TOBY006	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.052	U	0.052	U	0.052	U	0.052	U
Aluminum	SB	33,000	2610	E						
Antimony	SB	N/A	0.60	UN						
Arsenic	7.5 or SB	3 - 12	1.6		0.99	B	2.4		1.2	
Barium	300 or SB	15 - 600	8.7	BE	5.5	BE	5.5	BE	5.8	BE
Beryllium	0.16 or SB	0 - 1.75	0.16	B						
Calcium	SB	130 – 35,000	1830	*E						
Cadmium	10	0.1 - 1	0.068	U	0.068	U	0.068	U	0.68	
Chromium	50	1.5 - 40	6.5	*E	4.2	*E	17.9	*E	22.4	*E
Cobalt	30 or SB	2.5 - 60	1.8	B						
Copper	25 or SB	1 - 50	3.1							
Iron	2,000 or SB	2,000 – 550,000	**5340**	*E						
Lead	400	200 - 500	2.3	N	1.3	N	1.4	N	2.7	N
Magnesium	SB	100 – 5,000	450	BE						
Manganese	SB	50 – 5,000	86.1	N*E						
Nickel	13 or SB	0.5 - 25	2.4	B						
Potassium	SB	8,500 – 43,000	204	B						
Selenium	2 or SB	0.1 - 3.9	0.49	U	0.49	U	0.49	U	0.49	U
Silver	SB	N/A	0.14	U	0.14	U	0.14	U	0.44	B
Sodium	SB	6,000 - 8,000	34.0	B						
Thallium	SB	N/A	0.42	U						
Vanadium	150 or SB	1 - 300	5.6							
Zinc	20 or SB	9 - 50	10.3	E						
Chromium, hexavalent			1	U						
Cyanide			0.52	U						

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring K-4										Boring K-5									
			0-2		2-4		4-6		6-8		8-10		0-2		2-4		4-6		6-8		8-10	
			TOB004		TOB004		TOB004		TOB004		TOB004		TOB004		TOB004		TOB004		TOB004		TOB004	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	**0.15**		**0.70**		0.058	U	0.059	U	0.052	U	0.053	U	0.054	U	0.052	U	0.053	U	0.051	U
Aluminum	SB	33,000									952						3380				1290	
Antimony	SB	N/A									0.34	UN					0.34	UN			0.34	UN
Arsenic	7.5 or SB	3 - 12	4.0		2.5		3.1		2.4		0.59	U	0.98	B	0.86	B	0.90	B	0.79	B	9.5	
Barium	300 or SB	15 - 600	538		16.2	B	32.0		49.0		5.5	B	8.6	B	12.2	B	23.3		14.9	B	7.5	B
Beryllium	0.16 or SB	0 - 1.75									1.8	U					1.8	U			1.8	U
Calcium	SB	130 – 35,000									213	B*					13500	*			1860	*
Cadmium	10	0.1 - 1	2.7		0.33	B	0.64		0.46	B	0.12	B	0.33	B	0.21	B	0.36	B	0.35	B	0.25	B
Chromium	50	1.5 - 40	41.1	N	8.7	N	14.2	N	24.4	N	3.1	N	10.1	N	7.9	N	10.3	N	17.8	N	8.5	N
Cobalt	30 or SB	2.5 - 60									0.44	B					2.1	B			1.1	B
Copper	25 or SB	1 - 50									1.8	B					6.0				3.1	
Iron	2,000 or SB	2,000 – 550,000									**2800**						**5550**				**5710**	
Lead	400	200 - 500	55.2	N*	6.1	N*	4.3	N*	9.2	N*	0.65	N*	1.9	N*	1.7	N*	2.0	N*	1.4	N*	1.2	N*
Magnesium	SB	100 – 5,000									174	B					3190				491	B
Manganese	SB	50 – 5,000									18.8						79.5				50.4	
Nickel	13 or SB	0.5 - 25									0.95	B					3.3	B			2.8	B
Potassium	SB	8,500 – 43,000									120	BE					264	BE			161	BE
Selenium	2 or SB	0.1 - 3.9	0.57	U	0.58	U	0.62	U	0.63	U	0.56	U	0.57	U	0.58	U	0.56	U	0.57	U	0.55	U
Silver	SB	N/A	2.1		0.39	U	0.41	U	0.42	U	0.37	U	0.38	U	0.39	U	0.37	U	0.38	U	0.37	U
Sodium	SB	6,000 - 8,000									20.6	B					113	B			34.4	B
Thallium	SB	N/A									0.52	U					0.52	U			0.51	U
Vanadium	150 or SB	1 - 300									1.9	B					12.1				4.2	B
Zinc	20 or SB	9 - 50									8.9	E					14.2	E			8.4	E
Chromium, hexavalent											1	U					1	U			1	U
Cyanide											0.52	U					0.52	U			0.51	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring K-6										Boring K-7									
			0-2		2-4		4-6		6-8		8-10		0-2		2-4		4-6		6-8		8-10	
			TOB004		TOB004		TOB004		TOB004		TOB004		TOB007		TOB007		TOB007		TOB007		TOB007	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.052	U	0.051	U	0.053	U	0.054	U	0.054	U	0.052	U	0.053	U	0.053	U	0.052	U	0.052	U
Aluminum	SB	33,000			3570				1540		1610								3280			
Antimony	SB	N/A			0.34	UN			0.36	UN	0.35	UN							0.60	UN		
Arsenic	7.5 or SB	3 - 12	3.5		4.0		2.1		0.92	B	0.98	B	2.2		5.6		2.2		2.3		1.3	
Barium	300 or SB	15 - 600	55.0		21.0		40.1		11.2	B	11.1	B	27.6		57.7		25.7		20.5	B	12.5	B
Beryllium	0.16 or SB	0 - 1.75			1.7	U			1.9	U	1.8	U							0.20	B		
Calcium	SB	130 – 35,000			20500	*			4760	*	5250	*							21200			
Cadmium	10	0.1 - 1	1.0		0.48	B	0.48	B	0.44	B	0.44	B	0.36	B	0.63		0.39	B	0.24	B	0.068	U
Chromium	50	1.5 - 40	20.4	N	20.9	N	19.7	N	10	N	17.8	N	20.1	N*	41.9	N*	19.8	N*	27.0	N*	18.6	N*
Cobalt	30 or SB	2.5 - 60			1.8	B			1.5	B	1.9	B							1.7	B		
Copper	25 or SB	1 - 50			8.1				5.7		10.2								7.8			
Iron	2,000 or SB	2,000 – 550,000			**5700**				**5950**		**7320**								**7570**			
Lead	400	200 - 500	12.9	N*	4.1	N*	19.5	N*	5.6	N*	3.1	N*	4.0	N*	16.3	N*	7.2	N*	5.4	N*	2.9	N*
Magnesium	SB	100 – 5,000			3920				889		1040								3920	*		
Manganese	SB	50 – 5,000			76.7				183		145								92.5	N		
Nickel	13 or SB	0.5 - 25			4.2				3.1	B	5.0								5.2			
Potassium	SB	8,500 – 43,000			324	BE			165	BE	174	BE							325	B		
Selenium	2 or SB	0.1 - 3.9	0.56	U	0.55	U	0.57	U	0.58	U	0.58	U	0.49	U	2.3		0.50	U	0.49	U	0.49	U
Silver	SB	N/A	0.37	U	0.58	B	0.38	U	0.39	U	0.38	U	0.45	B	0.24	B	0.25	B	0.26	B	0.14	U
Sodium	SB	6,000 - 8,000			120	B			46.9	B	48.6	B							129	B		
Thallium	SB	N/A			0.51	U			0.54	U	0.54	U							0.72	B		
Vanadium	150 or SB	1 - 300			11.7				6.8		4.3	B							7.0			
Zinc	20 or SB	9 - 50			**24.3**	E			**255**	E	**129**	E							15.9	E		
Chromium, hexavalent					1	U			1.1	U	1.1								1	U		
Cyanide					0.51	U			0.54	U	0.54	U							0.52	U		

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring K-8											
			0-2		2-4		4-6		6-8		8-10		18-20	
			TOB007		TOB007		TOB007		TOB007		TOB007		TOB007	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	**0.11**	B	0.057	B	0.054	U	0.055	U	0.057	U	0.053	U
Aluminum	SB	33,000											1780	
Antimony	SB	N/A											0.61	UN
Arsenic	7.5 or SB	3 - 12	6.4		3.8		3.1		3.9		**20.5**		2.1	
Barium	300 or SB	15 - 600	179		37.0		26.8		28.9		57.8		8.8	B
Beryllium	0.16 or SB	0 - 1.75											0.11	B
Calcium	SB	130 – 35,000											1290	
Cadmium	10	0.1 - 1	**24.2**		0.74		0.46	B	0.26	B	0.76		0.070	U
Chromium	50	1.5 - 40	30.7	N*	48.0	N*	22.0	N*	28.2	N*	**3400**	N*	10.6	N*
Cobalt	30 or SB	2.5 - 60											1.4	B
Copper	25 or SB	1 - 50											2.8	
Iron	2,000 or SB	2,000 – 550,000											**4320**	
Lead	400	200 - 500	65.7	N*	16.6	N*	11.1	N*	18.6	N*	11.1	N*	3.2	N*
Magnesium	SB	100 – 5,000											240	B*
Manganese	SB	50 – 5,000											63.7	N
Nickel	13 or SB	0.5 - 25											2.2	B
Potassium	SB	8,500 – 43,000											102	B
Selenium	2 or SB	0.1 - 3.9	0.82		0.49	U	0.51	U	0.51	U	**17.0**		0.50	U
Silver	SB	N/A	0.31	B	1.0	B	0.46	B	0.16	B	0.27	B	0.14	U
Sodium	SB	6,000 - 8,000											35.3	B
Thallium	SB	N/A											0.43	U
Vanadium	150 or SB	1 - 300											6.7	
Zinc	20 or SB	9 - 50											12.4	E
Chromium, hexavalent													1.1	U
Cyanide													0.53	U

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring K-9									
			0-2		2-4		4-6		6-8		8-10	
			TOB007		TOB007		TOB007		TOB007		TOB007	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.053	U	**0.36**		0.054	U	0.054	U	0.052	U
Aluminum	SB	33,000							1350			
Antimony	SB	N/A							0.62	UN		
Arsenic	7.5 or SB	3 - 12	1.6		4.3		0.86	B	1.9		1.1	
Barium	300 or SB	15 - 600	13.2	B	47.0		12.9	B	12.9	B	13.2	B
Beryllium	0.16 or SB	0 - 1.75							0.12	B		
Calcium	SB	130 – 35,000							18200			
Cadmium	10	0.1 - 1	0.54		2.6		4.5		5.5		4.6	
Chromium	50	1.5 - 40	26.4	N*	**59.6**	N*	13.5	N*	13.4	N*	22.7	N*
Cobalt	30 or SB	2.5 - 60							0.75	B		
Copper	25 or SB	1 - 50							9.8			
Iron	2,000 or SB	2,000 – 550,000							**4670**			
Lead	400	200 - 500	6.8	N*	42.6	N*	4.4	N*	5.2	N*	4.1	N*
Magnesium	SB	100 – 5,000							**8730**	*		
Manganese	SB	50 – 5,000							58.2	N		
Nickel	13 or SB	0.5 - 25							2.1	B		
Potassium	SB	8,500 – 43,000							148	B		
Selenium	2 or SB	0.1 - 3.9	0.49	U	0.54	U	0.51	U	0.50	U	0.49	U
Silver	SB	N/A	0.95	B	0.53	B	0.21	B	0.21	B	0.29	B
Sodium	SB	6,000 - 8,000							63.4	B		
Thallium	SB	N/A							0.43	U		
Vanadium	150 or SB	1 - 300							3.5	B		
Zinc	20 or SB	9 - 50							**28.0**	E		
Chromium, hexavalent									1.1	U		
Cyanide									4.3	E		

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring L-5															
			0-2		2-4		8-10		18-20		28-30		38-40		48-50		58-60	
			TOB045		TOB045		TOB045		TOB045		TOB045		TOB045		TOB045		TOB045	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.055	UN	0.052	UN	0.053	UN	0.053	UN	0.052	UN	0.052	UN	0.056	UN	0.062	UN
Aluminum	SB	33,000							2730	*								
Antimony	SB	N/A							0.61	U								
Arsenic	7.5 or SB	3 - 12	0.51	B	0.40	B	2.1		2.2		1.3		0.89	B	**7.8**		0.81	B
Barium	300 or SB	15 - 600	10.8	B	12.6	B	13.2	B	14.2	B	5.9	B	4.8	B	10.7	B	2.9	B
Beryllium	0.16 or SB	0 - 1.75							0.17	B								
Calcium	SB	130 – 35,000							2090									
Cadmium	10	0.1 - 1	0.22	B	0.068	U	0.11	B	0.20	B	0.16	B	0.097	B	0.11	B	0.081	U
Chromium	50	1.5 - 40	9.5	*	3.2	*	22.3	*	13.6	*	8.2	*	6.0	*	**66.2**	*	1.3	*
Cobalt	30 or SB	2.5 - 60							1.8	B								
Copper	25 or SB	1 - 50							3.7									
Iron	2,000 or SB	2,000 – 550,000							**5570**									
Lead	400	200 - 500	4.0	N	1.7	N	3.5	N	2.7	N	1.6	N	1.1	N	8.5	N	1.1	N
Magnesium	SB	100 – 5,000							740									
Manganese	SB	50 – 5,000							68.8									
Nickel	13 or SB	0.5 - 25							3.0	B								
Potassium	SB	8,500 – 43,000							222	B								
Selenium	2 or SB	0.1 - 3.9	0.51	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	1.9		0.58	U
Silver	SB	N/A	0.53	B	0.14	U	0.27	B	0.14	U	0.14	U	0.14	U	0.15	U	0.17	U
Sodium	SB	6,000 - 8,000							49.5	B								
Thallium	SB	N/A							0.42	U								
Vanadium	150 or SB	1 - 300							6.2									
Zinc	20 or SB	9 - 50							11.1									
Chromium, hexavalent									1.1	U								
Cyanide									0.53	U								

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring L-7													
			0-2		2-4		8-10		18-20		28-30		38-40		48-50		58-60	
			TOB006		TOB006		TOB006		TOB006		TOB006		TOB006		TOB006		TOB006	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.054	U	0.053	U	0.051	U	0.053	U	0.052	U	0.055	U	0.053	U	0.062	U
Aluminum	SB	33,000	3450	E														
Antimony	SB	N/A	0.62	UN														
Arsenic	7.5 or SB	3 - 12	2.3		1.4		0.57	B	1.7		3.1		2.1		1.0	B	1.7	
Barium	300 or SB	15 - 600	18.7	BE	13.0	BE	6.1	BE	11.7	BE	16.1	BE	3.1	BE	2.9	BE	5.9	BE
Beryllium	0.16 or SB	0 - 1.75	0.23	B														
Calcium	SB	130 – 35,000	4260	*E														
Cadmium	10	0.1 - 1	0.27	B	0.070	U	0.067	U	0.069	U	0.068	U	0.071	U	0.070	U	0.081	U
Chromium	50	1.5 - 40	14.9	*E	21.4	*E	6.6	*E	5.3	*E	9.8	*E	2.6	*E	0.70	B*E	3.9	*E
Cobalt	30 or SB	2.5 - 60	3.1	B														
Copper	25 or SB	1 - 50	5.7															
Iron	2,000 or SB	2,000 – 550,000	**6190**	*E														
Lead	400	200 - 500	4.7	N	5.6	N	0.76	N	1.8	N	2.3	N	1.5	N	0.78	N	5.3	N
Magnesium	SB	100 – 5,000	624	E														
Manganese	SB	50 – 5,000	110	N*E														
Nickel	13 or SB	0.5 - 25	3.8	B														
Potassium	SB	8,500 – 43,000	171	B														
Selenium	2 or SB	0.1 - 3.9	0.50	U	0.50	U	0.48	U	0.50	U	0.48	U	0.51	U	0.50	U	0.58	U
Silver	SB	N/A	0.27	B	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.17	U
Sodium	SB	6,000 - 8,000	48.7	B														
Thallium	SB	N/A	0.56	B														
Vanadium	150 or SB	1 - 300	8.3															
Zinc	20 or SB	9 - 50	16.6	E														
Chromium, hexavalent			1.1	U														
Cyanide			0.54	U														

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring L-9							
			0-2	2-4	8-10	18-20	28-30	38-40	48-50	58-60
			TOB005	TOB005	TOB005	TOB005	TOB005	TOB005	TOB005	TOB005
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.062 B	0.060 U	0.052 U	0.052 U	0.051 U	0.053 U	0.052 U	0.058 U
Aluminum	SB	33,000	4180							
Antimony	SB	N/A	0.35 UN							
Arsenic	7.5 or SB	3 - 12	1.2	3.8	0.58 U	0.64 B	**14.9**	0.60 U	0.58 B	0.66 U
Barium	300 or SB	15 - 600	16.9 B	51.8	4.0 B	4.3 B	6.9 B	3.3 B	1.0 B	1.2 B
Beryllium	0.16 or SB	0 - 1.75	1.8 U							
Calcium	SB	130 – 35,000	4200							
Cadmium	10	0.1 - 1	0.61	0.81	0.24 B	0.10 B	1.6	0.075 B	0.038 U	0.043 U
Chromium	50	1.5 - 40	20.1	19.9	4.1	3.1	**83.0**	3.1	0.62 B	1.3
Cobalt	30 or SB	2.5 - 60	2.2 B							
Copper	25 or SB	1 - 50	7.8							
Iron	2,000 or SB	2,000 – 550,000	**5440**							
Lead	400	200 - 500	3.6	6.8	0.59	1.0	0.12 U	0.97	0.38	1.0
Magnesium	SB	100 – 5,000	833							
Manganese	SB	50 – 5,000	62.4							
Nickel	13 or SB	0.5 - 25	4.6							
Potassium	SB	8,500 – 43,000	291 BE							
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.65 U	0.55 U	0.56 U	0.55 U	0.57 U	0.55 U	0.63 U
Silver	SB	N/A	0.50 B	0.43 U	0.37 U	0.37 U	0.37 U	0.38 U	0.37 U	0.42 U
Sodium	SB	6,000 - 8,000	96.8 B							
Thallium	SB	N/A	0.53 U							
Vanadium	150 or SB	1 - 300	7.5							
Zinc	20 or SB	9 - 50	**33.9** E							
Chromium, hexavalent			1.5							
Cyanide			0.53 U							

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring L-4								Boring L-6							
			0-2		2-4		4-6		8-10		0-2		2-4		4-6		8-10	
			TOB003		TOB003		TOB003		TOB003		TOB003		TOB003		TOB003		TOB003	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.25	U	0.054	U	0.057	U	0.052	U	0.052	U	0.052	U	0.054	U	0.052	U
Aluminum	SB	33,000	6190								2310							
Antimony	SB	N/A	0.33	U							0.34	U						
Arsenic	7.5 or SB	3 - 12	1.6		2.1		2.4		2.4		1.3	N*	1.4	N*	0.61	UN*	0.86	BN*
Barium	300 or SB	15 - 600	14.9	B	11.0	B	13.6	B	4.4	B	6.9	B	6.9	B	3.9	B	9.7	B
Beryllium	0.16 or SB	0 - 1.75	1.7	U							1.8	U						
Calcium	SB	130 – 35,000	3530								1520							
Cadmium	10	0.1 - 1	0.35	B	0.28	B	0.37	B	0.98	B	0.20	B	0.30	B	0.072	B	0.33	B
Chromium	50	1.5 - 40	21.3		10.3		10.6		2.8	B	9.2		11.1		5.8		53.7	
Cobalt	30 or SB	2.5 - 60	2.7	B							1.1	B						
Copper	25 or SB	1 - 50	5.6	*							2.0	BN						
Iron	2,000 or SB	2,000 – 550,000	**8780**								**4530**	*						
Lead	400	200 - 500	3.2		2.7		2.4		1.5		1.1		1.5		0.39		0.66	
Magnesium	SB	100 – 5,000	1190	B							274	B						
Manganese	SB	50 – 5,000	77.1	N*							46.1							
Nickel	13 or SB	0.5 - 25	5.7								1.7	B						
Potassium	SB	8,500 – 43,000	391	B							122	BE						
Selenium	2 or SB	0.1 - 3.9	0.54	U	0.58	U	0.61	U	0.55	U	0.56	U	0.56	U	0.58	U	0.56	U
Silver	SB	N/A	0.36	U	0.38	U	0.40	U	0.37	U	0.37	U	0.37	U	0.38	U	0.37	U
Sodium	SB	6,000 - 8,000	85.2	B							33.0	B						
Thallium	SB	N/A	0.51	U							0.52	U						
Vanadium	150 or SB	1 - 300	9.9								4.1	B						
Zinc	20 or SB	9 - 50	15.4								6.7							
Chromium, hexavalent			1	U							1	U						
Cyanide			0.51	U							0.52	U						

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring L-8							
			0-2		2-4		4-6		8-10	
			TOB003		TOB003		TOB003		TOB003	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.050	U	0.052	U	0.052	U	0.052	U
Aluminum	SB	33,000	2960							
Antimony	SB	N/A	0.33	U						
Arsenic	7.5 or SB	3 - 12	1.9	N*	0.59	UN*	1.4	N*	1.0	BN*
Barium	300 or SB	15 - 600	9.9	B	6.4	B	8.7	B	12.6	B
Beryllium	0.16 or SB	0 - 1.75	1.7	U						
Calcium	SB	130 – 35,000	1770							
Cadmium	10	0.1 - 1	0.64		0.084	B	0.76		0.43	B
Chromium	50	1.5 - 40	21.1		6.3		**465**		48.7	
Cobalt	30 or SB	2.5 - 60	2.1	B						
Copper	25 or SB	1 - 50	5.9	N						
Iron	2,000 or SB	2,000 – 550,000	**7100**	*						
Lead	400	200 - 500	2.4		0.89		0.12	U	1.3	
Magnesium	SB	100 – 5,000	617							
Manganese	SB	50 – 5,000	57.9							
Nickel	13 or SB	0.5 - 25	4.0							
Potassium	SB	8,500 – 43,000	244	BE						
Selenium	2 or SB	0.1 - 3.9	0.54	U	0.56	U	0.56	U	0.56	U
Silver	SB	N/A	0.36	U	0.37	U	0.37	U	0.37	U
Sodium	SB	6,000 - 8,000	44.3	B						
Thallium	SB	N/A	0.50	U						
Vanadium	150 or SB	1 - 300	6.6							
Zinc	20 or SB	9 - 50	**20.7**							
Chromium, hexavalent			1	U						
Cyanide			0.50	U						

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N – Matrix spike sample recovery not within control limits.
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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring M-4				Boring M-5			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB002	TOB002	TOB002	TOB002	TOB002	TOB002	TOB002	TOB002
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.051 U	0.054 U	0.051 U	0.053 U	0.081 B	0.051 U	0.051 U	0.053 U
Aluminum	SB	33,000	2980				4660			
Antimony	SB	N/A	0.34 U				0.34 U			
Arsenic	7.5 or SB	3 - 12	1.2	0.61 U	0.69 B	1.9	3.6	0.58 U	1.1	0.87 B
Barium	300 or SB	15 - 600	14.9 B	6.6 B	11.9 B	8.7 B	23.2	13.7 B	11.6 B	7.0 B
Beryllium	0.16 or SB	0 - 1.75	1.7 U				1.8 U			
Calcium	SB	130 – 35,000	7010				596			
Cadmium	10	0.1 - 1	0.57	0.95	0.23 B	0.20 B	4.4	0.11 B	0.76	0.22 B
Chromium	50	1.5 - 40	15.7	3.2	3.8	7.2	**50.9**	1.0	1.8	9.1
Cobalt	30 or SB	2.5 - 60	1.3 B				1.9 B			
Copper	25 or SB	1 - 50	4.5 *				21.7 *			
Iron	2,000 or SB	2,000 – 550,000	**3800**				**6460**			
Lead	400	200 - 500	3.2	0.85	1.4	0.61	17.9	2.5	0.12 U	0.78
Magnesium	SB	100 – 5,000	638				506 B			
Manganese	SB	50 – 5,000	58.0 N*				70.4 N*			
Nickel	13 or SB	0.5 - 25	2.4 B				4.7			
Potassium	SB	8,500 – 43,000	279 B				269 B			
Selenium	2 or SB	0.1 - 3.9	0.55 U	0.58 U	0.55 U	0.57 U	0.56 U	0.55 U	0.55 U	0.56 U
Silver	SB	N/A	0.49 B	0.38 U	0.37 U	0.38 U	4.5	0.37 U	0.37 U	0.38 U
Sodium	SB	6,000 - 8,000	106 B				43.9 B			
Thallium	SB	N/A	0.51 U				0.52 U			
Vanadium	150 or SB	1 - 300	6.4				10.7			
Zinc	20 or SB	9 - 50	14.1				**51.0**			
Chromium, hexavalent			1.7				3.0			
Cyanide			0.51 U				0.52 U			

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring M-6				Boring M-7			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB002	TOB002	TOB002	TOB002	TOB001	TOB001	TOB001	TOB001
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.053 U	0.058 U	0.052 U	0.052 U	0.052 U	0.057 U	0.051 U	**0.10** B
Aluminum	SB	33,000	1990				3880			
Antimony	SB	N/A	0.35 U				0.34 U			
Arsenic	7.5 or SB	3 - 12	0.90 B	0.97 B	0.59 U	0.60 B	1.7 *	1.9 *	0.57 U*	0.60 U*
Barium	300 or SB	15 - 600	6.0 B	18.0 B	4.3 B	4.2 B	11.8 B	26.1	7.0 B	8.5 B
Beryllium	0.16 or SB	0 - 1.75	1.8 U				1.8 U			
Calcium	SB	130 – 35,000	863				725			
Cadmium	10	0.1 - 1	0.14 B	0.30 B	0.13 B	0.16 B	0.68	0.24 B	0.12 B	0.22 B
Chromium	50	1.5 - 40	12.7	10.4	6.3	3.7	27.3 *	7.6 *	6.2 *	26.8 *
Cobalt	30 or SB	2.5 - 60	0.83 B				2.0 B			
Copper	25 or SB	1 - 50	2.1 B*				8.2			
Iron	2,000 or SB	2,000 – 550,000	**3130**				**6120** *			
Lead	400	200 - 500	1.1	4.0	0.92	0.54	5.2	3.0	0.62	0.37
Magnesium	SB	100 – 5,000	253 B				557			
Manganese	SB	50 – 5,000	27.6 N*				64.5			
Nickel	13 or SB	0.5 - 25	2.0 B				3.3 B			
Potassium	SB	8,500 – 43,000	151 B				214 BE			
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.62 U	0.56 U	0.56 U	0.56 U	0.61 U	0.55 U	0.57 U
Silver	SB	N/A	0.38 U	0.41 U	0.37 U	0.37 U	0.76 B	0.41 U	0.36 U	0.38 U
Sodium	SB	6,000 - 8,000	26.4 B				48.5 B			
Thallium	SB	N/A	0.53 U				0.52 U			
Vanadium	150 or SB	1 - 300	4.4 B				7.6			
Zinc	20 or SB	9 - 50	5.7				**21.5**			
Chromium, hexavalent			1.1 U				2.4			
Cyanide			0.53 U				0.52 U			

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring M-8				Boring M-9			
			0-2	2-4	4-6	8-10	0-2	2-4	4-6	8-10
			TOB001	TOB001	TOB001	TOB001	TOB001	TOB001	TOB001	TOB001
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.056 U	0.051 U	0.052 U	0.051 U	0.053 U	0.051 U	0.052 U	0.051 U
Aluminum	SB	33,000	15200						1250	
Antimony	SB	N/A	0.37 U						0.34 U	
Arsenic	7.5 or SB	3 - 12	4.7 *	0.83 B*	1.2 *	1.4 *	1.4 *	0.85 B*	0.58 U*	**10.2** *
Barium	300 or SB	15 - 600	39.3	4.8 B	6.6 B	7.8 B	13.0 B	8.8 B	4.3 B	4.7 B
Beryllium	0.16 or SB	0 - 1.75	1.9 U						1.8 U	
Calcium	SB	130 – 35,000	592						444 B	
Cadmium	10	0.1 - 1	0.59	0.11 B	0.18 B	0.20 B	2.5	0.13 B	0.14 B	0.13 B
Chromium	50	1.5 - 40	16.6 *	2.2 *	10.8 *	13.7 *	**74.9** *	13.7 *	4.6 *	6.5 *
Cobalt	30 or SB	2.5 - 60	6.7						1.0 B	
Copper	25 or SB	1 - 50	10.2						2.1 B	
Iron	2,000 or SB	2,000 – 550,000	**17900** *						2660 *	
Lead	400	200 - 500	6.8	1.0	1.0	1.2	3.8	0.79	0.81	0.89
Magnesium	SB	100 – 5,000	2130						248 B	
Manganese	SB	50 – 5,000	148						48.9	
Nickel	13 or SB	0.5 - 25	9.5						1.9 B	
Potassium	SB	8,500 – 43,000	516 BE						145 BE	
Selenium	2 or SB	0.1 - 3.9	0.60 U	0.54 U	0.56 U	0.55 U	0.56 U	0.55 U	0.55 U	0.55 U
Silver	SB	N/A	0.40 U	0.36 U	0.37 U	0.37 U	3.0	0.36 U	0.37 U	0.36 U
Sodium	SB	6,000 - 8,000	202 B						27.5 B	
Thallium	SB	N/A	0.56 U						0.52 U	
Vanadium	150 or SB	1 - 300	25.8						2.5 B	
Zinc	20 or SB	9 - 50	**30.6**						9.5	
Chromium, hexavalent			1.1 U						1 U	
Cyanide			0.56 U						0.52 U	

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring N-5							
			0-2	2-4	8-10	18-20	28-30	38-40	48-50	58-60
			TOB005	TOB005	TOB005	TOB005	TOB005	TOB005	TOB005	TOB005
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.052 U	0.053 U	0.052 U	0.052 U	0.052 U	0.054 U	0.053 U*	0.060 U
Aluminum	SB	33,000	4400							
Antimony	SB	N/A	0.34 UN							
Arsenic	7.5 or SB	3 - 12	2.8	1.2	1.2	1.1	1.5	1.2	0.60 U	0.67 U
Barium	300 or SB	15 - 600	23.0	7.7 B	8.5 B	10.1 B	12.0 B	4.8 B	2.5 B	1.8 B
Beryllium	0.16 or SB	0 - 1.75	1.8 U							
Calcium	SB	130 – 35,000	1470							
Cadmium	10	0.1 - 1	2.9	0.24 B	0.49 B	0.32 B	0.44 B	0.17 B	0.051 B	0.045 B
Chromium	50	1.5 - 40	**52.1**	3.4	**56.9**	13.7	**20.0**	5.0	0.73 B	2.4
Cobalt	30 or SB	2.5 - 60	2.6 B							
Copper	25 or SB	1 - 50	18.5							
Iron	2,000 or SB	2,000 – 550,000	**6460**							
Lead	400	200 - 500	24.6	1.7	1.0	4.1	6.8	1.2	1.5	1.3
Magnesium	SB	100 – 5,000	595							
Manganese	SB	50 – 5,000	84.3							
Nickel	13 or SB	0.5 - 25	5.3							
Potassium	SB	8,500 – 43,000	309 BE							
Selenium	2 or SB	0.1 - 3.9	0.55 U	0.56 U	0.56 U	0.56 U	0.56 U	0.57 U	0.57 U	0.64 U
Silver	SB	N/A	2.7	0.38 U	0.37 U	0.37 U	0.37 U	0.38 U	0.38 U	0.43 U
Sodium	SB	6,000 - 8,000	46.8 B							
Thallium	SB	N/A	0.52 U							
Vanadium	150 or SB	1 - 300	12.3							
Zinc	20 or SB	9 - 50	**77.7** E							
Chromium, hexavalent			1.6							
Cyanide			0.52 U							

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring N-7							
			0-2	2-4	8-10	18-20	28-30	38-40	48-50	58-60
			TOB010	TOB010	TOB010	TOB010	TOB010	TOB010	TOB010	TOB010
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.053 U	0.082 B	0.052 U	0.055 U	0.054 U	0.053 U	0.052 U	0.059 U
Aluminum	SB	33,000	4220							
Antimony	SB	N/A	0.61 UN							
Arsenic	7.5 or SB	3 - 12	4.7	3.2	4.4	2.1	1.6	6.1	1.1	2.2
Barium	300 or SB	15 - 600	18.0 B	**855**	60.2	68.5	9.9 B	43.8	2.3 B	2.6 B
Beryllium	0.16 or SB	0 - 1.75	0.16 B							
Calcium	SB	130 – 35,000	15200							
Cadmium	10	0.1 - 1	0.53	0.65	0.25 B	0.19 B	0.071 U	0.37 B	0.071 B	0.077 U
Chromium	50	1.5 - 40	22.6 *	**55.9** *	**89.6** *	31.8 *	9.2 *	**84.8** *	2.1 *	6.1 *
Cobalt	30 or SB	2.5 - 60	1.5 B							
Copper	25 or SB	1 - 50	4.7							
Iron	2,000 or SB	2,000 – 550,000	**5390**							
Lead	400	200 - 500	2.7	22.3	13.7	9.2	2.0	14.5	0.88	2.5
Magnesium	SB	100 – 5,000	1240							
Manganese	SB	50 – 5,000	64.8 *							
Nickel	13 or SB	0.5 - 25	3.0 B							
Potassium	SB	8,500 – 43,000	215 BE							
Selenium	2 or SB	0.1 - 3.9	0.50 UN	0.86 N	0.49 UN	0.51 UN	0.51 UN	0.95 N	0.49 UN	0.55 UN
Silver	SB	N/A	0.14 U	0.15 U	0.14 U	0.15 U	0.15 U	0.14 U	0.14 U	0.16 U
Sodium	SB	6,000 - 8,000	84.1 B							
Thallium	SB	N/A	0.46 B							
Vanadium	150 or SB	1 - 300	5.9							
Zinc	20 or SB	9 - 50	16.8							
Chromium, hexavalent			1.1 U							
Cyanide			0.53 U							

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TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring N-9															
			0-2		2-4		8-10		10-12		18-20		28-30		38-40		48-50		58-60	
			TOB010		TOB003		TOB003		TOB003		TOB003		TOB003		TOB003		TOB003		TOB003	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.052	U	0.070	B	0.052	U	**0.20**		**0.11**		0.052	U	0.052	U	0.052	U	0.058	U
Aluminum	SB	33,000							1610										158	
Antimony	SB	N/A							0.35	U									0.38	U
Arsenic	7.5 or SB	3 - 12	1.2		1.4	N*	0.59	UN*	4.2	N*	2.8	N*	1.8	N*	1.5	N*	**9.4**	N*	1.1	BN*
Barium	300 or SB	15 - 600	14.1	B	21.5	B	4.9	B	19.9	B	18.1	B	6.8	B	4.3	B	9.0	B	2.0	B
Beryllium	0.16 or SB	0 - 1.75							1.8	U									2.0	U
Calcium	SB	130 – 35,000							3690										64.3	B
Cadmium	10	0.1 - 1	0.50	B	1.1		0.17	B	0.75		0.92		0.22	B	0.18	B	0.61		0.069	B
Chromium	50	1.5 - 40	24.1	*	14.5		10.5		34.1		42.9		16.9		7.8		20.6		3.6	
Cobalt	30 or SB	2.5 - 60							1.8	B									0.21	B
Copper	25 or SB	1 - 50							15.5	N									0.45	BN
Iron	2,000 or SB	2,000 – 550,000							**7860**	*									1540	*
Lead	400	200 - 500	13.1		143		1.9		13.3		8.3		1.6		1.7		0.86		1.1	
Magnesium	SB	100 – 5,000							395	B									6.5	B
Manganese	SB	50 – 5,000							57.1										9.0	
Nickel	13 or SB	0.5 - 25							5.6										0.32	B
Potassium	SB	8,500 – 43,000							140	BE									53.3	BE
Selenium	2 or SB	0.1 - 3.9	0.49	UN	0.60	U	0.56	U	0.57	U	0.58	U	0.56	U	0.55	U	0.56	U	0.62	U
Silver	SB	N/A	0.14	U	0.40	U	0.37	U	0.38	U	0.39	U	0.37	U	0.37	U	0.37	U	0.41	U
Sodium	SB	6,000 - 8,000							57.9	B									32.5	B
Thallium	SB	N/A							0.53	U									0.58	U
Vanadium	150 or SB	1 - 300							4.5	B									1.8	B
Zinc	20 or SB	9 - 50							**92.1**										2.7	
Chromium, hexavalent									1.1	U									1.2	U
Cyanide									0.53	U									0.58	U

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E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring N-4										Boring N-6							
			0-2		2-4		4-6		8-10		10-12		0-2		2-4		4-6		8-10	
			TOB035		TOB035		TOB035		TOB035		TOB035		TOB004		TOB004		TOB004		TOB004	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.052	UN	0.056	UN	0.051	UN	0.052	UN	0.051	UN	0.073	B	0.054	U	0.053	U	0.052	U
Aluminum	SB	33,000	2950								1530		3950							
Antimony	SB	N/A	0.72	BN							0.59	UN	0.34	UN						
Arsenic	7.5 or SB	3 - 12	2.3		1.1	B	0.31	B	0.75	B	1.1		2.6		3.6		1.1		1.1	
Barium	300 or SB	15 - 600	15.5	B	10	B	4.1	B	10.1	B	8.4	B	16.6	B	84.1		11.6	B	14.6	B
Beryllium	0.16 or SB	0 - 1.75	0.15	B							0.095	B	1.8	U						
Calcium	SB	130 – 35,000	916								988		4810	*						
Cadmium	10	0.1 - 1	1.2		0.11	B	0.066	U	0.068	U	0.11	B	0.77		1.3		0.26	B	0.30	B
Chromium	50	1.5 - 40	38.5	N	6.5	N	2.0	N	5.2	N	23.8	N	20.3	N	14.8	N	8.4	N	15.0	N
Cobalt	30 or SB	2.5 - 60	1.5	B							2.5	B	2.1	B						
Copper	25 or SB	1 - 50	19.0	*							5.6	*	6.0							
Iron	2,000 or SB	2,000 – 550,000	**5870**								**6760**		**7390**							
Lead	400	200 - 500	9.9		3.7		0.99		2.7		2.1		7.0	N*	21.8	N*	1.8	N*	1.2	N*
Magnesium	SB	100 – 5,000	358	B							269	B	839							
Manganese	SB	50 – 5,000	67.6	*							138	*	80.0							
Nickel	13 or SB	0.5 - 25	2.9	B							2.5	B	3.5	B						
Potassium	SB	8,500 – 43,000	170	B							155	B	336	BE						
Selenium	2 or SB	0.1 - 3.9	0.49	U	0.53	U	0.48	U	0.49	U	0.48	U	0.56	U	0.58	U	0.57	U	0.56	U
Silver	SB	N/A	1.5		0.15	U	0.14	U	0.14	U	0.14	U	0.37	U	0.38	U	0.38	U	0.37	U
Sodium	SB	6,000 - 8,000	35.6	B							39.4	B	59.5	B						
Thallium	SB	N/A	0.42	U							0.41	U	0.52	U						
Vanadium	150 or SB	1 - 300	7.0								3.9	B	8.8							
Zinc	20 or SB	9 - 50	**35.7**								9.9		36.4	E						
Chromium, hexavalent			1.8								1	U	1	U						
Cyanide			0.52	U							0.51	U	0.52	U						

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.2 (continued). METAL SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	Boring N-8							
			0-2		2-4		4-6		8-10	
			TOB001		TOB001		TOB001		TOB001	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.056	U	0.056	U	0.051	U	0.052	U
Aluminum	SB	33,000	10600							
Antimony	SB	N/A	0.37	U						
Arsenic	7.5 or SB	3 - 12	**10.0**	*	2.5	*	0.97	B*	0.58	U*
Barium	300 or SB	15 - 600	28.0		27.4		9.1	B	6.6	B
Beryllium	0.16 or SB	0 - 1.75	1.9	U						
Calcium	SB	130 – 35,000	569							
Cadmium	10	0.1 - 1	0.64		0.27	B	0.14	B	0.11	B
Chromium	50	1.5 - 40	17.0	*	12.1	*	2.9	*	4.0	*
Cobalt	30 or SB	2.5 - 60	3.5	B						
Copper	25 or SB	1 - 50	12.8							
Iron	2,000 or SB	2,000 – 550,000	**27900**	*						
Lead	400	200 - 500	3.5		4.0		0.65		0.51	
Magnesium	SB	100 – 5,000	1340							
Manganese	SB	50 – 5,000	164							
Nickel	13 or SB	0.5 - 25	5.9							
Potassium	SB	8,500 – 43,000	499	BE						
Selenium	2 or SB	0.1 - 3.9	0.60	U	0.60	U	0.55	U	0.55	U
Silver	SB	N/A	0.40	U	0.40	U	0.37	U	0.37	U
Sodium	SB	6,000 - 8,000	92.4	B						
Thallium	SB	N/A	0.56	U						
Vanadium	150 or SB	1 - 300	50.6							
Zinc	20 or SB	9 - 50	**26.4**							
Chromium, hexavalent			1.1	U						
Cyanide			0.56	U						

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 4.2.3. VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	A-1	A-2	A-3	A-4	A-5	A-6	A-7	A-8	A-9	A-10
		0-2 ft	0-2 ft	0-2 ft	0-2 ft	0-2 ft	0-2 ft	0-2 ft	0-2 ft	0-2 ft	0-2 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2,2-Tetrachloroethane	600	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1,2 Trichloroethane		11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethane	200	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,1-Dichloroethene	400	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethane	100	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2-Dichloroethene	300	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,2 Dichloropropane		11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-Butanone	300	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-Hexanone		11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
4-Methyl-2-Pentanone	1000	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Acetone	200	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Benzene	60	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromodichloromethane		11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromoform		11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Bromomethane		11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Disulfide	2700	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Tetrachloride	600	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Chlorobenzene	1700	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Chloroethane	1900	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Chloroform	300	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Chloromethane		11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
cis-1,3 Dichloropropene		11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Dibromochloromethane		11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Ethylbenzene	5500	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Methylene chloride	100	8 BJ	5 BJ	5 BJ	18 B	22 B	19 B	20 B	7 BJ	4 BJ	6 BJ
Styrene		11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Tetrachloroethene	1400	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Toluene	1500	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
trans-1,3 Dichloropropene		11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Trichloroethene	700	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Vinyl chloride	200	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Xylenes	1200	11 U	11 U	12 U	11 U	3 J	11 U	2 J	11 U	11 U	11 U
Total	10000	U	U	U	U	U	U	U	U	U	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	A-11	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9
		0-2 ft	8-10 ft	2-4 ft	58-60 ft	2-4 ft	0-2 ft	2-4 ft	0-2 ft	0-2 ft	4-6 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
1,1,2,2-Tetrachloroethane	600	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
1,1,2 Trichloroethane		10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
1,1-Dichloroethane	200	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
1,1-Dichloroethene	400	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
1,2-Dichloroethane	100	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
1,2-Dichloroethene	300	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
1,2 Dichloropropane		10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
2-Butanone	300	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
2-Hexanone		10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
4-Methyl-2-Pentanone	1000	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Acetone	200	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Benzene	60	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Bromodichloromethane		10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Bromoform		10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Bromomethane		10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Carbon Disulfide	2700	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Carbon Tetrachloride	600	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Chlorobenzene	1700	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Chloroethane	1900	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Chloroform	300	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Chloromethane		10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
cis-1,3 Dichloropropene		10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Dibromochloromethane		10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Ethylbenzene	5500	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Methylene chloride	100	33 B	5 BJ	7 BJ	5 BJ	6 BJ	39 B	24 B	6 BJ	47 B	5 BJ
Styrene		10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Tetrachloroethene	1400	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Toluene	1500	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
trans-1,3 Dichloropropene		10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Trichloroethene	700	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	2 J	11 U
Vinyl chloride	200	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Xylenes	1200	10 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	10 U	11 U
Total	10000	U	U	U	U	U	U	U	U	2	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	B-10	B-11	C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8
		0-2 ft	0-2 ft	0-2 ft	2-4 ft	2-4 ft	2-4 ft	2-4 ft	2-4 ft	0-2 ft	0-2 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
1,1,2,2-Tetrachloroethane	600	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
1,1,2 Trichloroethane		10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
1,1-Dichloroethane	200	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
1,1-Dichloroethene	400	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
1,2-Dichloroethane	100	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
1,2-Dichloroethene	300	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
1,2 Dichloropropane		10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
2-Butanone	300	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
2-Hexanone		10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
4-Methyl-2-Pentanone	1000	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Acetone	200	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Benzene	60	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Bromodichloromethane		10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Bromoform		10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Bromomethane		10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Carbon Disulfide	2700	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Carbon Tetrachloride	600	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Chlorobenzene	1700	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Chloroethane	1900	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Chloroform	300	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Chloromethane		10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
cis-1,3 Dichloropropene		10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Dibromochloromethane		10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Ethylbenzene	5500	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Methylene chloride	100	5 BJ	8 BJ	8 BJ	10 BJ	10 BJ	8 BJ	10 BJ	23 B	19 B	45 B
Styrene		10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Tetrachloroethene	1400	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Toluene	1500	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
trans-1,3 Dichloropropene		10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Trichloroethene	700	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Vinyl chloride	200	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Xylenes	1200	10 U	11 U	10 U	11 U	11 U	11 U	11 U	11 U	10 U	11 U
Total	10000	U	U	U	U	U	U	U	U	U	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	C-9	C-10	C-11	C-12	D-1	D-2	D-3	D-4	D-5	D-6
		0-2 ft	0-2 ft	0-2 ft	0-2 ft	4-6 ft	2-4 ft	28-30 ft	2-4 ft	2-4 ft	4-6 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
1,1,2,2-Tetrachloroethane	600	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
1,1,2 Trichloroethane		10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
1,1-Dichloroethane	200	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
1,1-Dichloroethene	400	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
1,2-Dichloroethane	100	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
1,2-Dichloroethene	300	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
1,2 Dichloropropane		10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
2-Butanone	300	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
2-Hexanone		10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
4-Methyl-2-Pentanone	1000	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Acetone	200	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Benzene	60	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Bromodichloromethane		10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Bromoform		10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Bromomethane		10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Carbon Disulfide	2700	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Carbon Tetrachloride	600	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Chlorobenzene	1700	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Chloroethane	1900	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Chloroform	300	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Chloromethane		10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
cis-1,3 Dichloropropene		10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Dibromochloromethane		10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Ethylbenzene	5500	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Methylene chloride	100	55 B	64 B	68 B	41 B	6 BJ	10 B	5 BJ	8 BJ	10 BJ	26 B
Styrene		10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Tetrachloroethene	1400	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Toluene	1500	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
trans-1,3 Dichloropropene		10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Trichloroethene	700	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Vinyl chloride	200	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Xylenes	1200	10 U	11 U	11 U	10 U	10 U	10 U	10 U	11 U	11 U	11 U
Total	10000	U	U	U	U	U	U	U	U	U	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	D-7	D-8	D-9	D-10	D-11	D-12	E-1	E-2	E-3	E-4
		28-30 ft	0-2 ft	48-50 ft	0-2 ft	4-6 ft	2-4 ft	2-4 ft	2-4 ft	4-6 ft	2-4 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
1,1,2,2-Tetrachloroethane	600	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
1,1,2 Trichloroethane		11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
1,1-Dichloroethane	200	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
1,1-Dichloroethene	400	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
1,2-Dichloroethane	100	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
1,2-Dichloroethene	300	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
1,2 Dichloropropane		11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
2-Butanone	300	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
2-Hexanone		11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
4-Methyl-2-Pentanone	1000	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Acetone	200	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Benzene	60	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Bromodichloromethane		11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Bromoform		11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Bromomethane		11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Carbon Disulfide	2700	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Carbon Tetrachloride	600	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Chlorobenzene	1700	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Chloroethane	1900	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Chloroform	300	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Chloromethane		11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
cis-1,3 Dichloropropene		11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Dibromochloromethane		11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Ethylbenzene	5500	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Methylene chloride	100	6 BJ	9 BJ	4 BJ	5 BJ	8 BJ	5 BJ	8 BJ	10 BJ	7 BJ	10 BJ
Styrene		11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Tetrachloroethene	1400	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Toluene	1500	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
trans-1,3 Dichloropropene		11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Trichloroethene	700	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Vinyl chloride	200	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Xylenes	1200	11 U	11 U	10 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U
Total	10000	U	U	U	U	U	U	U	U	U	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	E-5	E-6	E-7	E-8	E-9	E-10	E-11	E-13	F-1	F-2
		2-4 ft	2-4 ft	0-2 ft	8-10 ft	6-8 ft	0-2 ft	2-4 ft	2-4 ft	18-20 ft	2-4 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
1,1,2,2-Tetrachloroethane	600	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
1,1,2 Trichloroethane		11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
1,1-Dichloroethane	200	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
1,1-Dichloroethene	400	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
1,2-Dichloroethane	100	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
1,2-Dichloroethene	300	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
1,2 Dichloropropane		11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
2-Butanone	300	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
2-Hexanone		11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
4-Methyl-2-Pentanone	1000	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Acetone	200	32	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Benzene	60	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Bromodichloromethane		11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Bromoform		11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Bromomethane		11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Carbon Disulfide	2700	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Carbon Tetrachloride	600	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Chlorobenzene	1700	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Chloroethane	1900	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Chloroform	300	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Chloromethane		11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
cis-1,3 Dichloropropene		11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Dibromochloromethane		11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Ethylbenzene	5500	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Methylene chloride	100	7 BJ	17 B	6 BJ	7 BJ	10 B	7 BJ	8 BJ	48 B	7 BJ	8 BJ
Styrene		11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Tetrachloroethene	1400	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Toluene	1500	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
trans-1,3 Dichloropropene		11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Trichloroethene	700	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J
Vinyl chloride	200	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Xylenes	1200	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U
Total	10000	32	U	U	U	U	U	U	U	U	4

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	F-3	F-4	F-5	F-6	F-7	F-8	F-9	F-10	F-11	F-11
		8-10 ft	2-4 ft	2-4 ft	2-4 ft	2-4 ft	0-2 ft	6-8 ft	2-4 ft	4-6 ft	6-8 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	600	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2 Trichloroethane		10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	200	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	400	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	100	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene	300	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2 Dichloropropane		10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	300	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone		10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	1000	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	200	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	60	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane		10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform		10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane		10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	2700	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	600	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	1700	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	1900	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	300	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane		10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3 Dichloropropene		10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane		10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	5500	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	100	8 BJ	5 BJ	8 BJ	5 BJ	10 B	10 B	11 B	9 BJ	5 BJ	9 BJ
Styrene		10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	1400	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	1500	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3 Dichloropropene		10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	700	10 U	11 U	11 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	200	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes	1200	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total	10000	U	U	U	U	3	U	U	U	U	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	F-13	G-1	G-2	G-3	G-4	G-4	G-4	G-5	G-6	G-7
		0-2 ft	4-6 ft	2-4 ft	8-10 ft	2-4 ft	8-10 ft	12-14 ft	2-4 ft	2-4 ft	0-2 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
1,1,2,2-Tetrachloroethane	600	10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
1,1,2 Trichloroethane		10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
1,1-Dichloroethane	200	10 U	10 U	11 U	11 U	20	2 J	11 U	10 U	11 U	11 U
1,1-Dichloroethene	400	10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
1,2-Dichloroethane	100	10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
1,2-Dichloroethene	300	10 U	1 J	11 U	11 U	100	14 U	11 U	10 U	11 U	11 U
1,2 Dichloropropane		10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
2-Butanone	300	10 U	10 U	11 U	11 U	13 U	30	31	10 U	11 U	11 U
2-Hexanone		10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
4-Methyl-2-Pentanone	1000	10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
Acetone	200	10 U	10 U	16	29	13 U	140	98	10 U	11 U	11 U
Benzene	60	10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
Bromodichloromethane		10 U	10 U	11 U	11 U	13 U	14 U	45 J	10 U	11 U	11 U
Bromoform		10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
Bromomethane		10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
Carbon Disulfide	2700	10 U	10 U	11 U	11 U	13 U	6 J	3 J	10 U	11 U	11 U
Carbon Tetrachloride	600	10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
Chlorobenzene	1700	10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
Chloroethane	1900	10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
Chloroform	300	10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
Chloromethane		10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
cis-1,3 Dichloropropene		10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
Dibromochloromethane		10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
Ethylbenzene	5500	10 U	10 U	11 U	11 U	13 U	14 U	51	10 U	11 U	11 U
Methylene chloride	100	8 BJ	7 BJ	8 BJ	11 B	12 BJ	12 BJ	7 BJ	8 BJ	9 BJ	11 B
Styrene		10 U	10 U	11 U	11 U	13 U	14 U	70 J	10 U	11 U	11 U
Tetrachloroethene	1400	10 U	10 U	11 U	11 U	13 U	14 U	11 U	10 U	11 U	11 U
Toluene	1500	10 U	10 U	11 U	11 U	13 U	3 J	11 U	10 U	11 U	11 U
trans-1,3 Dichloropropene		10 U	10 U	11 U	11 U	13 U	14 U	12	10 U	11 U	11 U
Trichloroethene	700	10 U	4 J	11 U	11 U	4 J	14 U	11 U	10 U	5 J	11 U
Vinyl chloride	200	10 U	10 U	11 U	11 U	5 J	14 U	11 U	10 U	11 U	11 U
Xylenes	1200	10 U	10 U	11 U	5 J	13 U	14 U	69	10 U	11 U	11 U
Total	10000	U	5	16	34	129	175	379	U	5	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	G-8	G-9	G-10	G-11	G-14	H-1	H-2	H-3	H-3	H-4
		0-2 ft	8-10 ft	2-4 ft	4-6 ft	2-4 ft	0-2 ft	2-4 ft	2-4 ft	4-6 ft	2-4 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	600	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
1,1,2 Trichloroethane		11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	200	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	400	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	100	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene	300	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
1,2 Dichloropropane		11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
2-Butanone	300	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
2-Hexanone		11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	1000	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Acetone	200	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Benzene	60	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Bromodichloromethane		11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Bromoform		11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Bromomethane		11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Carbon Disulfide	2700	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	600	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Chlorobenzene	1700	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Chloroethane	1900	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Chloroform	300	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Chloromethane		11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
cis-1,3 Dichloropropene		11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Dibromochloromethane		11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Ethylbenzene	5500	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Methylene chloride	100	10 BJ	9 BJ	10 BJ	7 BJ	5 BJ	5 BJ	5 BJ	9 BJ	10 U	5 BJ
Styrene		11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Tetrachloroethene	1400	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Toluene	1500	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
trans-1,3 Dichloropropene		11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Trichloroethene	700	11 U	10 U	11 U	10 U	10 U	3 J	10 U	10 U	10 U	9 J
Vinyl chloride	200	11 U	10 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U	10 U
Xylenes	1200	11 U	10 U	11 U	10 U	10 U	5 J	10 U	10 U	10 U	10 U
Total	10000	U	U	U	U	U	8	U	U	U	9

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	H-5		H-6		H-7		H-7		H-8		H-9		H-10		H-12		H-13		H-14	
		2-4 ft		2-4 ft		0-2 ft		48-50 ft		0-2 ft		18-20 ft		4-6 ft		2-4 ft		58-60 ft		6-8 ft	
	(µg/kg)	(µg/kg)		(µg/kg)		(µg/kg)		(µg/kg)		(µg/kg)		(µg/kg)		(µg/kg)		(µg/kg)		(µg/kg)		(µg/kg)	
1,1,1 Trichloroethane	800	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
1,1,2,2-Tetrachloroethane	600	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
1,1,2 Trichloroethane		10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
1,1-Dichloroethane	200	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
1,1-Dichloroethene	400	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
1,2-Dichloroethane	100	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
1,2-Dichloroethene	300	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
1,2 Dichloropropane		10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
2-Butanone	300	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
2-Hexanone		10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
4-Methyl-2-Pentanone	1000	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Acetone	200	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Benzene	60	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Bromodichloromethane		10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Bromoform		10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Bromomethane		10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Carbon Disulfide	2700	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Carbon Tetrachloride	600	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Chlorobenzene	1700	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Chloroethane	1900	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Chloroform	300	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Chloromethane		10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
cis-1,3 Dichloropropene		10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Dibromochloromethane		10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Ethylbenzene	5500	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Methylene chloride	100	8	BJ	8	BJ	6	BJ	7	BJ	6	BJ	6	BJ	7	BJ	5	BJ	9	BJ	6	BJ
Styrene		10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Tetrachloroethene	1400	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Toluene	1500	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
trans-1,3 Dichloropropene		10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Trichloroethene	700	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Vinyl chloride	200	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Xylenes	1200	10	U	10	U	10	U	12	U	10	U	10	U	10	U	10	U	12	U	10	U
Total	10000		U		U		U		U		U		U		U		U		U		U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	I-1	I-1	I-2	I-3	I-4	I-5	I-6	I-7	I-8	I-9
		4-6 ft	18-20 ft	2-4 ft	2-4 ft	2-4 ft	2-4 ft	2-4 ft	6-8 ft	0-2 ft	6-8 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	600	11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
1,1,2 Trichloroethane		11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
1,1-Dichloroethane	200	84	34	3 J	11 U	10 U	10 U	11 U	10 U	10 U	10 U
1,1-Dichloroethene	400	11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
1,2-Dichloroethane	100	11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
1,2-Dichloroethene	300	11 U	12	160 D	11 U	10 U	10 U	11 U	10 U	3 J	10 U
1,2 Dichloropropane		11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
2-Butanone	300	36	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
2-Hexanone		11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	1000	11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Acetone	200	110	44	49	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Benzene	60	2 J	1 J	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Bromodichloromethane		11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Bromoform		11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Bromomethane		11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Carbon Disulfide	2700	28	3 J	11 U	11 U	10 U	10 U	11 U	10 U	2 J	10 U
Carbon Tetrachloride	600	11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Chlorobenzene	1700	11 U	60	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Chloroethane	1900	11 U	35	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Chloroform	300	11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Chloromethane		11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
cis-1,3 Dichloropropene		11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Dibromochloromethane		11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Ethylbenzene	5500	1400 D	130	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Methylene chloride	100	8 BJ	7 BJ	8 BJ	10 BJ	5 BJ	9 BJ	8 BJ	6 BJ	7 BJ	6 BJ
Styrene		11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Tetrachloroethene	1400	11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Toluene	1500	940 D	130	7 J	11 U	10 U	10 U	11 U	10 U	10 U	10 U
trans-1,3 Dichloropropene		11 U	12 U	11 U	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Trichloroethene	700	11 U	7 J	25	3 J	10 U	10 U	11 U	10 U	2 J	10 U
Vinyl chloride	200	11 U	15	5 J	11 U	10 U	10 U	11 U	10 U	10 U	10 U
Xylenes	1200	3300 D	340	9 J	11 U	10 U	10 U	11 U		3 J	10 U
Total	10000	5900	811	258	3	U	U	U	U	10	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	I-10	I-10	I-11	I-12	J-1	J-2	J-3	J-4	J-5	J-6
		2-4 ft	4-6 ft	6-8 ft	6-8 ft	48-50 ft	8-10 ft	58-60 ft	0-2 ft	8-10 ft	2-4 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	11 U	11 U	10 U	10 U	4 J	56 U	11 U	11 U	10 U	12 U
1,1,2,2-Tetrachloroethane	600	11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
1,1,2 Trichloroethane		11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
1,1-Dichloroethane	200	11 U	11 U	10 U	10 U	10 J	56 U	11 U	11 U	10 U	12 U
1,1-Dichloroethene	400	11 U	11 U	10 U	10 U	3 J	56 U	11 U	11 U	10 U	12 U
1,2-Dichloroethane	100	11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
1,2-Dichloroethene	300	1 J	11 U	10 U	10 U	**760** DJ	10 J	11 U	11 U	10 U	4 J
1,2 Dichloropropane		11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
2-Butanone	300	11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
2-Hexanone		11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
4-Methyl-2-Pentanone	1000	11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
Acetone	200	11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
Benzene	60	11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
Bromodichloromethane		11 U	11 U	10 U	10 U	12 U	170 J	11 U	11 U	10 U	12 U
Bromoform		11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
Bromomethane		11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
Carbon Disulfide	2700	11 U	7 J	10 U	10 U	12 U	56 U	7 U	11 U	10 U	12 U
Carbon Tetrachloride	600	11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
Chlorobenzene	1700	11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
Chloroethane	1900	11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
Chloroform	300	11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
Chloromethane		11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
cis-1,3 Dichloropropene		11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
Dibromochloromethane		11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
Ethylbenzene	5500	11 U	3 J	10 U	10 U	3 J	14 J	3 U	11 U	10 U	12 U
Methylene chloride	100	7 BJ	10 BJ	7 BJ	6 BJ	11 BJ	37 BJ	10 BJ	9 BJ	25 B	10 BJ
Styrene		11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
Tetrachloroethene	1400	11 U	11 U	10 U	10 U	20	56 U	11 U	11 U	10 U	12 U
Toluene	1500	11 U	11 U	10 U	10 U	130	13 J	11 U	11 U	10 U	12 U
trans-1,3 Dichloropropene		11 U	11 U	10 U	10 U	12 U	56 U	11 U	11 U	10 U	12 U
Trichloroethene	700	11 U	11 U	10 U	10 U	**17000** D	56 U	11 U	11 U	10 U	4 J
Vinyl chloride	200	11 U	11 U	10 U	10 U	7 J	56 U	11 U	11 U	10 U	12 U
Xylenes	1200	11 U	18	10 U	10 U	24	82	18 U	11 U	10 U	12 U
Total	10000	1	10	U	U	**17972**	207	U	U	U	8

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	J-7	J-8	J-9	J-10	K-4	K-5	K-6	K-5	K-6	K-7
		0-2 ft	0-2 ft	6-8 ft	0-2 ft	8-10 ft	4-6 ft	2-4 ft	8-10 ft	6-8 ft	6-8 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
1,1,2,2-Tetrachloroethane	600	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
1,1,2 Trichloroethane		11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
1,1-Dichloroethane	200	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
1,1-Dichloroethene	400	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
1,2-Dichloroethane	100	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
1,2-Dichloroethene	300	11 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
1,2 Dichloropropane		11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
2-Butanone	300	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
2-Hexanone		11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
4-Methyl-2-Pentanone	1000	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Acetone	200	11 U	27	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Benzene	60	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Bromodichloromethane		11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Bromoform		11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Bromomethane		11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Carbon Disulfide	2700	11 U	4 J	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Carbon Tetrachloride	600	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Chlorobenzene	1700	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Chloroethane	1900	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Chloroform	300	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Chloromethane		11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
cis-1,3 Dichloropropene		11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Dibromochloromethane		11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Ethylbenzene	5500	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Methylene chloride	100	8 BJ	12 B	7 BJ	4 BJ	5 BJ	5 BJ	8 BJ	4 BJ	8 BJ	6 BJ
Styrene		11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Tetrachloroethene	1400	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Toluene	1500	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
trans-1,3 Dichloropropene		11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Trichloroethene	700	11 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Vinyl chloride	200	11 U	11 U	10 U	10 U	10 U	10 U	10 U	10 U	11 U	10 U
Xylenes	1200	11 U	11 U	10 U	10 U	10 U	6 J	3 J	10 U	11 U	10 U
Total	10000	U	34	U	U	U	6	3	U	4	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	K-8	K-9	L-4	L-5	L-6	L-7	L-8	K-6	L-9	M-4
		8-12 ft	6-8 ft	0-2 ft	18-20 ft	0-2 ft	0-2 ft	0-2 ft	8-10 ft	0-2 ft	0-2 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
1,1,2,2-Tetrachloroethane	600	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
1,1,2 Trichloroethane		11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
1,1-Dichloroethane	200	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
1,1-Dichloroethene	400	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
1,2-Dichloroethane	100	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
1,2-Dichloroethene	300	11 U	1 J	10 U	11 U	10 U	11 U	10 U	3 J	11 U	10 U
1,2 Dichloropropane		11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
2-Butanone	300	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
2-Hexanone		11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
4-Methyl-2-Pentanone	1000	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Acetone	200	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Benzene	60	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Bromodichloromethane		11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Bromoform		11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Bromomethane		11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Carbon Disulfide	2700	11 U	11 U	10 U	11 U	10 U	11 U	10 U	2 J	11 U	10 U
Carbon Tetrachloride	600	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Chlorobenzene	1700	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Chloroethane	1900	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Chloroform	300	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Chloromethane		11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
cis-1,3 Dichloropropene		11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Dibromochloromethane		11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Ethylbenzene	5500	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Methylene chloride	100	7 BJ	8 BJ	8 BJ	9 BJ	9 BJ	5 BJ	9 BJ	9 BJ	7 BJ	8 BJ
Styrene		11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Tetrachloroethene	1400	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Toluene	1500	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
trans-1,3 Dichloropropene		11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Trichloroethene	700	11 U	9 J	2 J	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Vinyl chloride	200	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Xylenes	1200	11 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U	11 U	10 U
Total	10000	U	10	2	U	U	U	U	5	U	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	M-5	M-6	M-7	M-8	M-9	N-4	N-4	N-5	N-6	N-7
		0-2 ft	0-2 ft	0-2	0-2	4-6 ft	0-2 ft	10-12 ft	0-2 ft	0-2 ft	0-2 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,1,1 Trichloroethane	800	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
1,1,2,2-Tetrachloroethane	600	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
1,1,2 Trichloroethane		10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
1,1-Dichloroethane	200	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
1,1-Dichloroethene	400	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
1,2-Dichloroethane	100	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
1,2-Dichloroethene	300	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	3 J	11 U
1,2 Dichloropropane		10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
2-Butanone	300	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
2-Hexanone		10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
4-Methyl-2-Pentanone	1000	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Acetone	200	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Benzene	60	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Bromodichloromethane		10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Bromoform		10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Bromomethane		10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Carbon Disulfide	2700	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Carbon Tetrachloride	600	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Chlorobenzene	1700	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Chloroethane	1900	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Chloroform	300	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Chloromethane		10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
cis-1,3 Dichloropropene		10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Dibromochloromethane		10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Ethylbenzene	5500	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Methylene chloride	100	9 BJ	9 BJ	8 BJ	7 BJ	6 BJ	6 BJ	5 BJ	6 BJ	9 BJ	8 BJ
Styrene		10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Tetrachloroethene	1400	10 U	11 U	7 J	4 J	5 J	10 U	10 U	10 U	10 U	11 U
Toluene	1500	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
trans-1,3 Dichloropropene		10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Trichloroethene	700	10 U	11 U	2 J	11 U	10 U	2 J	6 J	4 J	8 J	11 U
Vinyl chloride	200	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Xylenes	1200	10 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
Total	10000	U	U	9	4	5	2	6	4	11	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.3 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	N-8		N-9		N-9	
		0-2 ft		10-12 ft		58-60 ft	
	(µg/kg)	(µg/kg)		(µg/kg)		(µg/kg)	
1,1,1 Trichloroethane	800	11	U	11	U	12	U
1,1,2,2-Tetrachloroethane	600	11	U	11	U	12	U
1,1,2 Trichloroethane		11	U	11	U	12	U
1,1-Dichloroethane	200	11	U	11	U	12	U
1,1-Dichloroethene	400	11	U	11	U	12	U
1,2-Dichloroethane	100	11	U	11	U	12	U
1,2-Dichloroethene	300	11	U	3	J	12	U
1,2 Dichloropropane		11	U	11	U	12	U
2-Butanone	300	11	U	11	U	12	U
2-Hexanone		11	U	11	U	12	U
4-Methyl-2-Pentanone	1000	11	U	11	U	12	U
Acetone	200	11	U	11	U	12	U
Benzene	60	11	U	11	U	12	U
Bromodichloromethane		11	U	11	U	12	U
Bromoform		11	U	11	U	12	U
Bromomethane		11	U	11	U	12	U
Carbon Disulfide	2700	11	U	1	J	12	U
Carbon Tetrachloride	600	11	U	11	U	12	U
Chlorobenzene	1700	11	U	11	U	12	U
Chloroethane	1900	11	U	11	U	12	U
Chloroform	300	11	U	11	U	12	U
Chloromethane		11	U	11	U	12	U
cis-1,3 Dichloropropene		11	U	11	U	12	U
Dibromochloromethane		11	U	11	U	12	U
Ethylbenzene	5500	11	U	11	U	12	U
Methylene chloride	100	7	BJ	10	BJ	10	BJ
Styrene		11	U	11	U	12	U
Tetrachloroethene	1400	6	J	3	J	12	U
Toluene	1500	11	U	5	J	12	U
trans-1,3 Dichloropropene		11	U	11	U	12	U
Trichloroethene	700	11	U	26		12	U
Vinyl chloride	200	11	U	11	U	12	U
Xylenes	1200	11	U	11	U	12	U
Total	10000	6		38			U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
B – Analyte found in associated blank as well as sample and may indicate blank contamination.
D – Analyte detected in an analysis at a secondary dilution factor.
J – Estimated value.
U – Parameter was analyzed but was not detected.

TABLE 4.2.4. SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	A-1	A-2	A-3	A-4	A-5	A-6
		0-2 ft	0-2 ft	0-2 ft	0-2 ft	0-2 ft	0-2 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	U	U	U
Benzo(a)anthracene	224 or MDL	U	140 J	120 J	U	160 J	U
Benzo(a)pyrene	61 or MDL	U	130 J	110 J	U	180 J	U
Benzo(b)fluoranthene	1100	U	200 J	140 J	U	310 J	U
Benzo(g,h,i)perylene	50000	U	U	U	U	U	U
Benzo(k)fluoranthene	1100	U	99 J	U	U	100 J	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		300 J	650	110 J	83 J	170 J	U
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	400	U	160 J	120 J	83 J	220 J	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	110 J	300 J	220 J	140 J	410	U
Fluorene	50000	U	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	U	U	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	130 J	94 J	U	190 J	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	100 J	280 J	220 J	120 J	360 J	U
Total	500000	510	2089	1134	426	2100	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	A-7	A-8	A-9	A-10	A-11	B-1
		0-2 ft	0-2 ft	0-2 ft	0-2 ft	0-2 ft	8-10 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	100 J	U	U	U
Anthracene	50000	U	U	110 J	U	U	U
Benzo(a)anthracene	224 or MDL	**300** J	U	**660**	U	U	U
Benzo(a)pyrene	61 or MDL	**270** J	U	**630**	U	U	U
Benzo(b)fluoranthene	1100	330 J	U	840	U	U	U
Benzo(g,h,i)perylene	50000	85 J	U	220 J	U	U	U
Benzo(k)fluoranthene	1100	140 J	U	450	U	U	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		U	U	110 J	U	U	140 J
Butyl benzyl phthlate	50000	U	U	U	U	81 J	U
Carbazole		U	U	84 J	U	U	U
Chrysene	400	300 J	U	**740**	U	72 J	U
Dibenz(a,h)anthracene	14 or MDL	U	U	83 J	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	710	90 J	1400	U	120 J	U
Fluorene	50000	U	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	94 J	U	250 J	U	U	U
Isophorone	4400	U	U	U	U	U	2100
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	240 J	U	600	U	U	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	680	87 J	1400	U	110 J	U
Total	500000	3149	177	7677	U	383	2240

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	B-2	B-3	B-4	B-5	B-6	B-7
		2-4 ft	58-60 ft	2-4 ft	0-2 ft	2-4 ft	0-2 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	U	U	U
Benzo(a)anthracene	224 or MDL	U	U	U	72 J	U	U
Benzo(a)pyrene	61 or MDL	U	U	U	U	U	U
Benzo(b)fluoranthene	1100	U	U	U	U	U	U
Benzo(g,h,i)perylene	50000	U	U	U	U	U	U
Benzo(k)fluoranthene	1100	U	U	U	U	U	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		U	U	U	98 J	U	77 J
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	400	U	U	U	77 J	U	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	U	U	U	140 J	U	110 J
Fluorene	50000	U	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	U	U	U
Isophorone	4400	U	U	U	120 J	U	U
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	U	U	79 J	U	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	U	U	U	130 J	U	95 J
Total	500000	U	U	U	716	U	282

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	B-8	B-9	B-10	C-1	C-2	C-3
		0-2 ft	4-6 ft	0-2 ft	0-2 ft	2-4 ft	2-4 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	U	U	U
Benzo(a)anthracene	224 or MDL	U	U	U	160 J	U	U
Benzo(a)pyrene	61 or MDL	U	U	U	190 J	U	U
Benzo(b)fluoranthene	1100	U	U	U	190 J	U	U
Benzo(g,h,i)perylene	50000	U	U	U	160 J	U	U
Benzo(k)fluoranthene	1100	U	U	U	210 J	U	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		U	160 J	U	280 J	U	92 J
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	400	U	U	U	190 J	U	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	U	U	110 J	360	U	U
Fluorene	50000	U	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	160 J	U	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	U	U	140 J	U	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	U	U	87 J	290 J	U	U
Total	500000	U	160	197	2330	U	92

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	C-4	C-5	C-6	C-7	C-8	C-9
		2-4 ft	2-4 ft	2-4 ft	0-2 ft	0-2 ft	0-2 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	U	190 J	U
Benzo(a)anthracene	224 or MDL	U	U	150 J	300 J	720	U
Benzo(a)pyrene	61 or MDL	U	U	130 J	230 J	450	U
Benzo(b)fluoranthene	1100	U	110 J	190 J	370	730	U
Benzo(g,h,i)perylene	50000	U	U	U	69 J	160 J	U
Benzo(k)fluoranthene	1100	U	U	U	110 J	240 J	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		100 J	180 J	U	87 J	120 J	U
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	400	76 J	83 J	150 J	330 J	730	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	79 J	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	110 J	120 J	300 J	590	1500	U
Fluorene	50000	U	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	80 J	190 J	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	U	200 J	220 J	1000	U
Phenol	30 or MDL	U	U	U	U	370 U	U
Pyrene	50000	110 J	110 J	270 J	550	1100	U
Total	500000	396	603	1390	2936	7579	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	C-10	C-11	C-12	D-1	D-2	D-3
		0-2 ft	0-2 ft	0-2 ft	4-6 ft	2-4 ft	28-30 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	U	97 J	U
Benzo(a)anthracene	224 or MDL	U	U	U	U	**540**	U
Benzo(a)pyrene	61 or MDL	U	U	U	U	**580**	U
Benzo(b)fluoranthene	1100	U	U	U	U	830	U
Benzo(g,h,i)perylene	50000	U	U	U	U	200 J	U
Benzo(k)fluoranthene	1100	U	U	U	U	300 J	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		U	U	U	U	92 J	U
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	71 J	U
Chrysene	400	U	U	U	U	**570**	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	80 J	110 J	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	U	U	U	U	1000	U
Fluorene	50000	U	U	110 J	U	U	U
Hexachlorobenzene	410	U	U	280 J	U	U	U
Hexachlorobutadiene		U	U	270 J	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	130 J	U	220 J	U
Isophorone	4400	U	U	190 J	U	U	U
Naphthalene	13000	U	U	190 J	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	280 J	U	U	U
N-Nitrosodiphenylamine		U	U	110 J	U	U	U
Pentachlorophenol	1000 or MDL	U	U	190 J	U	U	U
Phenanthrene	50000	U	U	100 J	U	480	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	U	U	110 J	U	940	U
Total	500000	U	80	2070	U	5920	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	D-4	D-5	D-6	D-7	D-8	D-9
		2-4 ft	2-4 ft	2-4 ft	28-30 ft	0-2 ft	48-50 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	J	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	470	U	U	U	U	U
Benzo(a)anthracene	224 or MDL	**960**	100 J	150 J	U	83 J	U
Benzo(a)pyrene	61 or MDL	**710**	**91** J	**140** J	U	**80** J	U
Benzo(b)fluoranthene	1100	840	140 J	200 J	U	120 J	U
Benzo(g,h,i)perylene	50000	250 J	U	U	U	U	U
Benzo(k)fluoranthene	1100	320 J	U	U	U	U	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		U	87 J	U	180 J	190 J	U
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		250 J	U	U	U	U	U
Chrysene	400	**780**	98 J	140 J	U	88 J	U
Dibenz(a,h)anthracene	14 or MDL	**95** J	U	U	U	U	U
Dibenzofuran	6200	150 J	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	2000	200 J	210 J	U	160 J	U
Fluorene	50000	240 J	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	290 J	U	U	U	U	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	130 J	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	1900	120 J	U	U	U	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	1700	180 J	220 J	U	140 J	U
Total	500000	11085	1016	1060	180	861	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	D-10	D-11	D-12	E-1	E-2	E-3
		0-2 ft	4-6 ft	2-4 ft	2-4 ft	2-4 ft	4-6 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	U	76 J	U
Benzo(a)anthracene	224 or MDL	U	U	U	U	**240** J	86 J
Benzo(a)pyrene	61 or MDL	U	U	U	U	**200** J	**81** J
Benzo(b)fluoranthene	1100	U	U	U	U	280 J	120 J
Benzo(g,h,i)perylene	50000	U	U	U	U	U	U
Benzo(k)fluoranthene	1100	U	U	U	U	120 J	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		120 J	U	U	U	U	U
Butyl benzyl phthlate	50000	U	U	U	U	78 J	U
Carbazole		U	U	U	U	U	U
Chrysene	400	U	U	U	U	230 J	97 J
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	85 J	U	U	U	450	160 J
Fluorene	50000	U	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	U	U	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	U	U	U	300 J	100 J
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	U	U	U	U	430	150 J
Total	500000	205	U	U	U	2404	794

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	E-4	E-5	E-6	E-7	E-8	E-9
		2-4 ft	2-4 ft	2-4 ft	0-2 ft	8-10 ft	6-8 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	92 J	U	U	U	U
Benzo(a)anthracene	224 or MDL	**330** J	**230** J	U	U	U	U
Benzo(a)pyrene	61 or MDL	**370**	**190** J	U	U	U	U
Benzo(b)fluoranthene	1100	470	250 J	U	U	U	U
Benzo(g,h,i)perylene	50000	170 J	U	U	U	U	U
Benzo(k)fluoranthene	1100	200 J	100 J	U	U	U	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		U	110 J	U	440	U	U
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	400	370	210 J	U	U	U	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	470	450	U	U	U	U
Fluorene	50000	U	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	170 J	75 J	U	U	U	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	190 J	380	U	U	U	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	450	390	U	U	U	U
Total	500000	3190	2477	U	440	U	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	E-10	E-11	E-13	F-1	F-2	F-3
		0-2 ft	2-4 ft	2-4 ft	18-20 ft	2-4 ft	8-10 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	U	U	U
Benzo(a)anthracene	224 or MDL	U	U	U	U	240 J	U
Benzo(a)pyrene	61 or MDL	U	U	U	U	210 J	U
Benzo(b)fluoranthene	1100	U	U	U	U	230 J	U
Benzo(g,h,i)perylene	50000	U	U	U	U	140 J	U
Benzo(k)fluoranthene	1100	U	U	U	U	220 J	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		72 J	U	83 J	140 J	91 J	U
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	400	U	U	U	U	260 J	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	110 J	U	U	U	500	U
Fluorene	50000	U	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	U	150 J	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	U	U	U	310 J	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	110 J	U	U	U	420	U
Total	500000	292	U	83	140	2771	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	F-4	F-5	F-6	F-7	F-8	F-9
		2-4 ft	2-4 ft	2-4 ft	2-4 ft	0-2	6-8 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	U	U	U
Benzo(a)anthracene	224 or MDL	U	U	U	U	U	U
Benzo(a)pyrene	61 or MDL	U	U	U	U	U	U
Benzo(b)fluoranthene	1100	U	U	U	U	U	U
Benzo(g,h,i)perylene	50000	U	U	U	U	U	U
Benzo(k)fluoranthene	1100	U	U	U	U	U	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		U	U	U	U	U	U
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	400	U	U	U	72 J	U	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	73 J	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	U	U	U	U	U	U
Fluorene	50000	U	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	U	U	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	U	U	U	U	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	U	U	U	78 J	U	U
Total	500000	U	U	U	223	U	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	F-10	F-11	F-11	F-13	G-1	G-2
		2-4 ft	4-6 ft	6-8 ft	0-2 ft	4-6 ft	2-4 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	U	U	U
Benzo(a)anthracene	224 or MDL	U	U	U	U	100 J	95 J
Benzo(a)pyrene	61 or MDL	U	U	U	U	100 J	80 J
Benzo(b)fluoranthene	1100	U	U	U	U	120 J	U
Benzo(g,h,i)perylene	50000	U	U	U	U	79 J	U
Benzo(k)fluoranthene	1100	U	U	U	U	110 J	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		U	U	100 J	U	93 J	460
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	400	U	U	U	U	120 J	110 J
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	89 J	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	170 J	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	U	U	U	U	190 J	210 J
Fluorene	50000	U	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	U	77 J	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	U	U	U	96 J	130 J
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	U	U	U	U	170 J	170 J
Total	500000	U	U	359	U	1255	1255

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	G-3	G-4	G-4	G-5	G-6	G-7
		8-10 ft	2-4 ft	8-10 ft	2-4 ft	2-4 ft	0-2
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	330 J	440	500	U	350 J	U
2-Methylphenol	100 or MDL	U	U	**110** J	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	**2100**	U	90 J	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	650	U	2300	U
Acenaphthylene	41000	U	U	U	U	850	U
Anthracene	50000	U	U	530	U	15000 D	U
Benzo(a)anthracene	224 or MDL	U	U	**790**	U	**62000** D	U
Benzo(a)pyrene	61 or MDL	U	U	**1300**	U	**43000** D	U
Benzo(b)fluoranthene	1100	U	U	**1100**	U	**50000** D	U
Benzo(g,h,i)perylene	50000	U	U	770	U	24000 D	U
Benzo(k)fluoranthene	1100	U	U	**1200**	U	**34000** D	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		1200	95 J	85000 D	U	320 J	U
Butyl benzyl phthlate	50000	U	U	U	U	380 U	U
Carbazole		U	U	260 J	U	8000 D	U
Chrysene	400	U	93 J	**2300**	U	**57000** D	U
Dibenz(a,h)anthracene	14 or MDL	U	U	**430** J	U	**14000** D	U
Dibenzofuran	6200	U	110 J	740	U	1900	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	U	210 J	3700	U	**120000** D	U
Fluorene	50000	U	U	1100	U	4700	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	930	U	**27000** D	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	98 J	260 J	720	U	420	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	130 J	440	4800	U	**60000** D	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	U	220 J	4200	U	**110000** D	U
Total	500000	1758	1868	112620	U	**635310**	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	G-8	G-9	G-10	G-11	G-14
		0-2 ft	8-10 ft	2-4 ft	4-6 ft	2-4 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U
4-Methylphenol	900	U	U	83 J	U	U
4-Nitroaniline		U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U
Anthracene	50000	U	U	U	U	U
Benzo(a)anthracene	224 or MDL	U	U	U	U	U
Benzo(a)pyrene	61 or MDL	U	U	U	U	U
Benzo(b)fluoranthene	1100	U	U	U	U	U
Benzo(g,h,i)perylene	50000	U	U	U	U	U
Benzo(k)fluoranthene	1100	U	U	U	U	U
bis(2-Chloroethoxy)methane		U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U
bis(2-ethylhexyl)phthalate		94 J	U	76 J	U	120 J
Butyl benzyl phthlate	50000	U	U	U	U	U
Carbazole		U	U	U	U	U
Chrysene	400	U	U	U	U	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U
Fluoranthene	50000	U	U	U	U	U
Fluorene	50000	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U
Hexachloroethane		U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	U	U
Isophorone	4400	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U
Phenanthrene	50000	U	U	U	U	U
Phenol	30 or MDL	U	U	U	U	U
Pyrene	50000	U	U	U	U	U
Total	500000	94	U	159	U	120

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	H-1	H-2	H-3	H-3	H-4	H-5
		0-2 ft	2-4 ft	2-4 ft	4-6 ft	2-4 ft	2-4 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	97 J	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	150 J	U	U	U	U	U
Benzo(a)anthracene	224 or MDL	**650**	U	U	U	U	U
Benzo(a)pyrene	61 or MDL	**620**	U	U	U	U	U
Benzo(b)fluoranthene	1100	630	U	U	U	U	U
Benzo(g,h,i)perylene	50000	440	U	U	U	U	U
Benzo(k)fluoranthene	1100	660	U	U	U	U	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		230 J	U	110 J	71 J	150 J	U
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		140 J	U	U	U	U	U
Chrysene	400	**790**	U	U	U	U	U
Dibenz(a,h)anthracene	14 or MDL	200 J	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	1400	U	U	U	U	U
Fluorene	50000	71 J	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	430	U	U	U	U	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	850	U	U	U	U	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	1200	U	U	U	U	U
Total	500000	8558	U	110	71	150	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	H-6	H-7	H-7	H-8	H-9	H-10
		2-4 ft	0-2 ft	48-50 ft	0-2 ft	18-20 ft	4-6 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	U	U	U
Benzo(a)anthracene	224 or MDL	U	U	U	U	U	U
Benzo(a)pyrene	61 or MDL	U	U	U	U	U	U
Benzo(b)fluoranthene	1100	U	U	U	U	U	U
Benzo(g,h,i)perylene	50000	U	U	U	U	U	U
Benzo(k)fluoranthene	1100	U	U	U	U	U	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		U	U	81 J	U	U	71 J
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	400	U	U	U	U	U	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	91 J	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	U	U	U	U	U	70 J
Fluorene	50000	U	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	U	U	U
Isophorone	4400	U	U	U	U	U	93 J
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	U	U	U	U	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	U	U	U	U	U	U
Total	500000	U	U	81	91	U	234

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	H-12	H-13	H-14	I-1	I-1	I-2
		2-4 ft	58-60 ft	6-8 ft	4-6 ft	18-20 ft	2-4 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	1900	3900	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	490	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	970	710	430
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	1500	280 J	390
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	110 J	U	140 J
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	94 J	U	110 J
Benzo(a)anthracene	224 or MDL	U	U	U	380	190 J	U
Benzo(a)pyrene	61 or MDL	U	U	U	290 J	170 J	460
Benzo(b)fluoranthene	1100	U	U	U	550	350 J	880
Benzo(g,h,i)perylene	50000	U	U	U	290 J	160 J	510
Benzo(k)fluoranthene	1100	U	U	U	470	290 J	590
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		U	U	U	1900	14000 D	1500
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	83 J	U	U
Chrysene	400	U	U	U	610	390 J	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	170 J	88 J	250 J
Dibenzofuran	6200	U	U	U	120 J	U	100 J
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	U	U	U	850	380 J	990
Fluorene	50000	U	U	U	190 J	150 J	170 J
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	320 J	150 J	520
Isophorone	4400	U	U	U	U	400 U	U
Naphthalene	13000	U	U	U	470	300 J	300 J
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	U	U	1000	650	820
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	U	U	U	830	470	1100
Total	500000	U	U	U	13587	23028	9260

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	I-3	I-4	I-5	I-6	I-7	I-8
		2-4 ft	2-4 ft	2-4 ft	2-4 ft	6-8 ft	0-2 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	120 J
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	500
Acenaphthylene	41000	U	U	U	U	U	70 J
Anthracene	50000	U	U	U	U	U	540
Benzo(a)anthracene	224 or MDL	U	U	U	U	U	**1600**
Benzo(a)pyrene	61 or MDL	U	U	U	U	U	**1400**
Benzo(b)fluoranthene	1100	U	U	U	U	U	**1500**
Benzo(g,h,i)perylene	50000	U	U	U	U	U	150 J
Benzo(k)fluoranthene	1100	U	U	U	U	U	**1600**
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		88 J	U	U	U	U	920
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	460
Chrysene	400	U	U	U	U	U	**1800**
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	190 J
Dibenzofuran	6200	U	U	U	U	U	400
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	98 J
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	U	U	U	U	U	3300
Fluorene	50000	U	U	U	U	U	790
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	U	U	420
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U	270 J
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	U	U	U	U	2700
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	U	U	U	U	U	2500
Total	500000	88	U	U	U	U	21328

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	I-9	I-10	I-10	I-11	I-12	J-1
		6-8 ft	2-4 ft	4-6 ft	6-8 ft	6-8 ft	48-50 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	460	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	U	U	U
Benzo(a)anthracene	224 or MDL	U	U	U	U	U	U
Benzo(a)pyrene	61 or MDL	U	U	U	U	U	U
Benzo(b)fluoranthene	1100	U	U	U	U	U	U
Benzo(g,h,i)perylene	50000	U	U	U	U	U	U
Benzo(k)fluoranthene	1100	U	U	U	U	U	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		U	110 J	2700	U	91 J	U
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	400	U	U	U	U	U	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	U	U	80 J	U	U	U
Fluorene	50000	U	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	U	U	U
Isophorone	4400	300 J	U	U	190 J	U	U
Naphthalene	13000	U	U	98 J	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	U	99 J	U	U	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	U	U	100 J	U	U	U
Total	500000	300	110	3537	190	91	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	J-2	J-3	I-10	J-4	J-5	J-6
		8-10 ft	58-60 ft	6-8 ft	0-2 ft	8-10 ft	2-4 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	290 J	U	340 J	160 J	U	130 J
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	110 J	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	240 J	U	U	150 J	U	130 J
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	310 J	U	U	320 J	U	360 J
Benzo(a)anthracene	224 or MDL	**920**	U	U	**1200**	U	**2700**
Benzo(a)pyrene	61 or MDL	**630**	U	U	**1300**	U	**3100**
Benzo(b)fluoranthene	1100	760	U	U	**1400**	U	**3000**
Benzo(g,h,i)perylene	50000	480	U	U	610	U	2500
Benzo(k)fluoranthene	1100	690	U	U	**1100**	U	**2600**
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		300 J	U	3600	340 J	U	290 J
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		160 J	U	U	140 J	U	150 J
Chrysene	400	**960**	U	U	**1400**	U	**2800**
Dibenz(a,h)anthracene	14 or MDL	**270** J	U	U	**300** J	U	**900**
Dibenzofuran	6200	130 J	U	U	140 J	U	180 J
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	96 J
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	1600	U	160 J	1900	U	3000
Fluorene	50000	240 J	U	U	180 J	U	140 J
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	560	U	U	750	U	2600
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	250 J	U	100 J	330 J	U	390 J
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	1500	U	210 J	1400	U	1400
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	1600	U	130 J	1900	U	3400
Total	500000	12000	U	4540	15020	U	29866

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	J-7	J-8	J-9	J-10	K-4	K-5
		0-2 ft	0-2 ft	6-8 ft	0-2 ft	8-10 ft	4-6 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	160 J
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	140 J	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	390	U	U	U	U
Benzo(a)anthracene	224 or MDL	110 J	**710**	U	U	U	110 J
Benzo(a)pyrene	61 or MDL	**110** J	**570**	U	U	U	**82** J
Benzo(b)fluoranthene	1100	160 J	760	U	U	U	U
Benzo(g,h,i)perylene	50000	U	81 J	U	U	U	U
Benzo(k)fluoranthene	1100	U	280 J	U	U	U	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		93 J	220 J	75 J	U	130 J	490
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	210 J	U	U	U	U
Chrysene	400	110 J	750	U	U	U	170 J
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	310 J	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	95 J	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	150 J	1500	U	U	U	200 J
Fluorene	50000	U	590	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	180 J	U	U	U	U
Isophorone	4400	150 J	71 J	U	620	U	U
Naphthalene	13000	U	96 J	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	81 J	2000	U	U	U	250 J
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	190 J	1500	U	U	U	190 J
Total	500000	1154	10453	75	620	130	1652

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	K-6	K-5	K-7	K-8	K-9	L-4
		2-4 ft	8-10 ft	6-8 ft	18-20 ft	6-8 ft	0-2 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	170 J	U	74 J	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	170 J	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	96 J	U	U	U	300 J	U
Benzo(a)anthracene	224 or MDL	320 J	U	77 J	100 J	410	U
Benzo(a)pyrene	61 or MDL	270 J	U	69 J	88 J	560	U
Benzo(b)fluoranthene	1100	320 J	U	U	100 J	590	U
Benzo(g,h,i)perylene	50000	U	U	U	U	120 J	U
Benzo(k)fluoranthene	1100	260 J	U	U	97 J	480	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		130 J	72 J	78 J	U	U	U
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	370	U
Chrysene	400	400	U	94 J	120 J	480	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	99 J	U
Dibenzofuran	6200	U	U	U	U	190 J	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	660	74 J	180 J	250 J	1100	U
Fluorene	50000	U	U	U	U	290 J	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	78 J	U	U	U	290 J	U
Isophorone	4400	160 J	U	U	U	U	U
Naphthalene	13000	U	U	U	U	200 J	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	540	97 J	150 J	190 J	1300	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	500	77 J	130 J	190 J	750	U
Total	500000	3904	320	852	1135	7699	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	L-5	K-6	L-6	L-7	L-8	L-9
		18-20 ft	6-8 ft	0-2 ft	0-2 ft	0-2 ft	0-2 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	140 J	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	190 J	U	U	U	U
Benzo(a)anthracene	224 or MDL	U	240 J	U	U	U	U
Benzo(a)pyrene	61 or MDL	U	130 J	U	U	U	U
Benzo(b)fluoranthene	1100	U	100 J	U	U	U	U
Benzo(g,h,i)perylene	50000	U	U	U	U	U	U
Benzo(k)fluoranthene	1100	U	94 J	U	U	U	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		U	110 J	U	U	U	U
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	400	U	290 J	U	U	U	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	130 J	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	U	440	U	U	U	U
Fluorene	50000	U	230 J	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	U	U	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	170 J	U	U	U	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	U	550	U	U	U	U
Total	500000	U	2814	U	U	U	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	M-4	K-6	M-5	M-6	M-7	M-8
		0-2 ft	8-10 ft	0-2 ft	0-2 ft	0-2 ft	0-2 ft
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	U	U	U
Benzo(a)anthracene	224 or MDL	160 J	100 J	U	U	U	U
Benzo(a)pyrene	61 or MDL	84 J	U	U	U	U	U
Benzo(b)fluoranthene	1100	200 J	U	U	U	U	U
Benzo(g,h,i)perylene	50000	U	U	U	U	U	U
Benzo(k)fluoranthene	1100	100 J	U	U	U	U	U
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		76 J	87 J	U	U	U	U
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	400	170 J	130 J	U	U	U	U
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	3800 B	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	270 J	200 J	U	U	79 J	U
Fluorene	50000	U	79 J	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	U	U	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	110 J	130 J	U	U	U	U
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	190 J	230 J	U	U	U	U
Total	500000	1360	956	U	U	79	U

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	M-9	N-4	N-4	N-5	N-6	N-7
		4-6 ft	0-2 ft	10-12 ft	0-2 ft	0-2 ft	0-2 FT
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
1,2,4-Trichlorobenzene	3400	U	U	U	U	U	U
1,2-Dichlorobenzene		U	U	U	U	U	U
1,3-Dichlorobenzene	1600	U	U	U	U	U	U
1,4-Dichlorobenzene	8500	U	U	U	U	U	U
2,2'-oxybis(1-chloropropane)		U	U	U	U	U	U
2,4,5-Trichlorophenol	100	U	U	U	U	U	U
2,4,6-Trichlorophenol		U	U	U	U	U	U
2,4-Dichlorophenol	400	U	U	U	U	U	U
2,4-Dimethylphenol		U	U	U	U	U	U
2,4-Dinitrophenol	200 or MDL	U	U	U	U	U	U
2,4-Dinitrotoluene		U	U	U	U	U	U
2,6 Dinitrotoluene	1000	U	U	U	U	U	U
2-Chloronaphthalene		U	U	U	U	U	U
2-Chlorophenol	800	U	U	U	U	U	U
2-Methylnaphthalene	36400	U	U	U	U	U	U
2-Methylphenol	100 or MDL	U	U	U	U	U	U
2-Nitroaniline	430 or MDL	U	U	U	U	U	U
2-Nitrophenol	330 or MDL	U	U	U	U	U	U
3,3'-Dichlorobenzidine		U	U	U	U	U	U
3-Nitroaniline	500 or MDL	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol		U	U	U	U	U	U
4-Bromophenyl-phenylether		U	U	U	U	U	U
4-Chloro-3-methylphenol	240 or MDL	U	U	U	U	U	U
4- Chloroaniline	220 or MDL	U	U	U	U	U	U
4-Chlorophenyl-phenylether		U	U	U	U	U	U
4-Methylphenol	900	U	U	U	U	U	U
4-Nitroaniline		U	U	U	U	U	U
4-Nitrophenol	100 or MDL	U	U	U	U	U	U
Acenaphthene	50000	U	U	U	U	U	U
Acenaphthylene	41000	U	U	U	U	U	U
Anthracene	50000	U	U	U	U	110 J	U
Benzo(a)anthracene	224 or MDL	U	77 J	U	110 J	420	210 J
Benzo(a)pyrene	61 or MDL	U	72 J	U	100 J	380	160 J
Benzo(b)fluoranthene	1100	U	U	U	120 J	420	230 J
Benzo(g,h,i)perylene	50000	U	U	U	U	U	U
Benzo(k)fluoranthene	1100	U	96 J	U	100 J	340	89 J
bis(2-Chloroethoxy)methane		U	U	U	U	U	U
bis(2-chloroethyl)ether		U	U	U	U	U	U
bis(2-ethylhexyl)phthalate		U	U	U	910	U	94 J
Butyl benzyl phthlate	50000	U	U	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	400	U	88 J	U	120 J	440	210 J
Dibenz(a,h)anthracene	14 or MDL	U	U	U	U	U	U
Dibenzofuran	6200	U	U	U	U	U	U
Diethylphthlate	7100	U	U	U	U	U	U
Dimethylphthlate	2000	U	U	U	U	U	U
Di-n-butyl phthalate	8100	U	U	U	U	U	U
Di-n-octyl phthlate	50000	U	U	U	U	U	U
Fluoranthene	50000	U	140 J	69 J	210 J	940	290 J
Fluorene	50000	U	U	U	U	U	U
Hexachlorobenzene	410	U	U	U	U	U	U
Hexachlorobutadiene		U	U	U	U	U	U
Hexachlorocyclopentadiene		U	U	U	U	U	U
Hexachloroethane		U	U	U	U	U	U
Indeno (1,2,3-cd)pyrene	3200	U	U	U	77 J	170 J	U
Isophorone	4400	U	U	U	U	U	U
Naphthalene	13000	U	U	U	U	U	U
Nitrobenzene	200 or MDL	U	U	U	U	U	U
N-Nitroso-di-n-propylamine		U	U	U	U	U	U
N-Nitrosodiphenylamine		U	U	U	U	U	U
Pentachlorophenol	1000 or MDL	U	U	U	U	U	U
Phenanthrene	50000	U	87 J	U	79 J	510	210 J
Phenol	30 or MDL	U	U	U	U	U	U
Pyrene	50000	U	120 J	U	160 J	730	410
Total	500000	U	680	69	1986	4460	1903

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.2.4 (continued). SEMI-VOLATILE ORGANIC COMPOUND (SVOC) SOIL SAMPLING RESULTS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	N-8		N-9		N-9
		0-2 ft		10-12 ft		58-60 ft
	(µg/kg)	(µg/kg)		(µg/kg)		(µg/kg)
1,2,4-Trichlorobenzene	3400		U		U	U
1,2-Dichlorobenzene			U		U	U
1,3-Dichlorobenzene	1600		U		U	U
1,4-Dichlorobenzene	8500		U		U	U
2,2'-oxybis(1-chloropropane)			U		U	U
2,4,5-Trichlorophenol	100		U		U	U
2,4,6-Trichlorophenol			U		U	U
2,4-Dichlorophenol	400		U		U	U
2,4-Dimethylphenol			U		U	U
2,4-Dinitrophenol	200 or MDL		U		U	U
2,4-Dinitrotoluene			U		U	U
2,6 Dinitrotoluene	1000		U		U	U
2-Chloronaphthalene			U		U	U
2-Chlorophenol	800		U		U	U
2-Methylnaphthalene	36400		U		U	U
2-Methylphenol	100 or MDL		U		U	U
2-Nitroaniline	430 or MDL		U		U	U
2-Nitrophenol	330 or MDL		U		U	U
3,3'-Dichlorobenzidine			U		U	U
3-Nitroaniline	500 or MDL		U		U	U
4,6-Dinitro-2-methylphenol			U		U	U
4-Bromophenyl-phenylether			U		U	U
4-Chloro-3-methylphenol	240 or MDL		U		U	U
4- Chloroaniline	220 or MDL		U		U	U
4-Chlorophenyl-phenylether			U		U	U
4-Methylphenol	900		U		U	U
4-Nitroaniline			U		U	U
4-Nitrophenol	100 or MDL		U		U	U
Acenaphthene	50000		U		U	U
Acenaphthylene	41000	91	J		U	U
Anthracene	50000	330	J		U	U
Benzo(a)anthracene	224 or MDL	**1200**		210	J	U
Benzo(a)pyrene	61 or MDL	**450**		**120**	J	U
Benzo(b)fluoranthene	1100	1100		350		U
Benzo(g,h,i)perylene	50000		U		U	U
Benzo(k)fluoranthene	1100	440		100	J	U
bis(2-Chloroethoxy)methane			U		U	U
bis(2-chloroethyl)ether			U		U	U
bis(2-ethylhexyl)phthalate			U	240	J	U
Butyl benzyl phthlate	50000		U		U	U
Carbazole			U		U	U
Chrysene	400	**1200**		280	J	U
Dibenz(a,h)anthracene	14 or MDL	**130**	J		U	U
Dibenzofuran	6200		U		U	U
Diethylphthlate	7100		U		U	U
Dimethylphthlate	2000		U		U	U
Di-n-butyl phthalate	8100		U		U	U
Di-n-octyl phthlate	50000		U		U	U
Fluoranthene	50000	2100		410		U
Fluorene	50000		U	79	J	U
Hexachlorobenzene	410		U		U	U
Hexachlorobutadiene			U		U	U
Hexachlorocyclopentadiene			U		U	U
Hexachloroethane			U		U	U
Indeno (1,2,3-cd)pyrene	3200	190	J		U	U
Isophorone	4400		U		U	U
Naphthalene	13000		U		U	U
Nitrobenzene	200 or MDL		U		U	U
N-Nitroso-di-n-propylamine			U		U	U
N-Nitrosodiphenylamine			U		U	U
Pentachlorophenol	1000 or MDL		U		U	U
Phenanthrene	50000	1800		410		U
Phenol	30 or MDL		U		U	U
Pyrene	50000	1800		390		U
Total	500000	10831		2589		

(1): New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
U – Parameter was analyzed but was not detected.
J – Estimated value.

TABLE 4.3.1. VOLATILE ORGANIC COMPOUND (VOC) SOIL VAPOR SAMPLING RESULTS

Parameter	Samples Collected on 6-10-2005	D-1	D-1	E-3	E-5	E-13
	Ambient 6-10-2005	8-10 ft	58-60 ft	8-10 ft	8-10 ft	8-10 ft
	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)
1,1,1-Trichloroethane	U	11	17 J	24	45	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	8.1	U	U
1,1-Dichloroethene	U	U	U	U	UJ	U
1,2,4-Trichlorobenzene	U	U	U	U	U	U
1,2,4-Trimethylbenzene	U	210 J	140 EJ	88	U	110
1,2-Dibromoethane	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U
1,2-Dichloroethene (total)	U	U	U	520	440	U
1,2-Dichloropropane	U	U	U	U	U	U
1,2-Dichlorotetrafluoroethane	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	49	39 J	26	U	30
1,3-Butadiene	U	3.1	110 J	240	290 J	U
1,3-Dichlorobenzene	U	U	U	U	U	U
1,4-Dichlorobenzene	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	1.5	8.4 J	22	89	U
2-Chlorotoluene	U	1 U	U	U	U	U
3-Chloropropene	U	0.63 U	U	U	U	U
4-Ethyltoluene	U	170	140 J	69	U	79
Acetone	U	100	81 J	140	U	U
Benzene	U	4.8	32 J	42	54	U
Bromodichloromethane	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U
Carbon Disulfide	U	U	2.6 J	59	50	U
Carbon Tetrachloride	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U
Chloroform	U	U	44 J	10	U	U
Chloromethane	1.5	U	U	U	U	U
cis-1,2-Dichloroethene	U	U	U	440	400	U
cis-1,3-Dichloropropene	U	U	U	U	U	U
Cyclohexane	U	7.6	38 J	23	34	U
Dibromochloromethane	U	U	U	U	U	U
Dichlorodifluoromethane	U	U	U	U	U	9900
Ethylbenzene	U	40	56 J	30	U	33
Freon TF	U	U	U	U	U	U
Hexachlorobutadiene	U	U	U	U	UJ	U
Isopropyl Alcohol	U	U	U	U	U	U
Methyl Butyl Ketone	U	U	U	U	U	U
Methyl Ethyl Ketone	U	2.4	15 J	38	U	U
Methyl Isobutyl Ketone	U	U	3.1 J	U	U	U
Methyl tert-Butyl Ether	U	U	U	U	U	U
Methylene Chloride	U	U	U	U	U	U
n-Heptane	U	11	53 J	37	36	U
n-Hexane	U	6.7	95 J	49	81	U
Styrene	U	U	0.85 U	U	U	U
tert-Butyl Alcohol	U	U	15 U	U	U	U
Tetrachloroethene	U	95	130 J	95	56	63
Tetrahydrofuran	U	U	U	U	U	U
Toluene	1.1	120	380 EJ	140	45	87
trans-1,2-Dichloroethene	U	U	U	71	25	U
trans-1,3-Dichloropropene	U	U	U	U	U	U
Trichloroethene	U	100	150 J	1900	2700	25
Trichlorofluoromethane	U	3.7	3.4 J	U	U	U
Vinyl Chloride	U	U	U	82	380	U
Xylene (m,p)	U	350	230 J	130	U	150
Xylene (o)	U	87	87 J	43	U	52
Xylene (total)	U	430	480 J	170	U	200

E – Parameter detected above the upper calibration range limit.
U – Parameter was analyzed but was not detected above the reporting limit.
J – Estimated value.

TABLE 4.3.1 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL VAPOR SAMPLING RESULTS

Parameter	Samples Collected on 6-17-2005	G-4	G-4	J-1	J-1	N-4	N-4
	Ambient 6-17-2005	10 ft	52 ft	10 ft	52 ft	10 ft	52 ft
	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)
1,1,1-Trichloroethane	U	65	U	370	160	190	U
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U
1,1-Dichloroethane	U	2200	810	530	300	53	U
1,1-Dichloroethene	U	71	990	U	170	U	U
1,2,4-Trichlorobenzene	UJ	UJ	UJ	UJ	UJ	UJ	UJ
1,2,4-Trimethylbenzene	U	160	U	54	U	U	2
1,2-Dibromoethane	U	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	U	1500	99000	380	3400	790	6.7
1,2-Dichloropropane	U	U	U	U	U	U	U
1,2-Dichlorotetrafluoroethane	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	U	36	U	64	U	U	U
1,3-Butadiene	U	U	U	120	150	22	U
1,3-Dichlorobenzene	U	U	U	U	U	U	U
1,4-Dichlorobenzene	U	44	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	430	U	840	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U
3-Chloropropene	U	U	U	U	U	U	U
4-Ethyltoluene	U	22	U	U	U	U	1.4
Acetone	U	480	U	U	U	U	15
Benzene	U	51	U	99	U	U	1
Bromodichloromethane	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U
Carbon Disulfide	U	150	U	200	270	130	U
Carbon Tetrachloride	U	41	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U
Chloroethane	U	550	U	120	U	U	U
Chloroform	U	U	U	U	U	41	U
Chloromethane	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	U	1300	99000	320	3400	710	6.7
cis-1,3-Dichloropropene	U	U	U	U	U	U	U
Cyclohexane	U	55	U	240	U	U	U
Dibromochloromethane	U	U	U	U	U	U	U
Dichlorodifluoromethane	U	U	U	U	U	U	U
Ethylbenzene	U	U	U	U	U	U	U
Freon TF	U	U	U	U	U	U	U
Hexachlorobutadiene	UJ	UJ	UJ	UJ	UJ	UJ	UJ
Isopropyl Alcohol	U	U	U	U	U	U	U
Methyl Butyl Ketone	U	U	U	U	U	U	U
Methyl Ethyl Ketone	2.1	120	U	U	U	U	2.8
Methyl Isobutyl Ketone	U	U	U	U	U	U	U
Methyl tert-Butyl Ether	U	U	U	U	U	U	U
Methylene Chloride	U	U	U	U	450	94	U
n-Heptane	U	110	U	190	330	U	U
n-Hexane	U	99	U	170	150	39	U
Styrene	U	U	U	U	89	32	U
tert-Butyl Alcohol	U	U	U	U	U	U	U
Tetrachloroethene	U	240	U	U	U	88	U
Tetrahydrofuran	U	U	U	U	U	U	U
Toluene	1.9	75	U	180	680	87	4.5
trans-1,2-Dichloroethene	U	250	U	56	U	83	U
trans-1,3-Dichloropropene	U	U	U	U	U	U	U
Trichloroethene	U	1100	17000	480	18000	8100 E	43
Trichlorofluoromethane	U	U	U	U	U	U	U
Vinyl Chloride	U	4300 E	1500	1200	360	U	U
Xylene (m,p)	1.1	22	U	52	U	U	2.6
Xylene (o)	U	31	U	48	U	U	1.3
Xylene (total)	1.1	52	U	100	U	U	3.9

E – Parameter detected above the upper calibration range limit.
U – Parameter was analyzed but was not detected above the reporting limit.
J – Estimated value.

TABLE 4.3.1 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL VAPOR SAMPLING RESULTS

Parameter	Samples Collected on 6-17-2005	N-7	N-7
	Ambient 6-17-2005	10 ft	52 ft
	(µg/m^3)	(µg/m^3)	(µg/m^3)
1,1,1-Trichloroethane	U	120	190
1,1,2,2-Tetrachloroethane	U	U	U
1,1,2-Trichloroethane	U	U	U
1,1-Dichloroethane	U	130	49
1,1-Dichloroethene	U	U	U
1,2,4-Trichlorobenzene	U	UJ	UJ
1,2,4-Trimethylbenzene	U	U	U
1,2-Dibromoethane	U	U	U
1,2-Dichlorobenzene	U	U	U
1,2-Dichloroethane	U	U	U
1,2-Dichloroethene (total)	U	440	790
1,2-Dichloropropane	U	U	U
1,2-Dichlorotetrafluoroethane	U	U	U
1,3,5-Trimethylbenzene	U	U	U
1,3-Butadiene	U	U	22
1,3-Dichlorobenzene	U	U	U
1,4-Dichlorobenzene	U	U	U
1,4-Dioxane	U	U	U
2,2,4-Trimethylpentane	U	U	U
2-Chlorotoluene	U	U	U
3-Chloropropene	U	U	U
4-Ethyltoluene	U	U	U
Acetone	U	330	U
Benzene	U	U	U
Bromodichloromethane	U	U	U
Bromoethene	U	U	U
Bromoform	U	U	U
Bromomethane	U	U	U
Carbon Disulfide	U	140	93
Carbon Tetrachloride	U	U	U
Chlorobenzene	U	U	U
Chloroethane	U	U	U
Chloroform	U	40	U
Chloromethane	U	U	U
cis-1,2-Dichloroethene	U	370	710
cis-1,3-Dichloropropene	U	U	U
Cyclohexane	U	U	U
Dibromochloromethane	U	U	U
Dichlorodifluoromethane	U	U	U
Ethylbenzene	U	U	U
Freon TF	U	U	U
Hexachlorobutadiene	U	UJ	UJ
Isopropyl Alcohol	U	470	U
Methyl Butyl Ketone	U	U	U
Methyl Ethyl Ketone	2.1	47	U
Methyl Isobutyl Ketone	U	U	U
Methyl tert-Butyl Ether	U	U	U
Methylene Chloride	U	94	U
n-Heptane	U	U	U
n-Hexane	U	27	39
Styrene	U	31	U
tert-Butyl Alcohol	U	U	U
Tetrachloroethene	U	240	88
Tetrahydrofuran	U	U	U
Toluene	1.9	79	60
trans-1,2-Dichloroethene	U	87	87
trans-1,3-Dichloropropene	U	U	U
Trichloroethene	U	4500	7500
Trichlorofluoromethane	U	U	U
Vinyl Chloride	U	U	U
Xylene (m,p)	1.1	36	U
Xylene (o)	U	24	U
Xylene (total)	1.1	61	U

E – Parameter detected above the upper calibration range limit.
U – Parameter was analyzed but was not detected above the reporting limit.
J – Estimated value.

TABLE 4.3.1 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL VAPOR SAMPLING RESULTS

Parameter	Samples Collected on 6-23-2005	E-11	G-11	H-13	H-13	I-3	I-5
	Ambient 6-23-2005	10 ft	10 ft	10 ft	52 ft	10 ft	10
	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)
1,1,1-Trichloroethane	U	U	40	U	36	210	150
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U
1,1,2-Trichloroethane	U	U	U	U	U	U	U
1,1-Dichloroethane	U	U	U	U	U	120	210
1,1-Dichloroethene	U	U	9.5	U	U	U	U
1,2,4-Trichlorobenzene	UJ	UJ	UJ	UJ	UJ	UJ	UJ
1,2,4-Trimethylbenzene	U	84	110	150	130	110	69
1,2-Dibromoethane	U	U	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	U	U	U
1,2-Dichloroethane	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	210	79	37	U	48	1900	950
1,2-Dichloropropane	U	U	U	U	U	U	U
1,2-Dichlorotetrafluoroethane	U	U	84	U	U	U	U
1,3,5-Trimethylbenzene	U	26	34	46	40	38	U
1,3-Butadiene	U	27	U	20	88	22	U
1,3-Dichlorobenzene	U	U	U	U	U	U	U
1,4-Dichlorobenzene	U	U	U	U	U	U	U
1,4-Dioxane	U	U	U	U	U	U	U
2,2,4-Trimethylpentane	U	U	U	U	U	U	U
2-Chlorotoluene	U	U	U	U	U	U	U
3-Chloropropene	U	U	U	U	U	U	U
4-Ethyltoluene	U	64	74	98	100	79	59
Acetone	U	U	U	200	400	U	U
Benzene	U	13	U	12	42	23	U
Bromodichloromethane	U	U	U	U	U	U	U
Bromoethene	U	U	U	U	U	U	U
Bromoform	U	U	U	U	U	U	U
Bromomethane	U	U	U	U	U	U	U
Carbon Disulfide	U	U	U	U	37	U	U
Carbon Tetrachloride	U	U	U	U	U	U	U
Chlorobenzene	U	U	U	U	U	U	U
Chloroethane	U	U	U	U	U	U	U
Chloroform	1.1	U	83	130	540	26	U
Chloromethane	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	190	79	37	U	48	1700	870
cis-1,3-Dichloropropene	U	U	U	U	U	U	U
Cyclohexane	U	U	U	9.3	48	U	U
Dibromochloromethane	U	U	U	U	U	U	U
Dichlorodifluoromethane	U	11000 EJ	1200	5900 EJ	29000 J	U	U
Ethylbenzene	U	27	25	33	56	35	U
Freon TF	U	U	U	U	U	U	U
Hexachlorobutadiene	UJ	UJ	UJ	UJ	UJ	UJ	UJ
Isopropyl Alcohol	U	U	U	U	U	U	U
Methyl Butyl Ketone	U	U	U	U	U	U	U
Methyl Ethyl Ketone	2.9	19	U	32	100	62	U
Methyl Isobutyl Ketone	U	U	U	U	U	U	U
Methyl tert-Butyl Ether	U	U	U	U	U	U	U
Methylene Chloride	U	U	U	U	U	U	U
n-Heptane	U	14	U	15	49	20	U
n-Hexane	U	13	U	16	70	24	39
Styrene	U	U	U	U	U	U	U
tert-Butyl Alcohol	U	U	U	U	U	U	U
Tetrachloroethene	3.1	2000	2200	2200	4400	5000	2600
Tetrahydrofuran	U	U	U	U	U	U	U
Toluene	0.94	79	60	87	230	100	83
trans-1,2-Dichloroethene	0.79	U	U	U	U	210	95
trans-1,3-Dichloropropene	U	U	U	U	U	U	U
Trichloroethene	4.1	48	260	28	100	3700	4500
Trichlorofluoromethane	1.1	U	53	21	44	U	U
Vinyl Chloride	U	U	51 U	U	U	U	U
Xylene (m,p)	U	120	120	160	230	150	120
Xylene (o)	U	43	48	61	87	61	48
Xylene (total)	U	170	170	220	320	210	170

E – Parameter detected above the upper calibration range limit.
U – Parameter was analyzed but was not detected above the reporting limit.
J – Estimated value.

TABLE 4.3.1 (continued). VOLATILE ORGANIC COMPOUND (VOC) SOIL VAPOR SAMPLING RESULTS

Parameter	Samples Collected on 6-23-2005		J-9		J-9	
	Ambient 6-23-2005		10 ft		52 ft	
	(µg/m³)		(µg/m³)		(µg/m³)	
1,1,1-Trichloroethane		U		U		U
1,1,2,2-Tetrachloroethane		U		U		U
1,1,2-Trichloroethane		U		U		U
1,1-Dichloroethane		U		U		U
1,1-Dichloroethene		U	1100			U
1,2,4-Trichlorobenzene		U		UJ		UJ
1,2,4-Trimethylbenzene		U		U		U
1,2-Dibromoethane		U		U		U
1,2-Dichlorobenzene		U		U		U
1,2-Dichloroethane		U		U		U
1,2-Dichloroethene (total)	210		59000		320000	
1,2-Dichloropropane		U		U		U
1,2-Dichlorotetrafluoroethane		U		U		U
1,3,5-Trimethylbenzene		U		U		U
1,3-Butadiene		U		U		U
1,3-Dichlorobenzene		U		U		U
1,4-Dichlorobenzene		U		U		U
1,4-Dioxane		U		U		U
2,2,4-Trimethylpentane		U		U		U
2-Chlorotoluene		U		U		U
3-Chloropropene		U		U		U
4-Ethyltoluene		U		U		U
Acetone		U		U		U
Benzene		U		U		U
Bromodichloromethane		U		U		U
Bromoethene		U		U		U
Bromoform		U		U		U
Bromomethane		U		U		U
Carbon Disulfide		U		U		U
Carbon Tetrachloride		U		U		U
Chlorobenzene		U		U		U
Chloroethane		U		U		U
Chloroform	1.1			U		U
Chloromethane		U		U		U
cis-1,2-Dichloroethene	210	E	59000		320000	E
cis-1,3-Dichloropropene		U		U		U
Cyclohexane		U		U		U
Dibromochloromethane		U		U		U
Dichlorodifluoromethane		U		U		U
Ethylbenzene		U		U		U
Freon TF		U		U		U
Hexachlorobutadiene		U		UJ		UJ
Isopropyl Alcohol		U		U		U
Methyl Butyl Ketone		U		U		U
Methyl Ethyl Ketone	2.9			U	3500	
Methyl Isobutyl Ketone		U		U		U
Methyl tert-Butyl Ether		U		U		U
Methylene Chloride		U		U		U
n-Heptane		U		U		U
n-Hexane		U		U		U
Styrene		U		U		U
tert-Butyl Alcohol		U		U		U
Tetrachloroethene	3.1		1600			U
Tetrahydrofuran		U		U		U
Toluene	0.94			U		U
trans-1,2-Dichloroethene	0.79			U		U
trans-1,3-Dichloropropene		U		U		U
Trichloroethene	4.1		1700		5100	
Trichlorofluoromethane	1.1			U		U
Vinyl Chloride		U		U		U
Xylene (m,p)		U		U		U
Xylene (o)		U		U		U
Xylene (total)		U		U		U

E – Parameter detected above the upper calibration range limit.
U – Parameter was analyzed but was not detected above the reporting limit.
J – Estimated value.

TABLE 4.4.1. PCB GROUNDWATER SAMPLING RESULTS

Parameter	NYSDEC Class GA Groundwater Standard[1]	CAMW-1	CAMW-2	CAMW-3	CAMW-4
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Aroclor 1016		1.0 U	1.0 U	1.0 U	1.0 U
Aroclor 1221		2.0 U	2.0 U	2.0 U	2.0 U
Aroclor 1232		1.0 U	1.0 U	1.0 U	1.0 U
Aroclor 1242		1.0 U	1.0 U	1.0 U	1.0 U
Aroclor 1248		1.0 U	1.0 U	1.0 U	1.0 U
Aroclor 1254		1.0 U	1.0 U	1.0 U	1.0 U
Aroclor 1260		1.0 U	1.0 U	1.0 U	1.0 U
Total	0.09	U	U	U	U

[1] 6 NYCRR Part 703

U – Compound was analyzed for but not detected, i.e., less than the IDL.

TABLE 4.4.2. METALS GROUNDWATER SAMPLING RESULTS

Parameter	NYSDEC Class GA Groundwater Standard[1]	CAMW-1		CAMW-2		CAMW-3		CAMW-4	
	(µg/L)	(µg/L)		(µg/L)		(µg/L)		(µg/L)	
Mercury	0.7	0.10	U	0.10	U	0.10	U	0.10	U
Aluminum	2000[2]	74.6	BU	48.8	BU	56.8	BU	55.4	BU
Antimony	3	3.3	U	3.3	U	3.3	U	3.3	U
Arsenic	25	5.6	U	5.6	U	5.6	U	5.6	U
Barium	1000	19.0	B	69.4	B	62.5	B	79.5	B
Beryllium		17.1	U	17.1	U	17.1	U	17.1	U
Calcium		15600		49200		95300		61400	
Cadmium	5	0.37	U	0.37	U	0.52	B	0.37	U
Chromium	50	4.5	BU	2.5	BU	2.8	BU	4.0	BU
Cobalt		1.1	U	4.5	B	1.1	U	3.8	B
Copper	200	2.1	B	0.98	U	2.3	B	1.4	B
Iron	300	76.9	BU	44.7	BU	59.1	BU	62.1	BU
Lead	25	1.2	U	1.2	U	1.2	U	1.2	U
Magnesium		1290	B	7880		5680		7620	
Manganese	300	12.7	B	16.3		11.3	B	77.1	
Nickel	100	2.0	U	2.0	U	2.0	U	3.7	B
Potassium		10100	EJ	7280	EJ	8640	EJ	15400	EJ
Selenium	10	5.4	U	5.4	U	5.4	U	5.4	U
Silver	50	3.6	U	3.6	U	3.6	U	3.6	U
Sodium	20000	30500		59800		105000		44200	E
Thallium		5.0	U	5.0	U	5.0	U	5.0	U
Vanadium		5.4	U	5.4	U	5.4	U	5.4	U
Zinc	5000	18.2	BU	17.5	BU	51.1	U	54.1	U
Chromium, hexavalent		1.1	U	0.02	U	0.02	U	0.02	U
Cyanide		0.57	U	10.0	U	10.0	U	10.0	U

[1] 6 NYCRR Part 703
[2] Effluent Limitation
B – Reported value is less than the Contract Required Detection Limit (CRDL) but greater than the Instrument Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
U – Compound was analyzed for but not detected, i.e., less than the IDL.

TABLE 4.4.3. VOLATILE ORGANIC COMPOUND GROUNDWATER SAMPLING RESULTS

Parameter	NYSDEC Class GA Groundwater Standard[1]	CAMW-1	CAMW-2	CAMW-3	CAMW-4
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
1,1,1 Trichloroethane	5.0	10 U	8 J	10 U	10 U
1,1,2,2-Tetrachloroethane	5.0	10 U	10 U	10 U	10 U
1,1,2 Trichloroethane	1.0	10 U	10 U	10 U	10 U
1,1-Dichloroethane	5.0	10 U	11	4 J	10 U
1,1-Dichloroethene	5.0	10 U	10	2 J	10 U
1,2-Dichloroethane	0.6	10 U	10 U	10 U	10 U
1,2-Dichloroethene	5.0	20	590	1400	32
1,2 Dichloropropane	1.0	10 U	10 U	10 U	10 U
2-Butanone	50	10 U	10 U	10 U	10 U
2-Hexanone	50	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone		10 U	10 U	10 U	10 U
Acetone	50	10 U	10 U	10 U	10 U
Benzene	1.0	10 U	10 U	10 U	10 U
Bromodichloromethane	50	10 U	10 U	10 U	10 U
Bromoform	50	10 U	10 U	10 U	10 U
Bromomethane	5.0	10 U	10 U	10 U	10 U
Carbon Disulfide		10 U	10 U	10 U	10 U
Carbon Tetrachloride	5.0	10 U	10 U	10 U	10 U
Chlorobenzene	5.0	10 U	10 U	10 U	10 U
Chloroethane	5.0	10 U	10 U	10 U	10 U
Chloroform	7.0	1 J	10 U	2 J	1 J
Chloromethane		10 U	10 U	10 U	10 U
cis-1,3 Dichloropropene	0.4	10 U	10 U	10 U	10 U
Dibromochloromethane	50	10 U	10 U	10 U	10 U
Ethylbenzene	5.0	10 U	10 U	10 U	10 U
Methyl-t-butyl ether	5.0	10 U	10 U	10 U	10 U
Methylene chloride	5.0	10 U	10 U	10 U	10 U
Styrene	5.0	10 U	2 J	3 J	10 U
Tetrachloroethene	5.0	10 U	10 U	10 U	10 U
Toluene	5.0	10 U	10 U	10 U	10 U
trans-1,3 Dichloropropene	0.4	11	170	54	5 J
Trichloroethene	5.0	10 U	10 U	10 U	10 U
Vinyl chloride	2.0	10 U	10 U	10 U	10 U
Xylenes	5.0	10 U	8 J	10 U	10 U
Chlorodifluoromethane[2]	5.0	--	--	--	200 JN

[1] 6 NYCRR Part 703.
[2] Tentatively Identified Compound (TIC).
D – Compound identified in an analysis at a secondary dilution factor.
J – Estimated value.
N – Indicates presumptive evidence of a TIC.
U – Compound analyzed for but not detected.

TABLE 4.4.4. SEMI-VOLATILE ORGANIC COMPOUND (SVOC) GROUNDWATER SAMPLING RESULTS

Parameter	NYSDEC Class GA Groundwater Standard[1]	CAMW-1	CAMW-2	CAMW-3	CAMW-4
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
1,2,4-Trichlorobenzene	5	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	3	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	3	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	3	10 U	10 U	10 U	10 U
2,2'-oxybis(1-chloropropane)	--	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	--	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	--	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene	50	10 U	10 U	10 U	10 U
2,6 Dinitrotoluene	5	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Chlorophenol	--	10 U	10 U	10 U	10 U
2-Methylnaphthalene	--	10 U	10 U	10 U	10 U
2-Methylphenol	--	10 U	10 U	10 U	10 U
2-Nitroaniline	5	25 U	25 U	25 U	25 U
2-Nitrophenol	--	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	10 U	10 U	10 U	10 U
3-Nitroaniline	5	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	--	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	--	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	--	10 U	10 U	10 U	10 U
4- Chloroaniline	5	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	--	10 U	10 U	10 U	10 U
4-Methylphenol	--	10 U	10 U	10 U	10 U
4-Nitroaniline	5	25 U	25 U	25 U	25 U
4-Nitrophenol	--	25 U	25 U	25 U	25 U
Acenaphthene	20	10 U	10 U	10 U	10 U
Acenaphthylene	--	10 U	10 U	10 U	10 U
Anthracene	50	10 U	10 U	10 U	10 U
Benzo(a)anthracene	0.002	10 U	10 U	10 U	10 U
Benzo(a)pyrene	--	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	0.002	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	--	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	0.002	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	5	10 U	10 U	10 U	10 U
bis(2-chloroethyl)ether	5	10 U	10 U	10 U	10 U
bis(2-ethylhexyl)phthalate	5	10 U	10 U	10 U	10 U
Butyl benzyl phthlate	50	10 U	10 U	10 U	10 U
Carbazole	--	10 U	10 U	10 U	10 U
Chrysene	0.002	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	--	10 U	10 U	10 U	10 U
Dibenzofuran	--	10 U	10 U	10 U	10 U
Diethylphthlate	50	10 U	10 U	10 U	10 U
Dimethylphthlate	50	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	--	10 U	10 U	10 U	10 U
Di-n-octyl phthlate	50	10 UJ	10 UJ	10 UJ	10 UJ
Fluoranthene	50	10 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	10 U	10 U	10 U	10 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U
Hexachloroethane	5	10 U	10 U	10 U	10 U
Indeno (1,2,3-cd)pyrene	0.002	10 U	10 U	10 U	10 U
Isophorone	50	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U
Nitrobenzene	0.4	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	50	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	50	10 U	10 U	10 U	10 U
Pentachlorophenol	5	25 U	25 U	25 U	25 U
Phenanthrene	50	10 U	10 U	10 U	10 U
Phenol	1.0	10 U	10 U	10 U	10 U
Pyrene	50	10 U	10 U	10 U	10 U

[1] 6 NYCRR Part 703.

U – Compound analyzed for but not detected.

TABLE 5.1.1. QA/QC TRIP BLANK SAMPLING RESULTS FOR VOLATILE ORGANIC COMPOUNDS

Parameter	TB-1	TB-2	TB-4	TB-6	TB-10	TB-12	TB-18
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
1,1,1 Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2 Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2 Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3 Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3 Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes	10 U	10 U	10 U	10 U	10 U	10 U	10 U

[1] 6 NYCRR Part 703.
U – Compound analyzed for but not detected.

TABLE 5.1.1 (continued). QA/QC TRIP BLANK SAMPLING RESULTS FOR VOLATILE ORGANIC COMPOUNDS

Parameter	TB-19	TB-22	TB-23	TB-26	TB-27	TB-29	TB-31
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
1,1,1 Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2 Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2 Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3 Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3 Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylenes	10 U	10 U	10 U	10 U	10 U	10 U	10 U

(1) 6 NYCRR Part 703.
U – Compound analyzed for but not detected.

TABLE 5.1.1 (continued). QA/QC TRIP BLANK SAMPLING RESULTS FOR VOLATILE ORGANIC COMPOUNDS

Parameter	TB-33		TB-36		TB-39		TB-43		TB-45		TRIP BLANK 7-13-05	
	(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)		(µg/L)	
1,1,1 Trichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2 Trichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichloroethene	10	U	10	U	10	U	10	U	10	U	10	U
1,2 Dichloropropane	10	U	10	U	10	U	10	U	10	U	10	U
2-Butanone	10	U	10	U	10	U	10	U	10	U	10	U
2-Hexanone	10	U	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-Pentanone	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	10	U	10	U	10	U	10	U	6	J	10	U
Benzene	10	U	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	10	U	10	U	10	U	10	U	10	U	10	U
Bromoform	10	U	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U	10	U	10	U
Carbon Disulfide	10	U	10	U	10	U	10	U	10	U	10	U
Carbon Tetrachloride	10	U	10	U	10	U	10	U	10	U	10	U
Chlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Chloroform	10	U	10	U	10	U	10	U	10	U	10	U
Chloromethane	10	U	10	U	10	U	10	U	10	U	10	U
cis-1,3 Dichloropropene	10	U	10	U	10	U	10	U	10	U	10	U
Dibromochloromethane	10	U	10	U	10	U	10	U	10	U	10	U
Ethylbenzene	10	U	10	U	10	U	10	U	10	U	10	U
Methylene chloride	10	U	10	U	10	U	10	U	10	U	10	U
Styrene	10	U	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	10	U	10	U	10	U	10	U	10	U	10	U
Toluene	10	U	10	U	10	U	10	U	10	U	10	U
trans-1,3 Dichloropropene	10	U	10	U	10	U	10	U	10	U	10	U
Trichloroethene	10	U	10	U	10	U	10	U	10	U	10	U
Vinyl chloride	10	U	10	U	10	U	10	U	10	U	10	U
Xylenes	10	U	10	U	10	U	10	U	10	U	10	U

[1] 6 NYCRR Part 703.
J – Estimated value.
U – Compound analyzed for but not detected.

TABLE 5.1.2. QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR PCBS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	A-4		A-6		B-1		B-5		B-9		B-11		C-2	
		8-10	BD[2]	4-6	BD	28-30	BD	2-4	BD	0-2	BD	28-30	BD	0-2	BD
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
Aroclor 1016		U	U	U	U	U	U	U	U	U	UXJ	U	U	U	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U	U	UXJ	U	U	U	UXJ
Aroclor 1242		U	U	U	U	U	U	29 J	31 J	62	410	U	U	180	340
Aroclor 1248		U	U	U	U	U	U	U	U	U	UXJ	U	U	U	UXJ
Aroclor 1254		U	U	U	U	U	U	38 P	38 PJ	33 J	UXJ	U	U	U	170 ZJ
Aroclor 1260		U	U	U	U	U	U	22 J	U	20 J	U	U	U	36 J	48
Total	1000/10000							89	69	115	410			216	510

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
(2) BD = Blind Duplicate
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 5.1.2 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR PCBS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	C-5		C-9		D-1		D-3		D-7		D-8		D-10	
		8-10	BD[2]	8-10	BD	38-40	BD	48-50	BD	18-20	BD	4-6	BD	2-4	BD
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
Aroclor 1016		U	UXJ	U	UXJ	U	U	U	U	U	UXJ	U	UXJ	U	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	UXJ	U	UXJ	U	U	U	U	U	UXJ	U	UXJ	U	UXJ
Aroclor 1242		1800 D	5100 D	U	1100 D	U	U	U	U	210	250	2100 D	1200 D	81	160
Aroclor 1248		U	UXJ	U	UXJ	U	U	U	U	U	UXJ	U	UJ	U	UXJ
Aroclor 1254		U	UXJ	U	UXJ	U	U	U	U	U	U	U	210 Z	39 Z	49 ZJ
Aroclor 1260		61	120	U	37	U	U	U	U	27 J	34 J	110	62	U	U
Total	1000/10000	1861	5220		1137					237	284	2210	1472	120	209

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
(2) BD = Blind Duplicate
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 5.1.2 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR PCBS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	E-3		E-6		E-8		F-3		F-4		F-5		F-9	
		2-4	BD[2]	4-6	BD	0-2	BD	4-6	BD	8-10	BD	0-2	BD	4-6	BD
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
Aroclor 1016		UX	UXJ	U	UXJ	U	U	U	UX	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		UX	UXJ	U	UXJ	U	U	U	UX	U	U	U	U	U	U
Aroclor 1242		1100 D	3300 D	180	72	45	26 J	47	150	U	U	31 J	30 J	U	U
Aroclor 1248		UX	UXJ	U	UXJ	U	U	U	UX	U	U	U	U	U	U
Aroclor 1254		740 DZ	UXJ	U	U	49	48	25 JZ	78 PZ	U	U	22 PJ	U	U	U
Aroclor 1260		95	72	U	U	U	26 PJ	U	20 J	U	U	U	U	U	U
Total	1000/10000	1935	3372	180	72	94	100	72	248			53	30		

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
(2) BD = Blind Duplicate
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 5.1.2 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR PCBS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	F-13		G-2		G-6		G-9		G-14		H-1		H-7	
		8-10	BD[2]	0-2	BD	0-2	BD	0-2	BD	8-10	BD	28-30	BD	8-10	BD
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
Aroclor 1016		U	U	U	UXJ	U	U	U	UXJ	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	UXJ	U	U	U	UXJ	U	U	U	U	U	U
Aroclor 1242		22 J	U	150	120	U	U	110	93	U	20 J	U	U	U	U
Aroclor 1248		U	U	U	UXJ	U	U	U	UXJ	U	U	U	U	U	U
Aroclor 1254		24 PJ	U	77 Z	65 JZ	U	U	190	120	U	U	U	U	U	U
Aroclor 1260		U	U	25 J	25 PJ	U	U	24 J	U	U	U	U	U	U	U
Total	1000/10000	46		252	210			324	213						

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
(2) BD = Blind Duplicate
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 5.1.2 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR PCBS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	H-10		I-1		I-3		I-9		I-11		J-1		J-5	
		0-2	BD[2]	0-2	BD	8-10	BD	2-4	BD	4-6	BD	4-6	BD	0-2	BD
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
Aroclor 1016		U	U	U	UXJ	U	U	U	U	U	U	U	UXJ	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	UXJ	U	U	U	U	U	U	U	UXJ	U	U
Aroclor 1242		49 P	50	550	590 D	19 J	U	U	U	U	U	3500 D	5400 D	69	30 J
Aroclor 1248		U	U	U	UXJ	U	U	U	U	U	U	U	UXJ	U	U
Aroclor 1254		43 Z	44 JZ	250 PZ	200 JZ	U	U	U	U	U	U	1500 DZ	1800 DZJ	98	55
Aroclor 1260		U	U	75	47	U	U	U	U	U	U	530	500	21 J	U
Total	1000/10000	92	94	875	837	19						5530	7700	188	85

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
[2] BD = Blind Duplicate
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 5.1.2 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR PCBS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	J-7		K-7		L-7		M-8		N-4		N-5		N-6	
		48-50	BD[2]	8-10	BD	8-10	BD	8-10	BD	8-10	BD	2-4	BD	2-4	BD
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
Aroclor 1016		U	U	U	U	U	U	U	U	U	U	U	UXJ	U	UXJ
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U	U	U	U	UXJ	U	UXJ
Aroclor 1242		U	U	41	66	U	U	U	U	U	U	30 J	190 J	76	160
Aroclor 1248		U	U	U	U	U	U	U	U	U	U	U	UXJ	U	UXJ
Aroclor 1254		U	U	37	68	U	U	U	U	U	U	U	51	39	65
Aroclor 1260		U	U	U	U	U	U	U	U	U	U	U	U	30 J	19 J
Total	1000/10000			78	124							30	241	145	244

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
[2] BD = Blind Duplicate
D - Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 5.1.2 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR PCBS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	N-7		N-9	
		28-30	BD[2]	8-10	BD
	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
Aroclor 1016		U	U	U	UXJ
Aroclor 1221		U	U	U	U
Aroclor 1232		U	U	U	UXJ
Aroclor 1242		21 J	30 J	170	280
Aroclor 1248		U	U	U	UXJ
Aroclor 1254		U	20 J	1200 D	1800
Aroclor 1260		U	U	120	140
Total	1000/10000	21	50	1490	2220

(1) New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046, Recommended Soil Cleanup Objectives. 1 mg/kg for surface soils. 10 mg/kg for subsurface soils.
(2) BD = Blind Duplicate
D – Compound detected in an analysis at a secondary dilution factor.
J – Estimated Value.
P – Greater than 25% difference detected between concentrations on two Gas Chromatograph columns.
U – Compound not detected.
X – Aroclor compound may be partially masked by the presence of another Aroclor.
Z – Indicates compound may be biased high due to presence of another Aroclor.

TABLE 5.1.3. QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR METALS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	A-4		A-6		B-1		B-5		B-9	
			8-10	BD[2]	4-6	BD	28-30	BD	2-4	BD	0-2	BD
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.051 U	0.051 U	0.054 U	0.054 B	0.052 U	0.052 U	0.054 UN	0.055 UN	0.052 U	0.052 U
Arsenic	7.5 or SB	3 - 12	0.66 B*	1.3 *	3.2 *	3.3 *	1.4	1.2	3.8	2.4	1.8	1.5
Barium	300 or SB	15 - 600	10.2 B	6.9 B	17.7 B	27.1	6.9 B	5.8 B	31.5	19.9 B	13.0 B	13.6 B
Cadmium	10	0.1 - 1	0.18 B	0.045 B	0.099 B	0.13 B	0.068 U	0.042 U	0.46 B	0.26 B	0.97	0.13 B
Chromium	50	1.5 - 40	3.4 *	6.6 *	9.9 *	12.8 *	7.8	6.9	15.0	11.9	25.5	14.8
Lead	400	200 - 500	1.8 *	4.1 *	8.7 *	8.0 *	1.4	0.97	9.6 *	5.9 *	10.7	2.6
Selenium	2 or SB	0.1 - 3.9	0.55 U	0.18 U	0.58 UN	0.19 UN	0.48 UN	0.25 UN	0.51 UN	0.26 UN	0.56 U	0.19 U
Silver	SB	N/A	0.36 U	0.051 U	0.38 U	0.054 U	0.14 U	0.042 U	0.37 BN	0.18 BN	2.8	0.44 B

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
[2] BD = Blind Duplicate
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 5.1.3 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR METALS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	B-11		C-2		C-5		C-9		D-1	
			28-30	BD[2]	0-2	BD	8-10	BD	8-10	BD	38-40	BD
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.053 U	0.052 U	0.10 BN	0.067 BN	0.080 B	0.065 B	0.052 U	0.055 U	0.051 U	0.052 U
Arsenic	7.5 or SB	3 - 12	9.5	10.5	4.0 N	3.1 N	2.3	4.6	0.85 B	1.8	3.9	0.22 U
Barium	300 or SB	15 - 600	5.1 B	5.8 B	29.0	27.7	19.0 B	30.2	5.3 B	15.3 B	6.7 B	5.8 B
Cadmium	10	0.1 - 1	0.060 B	0.021 U	1.3	1.7	0.45 BN*	1.4 N*	0.062 B	0.14 B	0.038 U	0.021 U
Chromium	50	1.5 - 40	33.5	26.4	27.6	25.1	18.6	32.8	10.9	11.8	33.4	3.3
Lead	400	200 - 500	0.82 N	0.62 N	12.8 N*	12.4 N*	6.8	16.6	1.3	3.7	0.12 U	0.43
Selenium	2 or SB	0.1 - 3.9	0.57 U	0.19 U	0.52 U	0.25 U	0.58 U	0.20 U	0.55 U	0.20 U	0.55 U	0.19 U
Silver	SB	N/A	0.38 U	0.052 U	3.8	2.9	0.52 B	1.9	0.37 U	0.055 U	0.37 U	0.052 U

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
[2] BD = Blind Duplicate
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 5.1.3 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR METALS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	D-3		D-7		D-8		D-10		E-3	
			48-50	BD[2]	18-20	BD	4-6	BD	2-4	BD	2-4	BD
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.052 U	0.053 U	0.052 U	0.052 U	0.054 U	0.085 B	0.052 U	0.053 U	0.15	0.14
Arsenic	7.5 or SB	3 - 12	0.59 U	0.22 U	1.4 *E	1.7 *E	3.0	3.0	2.0	2.1	7.7 N*	7.6 N*
Barium	300 or SB	15 - 600	1.3 B	1.3 B	8.8 B	12.4 B	20.7 B	20.2 B	11.9 B	10.2 B	29.8	25.6
Cadmium	10	0.1 - 1	0.038 U	0.021 U	0.18 B*	0.29 B*	0.91	0.85	0.038 U	0.021 U	0.91	0.94
Chromium	50	1.5 - 40	0.56 B*	1.8 *	13.8 *E	25.1 *E	40.3	29.2	6.9 *	9.0 *	16.0 *E	37.9 *E
Lead	400	200 - 500	0.71	0.49	2.0 *E	2.7 *E	20.2 *	19.7 *	2.3	2.0	21.5 *	27.8 *
Selenium	2 or SB	0.1 - 3.9	0.56 U	0.19 U	0.49 UN	0.25 UN	0.58 U	0.20 U	0.56 UN	0.19 UN	0.66	1.3
Silver	SB	N/A	0.37 U	0.053 U	0.17 B	0.25 B	2.5	2.1	0.37 U	0.053 U	0.97 B	3.1

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
[2] BD = Blind Duplicate
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 5.1.3 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR METALS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	E-6		E-9		F-3		F-4		F-5	
			4-6	BD[2]	0-2	BD	4-6	BD	8-10	BD	0-2	BD
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.052 U	0.052 U	0.067 B	0.060 B	0.053 U	0.055 U	0.051 U	0.051 U	0.051 U	0.053 U
Arsenic	7.5 or SB	3 - 12	1.1	1.3	3.5	2.4	3.5	2.1	0.92 B	0.74 B	2.3	3.4
Barium	300 or SB	15 - 600	10.7 B	11.6 B	18.5 B	12.0 B	18.1 B	12.6 B	5.9 B	5.6 B	10.4	13.2
Cadmium	10	0.1 - 1	0.14 B	0.13 B	0.22 B	0.072 B	0.34 B	0.36 B	0.038 U	0.020 U	0.067 B	0.021 U
Chromium	50	1.5 - 40	11.5 N	10.6 N	10.1	6.3	17.8 *E	14.8 *E	13.4 *	20.1 *	24.9	33.1
Lead	400	200 - 500	1.9 *	2.4 *	6.6	5.3	10.1 N*	4.7 N*	0.89 N*	0.63 N*	1.3	0.075 U
Selenium	2 or SB	0.1 - 3.9	0.55 U	0.56 U	0.49 UN	0.25 UN	0.56 U	0.59 U	0.55 U	0.18 U	0.55 U	0.19 U
Silver	SB	N/A	0.37 U	0.37 U	0.14 U	0.041 U	1.3	0.55 B	0.37 U	0.051 U	0.37 U	0.053 U

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
[2] BD = Blind Duplicate
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 5.1.3 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR METALS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	F-9				F-13				G-2				G-6				G-9			
			4-6		BD[2]		8-10		BD		0-2		BD		0-2		BD		0-2		BD	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.051	U	0.051	U	0.051	U	0.052	U	0.053	U	0.053	U	0.055	U	0.052	U	0.052	U	0.053	B
Arsenic	7.5 or SB	3 - 12	1.6		0.93	B	0.89	B	1.4		7.1		19.4		1.1		1.2		1.2		1.2	
Barium	300 or SB	15 - 600	5.5	B	12.4	B	4.6	B	7.0	B	14.6	B	17.2	B	15.6	BE	8.5	BE	6.7	B	9.4	B
Cadmium	10	0.1 - 1	0.038	U	0.020	U	0.038	U	0.021	U	0.69	N*	4.1	N*	0.14	B	0.24	B	0.038	U	0.021	U
Chromium	50	1.5 - 40	4.9	*	5.6	*	5.1		8.7		22.2	*	35.9	*	19.2	N*	19.3	N*	4.9		6.2	
Lead	400	200 - 500	1.2		0.79		0.86	NE	1.7	NE	6.1		14.4		3.1	N*	1.3	N*	1.5		1.9	
Selenium	2 or SB	0.1 - 3.9	0.55	U	0.18	U	0.55	U	0.19	U	0.56	U	0.19	U	0.51	UN	0.25	UN	0.55	U	0.19	U
Silver	SB	N/A	0.37	UN	0.051	UN	0.37	U	0.052	U	1.8		3.0		0.15	U	0.041	U	0.37	U	0.052	U

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
[2] BD = Blind Duplicate
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 5.1.3 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR METALS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	G-14				H-1				H-7				H-10				I-1			
			8-10		BD[2]		28-30		BD		8-10		BD		0-2		BD		0-2		BD	
	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Mercury	0.1	0.001 - 0.2	0.052	U	0.051	U	0.052	U	0.12		1.4		0.058	U	0.051	U	0.051	U	0.11		0.10	B
Arsenic	7.5 or SB	3 - 12	1.2		0.81	B	0.81	B	4.7		6.7	B	1.2		0.78	B	0.93	B	7.3		3.7	
Barium	300 or SB	15 - 600	6.3	B	6.4	B	8.4	B	9.8	B	0.11	B	8.3	B	6.5	B	3.0	B	25.8		16.3	B
Cadmium	10	0.1 - 1	0.038	U	0.27	B	0.038	U	0.091	B	10.3		0.069	B	0.053	B	0.020	U	0.39	BN	0.24	BN
Chromium	50	1.5 - 40	10.5	N	38.4	N	3.5		8.9		0.35	*	12.5		6.1	*	2.1	*	32.2		28.4	
Lead	400	200 - 500	1.6	N	1.4	N	0.55		0.96		0.55	U	0.40	*	2.0		0.84		20.4		10.5	
Selenium	2 or SB	0.1 - 3.9	0.56	U	0.18	U	0.55	U	0.19	U	0.37	U	0.21	U	0.55	U	0.18	U	0.56	UN	0.19	UN
Silver	SB	N/A	0.37	U	0.051	U	0.37	U	0.052	U	1.4		0.058	U	0.37	U	0.051	U	2.8		1.0	B

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
[2] BD = Blind Duplicate
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 5.1.3 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR METALS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	I-3		I-9		I-11		J-1		J-5	
			8-10	BD[2]	2-4	BD	4-6	BD	4-6	BD	0-2	BD
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.051 UN	0.052 UN	0.052 U	0.052 U	0.052 U	0.052 U	0.51	0.18	0.052 U	0.053 U
Arsenic	7.5 or SB	3 - 12	0.31 U	0.20 U	0.58 U	1.3	0.53 B	0.38 B	6.5	4.9	1.9	2.5
Barium	300 or SB	15 - 600	4.7 B	5.6 B	5.5 B	109	5.4 B	4.9 B	167	64.3	14.1 B	20.6 B
Cadmium	10	0.1 - 1	0.41 BE	0.68 E	0.17 BN*	0.43 BN*	0.068 U	0.031 U	26.3	11.1	0.13 B	0.20 B
Chromium	50	1.5 - 40	5.8	8.6	4.8 N*	9.1 N*	5.7	6.3	287	244	11.0	12.8
Lead	400	200 - 500	1.4	2.0	0.86	1.6	0.93	1.6	61.1	39.2	2.6	3.8
Selenium	2 or SB	0.1 - 3.9	0.48 U	0.25 U	0.56 U	0.55 U	0.51 BN	0.61 N	0.84 N	0.97 N	0.56 UN	0.19 UN
Silver	SB	N/A	0.14 U	0.041 U	0.37 U	0.37 U	0.14 U	0.052 U	2.9	2.9	0.37 U	0.053 U

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
[2] BD = Blind Duplicate
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 5.1.3 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR METALS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	J-7		K-7		L-7		M-6		N-4	
			48-50	BD[2]	8-10	BD	8-10	BD	8-10	BD	8-10	BD
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.055 U	0.052 U	0.052 U	0.053 U	0.051 U	0.052 U	0.052 U	0.051 U	0.052 UN	0.052 UN
Arsenic	7.5 or SB	3 - 12	2.8	2.9	1.3	1.2	0.57 B	0.79 B	0.60 B	1.2	0.75 B	0.63 B
Barium	300 or SB	15 - 600	7.2 B	4.4 B	12.5 B	8.0 B	6.1 BE	6.2 BE	4.2 B	4.1 B	10.1 B	4.5 B
Cadmium	10	0.1 - 1	0.073 U	0.041 U	0.068 U	0.032 U	0.067 U	0.031 U	0.16 B	0.12 B	0.068 U	0.042 U
Chromium	50	1.5 - 40	3.0 N*	2.3 N*	18.6 N*	9.9 N*	6.6 *E	13.6 *E	3.7	6.1	5.2 N	2.5 N
Lead	400	200 - 500	2.4 N	2.1 N	2.9 N*	1.8 N*	0.76 N	1.1 N	0.54	0.58	2.7	1.4
Selenium	2 or SB	0.1 - 3.9	0.52 U	0.25 U	0.49 U	0.22 U	0.48 U	0.22 U	0.56 U	0.31 U	0.49 U	0.25 U
Silver	SB	N/A	0.15 U	0.041 U	0.14 U	0.053 U	0.14 U	0.052 U	0.37 U	0.077 U	0.14 U	0.042 U

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
[2] BD = Blind Duplicate
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 5.1.3 (continued). QA/QC BLIND DUPLICATE RESULTS COMPARISON FOR METALS

Parameter	NYSDEC Recommended Soil Cleanup Objective[1]	NYSDEC Eastern USA Background[1]	N-5		N-6		N-7		N-9	
			2-4	BD[2]	2-4	BD	28-30	BD	8-10	BD
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Mercury	0.1	0.001 - 0.2	0.053 U	0.053 U	0.054 U	0.052 U	0.054 U	0.054 U	0.052 U	0.29
Arsenic	7.5 or SB	3 - 12	1.2	1.2	3.6	1.0	1.6	2.7	0.59 UN*	0.63 BN*
Barium	300 or SB	15 - 600	7.7 B	9.2 B	84.1	13.4 B	9.9 B	7.9 B	4.9 B	6.6 B
Cadmium	10	0.1 - 1	0.24 B	0.35 B	1.3	0.38 B	0.071 U	0.043 U	0.17 B	0.20 B
Chromium	50	1.5 - 40	3.4	4.7	14.8 N	17.8 N	9.2 *	6.1 *	10.5	11.1
Lead	400	200 - 500	1.7	1.9	21.8 N*	1.4 N*	2.0	1.8	1.9	2.4
Selenium	2 or SB	0.1 - 3.9	0.56 U	0.56 U	0.58 U	0.56 U	0.51 UN	0.26 UN	0.56 U	0.56 U
Silver	SB	N/A	0.38 U	0.38 U	0.38 U	0.37 U	0.15 U	0.043 U	0.37 U	0.37 U

[1] New York State Department of Environmental Conservation (NYSDEC) Technical & Administrative Guidance Memorandum (TAGM) #4046.
[2] BD = Blind Duplicate
B – Parameter detected less than the Contract Required Detection Limit (CRDL) but greater than Instrumentation Detection Limit (IDL).
E – Reported value is estimated due to the presence of interference.
N – Matrix spike sample recovery not within control limits.
U – Parameter was analyzed for but not detected, i.e., less than IDL.
* - Duplicate analysis is not within control limits.

TABLE 6.3.1. QUALITATIVE RISK CHARACTERIZATION

Functional Exposure Pathway	Potential Receptor Population	Qualitative Potential Risk
Ingestion of Contaminated Soil	Visitors/Workers at Site	Present
	Area Residents	Minor
	Construction/Remedial Workers	Minor
Inhalation of Vapors	Visitors/Workers at Site	Present
	Area Residents	Minor
	Construction/Remedial Workers	Minor
Inhalation of Contaminated Dust During Remediation Activities	Workers at Site	Present
	Area Residents	Minor
	Construction/Remedial Workers	Minor
Direct Contact with Runoff Water	Visitors/Workers at Site	Minor
	Area Residents	Minor
	Construction/Remedial Workers	Minor
Ingestion of Contaminated Groundwater	Visitors/Workers at Site	Minor
	Area Residents	Minor
	Construction/Remedial Workers	Minor
Dermal Absorption of Contaminants in Soil	Visitors/Workers at Site	Present
	Area Residents	Minor
	Construction/Remedial Workers	Minor
Dermal Absorption of Contaminants in Groundwater	Visitors/Workers at Site	Minor
	Area Residents	Minor
	Construction/Remedial Workers	Minor

Table 1
Summary of Soil Vapor Sample Locations
Immediate Soil Vapor Intrusion Investigation
Former Grumman Settling Ponds (NYSDEC Site No. 1-30-003A)
Bethpage, New York

Location ID	Sample ID	General Location/Comments	Sample Date	Depth to GW (ft. bgs)	Depth to Soil Vapor Implant Base (ft. bgs)	Sample Start Time	Initial Vacuum (in. Hg)	Sample End Time	End Vacuum (in. Hg)	Sample End Date
Soil Vapor Sampling Points										
1-30-003A-SV01	1-30-003A-SV01	Near S entrance to high school	8/16/2007	dry	8	7:22	-30+	9:22	-7	8/16/2007
1-30-003A-SV02	1-30-003A-SV02	Near N entrance to high school	8/16/2007	dry	8	7:37	-30+	9:37	-6	8/16/2007
1-30-003A-SV03	1-30-003A-SV03	Near N entrance to high school	8/16/2007	unknown	40	7:37	-30+	9:37	-7.5	8/16/2007
1-30-003A-SV04	1-30-003A-SV04	Near N end of high school	8/16/2007	dry	8	7:43	-30	9:43	-6	8/16/2007
1-30-003A-SV05	1-30-003A-SV05	S Corner of Cherry Ave and Stewart Ave	8/16/2007	dry	8	7:56	-30+	9:56	-7.5	8/16/2007
1-30-003A-SV06	1-30-003A-SV06	S Corner of Cherry Ave and Stewart Ave	8/16/2007	unknown	40	7:56	-30	9:56	-5.5	8/16/2007
1-30-003A-SV07	1-30-003A-SV07	N Corner of Cherry Ave and Stewart Ave	8/16/2007	dry	8	8:06	-30	10:06	-7	8/16/2007
1-30-003A-SV01	1-30-003A-SV-DUP01	Near S entrance to high school	8/16/2007	dry	8	7:22	-29	9:22	-6.5	8/16/2007

Table 2
Summary of Volatile Organic Compounds (VOCs) in Air/Vapor Samples
Immediate Soil Vapor Intrusion Investigation
Former Grumman Settling Ponds (NYSDEC Site No. 1-30-003A)
Bethpage, New York

Parameter List EPA Method TO-15	Property ID	Structure 01				Structure 02			
	Sample ID	1-30-003A-SS01		1-30-003A-BF01		1-30-003A-SS02		1-30-003A-BF02	
	Lab ID	L0711861-01		L0711861-02		L0711861-03		L0711861-04	
	Sample Type	Subslab Soil Vapor		Basement Indoor Air		Subslab Soil Vapor		Basement Indoor Air	
	Sample Date	8/14/2007		8/14/2007		8/14/2007		8/14/2007	
Acetone	(ug/m3)	**40.2**		**43.6**		**65.4**		**61.6**	
Benzene	(ug/m3)	**1.09**		**0.919**		**2**		**1.94**	
Benzyl chloride	(ug/m3)	1.03	U	1.03	U	1.03	U	1.03	U
Bromodichloromethane	(ug/m3)	1.34	U	1.34	U	1.34	U	1.34	U
Bromoform	(ug/m3)	2.06	U	2.06	U	2.06	U	2.06	U
Bromomethane	(ug/m3)	0.78	U	0.776	U	0.776	U	0.776	U
1,3- Butadiene	(ug/m3)	0.44	U	0.442	U	0.442	U	0.442	U
2- Butanone	(ug/m3)	**7.15**		**6.5**		**13.7**		**8.22**	
Carbon disulfide	(ug/m3)	0.622	U	0.622	U	0.622	U	0.622	U
Carbon tetrachloride	(ug/m3)	1.26	U	1.26	U	1.26	U	1.26	U
Chlorobenzene	(ug/m3)	0.92	U	0.92	U	0.92	U	0.92	U
Chloroethane	(ug/m3)	0.527	U	0.527	U	0.527	U	0.527	U
Chloroform	(ug/m3)	0.976	U	0.976	U	0.976	U	0.976	U
Chloromethane	(ug/m3)	**0.844**		**1.32**		**1.17**		**1.45**	
3- Chloropropene	(ug/m3)	0.626	U	0.626	U	0.626	U	0.626	U
Cyclohexane	(ug/m3)	**1.28**		**1.61**		**1.67**		**1.49**	
Dibromochloromethane	(ug/m3)	1.7	U	1.7	U	1.7	U	1.7	U
1,2- Dibromoethane	(ug/m3)	1.54	U	1.54	U	1.54	U	1.54	U
1,2- Dichlorobenzene	(ug/m3)	1.2	U	1.2 U	U	1.2	U	1.2	U
1,3- Dichlorobenzene	(ug/m3)	1.2	U	1.2 U	U	1.2	U	1.2	U
1,4- Dichlorobenzene	(ug/m3)	**23.2**		**32.2**		**5.15**		**3.47**	
Dichlorodifluoromethane	(ug/m3)	**3.61**		**4.19**		**3.51**		**4.03**	
1,1- Dichloroethane	(ug/m3)	0.809	U	0.809	U	0.809	U	0.809	U
1,2- Dichloroethane	(ug/m3)	0.809	U	0.809	U	**1.04**		**1.22**	
1,1- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
cis-1,2- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
trans-1,2- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
1,2- Dichloropropane	(ug/m3)	0.924	U	0.924	U	0.924	U	0.924	U
cis-1,3- Dichloropropene	(ug/m3)	0.907	U	0.907	U	0.907	U	0.907	U
trans-1,3- Dichloropropene	(ug/m3)	0.907	U	0.907	U	0.907	U	0.907	U
1,4- Dioxane	(ug/m3)	0.72	U	0.72	U	0.72	U	0.72	U
Ethyl Acetate	(ug/m3)	0.721	U	0.721	U	**4.9**		**6.54**	
Ethylbenzene	(ug/m3)	**1.57**		**1.96**		**1.93**		**1.33**	
4- Ethyltoluene	(ug/m3)	0.982	U	0.982	U	0.982	U	0.982	U
Freon-113	(ug/m3)	**6.06**		**11**		1.53	U	1.53	U
Freon-114	(ug/m3)	1.4	U	1.4	U	1.4	U	1.4	U
Heptane	(ug/m3)	**2.4**		**1.59**		**3.84**		**2.81**	
Hexachlorobutadiene	(ug/m3)	2.13	U	2.13	U	2.13	U	2.13	U
n- Hexane	(ug/m3)	**1.88**		**2.07**		**4.17**		**4.74**	
2- Hexanone	(ug/m3)	**1.62**		0.819	U	0.819	U	0.819	U
Isopropanol	(ug/m3)	**5.68**		**5.72**		**18.9**		**16.8**	
Methyl tert butyl ether	(ug/m3)	0.72	U	0.72	U	0.72	U	0.72	U
4- Methyl-2-pentanone	(ug/m3)	**1.01**		0.819	U	**2.52**		0.819	U
Methylene chloride	(ug/m3)	**8.76**		**13**		**2.25**		**2.21**	
Propylene	(ug/m3)	**1.02**		0.344	U	**1.38**		**1.97**	
Styrene	(ug/m3)	**2.58**		**2.67**		**0.919**		0.851	U
1,1,2,2- Tetrachloroethane	(ug/m3)	1.37	U	1.37	U	1.37	U	1.37	U
Tetrachloroethene	(ug/m3)	**3.68**		**1.52**		1.36	U	1.36	U
Tetrahydrofuran	(ug/m3)	**1.4**		0.59	U	**3.12**		**1.92**	
Toluene	(ug/m3)	**11.3**		**6.6**		**15.7**		**6.11**	
1,2,4- Trichlorobenzene	(ug/m3)	1.48	U	1.48	U	1.48	U	1.48	U
1,1,1- Trichloroethane	(ug/m3)	**173**		**316**		**6.32**		1.09	U
1,1,2- Trichloroethane	(ug/m3)	1.09	U	1.09	U	1.09	U	1.09	U
Trichloroethene	(ug/m3)	**3.84**		1.07	U	1.07	U	1.07	U
Trichlorofluoromethane	(ug/m3)	**3.3**		**4.54**		**2.41**		**2.76**	
1,3,5- Trimethylbenzene	(ug/m3)	0.982	U	0.982	U	**1.02**		0.982	U
1,2,4- Trimethylbenzene	(ug/m3)	**2.02**		0.982	U	**3.88**		**2.42**	
2,2,4- Trimethylpentane	(ug/m3)	0.934	U	0.934	U	0.98		0.934	U
Vinyl acetate	(ug/m3)	0.704	U	0.704	U	0.704	U	0.704	U
Vinyl bromide	(ug/m3)	0.874	U	0.874	U	0.874	U	0.874	U
Vinyl chloride	(ug/m3)	0.511	U	0.511	U	0.511	U	0.511	U
o- Xylene	(ug/m3)	**1.7**		**1.6**		**2.54**		**1.57**	
p/m- Xylene	(ug/m3)	**5.14**		**5.5**		**7.16**		**4.26**	

Note:

EPA = Environmental Protection Agency
J = Reported value is an estimate
U = Analyte detected below the method detection limit.
ug/m3 = micrograms per cubic meter
Bold values indicate that the analyte was detected.

Table 2
Summary of Volatile Organic Compounds (VOCs) in Air/Vapor Samples
Immediate Soil Vapor Intrusion Investigation
Former Grumman Settling Ponds (NYSDEC Site No. 1-30-003A)
Bethpage, New York

Parameter List EPA Method TO-15	Property ID	Structure 03				Structure 04			
	Sample ID	1-30-003A-SS03		1-30-003A-BF03		1-30-003A-SS04		1-30-003A-BF04	
	Lab ID	L0711861-06		L0711861-07		L0711861-08		L0711861-09	
	Sample Type	Subslab Soil Vapor		Basement Indoor Air		Subslab Soil Vapor		Basement Indoor Air	
	Sample Date	8/14/2007		8/14/2007		8/14/2007		8/14/2007	
Acetone	(ug/m3)	**61.8**		**45.4**		**35.6**		**22.5**	
Benzene	(ug/m3)	**0.99**		0.638	U	**1.02**		0.638	U
Benzyl chloride	(ug/m3)	1.03	U	1.03	U	1.03	U	1.03	U
Bromodichloromethane	(ug/m3)	1.34	U	1.34	U	1.34	U	1.34	U
Bromoform	(ug/m3)	2.06	U	2.06	U	2.06	U	2.06	U
Bromomethane	(ug/m3)	0.776	U	0.776	U	0.776	U	0.776	U
1,3- Butadiene	(ug/m3)	0.442	U	0.442	U	0.442	U	0.442	U
2- Butanone	(ug/m3)	**8.24**		**3.12**		0.589	U	**2.24**	
Carbon disulfide	(ug/m3)	**0.859**		0.622	U	0.622	U	0.622	U
Carbon tetrachloride	(ug/m3)	1.26	U	1.26	U	1.26	U	1.26	U
Chlorobenzene	(ug/m3)	0.92	U	0.92	U	0.92	U	0.92	U
Chloroethane	(ug/m3)	0.527	U	0.527	U	0.527	U	0.527	U
Chloroform	(ug/m3)	**1.82**		0.976	U	**1.13**		0.976	U
Chloromethane	(ug/m3)	**0.951**		**1.25**		0.413	U	**1.19**	
3- Chloropropene	(ug/m3)	0.626	U	0.626	U	0.626	U	0.626	U
Cyclohexane	(ug/m3)	0.688	U	0.688	U	0.688	U	0.688	U
Dibromochloromethane	(ug/m3)	1.7	U	1.7	U	1.7	U	1.7	U
1,2- Dibromoethane	(ug/m3)	1.54	U	1.54	U	1.54	U	1.54	U
1,2- Dichlorobenzene	(ug/m3)	1.2	U	1.2	U	1.2	U	1.2	U
1,3- Dichlorobenzene	(ug/m3)	1.2	U	1.2	U	1.2	U	1.2	U
1,4- Dichlorobenzene	(ug/m3)	**20.5**		**22.2**		1.2	U	1.2	U
Dichlorodifluoromethane	(ug/m3)	**3.93**		**3.4**		**2.94**		**2.68**	
1,1- Dichloroethane	(ug/m3)	0.809	U	0.809	U	0.809	U	0.809	U
1,2- Dichloroethane	(ug/m3)	**1.18**		**1.61**		0.809	U	0.809	U
1,1- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
cis-1,2- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
trans-1,2- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
1,2- Dichloropropane	(ug/m3)	0.924	U	0.924	U	0.924	U	0.924	U
cis-1,3- Dichloropropene	(ug/m3)	0.907	U	0.907	U	0.907	U	0.907	U
trans-1,3- Dichloropropene	(ug/m3)	0.907	U	0.907	U	0.907	U	0.907	U
1,4- Dioxane	(ug/m3)	0.72	U	0.72	U	0.72	U	0.72	U
Ethyl Acetate	(ug/m3)	**1.45**		**4.95**		0.721	U	0.721	U
Ethylbenzene	(ug/m3)	**65.1**		**70.8**		0.868	U	0.868	U
4- Ethyltoluene	(ug/m3)	0.982	U	0.982	U	0.982	U	0.982	U
Freon-113	(ug/m3)	**3.15**		**1.53**	U	**1.84**		**1.53**	U
Freon-114	(ug/m3)	1.4	U	1.4	U	1.4	U	1.4	U
Heptane	(ug/m3)	**0.893**		0.819	U	**5.29**		0.819	U
Hexachlorobutadiene	(ug/m3)	2.13	U	2.13	U	2.13	U	2.13	U
n- Hexane	(ug/m3)	**0.88**		**0.704**	U	**1.68**		**0.817**	
2- Hexanone	(ug/m3)	0.819	U	0.819	U	0.819	U	0.819	U
Isopropanol	(ug/m3)	**6.09**		**32.7**		**2.7**		**3.02**	
Methyl tert butyl ether	(ug/m3)	0.72	U	0.72	U	0.72	U	0.72	U
4- Methyl-2-pentanone	(ug/m3)	**2.33**		0.819	U	0.819	U	0.819	U
Methylene chloride	(ug/m3)	**86.7**		**69**		**1.94**		**1.87**	
Propylene	(ug/m3)	**1.27**		**0.728**		**2.46**		0.344	U
Styrene	(ug/m3)	0.851	U	0.851	U	0.851	U	0.851	U
1,1,2,2- Tetrachloroethane	(ug/m3)	1.37	U	1.37	U	1.37	U	1.37	U
Tetrachloroethene	(ug/m3)	**4.39**		1.36	U	1.36	U	1.36	U
Tetrahydrofuran	(ug/m3)	**2.8**		0.59	U	0.59	U	0.59	U
Toluene	(ug/m3)	**265**		**312**		**14.9**		**2.94**	
1,2,4- Trichlorobenzene	(ug/m3)	1.48	U	1.48	U	1.48	U	1.48	U
1,1,1- Trichloroethane	(ug/m3)	**9.45**		1.09	U	**10.1**		1.09	U
1,1,2- Trichloroethane	(ug/m3)	1.09	U	1.09	U	1.09	U	1.09	U
Trichloroethene	(ug/m3)	**18**		1.07	U	**4.37**		1.07	U
Trichlorofluoromethane	(ug/m3)	**3.53**		**2.56**		**3.37**		**2.42**	
1,3,5- Trimethylbenzene	(ug/m3)	**1.23**		0.982	U	0.982	U	0.982	U
1,2,4- Trimethylbenzene	(ug/m3)	**3.12**		0.982	U	**1.12**		0.982	U
2,2,4- Trimethylpentane	(ug/m3)	0.934	U	0.934	U	0.934	U	0.934	U
Vinyl acetate	(ug/m3)	0.704	U	0.704	U	0.704	U	0.704	U
Vinyl bromide	(ug/m3)	0.874	U	0.874	U	0.874	U	0.874	U
Vinyl chloride	(ug/m3)	0.511	U	0.511	U	0.511	U	0.511	U
o- Xylene	(ug/m3)	**113**		**119**		0.868	U	0.868	U
p/m- Xylene	(ug/m3)	**318**		**335**		**1.83**		0.868	U

Note:

EPA = Environmental Protection Agency
J = Reported value is an estimate
U = Analyte detected below the method detection limit.
ug/m3 = micrograms per cubic meter
Bold values indicate that the analyte was detected.

Table 2
Summary of Volatile Organic Compounds (VOCs) in Air/Vapor Samples
Immediate Soil Vapor Intrusion Investigation
Former Grumman Settling Ponds (NYSDEC Site No. 1-30-003A)
Bethpage, New York

Parameter List EPA Method TO-15	Property ID	Structure 05				Structure 06			
	Sample ID	1-30-003A-SS05		1-30-003A-BF05		1-30-003A-SS06		1-30-003A-BF06	
	Lab ID	L0711861-22		L0711861-21		L0711861-12		L0711861-11	
	Sample Type	Subslab Soil Vapor		Basement Indoor Air		Subslab Soil Vapor		Basement Indoor Air	
	Sample Date	8/14/2007		8/14/2007		8/14/2007		8/14/2007	
Acetone	(ug/m3)	**41.2**		**116**		**54.1**		**46.8**	
Benzene	(ug/m3)	**4.59**		**5.6**		**1.48**		**1.02**	
Benzyl chloride	(ug/m3)	1.03	U	1.03	U	1.03	U	1.03	U
Bromodichloromethane	(ug/m3)	1.34	U	1.34	U	1.34	U	1.34	U
Bromoform	(ug/m3)	2.06	U	2.06	U	2.06	U	2.06	U
Bromomethane	(ug/m3)	0.776	U	0.776	U	0.776	U	0.776	U
1,3- Butadiene	(ug/m3)	0.442	U	0.442	U	0.442	U	0.442	U
2- Butanone	(ug/m3)	0.589	U	**5.16**		**7.55**		**5.93**	
Carbon disulfide	(ug/m3)	**1.04**		0.622	U	0.6	U	0.622	U
Carbon tetrachloride	(ug/m3)	**1.92**		**1.41**		**1.26**	U	1.26	U
Chlorobenzene	(ug/m3)	0.92	U	0.92	U	0.92	U	0.92	U
Chloroethane	(ug/m3)	0.527	U	0.527	U	0.527	U	0.527	U
Chloroform	(ug/m3)	**3.61**		**1.2**		0.976	U	0.976	U
Chloromethane	(ug/m3)	0.413	U	**1.27**		**1.27**		**1.16**	
3- Chloropropene	(ug/m3)	0.626	U	0.626	U	0.626	U	0.626	U
Cyclohexane	(ug/m3)	**0.96**		**1.25**		0.688	U	0.688	U
Dibromochloromethane	(ug/m3)	1.7	U	1.7	U	1.7	U	1.7	U
1,2- Dibromoethane	(ug/m3)	1.54	U	1.54	U	1.54	U	1.54	U
1,2- Dichlorobenzene	(ug/m3)	1.2	U	1.2	U	1.2	U	1.2	U
1,3- Dichlorobenzene	(ug/m3)	1.2	U	1.2	U	1.2	U	1.2	U
1,4- Dichlorobenzene	(ug/m3)	1.2	U	1.2	U	1.2	U	1.2	U
Dichlorodifluoromethane	(ug/m3)	**6.08**		0.988	U	**2.69**		**2.83**	
1,1- Dichloroethane	(ug/m3)	**1.46**		0.809	U	0.809	U	0.809	U
1,2- Dichloroethane	(ug/m3)	0.809	U	0.809	U	0.809	U	0.809	U
1,1- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
cis-1,2- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
trans-1,2- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
1,2- Dichloropropane	(ug/m3)	0.924	U	0.924	U	0.924	U	0.924	U
cis-1,3- Dichloropropene	(ug/m3)	0.907	U	0.907	U	0.907	U	0.907	U
trans-1,3- Dichloropropene	(ug/m3)	0.907	U	0.907	U	0.907	U	0.907	U
1,4- Dioxane	(ug/m3)	0.72	U	0.72	U	0.72	U	0.72	U
Ethyl Acetate	(ug/m3)	**2.21**		**12.8**		0.721	U	0.721	U
Ethylbenzene	(ug/m3)	**3.79**		**4.12**		**1.28**		0.868	U
4- Ethyltoluene	(ug/m3)	0.982	U	**1.49**		0.982	U	0.982	U
Freon-113	(ug/m3)	**5.52**		**1.53**	U	1.53	U	1.53	U
Freon-114	(ug/m3)	1.4	U	1.4	U	1.4	U	1.4	U
Heptane	(ug/m3)	**2.83**		**3.65**		**1.65**		0.819	U
Hexachlorobutadiene	(ug/m3)	2.13	U	2.13	U	2.13	U	2.13	U
n- Hexane	(ug/m3)	**5.25**		**7.55**		**1.31**		**0.718**	
2- Hexanone	(ug/m3)	0.819	U	0.819	U	0.819	U	0.819	U
Isopropanol	(ug/m3)	**4.6**		**63.9**		**5.63**		**3.82**	
Methyl tert butyl ether	(ug/m3)	0.72	U	0.72	U	0.72	U	0.72	U
4- Methyl-2-pentanone	(ug/m3)	0.819	U	0.819	U	0.819	U	0.819	U
Methylene chloride	(ug/m3)	**2.62**		**2.31**		**3.47**		**2.32**	
Propylene	(ug/m3)	0.344	U	0.344	U	**2.47**		**2.63**	
Styrene	(ug/m3)	0.851	U	0.851	U	0.851	U	0.851	U
1,1,2,2- Tetrachloroethane	(ug/m3)	1.37	U	1.37	U	1.37	U	1.37	U
Tetrachloroethene	(ug/m3)	**8.98**		**1.36**	U	1.36	U	1.36	U
Tetrahydrofuran	(ug/m3)	0.59	U	**1.18**		**1**		0.59	U
Toluene	(ug/m3)	**31.1**		**30.3**		**7.9**		**2.91**	
1,2,4- Trichlorobenzene	(ug/m3)	1.48	U	1.48	U	1.48	U	1.48	U
1,1,1- Trichloroethane	(ug/m3)	**19.6**		1.09	U	1.09	U	1.09	U
1,1,2- Trichloroethane	(ug/m3)	1.09	U	1.09	U	1.09	U	1.09	U
Trichloroethene	(ug/m3)	**68.7**		1.07	U	1.07	U	1.07	U
Trichlorofluoromethane	(ug/m3)	**6.73**		**9.04**		**11.8**		**13.5**	
1,3,5- Trimethylbenzene	(ug/m3)	**1.01**		**1.4**		0.982	U	0.982	U
1,2,4- Trimethylbenzene	(ug/m3)	**4.61**		**5.92**		0.982	U	0.982	U
2,2,4- Trimethylpentane	(ug/m3)	**4.01**		**4.87**		0.934	U	0.934	U
Vinyl acetate	(ug/m3)	0.704	U	0.704	U	0.704	U	0.704	U
Vinyl bromide	(ug/m3)	0.874	U	0.874	U	0.874	U	0.874	U
Vinyl chloride	(ug/m3)	0.511	U	0.511	U	0.511	U	0.511	U
o- Xylene	(ug/m3)	**4.62**		**5.42**		**1.03**		0.868	U
p/m- Xylene	(ug/m3)	**14.6**		**16.3**		**3.02**		**1.35**	

Note:

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ug/m3 = micrograms per cubic meter
Bold values indicate that the analyte was detected.

Table 2
Summary of Volatile Organic Compounds (VOCs) in Air/Vapor Samples
Immediate Soil Vapor Intrusion Investigation
Former Grumman Settling Ponds (NYSDEC Site No. 1-30-003A)
Bethpage, New York

Parameter List EPA Method TO-15	Property ID	Structure 07				Structure 08			
	Sample ID	1-30-003A-SS07		1-30-003A-BF07		1-30-003A-SS08		1-30-003A-BF08	
	Lab ID	L0711861-13		L0711861-14		L0711861-16		L0711861-17	
	Sample Type	Subslab Soil Vapor		Basement Indoor Air		Subslab Soil Vapor		Basement Indoor Air	
	Sample Date	8/14/2007		8/14/2007		8/14/2007		8/14/2007	
Acetone	(ug/m3)	>238		98.7		87.1		85.4	
Benzene	(ug/m3)	4.66		0.689		1.36		0.661	
Benzyl chloride	(ug/m3)	1.03	U	1.03	U	1.03	U	1.03	U
Bromodichloromethane	(ug/m3)	1.34	U	1.34	U	1.34	U	1.34	U
Bromoform	(ug/m3)	2.06	U	2.06	U	2.06	U	2.06	U
Bromomethane	(ug/m3)	0.776	U	0.776	U	0.776	U	0.776	U
1,3- Butadiene	(ug/m3)	4.2		0.442	U	2.5		0.442	U
2- Butanone	(ug/m3)	61.3		0.589	U	14		0.589	U
Carbon disulfide	(ug/m3)	0.806		0.622	U	0.622	U	0.622	U
Carbon tetrachloride	(ug/m3)	1.26	U	1.26	U	2.71		1.26	U
Chlorobenzene	(ug/m3)	0.92	U	0.92	U	0.92	U	0.92	U
Chloroethane	(ug/m3)	0.527	U	0.527	U	0.527	U	0.527	U
Chloroform	(ug/m3)	0.976	U	0.976	U	92		1.25	
Chloromethane	(ug/m3)	0.413	U	1.24		0.413	U	1.44	
3- Chloropropene	(ug/m3)	0.626	U	0.626	U	0.626	U	0.626	U
Cyclohexane	(ug/m3)	1.02		1.26		0.688	U	0.688	U
Dibromochloromethane	(ug/m3)	1.7	U	1.7	U	1.7	U	1.7	U
1,2- Dibromoethane	(ug/m3)	1.54	U	1.54	U	1.54	U	1.54	U
1,2- Dichlorobenzene	(ug/m3)	1.2	U	1.2	U	1.2	U	1.2	U
1,3- Dichlorobenzene	(ug/m3)	1.2	U	1.2	U	1.2	U	1.2	U
1,4- Dichlorobenzene	(ug/m3)	1.65		1.2	U	1.2	U	1.2	U
Dichlorodifluoromethane	(ug/m3)	2.72		3.11		2.9		3.03	
1,1- Dichloroethane	(ug/m3)	0.809	U	0.809	U	0.809	U	0.809	U
1,2- Dichloroethane	(ug/m3)	1.24		1.47		0.809	U	0.809	U
1,1- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
cis-1,2- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
trans-1,2- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
1,2- Dichloropropane	(ug/m3)	0.924	U	0.924	U	0.924	U	0.924	U
cis-1,3- Dichloropropene	(ug/m3)	0.907	U	0.907	U	0.907	U	0.907	U
trans-1,3- Dichloropropene	(ug/m3)	0.907	U	0.907	U	0.907	U	0.907	U
1,4- Dioxane	(ug/m3)	0.72	U	0.72	U	0.72	U	0.72	U
Ethyl Acetate	(ug/m3)	0.721	U	0.721	U	0.721	U	6.4	
Ethylbenzene	(ug/m3)	2.6		2.16		1.51		0.868	U
4- Ethyltoluene	(ug/m3)	0.982	U	0.982	U	0.982	U	0.982	U
Freon-113	(ug/m3)	1.53	U	1.53	U	2.5		1.53	U
Freon-114	(ug/m3)	1.4	U	1.4	U	1.4	U	1.4	U
Heptane	(ug/m3)	3.85		8.38		1.8		1.9	
Hexachlorobutadiene	(ug/m3)	2.13	U	2.13	U	2.13	U	2.13	U
n- Hexane	(ug/m3)	6.18		20.7		0.704	U	0.704	U
2- Hexanone	(ug/m3)	2.41		0.819	U	0.819	U	0.819	U
Isopropanol	(ug/m3)	31.4		0.491	U	7.81		0.491	U
Methyl tert butyl ether	(ug/m3)	0.72	U	0.72	U	0.72	U	0.72	U
4- Methyl-2-pentanone	(ug/m3)	10.8		9.71		2.55		0.819	U
Methylene chloride	(ug/m3)	3.36		8.9		26.2		20.3	
Propylene	(ug/m3)	15.9		0.344	U	8.11		0.344	U
Styrene	(ug/m3)	1.57		1.3		0.851	U	0.851	U
1,1,2,2- Tetrachloroethane	(ug/m3)	1.37	U	1.37	U	1.37	U	1.37	U
Tetrachloroethene	(ug/m3)	1.36	U	1.36	U	1.36	U	1.36	U
Tetrahydrofuran	(ug/m3)	4		3.3		4.64		9.02	
Toluene	(ug/m3)	30.6		27.6		9.81		4.49	
1,2,4- Trichlorobenzene	(ug/m3)	1.48	U	1.48	U	1.48	U	1.48	U
1,1,1- Trichloroethane	(ug/m3)	3.44		13.8		7.71		1.09	U
1,1,2- Trichloroethane	(ug/m3)	1.09	U	1.09	U	1.09	U	1.09	U
Trichloroethene	(ug/m3)	1.07	U	1.07	U	13.8		1.07	U
Trichlorofluoromethane	(ug/m3)	2.11		3.06		1.94		1.79	
1,3,5- Trimethylbenzene	(ug/m3)	0.982	U	0.982	U	0.982	U	0.982	U
1,2,4- Trimethylbenzene	(ug/m3)	2.37		1.43		1.84		0.982	U
2,2,4- Trimethylpentane	(ug/m3)	0.934	U	0.934	U	0.934	U	0.934	U
Vinyl acetate	(ug/m3)	0.704	U	0.704	U	0.704	U	0.704	U
Vinyl bromide	(ug/m3)	0.874	U	0.874	U	0.874	U	0.874	U
Vinyl chloride	(ug/m3)	0.511	U	0.511	U	0.511	U	0.511	U
o- Xylene	(ug/m3)	3.31		2.01		2.22		0.868	U
p/m- Xylene	(ug/m3)	9.35		7.15		5.02		1.74	

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Table 2
Summary of Volatile Organic Compounds (VOCs) in Air/Vapor Samples
Immediate Soil Vapor Intrusion Investigation
Former Grumman Settling Ponds (NYSDEC Site No. 1-30-003A)
Bethpage, New York

Parameter List EPA Method TO-15	Associated Property	Structures 01, 02 & 06		Structures 03, 04 & 05		Structure 07		Structure 08	
	Sample ID	1-30-003A-0A-81307-01		1-30-003A-0A-81307-02		1-30-003A-0A-81307-03		1-30-003A-0A-81307-04	
	Lab ID	L0711861-05		L0711861-10		L0711861-15		L0711861-18	
	Sample Type	Outdoor Air		Outdoor Air		Outdoor Air		Outdoor Air	
	Sample Date	8/14/2007		8/14/2007		8/14/2007		8/14/2007	
Acetone	(ug/m3)	0.475	U	15		23.4		12.7	
Benzene	(ug/m3)	0.638	U	0.67		0.638	U	0.638	U
Benzyl chloride	(ug/m3)	1.03	U	1.03	U	1.03	U	1.03	U
Bromodichloromethane	(ug/m3)	1.34	U	1.34	U	1.34	U	1.34	U
Bromoform	(ug/m3)	2.06	U	2.06	U	2.06	U	2.06	U
Bromomethane	(ug/m3)	0.776	U	0.776	U	0.776	U	0.776	U
1,3- Butadiene	(ug/m3)	0.442	U	0.442	U	0.442	U	0.442	U
2- Butanone	(ug/m3)	0.59		0.589	U	0.589	U	0.589	U
Carbon disulfide	(ug/m3)	0.622	U	0.622	U	0.622	U	0.622	U
Carbon tetrachloride	(ug/m3)	1.26	U	1.26	U	1.26	U	1.26	U
Chlorobenzene	(ug/m3)	0.92	U	0.92	U	0.92	U	0.92	U
Chloroethane	(ug/m3)	0.527	U	0.527	U	0.527	U	0.527	U
Chloroform	(ug/m3)	0.976	U	0.976	U	0.976	U	0.976	U
Chloromethane	(ug/m3)	0.862		1.26		1.14		1.1	
3- Chloropropene	(ug/m3)	0.626	U	0.626	U	0.626	U	0.626	U
Cyclohexane	(ug/m3)	0.688	U	0.688	U	0.688	U	0.688	U
Dibromochloromethane	(ug/m3)	1.7	U	1.7	U	1.7	U	1.7	U
1,2- Dibromoethane	(ug/m3)	1.54	U	1.54	U	1.54	U	1.54	U
1,2- Dichlorobenzene	(ug/m3)	1.2	U	1.2	U	1.2	U	1.2	U
1,3- Dichlorobenzene	(ug/m3)	1.2	U	1.2	U	1.2	U	1.2	U
1,4- Dichlorobenzene	(ug/m3)	1.2	U	1.2	U	1.2	U	1.2	U
Dichlorodifluoromethane	(ug/m3)	2.26		2.96		2.72		2.89	
1,1- Dichloroethane	(ug/m3)	0.809	U	0.809	U	0.809	U	0.809	U
1,2- Dichloroethane	(ug/m3)	0.809	U	0.809	U	0.809	U	0.809	U
1,1- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
cis-1,2- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
trans-1,2- Dichloroethene	(ug/m3)	0.792	U	0.792	U	0.792	U	0.792	U
1,2- Dichloropropane	(ug/m3)	0.924	U	0.924	U	0.924	U	0.924	U
cis-1,3- Dichloropropene	(ug/m3)	0.907	U	0.907	U	0.907	U	0.907	U
trans-1,3- Dichloropropene	(ug/m3)	0.907	U	0.907	U	0.907	U	0.907	U
1,4- Dioxane	(ug/m3)	0.72	U	0.72	U	0.72	U	0.72	U
Ethyl Acetate	(ug/m3)	0.721	U	0.721	U	0.721	U	0.721	U
Ethylbenzene	(ug/m3)	0.868	U	0.868	U	0.868	U	0.868	U
4- Ethyltoluene	(ug/m3)	0.982	U	0.982	U	0.982	U	0.982	U
Freon-113	(ug/m3)	1.53	U	1.53	U	1.53	U	1.53	U
Freon-114	(ug/m3)	1.4	U	1.4	U	1.4	U	1.4	U
Heptane	(ug/m3)	0.819	U	0.819	U	0.819	U	0.819	U
Hexachlorobutadiene	(ug/m3)	2.13	U	2.13	U	2.13	U	2.13	U
n- Hexane	(ug/m3)	0.704	U	1.46		0.704	U	0.704	U
2- Hexanone	(ug/m3)	0.819	U	0.819	U	0.819	U	0.819	U
Isopropanol	(ug/m3)	0.491	U	3.2		1.97		0.491	U
Methyl tert butyl ether	(ug/m3)	0.72	U	0.72	U	0.72	U	0.72	U
4- Methyl-2-pentanone	(ug/m3)	0.819	U	0.819	U	0.819	U	0.819	U
Methylene chloride	(ug/m3)	1.38		1.85		1.79		2.18	
Propylene	(ug/m3)	0.344	U	0.344	U	0.344	U	0.344	U
Styrene	(ug/m3)	0.851	U	0.851	U	0.851	U	0.851	U
1,1,2,2- Tetrachloroethane	(ug/m3)	1.37	U	1.37	U	1.37	U	1.37	U
Tetrachloroethene	(ug/m3)	1.36	U	1.36	U	1.36	U	1.36	U
Tetrahydrofuran	(ug/m3)	0.59	U	0.59	U	0.59	U	0.59	U
Toluene	(ug/m3)	0.753	U	1.95		0.926		0.753	U
1,2,4- Trichlorobenzene	(ug/m3)	1.48	U	1.48	U	1.48	U	1.48	U
1,1,1- Trichloroethane	(ug/m3)	1.09	U	1.09	U	1.09	U	1.09	U
1,1,2- Trichloroethane	(ug/m3)	1.09	U	1.09	U	1.09	U	1.09	U
Trichloroethene	(ug/m3)	1.07	U	1.07	U	1.07	U	1.07	U
Trichlorofluoromethane	(ug/m3)	1.31		1.76		1.72		1.72	
1,3,5- Trimethybenzene	(ug/m3)	0.982	U	0.982	U	0.982	U	0.982	U
1,2,4- Trimethylbenzene	(ug/m3)	0.982	U	0.982	U	0.982	U	0.982	U
2,2,4- Trimethylpentane	(ug/m3)	0.934	U	0.934	U	0.934	U	0.934	U
Vinyl acetate	(ug/m3)	0.704	U	0.704	U	0.704	U	0.704	U
Vinyl bromide	(ug/m3)	0.874	U	0.874	U	0.874	U	0.874	U
Vinyl chloride	(ug/m3)	0.511	U	0.511	U	0.511	U	0.511	U
o- Xylene	(ug/m3)	0.868	U	0.868	U	0.868	U	0.868	U
p/m- Xylene	(ug/m3)	0.868	U	0.868	U	0.868	U	0.868	U

Note:
EPA = Environmental Protection Agency
J = Reported value is an estimate
U = Analyte detected below the method detection limit.
ug/m3 = micrograms per cubic meter
Bold values indicate that the analyte was detected.

Table 2
Summary of Volatile Organic Compounds (VOCs) in Air/Vapor Samples
Immediate Soil Vapor Intrusion Investigation
Former Grumman Settling Ponds (NYSDEC Site No. 1-30-003A)
Bethpage, New York

Parameter List EPA Method TO-15	Associated Sample	1-30-003A-SS08		1-30-003A-BF07	
	Sample ID	1-30-003A-SS-DUP01		1-30-003A-BF-DUP01	
	Lab ID	L0711861-19		L0711861-20	
	Sample Type	Duplicate		Duplicate	
	Sample Date	8/14/2007		8/14/2007	
Acetone	(ug/m3)	**70**		**88.3**	
Benzene	(ug/m3)	**1.55**		**0.689**	
Benzyl chloride	(ug/m3)	1.03	U	1.03	U
Bromodichloromethane	(ug/m3)	1.34	U	1.34	U
Bromoform	(ug/m3)	2.06	U	2.06	U
Bromomethane	(ug/m3)	0.776	U	0.776	U
1,3- Butadiene	(ug/m3)	**2.3**		0.442	U
2- Butanone	(ug/m3)	**10.2**		0.589	U
Carbon disulfide	(ug/m3)	0.622	U	0.622	U
Carbon tetrachloride	(ug/m3)	**3.18**		1.26	U
Chlorobenzene	(ug/m3)	0.92	U	0.92	U
Chloroethane	(ug/m3)	0.527	U	0.527	U
Chloroform	(ug/m3)	**129**		0.976	U
Chloromethane	(ug/m3)	0.413	U	**1.06**	
3- Chloropropene	(ug/m3)	0.626	U	0.626	U
Cyclohexane	(ug/m3)	0.688	U	**1.22**	
Dibromochloromethane	(ug/m3)	1.7	U	1.7	U
1,2- Dibromoethane	(ug/m3)	1.54	U	1.54	U
1,2- Dichlorobenzene	(ug/m3)	1.2	U	1.2	U
1,3- Dichlorobenzene	(ug/m3)	1.2	U	1.2	U
1,4- Dichlorobenzene	(ug/m3)	1.2	U	1.2	U
Dichlorodifluoromethane	(ug/m3)	**2.41**		**2.57**	
1,1- Dichloroethane	(ug/m3)	0.809	U	0.809	U
1,2- Dichloroethane	(ug/m3)	0.809	U	**1.24**	
1,1- Dichloroethene	(ug/m3)	0.792	U	0.792	U
cis-1,2- Dichloroethene	(ug/m3)	0.792	U	0.792	U
trans-1,2- Dichloroethene	(ug/m3)	0.792	U	0.792	U
1,2- Dichloropropane	(ug/m3)	0.924	U	0.924	U
cis-1,3- Dichloropropene	(ug/m3)	0.907	U	0.907	U
trans-1,3- Dichloropropene	(ug/m3)	0.907	U	0.907	U
1,4- Dioxane	(ug/m3)	0.72	U	0.72	U
Ethyl Acetate	(ug/m3)	0.721	U	**13.8**	
Ethylbenzene	(ug/m3)	**1.13**		**1.54**	
4- Ethyltoluene	(ug/m3)	0.982	U	0.982	U
Freon-113	(ug/m3)	**2.24**		1.53	U
Freon-114	(ug/m3)	1.4	U	1.4	U
Heptane	(ug/m3)	**0.848**		**6.41**	
Hexachlorobutadiene	(ug/m3)	2.13	U	2.13	U
n- Hexane	(ug/m3)	0.704	U	**16.6**	
2- Hexanone	(ug/m3)	0.819	U	0.819	U
Isopropanol	(ug/m3)	**3.26**		**73.5**	
Methyl tert butyl ether	(ug/m3)	0.72	U	0.72	U
4- Methyl-2-pentanone	(ug/m3)	**1.04**		**7.49**	
Methylene chloride	(ug/m3)	**8.81**		**8.24**	
Propylene	(ug/m3)	**6.84**		0.344	U
Styrene	(ug/m3)	0.851	U	0.851	U
1,1,2,2- Tetrachloroethane	(ug/m3)	1.37	U	1.37	U
Tetrachloroethene	(ug/m3)	**2.47**		1.36	U
Tetrahydrofuran	(ug/m3)	**2.02**		**2.97**	
Toluene	(ug/m3)	**8.07**		**20.6**	
1,2,4- Trichlorobenzene	(ug/m3)	1.48	U	1.48	U
1,1,1- Trichloroethane	(ug/m3)	**9.39**		**11.7**	
1,1,2- Trichloroethane	(ug/m3)	1.09	U	1.09	U
Trichloroethene	(ug/m3)	**33.1**		1.07	U
Trichlorofluoromethane	(ug/m3)	**1.52**		**2.54**	
1,3,5- Trimethybenzene	(ug/m3)	0.982	U	0.982	U
1,2,4- Trimethylbenzene	(ug/m3)	**1.44**		0.982	U
2,2,4- Trimethylpentane	(ug/m3)	0.934	U	0.934	U
Vinyl acetate	(ug/m3)	0.704	U	0.704	U
Vinyl bromide	(ug/m3)	0.874	U	0.874	U
Vinyl chloride	(ug/m3)	0.511	U	0.511	U
o- Xylene	(ug/m3)	**1.54**		**1.49**	
p/m- Xylene	(ug/m3)	**3.66**		**4.78**	

Note:

EPA = Environmental Protection Agency
J = Reported value is an estimate
U = Analyte detected below the method detection limit.
ug/m3 = micrograms per cubic meter
Bold values indicate that the analyte was detected.

Table 3
Summary of Volatile Organic Compounds (VOCs) in Soil Vapor Samples
Immediate Soil Vapor Investigation
Former Grumman Settling Ponds (NYSDEC Site No. 1-30-003A)
Bethpage, New York

Parameter List EPA Method TO-15	Sample ID	1-30-003A-SV01		1-30-003A-SV02		1-30-003A-SV03		1-30-003A-SV04	
	Lab ID	L0711999-01		L0711999-02		L0711999-03		L0711999-04	
	Sample Depth	7.5 - 8 ft.		7.5 - 8 ft.		39.5 - 40 ft.		7.5 - 8 ft.	
	Sample Type	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor	
	Sample Date	8/16/2007		8/16/2007		8/16/2007		8/16/2007	
Acetone	(ug/m3)	**9.53**		**35.5**		0.811	U	**18.1**	
Benzene	(ug/m3)	**1.08**	J	**33.5**		**2.57**		**2.09**	
Benzyl chloride	(ug/m3)	1.8	U	1.81	U	1.77	U	1.8	U
Bromodichloromethane	(ug/m3)	2.33	U	2.35	U	2.29	U	2.33	U
Bromoform	(ug/m3)	3.6	U	3.62	U	3.53	U	3.59	U
Bromomethane	(ug/m3)	1.35	U	1.36	U	1.33	U	1.35	U
1,3- Butadiene	(ug/m3)	0.77	U	**4.87**		**2.12**		**1.8**	
2- Butanone	(ug/m3)	**1.75**		1.03	U	**15**		**6.2**	
Carbon disulfide	(ug/m3)	**0.548**	J	**7.34**		**2.11**		**0.947**	J
Carbon tetrachloride	(ug/m3)	2.19	U	2.2	U	**4.33**		2.19	U
Chlorobenzene	(ug/m3)	1.6	U	1.61	U	1.57	U	1.6	U
Chlorodifluoromethane	(ug/m3)	**22.4**		**7.04**		**236**		**814**	EJ
Chloroethane	(ug/m3)	**0.919**	U	**0.925**	U	0.901	U	**0.917**	U
Chloroform	(ug/m3)	**0.366**	J	**1.61**	J	**2.17**		**0.857**	J
Chloromethane	(ug/m3)	**0.658**	J	0.724	U	0.705	U	**0.718**	U
3- Chloropropene	(ug/m3)	1.09	U	1.1	U	1.07	U	1.09	U
Cyclohexane	(ug/m3)	1.2	U	**2.61**		**0.27**	J	1.2	U
Dibromochloromethane	(ug/m3)	2.97	U	2.99	U	2.91	U	2.96	U
1,2- Dibromoethane	(ug/m3)	2.68	U	2.69	U	2.62	U	2.67	U
1,2- Dichlorobenzene	(ug/m3)	2.09	U	2.11	U	2.05	U	2.09	U
1,3- Dichlorobenzene	(ug/m3)	2.09	U	2.11	U	2.05	U	2.09	U
1,4- Dichlorobenzene	(ug/m3)	2.09	U	2.11	U	**1.85**	J	2.09	U
Dichlorodifluoromethane	(ug/m3)	**3.44**		**3.27**		**526**		**84.5**	
1,1- Dichloroethane	(ug/m3)	1.41	U	1.42	U	1.38	U	1.41	U
1,2- Dichloroethane	(ug/m3)	1.41	U	1.42	U	1.38	U	1.41	U
1,1- Dichloroethene	(ug/m3)	1.38	U	1.39	U	1.35	U	1.38	U
cis-1,2- Dichloroethene	(ug/m3)	1.38	U	1.39	U	1.35	U	1.38	U
trans-1,2- Dichloroethene	(ug/m3)	1.38	U	1.39	U	1.35	U	1.38	U
1,2- Dichloropropane	(ug/m3)	1.61	U	1.62	U	1.58	U	1.61	U
cis-1,3- Dichloropropene	(ug/m3)	1.58	U	1.59	U	1.55	U	1.58	U
trans-1,3- Dichloropropene	(ug/m3)	1.58	U	1.59	U	1.55	U	1.58	U
1,4- Dioxane	(ug/m3)	1.26	U	1.26	U	1.23	U	1.25	U
Ethyl Acetate	(ug/m3)	1.26	U	1.26	U	1.23	U	1.25	U
Ethylbenzene	(ug/m3)	1.51	U	**18.6**		**3.31**		**0.754**	J
4- Ethyltoluene	(ug/m3)	1.71	U	**11.3**		**3.81**		1.71	U
Freon-113	(ug/m3)	2.67	U	2.69	U	2.62	U	2.66	U
Freon-114	(ug/m3)	2.43	U	2.45	U	2.39	U	2.43	U
Heptane	(ug/m3)	**1.46**		**17.1**		**1.76**		1.42	U
Hexachlorobutadiene	(ug/m3)	3.71	U	3.74	U	3.64	U	3.71	U
n- Hexane	(ug/m3)	**1.38**		**17.9**		**3.79**		**1.91**	
2- Hexanone	(ug/m3)	1.43	U	1.44	U	**0.224**	J	**0.199**	J
Isopropanol	(ug/m3)	**2.81**	J	**2.87**	J	**2.81**	J	**1.65**	J
Methyl tert butyl ether	(ug/m3)	1.26	U	**9.66**		**0.973**	J	1.25	U
4- Methyl-2-pentanone	(ug/m3)	1.43	U	1.44	U	**3.66**		1.42	U
Methylene chloride	(ug/m3)	**12.1**	J	**2.55**	J	**8.51**	J	**2.58**	J
Propylene	(ug/m3)	**9.33**		**56.8**		**21.7**		**6.25**	
Styrene	(ug/m3)	1.48	U	1.49	U	**0.807**	J	1.48	U
1,1,2,2- Tetrachloroethane	(ug/m3)	2.39	U	2.41	U	2.34	U	2.38	U
Tetrachloroethene	(ug/m3)	**4**		**6.4**		**15.6**		**4.9**	
Tetrahydrofuran	(ug/m3)	1.03	U	1.03	U	**3.59**		1.02	U
Toluene	(ug/m3)	**2.21**		**116**		**12.8**		**5.93**	
1,2,4- Trichlorobenzene	(ug/m3)	2.58	U	2.6	U	2.53	U	2.58	U
1,1,1- Trichloroethane	(ug/m3)	**0.323**	J	1.91	U	**0.96**	J	**2.43**	J
1,1,2- Trichloroethane	(ug/m3)	1.9	U	1.91	U	1.86	U	1.9	U
Trichloroethene	(ug/m3)	**2.43**		1.88	U	**0.505**	J	1.87	U
Trichlorofluoromethane	(ug/m3)	**9.52**	J	**7.55**	J	**5.19**	J	**8.63**	J
1,3,5- Trimethylbenzene	(ug/m3)	1.71	U	**12.7**		**2.86**		1.71	U
1,2,4- Trimethylbenzene	(ug/m3)	1.71	U	**34.9**		**17.4**		1.71	U
2,2,4- Trimethylpentane	(ug/m3)	**0.236**	J	**24.8**		**0.933**	J	1.62	U
Vinyl acetate	(ug/m3)	1.23	U	1.24	U	1.2	U	1.22	U
Vinyl bromide	(ug/m3)	1.52	U	1.53	U	1.49	U	1.52	U
Vinyl chloride	(ug/m3)	**0.89**	U	**0.896**	U	0.873	U	0.888	U
o- Xylene	(ug/m3)	1.51	U	**23.2**		**5.48**		1.51	U
p/m- Xylene	(ug/m3)	1.51	U	**67.9**		**13.6**		**1.1**	J

Note:

EPA = Environmental Protection Agency
EJ = Reported above the linear range and value is an estimate
J = Reported value is an estimate
U = Analyte detected below the method detection limit.
ug/m3 = micrograms per cubic meter
Bold values indicate that the analyte was detected.

Table 3
Summary of Volatile Organic Compounds (VOCs) in Soil Vapor Samples
Immediate Soil Vapor Investigation
Former Grumman Settling Ponds (NYSDEC Site No. 1-30-003A)
Bethpage, New York

Parameter List EPA Method TO-15	Sample ID	1-30-003A-SV05		1-30-003A-SV06		1-30-003A-SV07		1-30-003A-SV-DUP01[a]	
	Lab ID	L0711999-05		L0711999-06		L0711999-07		L0711999-08	
	Sample Depth	7.5 - 8 ft.		39.5 - 40 ft.		7.5 - 8 ft.		7.5 - 8 ft.	
	Sample Type	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor	
	Sample Date	8/16/2007		8/16/2007		8/16/2007		8/16/2007	
Acetone	(ug/m3)	30.2		40.2		22.5		0.871	U
Benzene	(ug/m3)	2.78		1.59		2.01		0.855	J
Benzyl chloride	(ug/m3)	1.8	U	1.8	U	1.91	U	1.9	U
Bromodichloromethane	(ug/m3)	2.33	U	2.33	U	2.48	U	2.46	U
Bromoform	(ug/m3)	3.59	U	3.59	U	3.82	U	3.79	U
Bromomethane	(ug/m3)	1.35	U	1.35	U	1.44	U	1.42	U
1,3- Butadiene	(ug/m3)	4.76		1.32		3.77	J	0.681	J
2- Butanone	(ug/m3)	6.12		6.56		3.96		1.08	U
Carbon disulfide	(ug/m3)	1.14		2.56		1.31		0.468	J
Carbon tetrachloride	(ug/m3)	2.19	U	2.19	U	2.32	U	2.31	U
Chlorobenzene	(ug/m3)	1.6	U	1.6	U	1.7	U	1.69	U
Chlorodifluoromethane	(ug/m3)	13,900	EJ	98,100	EJ	8,400	EJ	211	
Chloroethane	(ug/m3)	0.917	U	0.917	U	0.976	U	0.968	U
Chloroform	(ug/m3)	1.8		1.7	U	1.34	J	0.403	J
Chloromethane	(ug/m3)	0.718	U	0.718	U	0.355	J	0.757	U
3- Chloropropene	(ug/m3)	1.09	U	1.09	U	0.226	J	1.15	U
Cyclohexane	(ug/m3)	0.419	J	0.718	J	1.27	U	1.26	U
Dibromochloromethane	(ug/m3)	2.96	U	2.96	U	3.15	U	3.12	U
1,2- Dibromoethane	(ug/m3)	2.67	U	2.67	U	2.84	U	2.82	U
1,2- Dichlorobenzene	(ug/m3)	2.09	U	2.09	U	2.22	U	2.2	U
1,3- Dichlorobenzene	(ug/m3)	2.09	U	2.09	U	2.22	U	2.2	U
1,4- Dichlorobenzene	(ug/m3)	2.09	U	1.86	J	2.22	U	2.2	U
Dichlorodifluoromethane	(ug/m3)	638		4,160		320		5.28	
1,1- Dichloroethane	(ug/m3)	1.41	U	1.41	U	1.5	U	1.48	U
1,2- Dichloroethane	(ug/m3)	1.41	U	1.41	U	1.5	U	1.48	U
1,1- Dichloroethene	(ug/m3)	1.38	U	1.38	U	1.46	U	1.45	U
cis-1,2- Dichloroethene	(ug/m3)	1.38	U	1.38	U	1.46	U	1.45	U
trans-1,2- Dichloroethene	(ug/m3)	1.38	U	1.38	U	1.46	U	1.45	U
1,2- Dichloropropane	(ug/m3)	1.61	U	1.61	U	1.71	U	1.69	U
cis-1,3- Dichloropropene	(ug/m3)	1.58	U	1.58	U	1.68	U	1.66	U
trans-1,3- Dichloropropene	(ug/m3)	1.58	U	1.58	U	1.68	U	1.66	U
1,4- Dioxane	(ug/m3)	1.25	U	1.25	U	1.33	U	1.32	U
Ethyl Acetate	(ug/m3)	1.25	U	1.25	U	1.33	U	1.32	U
Ethylbenzene	(ug/m3)	0.453	J	2.84		0.305	J	1.59	U
4- Ethyltoluene	(ug/m3)	0.316	J	2.26		1.82	U	1.8	U
Freon-113	(ug/m3)	1.5	J	8.48		1.06	J	2.81	U
Freon-114	(ug/m3)	11.3		80.6		14.4		2.56	U
Heptane	(ug/m3)	3.05		1.54		1.98		0.939	J
Hexachlorobutadiene	(ug/m3)	3.71	U	3.71	U	3.94	U	3.91	U
n- Hexane	(ug/m3)	7.69		2.13		6.92	J	0.737	J
2- Hexanone	(ug/m3)	1.42	U	0.256	J	1.52	U	1.5	U
Isopropanol	(ug/m3)	0.769	J	1.55	J	1.95		0.901	UJ
Methyl tert butyl ether	(ug/m3)	1.25	U	1.25	U	1.33	U	1.32	U
4- Methyl-2-pentanone	(ug/m3)	1.42	U	1.52		1.51	U	1.5	U
Methylene chloride	(ug/m3)	1.91	J	3.5	J	2.23		2.23	J
Propylene	(ug/m3)	18.6		0.598	U	49.2	J	8.92	
Styrene	(ug/m3)	1.48	U	0.851	J	1.57	U	1.56	U
1,1,2,2- Tetrachloroethane	(ug/m3)	2.38	U	2.38	U	2.54	U	2.52	U
Tetrachloroethene	(ug/m3)	1.13	J	3.22		38.7		3.48	
Tetrahydrofuran	(ug/m3)	1.02	U	1.02	U	1.09	U	1.08	U
Toluene	(ug/m3)	2.85		11.4		5.66	J	2.24	U
1,2,4- Trichlorobenzene	(ug/m3)	2.58	U	2.58	U	2.74	U	2.72	U
1,1,1- Trichloroethane	(ug/m3)	0.702	J	3.24	J	3.75		0.44	J
1,1,2- Trichloroethane	(ug/m3)	1.9	U	1.9	U	2.02	U	2.0	U
Trichloroethene	(ug/m3)	1.87	U	1.76	J	1.99	U	1.88	J
Trichlorofluoromethane	(ug/m3)	10.8	J	34.9	J	19.7		2.06	U
1,3,5- Trimethylbenzene	(ug/m3)	0.828	J	2.02		1.82	U	1.8	U
1,2,4- Trimethylbenzene	(ug/m3)	1.34	J	10.3		0.436	J	1.8	U
2,2,4- Trimethylpentane	(ug/m3)	0.739	J	1.09	J	1.56	J	1.71	U
Vinyl acetate	(ug/m3)	1.22	U	1.22	U	1.3	U	1.29	U
Vinyl bromide	(ug/m3)	1.52	U	1.52	U	1.62	U	1.6	U
Vinyl chloride	(ug/m3)	0.888	U	0.888	U	0.945	U	0.937	U
o- Xylene	(ug/m3)	1.42	J	3.63		0.907	J	1.59	U
p/m- Xylene	(ug/m3)	1.8		8.71		0.947	J	1.59	U

Note:

(a) 1-30-003A-SV-DUP01 collected at 1-30-003A-SV01
EPA = Environmental Protection Agency
EJ = Reported above the linear range and value is an estimate
J = Reported value is an estimate
U = Analyte detected below the method detection limit.
ug/m3 = micrograms per cubic meter
Bold values indicate that the analyte was detected.