

Engineers Land Surveyors Planners Environmental & Safety Professionals Landscape Architects

April 21, 2017

Ms. Jamie Verrigni NYSDEC Division of Environmental Remediation 625 Broadway, 11th floor Albany, NY 12233-7014 sent via jamie.verrigni@dec.ny.gov

Re: Supplemental Remedial Investigation Report Lower South Street Redevelopment Area (BCP Site C360145) Peekskill, Westchester County, New York Chazen Job #81323.07

Dear Jamie:

The Chazen Companies (Chazen) has completed a Supplemental Remedial Investigation at the Lower South Street Redevelopment Area (LSS Site) to evaluate potential reuse options and/or disposal requirements for the soil stockpile located on the former L&L Site (1005 and 1009 LSS). Field sampling activities were conducted on March 30, 2017 and were performed consistent with the previously-approved Work Plans for the LSS Site. Sample analyses and frequencies were selected to be consistent with DER-10 Table 5.4(e)10, and potential disposal facility requirements. The field methods and analytical results are discussed below.

Soil Pile Volume Estimation

During preparation of the Supplement RI Work Plan, the soil pile was initially estimated to range from 5,000 to 2,300 cubic yards. Prior to collection of characterization samples, Chazen field personnel measured the pile and determined the soil pile to be 3,300 cubic yards, approximating the shape as a trapezoidal prism. The Work Plan sampling frequency was accordingly to reflect a maximum soil volume of 4,000 cubic yards.

Soil Sampling Approach

The soil pile was visually divided into 10 approximately equal subareas. Within each subarea, five approximately equidistant sampling point locations (two basal, two side-slope, and one top) were established and hand tools used to collect a sample from the 1 to 2-foot depth interval at these locations. One five point composite sample and one or two grab sample were collected from each of the ten representative subareas. A figure showing the soil pile and layout of the approximate sampling locations is attached.

Hudson Valley Office

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Capital District Office (518) 273-0055 North Country Office (518) 812-0513 Mr. Jamie Verrigni April 21, 2017 BCP C360145 Page 2

Sampling equipment was decontaminated prior to sampling, between each sampling location area, and after collection of the final sample.

Composite samples are identified by subarea (1 through 10), and grab samples are identified by subarea (1 through 10) and sampling point grid location (A through E).

The samples were analyzed for the following parameters, at the following frequencies, as per DER-10 reuse and waste disposal facility requirements:

			Reuse Option		Waste Dis	posal O _l	otions
<u>Lab Analytes</u>	QTY DER-10 Table 5.4(e)10 Reuse			Clean Earth New Jersey (1 sample /750 tons)	Environmental Soil Management of New York (2comp first 300 tons, 3rd comp first 750 tons, 1 additional comp every additional 750 tons)		
		#	Туре	Type #		#	Туре
TPH (DRO) 8015M	10					10	5-pt Composite
TPH (GRO) 8015M	10					10	5-pt Composite
TCL+10 VOCs 8260	23	13	Grab	8 Grab		10	5-pt Composite
TCL+20 SVOCs 8270	10	5	5-pt Composite	8	5-pt Composite	10	5-pt Composite
Total RCRA metals +Be, Cu, Ni, Sb, Tl, Zn, Va, Hex Cr if total Cr>190ppm	10	5	5-pt Composite	8	5-pt Composite	10	5-pt Composite
PCB 8082	10	5	5-pt Composite	8	5-pt Composite	10	5-pt Composite
Pesticides	5	5	5-pt Composite		5-pt Composite		
Reactivity, Ignitability, Corrosivity	8			8	5-pt Composite		
Cyanide	8			8	5-pt Composite		
Full TCLP (VOCs, SVOCs, RCRA Metals	10					5-pt Composite and	
+Cu, Ni, Zn, Pesticides, Herbicides)	10	l		8	Grab (VOCs only)	10	Grab (VOCs only)

Soil Sampling Results

Laboratory results and comparison to Part 375 Soil Cleanup Objectives (SCOs) for the sample analyses are provided in the attached data tables. Results include the following:

- Lead, cadmium, mercury, and copper were reported at concentrations greater than their respective Restricted-Residential Use SCOs (RRUSCOs) in the ten composite samples. Lead concentrations ranged from 626 to 1,740 ppm, cadmium concentrations ranged from 6.13 to 16.1 ppm, and mercury concentrations ranged from 0.244 to 2.06 ppm. Copper concentrations ranged from 252 to 2,570 ppm with the LSS-SP05-COMP sample reporting 23,900 ppm, which is almost two orders of magnitude greater than the RRUSCO (270 ppm).
- The TCLP result for lead was reported at 5.85 mg/L in the LSS-SP05-COMP sample, which exceeds the hazardous characteristic criteria limit of 5 mg/L. The TCLP results for the other nine samples ranged from 0.212 to 1.53 mg/L, and TCLP results for other analytes were less than their respective hazardous characteristic criteria limits.

Based on the elevated metal concentrations reported, the soil pile does not meet RRUSCO criteria for reuse on the property, and will require off-Site disposal. Chazen is currently evaluating waste disposal options and costs to remove the soil pile as part of the Site remedy.

Mr. Jamie Verrigni April 21, 2017 BCP C360145 Page 2

QA\QC Samples. Per NYSDEC, data validation and DUSRs are not necessary for the removal and off-site disposal of the impacted soil pile.

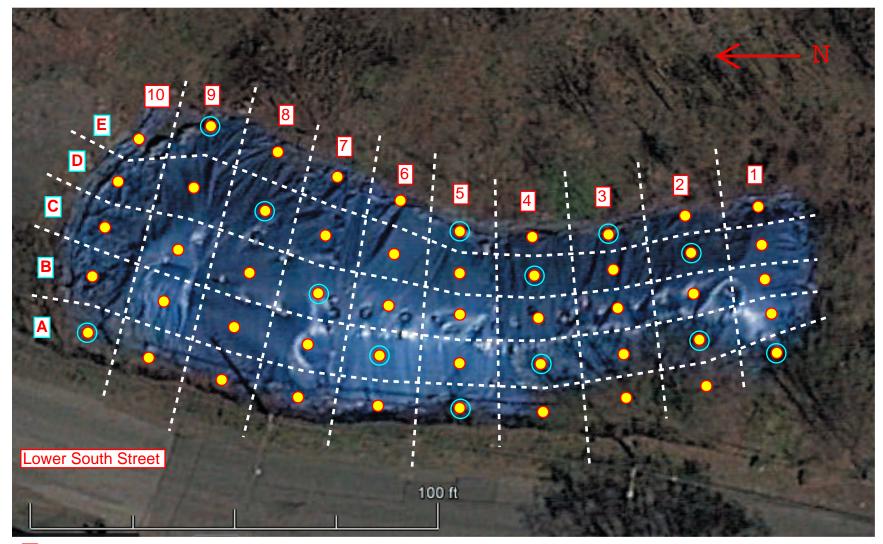
Please feel free to contact me at (518) 266-7328 if you have any questions.

Sincerely,

Arlette St. Romain

Director, Environmental Due Diligence and Brownfield Investigations

cc: Steven Berninger, NYSDOH Jim Pinto, City of Peekskill



- Composite Soil Sampling Areas
- Grab Soil Sample Grid

- Composite Soil Sample Location
- Grab Soil Sample Location



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Connecticut: 914 Hartford Turnpike, Waterford, CT 06385 Phone: (860) 440-2690

SOIL PILE SAMPLING LOCATION MAP

Lower South Street Redevelopment Area NYSDEC BCP Site No. C360145 City of Peekskill, Westchester County, New York

2016 Google Earth Imagery

Date:

4/17/2017

Scale:

Scale Bar

Project #: 81323.07

Customer ID : CHAZ02, Customer Name : Chazen Companies, Project ID : 81323.07 Karta Summary for Order I2495

Soil Criteria

SamplingDate	Sample		[NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)]	[NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)]	Comment
3/30/2017	LSS-SP01-COMP - I249	X	X	\boxtimes	METALs, PCB
3/30/2017	LSS-SP01-COMPRE - I	X	X	\boxtimes	METALs, PCB
3/30/2017	LSS-SP01-GRAB(A) - I2	✓	✓	✓	
3/30/2017	LSS-SP01-GRAB(A)RE	✓	✓	✓	
3/30/2017	LSS-SP02-COMP - I249	X	X	\boxtimes	METALs, PCB
3/30/2017	LSS-SP02-COMPRE - I	X	\boxtimes	\boxtimes	METALs, PCB
3/30/2017	LSS-SP02-GRAB(B) - I2	✓	✓	✓	
3/30/2017	LSS-SP02-GRAB(B)RE	✓	✓	✓	
3/30/2017	LSS-SP02-GRAB(D) - I2	✓	✓	✓	
3/30/2017	LSS-SP02-GRAB(D)RE	✓	✓	✓	
3/30/2017	LSS-SP03-COMP - I249	X	X	\boxtimes	METALs, PCB
3/30/2017	LSS-SP03-COMPRE - I	X	X	\boxtimes	METALs, PCB
3/30/2017	LSS-SP03-GRAB(E) - I2	✓	✓	✓	
3/30/2017	LSS-SP03-GRAB(E)RE	✓	✓	✓	
3/30/2017	LSS-SP04-COMP - I249	X	\boxtimes	\boxtimes	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP04-COMPRE - I	X	X	\boxtimes	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP04-GRAB(B) - I2	✓	✓	✓	
3/30/2017	LSS-SP04-GRAB(D) - I2	✓	✓	✓	
3/30/2017	LSS-SP04-GRAB(D)RE	✓	✓	✓	
3/30/2017	LSS-SP01-COMP - I249	\boxtimes	\boxtimes	\boxtimes	METALs, PCB
3/30/2017	LSS-SP02-COMP - I249	\boxtimes	\boxtimes	\boxtimes	METALs, PCB
3/30/2017	LSS-SP03-COMP - I249	\boxtimes	\boxtimes	\boxtimes	METALs, PCB
3/30/2017	LSS-SP04-COMP - I249	X	\boxtimes	\boxtimes	METALs, PCB, SVOC-TCL BNA -20

TCLP Criteria

SamplingDate	Sample	Contaminant Concentrations (40 CFR 261 6/96)]	Comment
3/30/2017	LSS-SP01-COMP	✓	
3/30/2017	LSS-SP01-GRAB(A)	✓	
3/30/2017	LSS-SP02-COMP	✓	
3/30/2017	LSS-SP02-GRAB(D)	✓	
3/30/2017	LSS-SP03-COMP	✓	
3/30/2017	LSS-SP03-GRAB(E)	✓	
3/30/2017	LSS-SP04-COMP	✓	
3/30/2017	LSS-SP04-GRAB(D)	✓	

Chlorobenzene

Ethyl Benzene

m/p-Xylenes

o-Xylene

Styrene

108-90-7

100-41-4

95-47-6

100-42-5

179601-23-

100

30

100

100

41

100

1.1

1

0.26

284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 789-8922 www.chemtech.net

The comparison of the regulatory limits in this report reflect the current Chemtech Consulting Group Inc. knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

NY SCO -Residential w/CP-51 Residential w/CP-51 NY SCO -LSS-SP01-LSS-SP01-LSS-SP01-LSS-SP02-LSS-SP02-LSS-SP02-LSS-SP02-LSS-SP02-LSS-SP03-(10/10) (6 NYCRR (10/10) (6 NYCRR NYCRR 375-6 12/06) LSS-SP01-COMP GRAB(A) GRAB(A)RE LSS-SP02-COMP GRAB(B) GRAB(D) GRAB(D)RE LSS-SP03-COME COMPRE 375-6 12/06) 375-6 12/06 Sample ID 12495-01 I2495-01RE 12495-02 I2495-02RE 12495-03 I2495-03RE 12495-04 12495-04RE 12495-05 12495-05RE 12495-06 12495-06RE Lab Sample Number 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 Sampling Date SOIL Matrix mg/kg Units COMPOUND CAS# 75-71-8 0.0062 U 0.0058 U 0.0058 U 0.0057 U 0.0056 U 0.0063 U 0.0053 U 0.005 U 0.0055 U 0.006 U 0.0052 U 0.0054 U Dichlorodifluoromethane Chloromethane 74-87-3 0.0062 U 0.0058 U 0.0058 U 0.0057 U 0.0056 U 0.0063 U 0.0053 U 0.005 U 0.0055 U 0.006 U 0.0052 U 0.0054 U 0.0063 U 0.0052 U Vinvl Chloride 75-01-4 0.21 0.9 0.02 0.0062 U 0.0058 U 0.0058 U 0.0057 U 0.0056 U 0.0053 H 0.005 U 0.0055 U 0.006 U 0.0054 U 74-83-9 0.0062 U 0.0058 U 0.0058 U 0.0057 U 0.0056 U 0.0063 U 0.0053 U 0.005 U 0.0055 U 0.006 U 0.0052 U 0.0054 U Chloroethane 75-00-3 0.0062 U 0.0058 U 0.0058 U 0.0057 U 0.0056 U 0.0063 U 0.0053 U 0.005 U 0.0055 U 0.006 U 0.0052 U 0.0054 U 0.0062 U 0.0058 U 0.0057 U 0.0056 U 0.0063 U 0.005 U 0.0055 U 0.006 U 75-69-4 0.0058 U 0.0053 U 0.0052 U 0.0054 U Trichlorofluoromethane 1.1.2-Trichlorotrifluoroethane 76-13-1 100 0.0062 U 0.0058 U 0.0058 U 0.0057 U 0.0056 U 0.0063 U 0.0053 U 0.005 U 0.0055 U 0.006 U 0.0052 U 0.0054 U 1.1-Dichloroethene 75-35-4 100 100 0.33 0.0062 U 0.0058 U 0.0058 U 0.0057 U 0.0056 U 0.0063 U 0.0053 U 0.005 U 0.0055 U 0.006 U 0.0052 U 0.0054 U 67-64-1 100 100 0.05 0.0312 U 0.0289 U 0.0292 U 0.0283 U 0.028 U 0.0316 U 0.0266 U 0.0248 U 0.0274 U 0.0301 U 0.0262 U 0.0272 U Acetone Carbon Disulfide 75-15-0 100 0.0062 U 0.0058 U 0.0058 U 0.0057 U 0.0056 U 0.0063 U 0.0053 U 0.005 U 0.0055 U 0.006 U 0.0052 U 0.0054 U 1634-04-4 62 100 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NY SCO - Restricted

		NT SCO -	Restricted														
		Residential w/CP-5	1 Residential w/CP-5	51 NY SCO -													
		(10/10) (6 NYCRR	(10/10) (6 NYCRR	Unrestricted Use (6			LSS-SP01-	LSS-SP01-	LSS-SP01-		LSS-SP02-	LSS-SP02-	LSS-SP02-	LSS-SP02-	LSS-SP02-		LSS-SP03-
Sample ID		375-6 12/06)	375-6 12/06)	NYCRR 375-6 12/06)	LSS-SP01	-COMP	COMPRE	GRAB(A)	GRAB(A)RE	LSS-SP02-COMP	COMPRE	GRAB(B)	GRAB(B)RE	GRAB(D)	GRAB(D)RE	LSS-SP03-COMP	COMPRE
Lab Sample Number					12495-01		I2495-01RE	12495-02	I2495-02RE	12495-03	I2495-03RE	12495-04	I2495-04RE	12495-05	I2495-05RE	12495-06	12495-06RE
Sampling Date					3/30/2017		3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix		SOIL	SOIL	SOIL	SOIL		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Bromoform	75-25-2					0.0062 U	0.0058 L	0.0058 L	J 0.0057 l	J 0.0056	U 0.0063	U 0.0053	U 0.005	U 0.0055	U 0.006	U 0.0052	U 0.0054 U
Isopropylbenzene	98-82-8	100				0.0062 U	0.0058 L	0.0058 L	J 0.0057 l	J 0.0056	U 0.0063	U 0.0053	U 0.005	U 0.0055	U 0.006	U 0.0052	U 0.0054 U
1,1,2,2-Tetrachloroethane	79-34-5	35				0.0062 U	0.0058 L	0.0058 L	J 0.0057 l	J 0.0056	U 0.0063	U 0.0053	U 0.005	U 0.0055	U 0.006	U 0.0052	U 0.0054 U
1,3-Dichlorobenzene	541-73-1	17	49	2.4		0.0062 U	0.0058 L	0.0058 L	J 0.0057 l	J 0.0056	U 0.0063	U 0.0053	U 0.005	U 0.0055	U 0.006	U 0.0052	U 0.0054 U
1,4-Dichlorobenzene	106-46-7	9.8	13	1.8		0.0062 U	0.0058 L	0.0058 L	J 0.0057 l	0.0056	U 0.0063	U 0.0053	U 0.005	U 0.0055	U 0.006	U 0.0052	U 0.0054 U
1,2-Dichlorobenzene	95-50-1	100	100	1.1		0.0062 U	0.0058 L	0.0058 L	J 0.0057 l	0.0056	U 0.0063	U 0.0053	U 0.005	U 0.0055	U 0.006	U 0.0052	U 0.0054 U
1,2-Dibromo-3-Chloropropane	96-12-8					0.0062 U	0.0058 L	0.0058 L	J 0.0057 l	J 0.0056	U 0.0063	U 0.0053	U 0.005	U 0.0055	U 0.006	U 0.0052	U 0.0054 U
1,2,4-Trichlorobenzene	120-82-1					0.0062 U	0.0058 L	0.0058 L	J 0.0057 L	J 0.0056	U 0.0063	U 0.0053	U 0.005	U 0.0055	U 0.006	U 0.0052	U 0.0054 U

0.0058 U

0.0057 U

0.0056 U

0.0063 U

0.0053 U

0.005 U

0.0055 U

0.006 U

0.0052 U

0.0054 U

0.0058 U

0.0062 U

Total TICs

1,2,3-Trichlorobenzene

Qualifiers

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

87-61-6

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

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

 The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 789

The comparison of the regulatory limits in this report reflect the current Chemtech guidance for the user. Please consult appropriate regulations and cleanup standa

NY SCO - Restricted

		NY SCO -	Restricted								
		Residential w/CP-51 (10/10) (6 NYCRR	Residential w/CP-51 (10/10) (6 NYCRR		LSS-SP03-	LSS-SP03-		LSS-SP04-	LSS-SP04-	LSS-SP04-	LSS-SP04-
Sample ID		375-6 12/06)	375-6 12/06)	NYCRR 375-6 12/06)		GRAB(E)RE	LSS-SP04-COMP	COMPRE	GRAB(B)	GRAB(D)	GRAB(D)RE
Lab Sample Number					12495-07	12495-07RE	12495-08	I2495-08RE	12495-09	12495-10	I2495-10RE
Sampling Date					3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND	CAS#										
Dichlorodifluoromethane	75-71-8				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Chloromethane	74-87-3				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Vinyl Chloride	75-01-4	0.21	0.9	0.02	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Bromomethane	74-83-9				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Chloroethane	75-00-3				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Trichlorofluoromethane	75-69-4				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
1,1,2-Trichlorotrifluoroethane	76-13-1	100			0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
1,1-Dichloroethene	75-35-4	100	100	0.33	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Acetone	67-64-1	100	100	0.05	0.0284 U	0.0255 U	0.0262 U	0.025 U	0.0275 U	0.0246 U	0.0245 U
Carbon Disulfide	75-15-0	100			0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Methyl tert-butyl Ether	1634-04-4	62	100	0.93	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Methyl Acetate	79-20-9				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Methylene Chloride	75-09-2	51	100	0.05	0.0049 J	0.0014 J	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
trans-1,2-Dichloroethene	156-60-5	100	100	0.19	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
1,1-Dichloroethane	75-34-3	19	26	0.27	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Cyclohexane	110-82-7				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
2-Butanone	78-93-3	100	100	0.12	0.0284 U	0.0255 U	0.0262 U	0.025 U	0.0275 U	0.0246 U	0.0245 U
Carbon Tetrachloride	56-23-5	1.4	2.4	0.76	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
cis-1,2-Dichloroethene	156-59-2	59	100	0.25	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Bromochloromethane	74-97-5				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Chloroform	67-66-3	10	49	0.37	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
1,1,1-Trichloroethane	71-55-6	100	100	0.68	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Methylcyclohexane	108-87-2				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Benzene	71-43-2	2.9	4.8	0.06	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
1,2-Dichloroethane	107-06-2	2.3	3.1	0.02	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Trichloroethene	79-01-6	10	21	0.47	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
1,2-Dichloropropane	78-87-5				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Bromodichloromethane	75-27-4				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
4-Methyl-2-Pentanone	108-10-1				0.0284 U	0.0255 U	0.0262 U	0.025 U	0.0275 U	0.0246 U	0.0245 U
	108-88-3	100	100	0.7	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
	10061-02-6				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
	10061-01-5				0.0057 U	0.0051 U				0.0049 U	0.0049 U
1,1,2-Trichloroethane	79-00-5				0.0057 U	0.0051 U			0.0055 U	0.0049 U	0.0049 U
	591-78-6				0.0284 U	0.0255 U				0.0246 U	0.0245 U
	124-48-1				0.0057 U	0.0051 U				0.0049 U	0.0049 U
	106-93-4				0.0057 U	0.0051 U				0.0049 U	0.0049 U
	127-18-4	5.5		1.3	0.0024 J	0.0013 J	0.0015 J	0.0012 J	0.0055 U	0.0049 U	0.0049 U
	108-90-7	100		1.1	0.0057 U	0.0051 U				0.0049 U	0.0049 U
•	100-41-4	30	41	1	0.0057 U	0.0051 U				0.0049 U	0.0049 U
• •	179601-23-1				0.0114 U	0.0102 U				0.0098 U	0.0098 U
•	95-47-6	100	100	0.26	0.0057 U	0.0051 U				0.0049 U	0.0049 U
Styrene	100-42-5				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U

NY SCO - Restricted

Residential w/CP-51 Residential w/CP-51	1 NY SCO -	
(10/10) (6 NYCRR (10/10) (6 NYCRR	Unrestrict	e

		(10/10) (6 NYCRR	(10/10) (6 NYCRR	Unrestricted Use (6	LSS-SP03-	LSS-SP03-		LSS-SP04-	LSS-SP04-	LSS-SP04-	LSS-SP04-
Sample ID		375-6 12/06)	375-6 12/06)	NYCRR 375-6 12/06)	GRAB(E)	GRAB(E)RE	LSS-SP04-COMP	COMPRE	GRAB(B)	GRAB(D)	GRAB(D)RE
Lab Sample Number					12495-07	I2495-07RE	12495-08	I2495-08RE	12495-09	I2495-10	I2495-10RE
Sampling Date					3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Bromoform	75-25-2				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
Isopropylbenzene	98-82-8	100			0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
1,1,2,2-Tetrachloroethane	79-34-5	35			0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
1,3-Dichlorobenzene	541-73-1	17	49	2.4	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
1,4-Dichlorobenzene	106-46-7	9.8	13	1.8	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
1,2-Dichlorobenzene	95-50-1	100	100	1.1	0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
1,2-Dibromo-3-Chloropropane	96-12-8				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
1,2,4-Trichlorobenzene	120-82-1				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U
1,2,3-Trichlorobenzene	87-61-6				0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U

Total TICs

Qualifiers

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

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

- J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quant The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contaming
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is gi
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interfe
- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analy
- E (Inorganics) The reported value is estimated because of the presence of interference.
- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibrati
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

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		(10/10) (6 NYCRR	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR	NY SCO - Unrestricted Use (6			1.00 0D00 00MD		
Sample ID		375-6 12/06)	375-6 12/06)	NYCRR 375-6 12/06)	LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP	•
Lab Sample Number					12495-01	12495-03	12495-06	12495-08	
Sampling Date		2011	0011	0011	3/30/2017	3/30/2017	3/30/2017	3/30/2017	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
	CAS#								
•	100-52-7				1.6 U	0.46 J	2 U		1.9 U
		100	100	0.33	1.6 U	2 U	2 U		1.9 U
` ,	111-44-4				1.6 U	2 U	2 U		1.9 U
•		100			1.6 U	2 U	2 U		1.9 U
		100	100	0.33	1.6 U	2 U	2 U		1.9 U
, , , , , ,	108-60-1				1.6 U	2 U	2 U		1.9 U
•	98-86-2				1.6 U	2 U	2 U		1.9 U
* *	65794-96-9				1.6 U	2 U	2 U		1.9 U
	621-64-7				1.6 U	2 U	2 U		1.9 U
	67-72-1				1.6 U	2 U	2 U		1.9 U
		3.7	15		1.6 U	2 U	2 U		1.9 U
•		100			1.6 U	2 U	2 U		1.9 U
•	88-75-5				1.6 U	2 U	2 U		1.9 U
2,4-Dimethylphenol	105-67-9				1.6 U	2 U	2 U		1.9 U
bis(2-Chloroethoxy)methane	111-91-1				1.6 U	2 U	2 U	•	1.9 U
2,4-Dichlorophenol	120-83-2	100			1.6 U	2 U	2 U		1.9 U
Naphthalene	91-20-3	100	100	12	1.6 U	2 U	2 U		1.9 U
4-Chloroaniline	106-47-8	100			1.6 U	2 U	2 U	•	1.9 U
Hexachlorobutadiene	87-68-3				1.6 U	2 U	2 U	•	1.9 U
Caprolactam	105-60-2				1.6 U	2 U	2 U		1.9 U
4-Chloro-3-methylphenol	59-50-7				1.6 U	2 U	2 U		1.9 U
2-Methylnaphthalene	91-57-6	0.41			1.6 U	2 U	2 U		1.9 U
Hexachlorocyclopentadiene	77-47-4				1.6 U	2 U	2 U		1.9 U
2,4,6-Trichlorophenol	88-06-2				1.6 U	2 U	2 U	•	1.9 U
2,4,5-Trichlorophenol	95-95-4	100			1.6 U	2 U	2 U		1.9 U
1,1-Biphenyl	92-52-4				1.6 U	2 U	2 U	•	1.9 U
2-Chloronaphthalene	91-58-7				1.6 U	2 U	2 U		1.9 U
2-Nitroaniline	88-74-4				1.6 U	2 U	2 U		1.9 U
Dimethylphthalate	131-11-3	100			1.6 U	2 U	2 U		1.9 U

NY SCO -NY SCO - Restricted Residential w/CP-51 Residential w/CP-51 NY SCO -(10/10) (6 NYCRR (10/10) (6 NYCRR **Unrestricted Use (6** LSS-SP01-COMP LSS-SP02-COMP LSS-SP03-COMP LSS-SP04-COMP 375-6 12/06) 375-6 12/06) NYCRR 375-6 12/06) Sample ID 12495-03 12495-01 12495-06 12495-08 Lab Sample Number 3/30/2017 3/30/2017 3/30/2017 3/30/2017 Sampling Date SOIL SOIL SOIL SOIL SOIL SOIL SOIL Matrix mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg Units COMPOUND CAS# Acenaphthylene 208-96-8 100 100 100 1.6 U 2 U 2 U 1.9 U 2,6-Dinitrotoluene 606-20-2 1.03 1.6 U 2 U 2 U 1.9 U 1.6 U 2 U 2 U 1.9 U 3-Nitroaniline 99-09-2 Acenaphthene 100 83-32-9 100 20 1.6 U 2 U 2 U 1.9 U 2.4-Dinitrophenol 51-28-5 100 1.6 U 2 U 2 U 1.9 U 2 U 100-02-7 1.6 U 2 U 1.9 U 4-Nitrophenol 59 1.9 U Dibenzofuran 132-64-9 14 1.6 U 2 U 2 U 2,4-Dinitrotoluene 121-14-2 1.6 U 2 U 2 U 1.9 U Diethylphthalate 84-66-2 100 1.6 U 2 U 2 U 1.9 U 1.6 U 2 U 2 U 1.9 U 4-Chlorophenyl-phenylether 7005-72-3 30 2 U 2 U 1.9 U Fluorene 86-73-7 100 100 1.6 U 2 U 1.9 U 4-Nitroaniline 100-01-6 1.6 U 2 U 4,6-Dinitro-2-methylphenol 534-52-1 1.6 U 2 U 2 U 1.9 U n-Nitrosodiphenylamine 86-30-6 1.6 U 2 U 2 U 1.9 U 4-Bromophenyl-phenylether 101-55-3 1.6 U 2 U 2 U 1.9 U Hexachlorobenzene 118-74-1 0.41 1.2 0.33 1.6 U 2 U 2 U 1.9 U Atrazine 1912-24-9 1.6 U 2 U 2 U 1.9 U Pentachlorophenol 87-86-5 2.4 6.7 0.8 1.6 U 2 U 2 U 1.9 U Phenanthrene 85-01-8 100 100 100 1.6 U 0.86 J 2 U 1.9 U 100 100 100 1.6 U 2 U 2 U 1.9 U Anthracene 120-12-7 2 U Carbazole 86-74-8 1.6 U 2 U 1.9 U Di-n-butvlphthalate 84-74-2 100 1.6 U 2 U 2 U 1.9 U Fluoranthene 206-44-0 100 100 100 **0.37** J **0.97** J **0.6** J 0.64 J 129-00-0 100 100 100 0.44 J **0.57** J **0.81** J Pyrene **1.1** J **1.1** J Butylbenzylphthalate 85-68-7 100 0.62 J **1.3** J **1.1** J 1.6 U 2 U 2 U 1.9 U 3,3-Dichlorobenzidine 91-94-1 56-55-3 1.6 U **0.58** J 2 U **0.47** J Benzo(a)anthracene 1 Chrysene 218-01-9 1 3.9 1 1.6 U 0.64 J **0.4** J 0.49 J Bis(2-ethylhexyl)phthalate 117-81-7 50 **0.68** J **1.5** J **0.96** J **1.2** J Di-n-octyl phthalate 117-84-0 100 1.6 U 2 U 2 U 1.9 U Benzo(b)fluoranthene 205-99-2 1 1 1 0.44 J 0.82 J **0.67** J **0.73** J 207-08-9 3.9 0.8 1.6 U 2 U 2 U 1.9 U Benzo(k)fluoranthene 1 50-32-8 1 1 0.33 J 0.61 J 0.43 J 0.57 J Benzo(a)pyrene 1 0.5 1.6 U 2 U 2 U **0.52** J Indeno(1,2,3-cd)pyrene 193-39-5 0.5 0.5 2 U Dibenzo(a,h)anthracene 53-70-3 0.33 0.33 0.33 1.6 U 2 U 1.9 U

Sample ID		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)		LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
Lab Sample Number					12495-01	12495-03	12495-06	12495-08
Sampling Date					3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND	CAS#							
Benzo(g,h,i)perylene	191-24-2	100	100	100	0.38	0.64 J	0.5 J	0.73 J
1,2,4,5-Tetrachlorobenzene	95-94-3				1.6 U	J 2 L	J 2 L	1.9 U
1,4-Dioxane	123-91-1	9.8	13	0.1	1.6 U	J 2 L	J 2 L	1.9 U
2,3,4,6-Tetrachlorophenol	58-90-2				1.6 U	J 2 L	J 2 L	1.9 U

Total TICs 2.7 41.61 3 4.7

Qualifiers

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

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

- Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
 The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

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NY SCO - Restricted

Residential w/CP-51 Residential w/CP-51 NY SCO -

(10/10) (6 NYCRR (10/10) (6 NYCRR Unrestricted Use (6

LSS-SP01-COMP LSS-SP02-COMP LSS-SP03-COMP LSS-SP04-COMP 375-6 12/06) 375-6 12/06) NYCRR 375-6 12/06) Sample ID 12495-11 12495-12 12495-13 12495-14 Lab Sample Number 3/30/2017 3/30/2017 Sampling Date 3/30/2017 3/30/2017 SOIL SOIL SOIL SOIL SOIL SOIL SOIL Matrix Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg

COMPOUND CAS #

 Reactive Sulfide
 RESU
 28.6
 36.6
 46
 42.7

Total TICs

Qualifiers

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- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
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Sample ID		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)		LSS-SP01-COMP	LSS-SP02-CO	MP LSS-SP03-C0	MP LSS-SP04-0	COMP
Lab Sample Number					I2495-11	12495-12	12495-13	12495-14	
Sampling Date					3/30/2017	3/30/2017	3/30/2017	3/30/2017	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
COMPOUND	CAS#								
Reactive Cyanide	RECY				0.	05 U	0.05 U	0.05 U	0.05 U

Total TICs

Qualifiers

- U The compound was not detected at the indicated concentration.
- N (Organics) Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

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

 The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

Sample ID

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NYCRR 375-6 12/06)

LSS-SP02-COMP

0.002 U

0.0202 U

0.002 U

0.002 U

0.002 U

0.002 U

0.002 U

0.002 U

0.0197 U

LSS-SP04-COMP

NT SCU -NY SCO -Restricted

(10/10) (6 NYCRR

375-6 12/06)

4.8

1.7

100

0.91

0.54

Residential w/CP-51 Residential w/CP-51 NY SCO -(10/10) (6 NYCRR Unrestricted Use (6

375-6 12/06)

12495-03 12495-08 Lab Sample Number 3/30/2017 3/30/2017 Sampling Date SOIL SOIL SOIL SOIL SOIL Matrix mg/kg mg/kg mg/kg mg/kg mg/kg Units COMPOUND CAS# alpha-BHC 319-84-6 0.097 0.48 0.02 0.002 U 0.002 U beta-BHC 319-85-7 0.072 0.36 0.036 0.002 U 0.002 U delta-BHC 319-86-8 100 0.04 0.002 U 0.002 U 100 gamma-BHC (Lindane) 58-89-9 0.28 1.3 0.1 0.002 U 0.002 U Heptachlor 76-44-8 0.42 2.1 0.042 0.002 U 0.002 U Aldrin 309-00-2 0.019 0.097 0.005 0.002 U 0.002 U Heptachlor epoxide 1024-57-3 0.077 0.002 U 0.002 U Endosulfan I 959-98-8 4.8 24 2.4 0.002 U 0.002 U Dieldrin 0.005 60-57-1 0.039 0.2 0.002 U 0.002 U 4,4-DDE 72-55-9 1.8 8.9 0.0033 0.002 U 0.002 U Endrin 72-20-8 0.014 0.002 U 0.002 U 33213-65-9 Endosulfan II 4.8 24 0.002 U 0.002 U 4.4-DDD 72-54-8 13 0.0033 0.002 U 0.002 U 2.6 1031-07-8 0.002 U

2.4

0.0033

0.094

Total TICs

Toxaphene

Endosulfan Sulfate

4,4-DDT

Methoxychlor

Endrin ketone

Endrin aldehyde

alpha-Chlordane

gamma-Chlordane

Qualifiers

The compound was not detected at the indicated concentration.

50-29-3

72-43-5

53494-70-5

7421-93-4

5103-71-9

5103-74-2

8001-35-2

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

- Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
- The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

24

7.9

4.2

- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- * (Inorganics) The sample/duplicate %RPD was above the control limit.

E (Organics) - Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

- The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- indicates LCS control criteria did not meet requirements.
- NR -Not analyzed

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Sample ID		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)		LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
Lab Sample Number					12495-01	12495-03	12495-06	12495-08
Sampling Date					3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND	CAS #							
Aroclor-1016	12674-11-2	1	1	0.1	0.1 P	0.22	0.12	0.15
Aroclor-1221	11104-28-2	1	1	0.1	0.0202 U	0.0202 U	0.0201 U	0.0197 U
Aroclor-1232	11141-16-5	1	1	0.1	0.0202 U	0.0202 U	0.0201 U	0.0197 U
Aroclor-1242	53469-21-9	1	1	0.1	0.0202 U	0.0202 U	0.0201 U	0.0197 U
Aroclor-1248	12672-29-6	1	1	0.1	0.0202 U	0.0202 U	0.0201 U	0.0197 U
Aroclor-1254	11097-69-1	1	1	0.1	0.24	0.21	0.21	0.24
Aroclor-1262	37324-23-5				0.0202 U	0.0202 U	0.0201 U	0.0197 U
Aroclor-1268	11100-14-4				0.0202 U	0.0202 U	0.0201 U	0.0197 U
Aroclor-1260	11096-82-5	1	1	0.1	0.28	0.21	0.26	0.33

Total TICs

Qualifiers

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

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

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

 The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
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- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

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	NY SCO -	NY SCO -						
	NYCRR 375-6		NYCRR 375-6					
	12/06)	NYCRR 375-6	12/06)		LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
					12495-01	12495-03	12495-06	12495-08
					3/30/2017	3/30/2017	3/30/2017	3/30/2017
	SOIL	SOIL	SOIL		SOIL	SOIL	SOIL	SOIL
	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg	mg/kg	mg/kg
CAS#								
7440-36-0					4.52	20	2.89	3.52
7440-38-2	16	16	13		10	7.55	8.5	9.66
7440-39-3	350	400	350		366	279	313	331
7440-41-7	14	72	7.2		0.087 J	0.112 J	0.105 J	U
7440-43-9	2.5	4.3	2.5		10.7	6.13	7.51	8.52
7440-47-3					30.8	27.7	28	34.5
7440-50-8	270	270	50		329	252	405	296
7439-92-1	400	400	63		1030	673	700	1740
7439-97-6	0.81	0.81	0.18		2.06 D	1.07 D	1.19 D	0.869 D
7440-02-0	140	310	30		76.1	64.6	75	95.3
7782-49-2	36	180	3.9		1.13	1.01	0.7 J	1.12
7440-22-4	36	180	2		0.572	0.204 J	0.656	0.634
7440-28-0					3.09	2.51	2.33	3.46
7440-62-2	100				38.6	38.6	39.2	43
7440-66-6	2200	10000	109		1320	1070	1160	1400
	7440-36-0 7440-38-2 7440-39-3 7440-41-7 7440-43-9 7440-50-8 7439-92-1 7439-97-6 7440-02-0 7782-49-2 7440-22-4 7440-28-0 7440-62-2	Residential w/CP- 51 (10/10) (6 NYCRR 375-6 12/06) SOIL mg/kg CAS # 7440-36-0 7440-38-2 16 7440-39-3 350 7440-41-7 14 7440-43-9 2.5 7440-47-3 7440-50-8 270 7439-92-1 400 7439-97-6 0.81 7440-02-0 140 7782-49-2 36 7440-22-4 36 7440-28-0 7440-62-2 100	Residential w/CP- 51 (10/10) (6 NYCRR 375-6 12/06) SOIL Mg/kg SOIL Mg/kg CAS # 7440-38-2 16 7440-39-3 350 400 7440-41-7 14 72 7440-43-9 2.5 7440-47-3 7440-50-8 270 7439-92-1 400 7439-97-6 0.81 0.81 7440-02-0 140 310 7782-49-2 36 180 7440-28-0 7440-62-2 100	Residential w/CP-	Residential w/CP-	Residential w/CP- 51 (10/10) (6 Residential w/CP- NYCRR 375-6 51 (10/10) (6 NYCRR 375-6 12/06) NYCRR 375-6 51 (10/10) (6 NYCRR 375-6 12/06) NYCRR 375-6 12/06) NYCRR 375-6 12/06) LSS-SP01-COMP 12495-01 3/30/2017 SOIL SOIL SOIL SOIL SOIL SOIL mg/kg mg/kg mg/kg mg/kg mg/kg CAS # 7440-36-0	Residential w/CP- S1 (10/10) (6 NY SCO Unrestricted Use (6 NY CRR 375-6 12/06)	Residential w/CP- 51 (10/10) (6 Residential w/CP- 51 (10/10) (6 NYCRR 375-6 12/06) LSS-SP01-COMP LSS-SP02-COMP LSS-SP03-COMP L2495-01 L2495-03 L2495-06 L2

Total TICs

Qualifiers

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

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

- Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
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- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
- E (Inorganics) The reported value is estimated because of the presence of interference.
- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

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NT SCU -

NY SCO -Restricted

Residential w/CP-51 Residential w/CP-51 NY SCO -

(10/10) (6 NYCRR Unrestricted Use (6 (10/10) (6 NYCRR

LSS-SP01-COMP LSS-SP02-COMP LSS-SP03-COMP LSS-SP04-COMP 375-6 12/06) 375-6 12/06) NYCRR 375-6 12/06) Sample ID

12495-11 12495-12 12495-13 12495-14 Lab Sample Number 3/30/2017 Sampling Date 3/30/2017 3/30/2017 3/30/2017

SOIL SOIL SOIL SOIL SOIL SOIL SOIL

Matrix Units mg/kg mg/kg mg/kg

COMPOUND CAS#

Ignitability **IGNIT** No No No No

Total TICs

Qualifiers

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N (Inorganics) - The matrix spike recovery was outside control limits

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Sample ID		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)		LSS-SP01-CO	MP LSS-SP02	-COMP	LSS-SP03-COMP	LSS-SP04-	COMP
Lab Sample Number					12495-01	12495-03		12495-06	12495-08	
Sampling Date					3/30/2017	3/30/2017		3/30/2017	3/30/2017	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL		SOIL	SOIL	
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg	
COMPOUND	CAS#									
GRO	GRO					0.054 U	0.054 U	0.05	3 U	0.052 U

Total TICs

Qualifiers

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- N (Organics) Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

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NY SCO - Restricted

Residential w/CP-51 Residential w/CP-51 NY SCO -

(10/10) (6 NYCRR (10/10) (6 NYCRR Unrestricted Use (6

LSS-SP01-COMP LSS-SP02-COMP LSS-SP03-COMP LSS-SP04-COMP 375-6 12/06) 375-6 12/06) NYCRR 375-6 12/06) Sample ID 12495-03 12495-06 12495-08 Lab Sample Number 12495-01 3/30/2017 Sampling Date 3/30/2017 3/30/2017 3/30/2017 SOIL SOIL SOIL SOIL SOIL SOIL SOIL Matrix Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg

COMPOUND CAS #

DRO DRO 397 782 510 696

Total TICs

Qualifiers

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

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

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			NT SCU -						
		NY SCO -	Restricted						
		Residential w/CP-51	Residential w/CP-51	NY SCO -					
		(10/10) (6 NYCRR	(10/10) (6 NYCRR	Unrestricted Use (6					
Sample ID		375-6 12/06)	375-6 12/06)	NYCRR 375-6 12/06)	LSS-SP01-COMP	LSS-SP02-CON	P LSS-SP03-COI	MP LSS-SP04-C	OMP
Lab Sample Number					12495-01	12495-03	12495-06	12495-08	
Sampling Date					3/30/2017	3/30/2017	3/30/2017	3/30/2017	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
COMPOUND	CAS#								
Cyanide	57-12-5	27	27	27	0.15	J	0.12 J	0.09 J	0.28 U

Total TICs

Qualifiers

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

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

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NY SCO - Restricted

Residential w/CP-51 Residential w/CP-51 NY SCO -

(10/10) (6 NYCRR (10/10) (6 NYCRR Unrestricted Use (6 375-6 12/06) 375-6 12/06) NYCRR 375-6 12/06)

LSS-SP01-COMP LSS-SP02-COMP LSS-SP03-COMP LSS-SP04-COMP Sample ID 12495-11 12495-12 12495-13 12495-14 Lab Sample Number 3/30/2017 Sampling Date 3/30/2017 3/30/2017 3/30/2017 SOIL SOIL SOIL SOIL SOIL SOIL SOIL Matrix pН Units mg/kg mg/kg mg/kg pН pН pН

COMPOUND CAS #

Corrosivity 7.84 7.69 7.94 7.57

Total TICs

Qualifiers

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N (Inorganics) - The matrix spike recovery was outside control limits

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Sample ID Lab Sample Number Sampling Date		TCLP Maximum Contaminant Concentrations (40 CFR 261 6/96)	GRA 1249		LSS-SP02- GRAB(D) I2495-16 3/30/2017	LSS-SP03- GRAB(E) I2495-17 3/30/2017	LSS-SP04- GRAB(D) I2495-18 3/30/2017
Matrix		TCLP	TCLI	•	TCLP	TCLP	TCLP
Units		mg/L	mg/l		mg/l	mg/l	mg/l
COMPOUND	CAS#						
Vinyl Chloride	75-01-4	0.2		0.025 U	0.025 U	0.025 U	0.025 U
1,1-Dichloroethene	75-35-4	0.7		0.025 U	0.025 U	0.025 U	0.025 U
2-Butanone	78-93-3	200		0.13 U	0.13 U	0.13 U	0.13 U
Carbon Tetrachloride	56-23-5	0.5		0.025 U	0.025 U	0.025 U	0.025 U
Chloroform	67-66-3	6		0.025 U	0.025 U	0.025 U	0.025 U
Benzene	71-43-2	0.5		0.025 U	0.025 U	0.025 U	0.025 U
1,2-Dichloroethane	107-06-2	0.5		0.025 U	0.025 U	0.025 U	0.025 U
Trichloroethene	79-01-6	0.5		0.025 U	0.025 U	0.025 U	0.025 U
Tetrachloroethene	127-18-4	0.7		0.025 U	0.025 U	0.025 U	0.025 U
Chlorobenzene	108-90-7	100		0.025 U	0.025 U	0.025 U	0.025 U

Total TICs

Qualifiers

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

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

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

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- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

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Contaminant
Concentrations (40

Commis ID		CFR 261 6/96)	LSS-SP01-C	OMP	LSS-SP02-COMP	LSS-SP03-C	OMP	LSS-SP04-C	OMP
Sample ID		•							
Lab Sample Number			12495-11		I2495-12	12495-13		12495-14	
Sampling Date			3/30/2017		3/30/2017	3/30/2017		3/30/2017	
Matrix		TCLP	TCLP		TCLP	TCLP		TCLP	
Units		mg/L	mg/l		mg/l	mg/l		mg/l	
COMPOUND	CAS#								
gamma-BHC (Lindane)	58-89-9	0.4		0.0005 U	0.0005	J	0.0005 U		0.0005 U
Heptachlor	76-44-8	0.008		0.0005 U	0.0005	J	0.0005 U		0.0005 U
Heptachlor epoxide	1024-57-3	0.008		0.0005 U	0.0005	J	0.0005 U		0.0005 U
Endrin	72-20-8	0.02		0.0005 U	0.0005	J	0.0005 U		0.0005 U
Methoxychlor	72-43-5	10		0.0005 U	0.0005	J	0.0005 U		0.0005 U
Toxaphene	8001-35-2	0.5		0.005 U	0.005	J	0.005 U		0.005 U
Chlordane	57-74-9			0.005 U	0.005	J	0.005 U		0.005 U

Total TICs

Qualifiers

- U The compound was not detected at the indicated concentration.
- N (Organics) Presumptive Evidence of a Compound
- N (Inorganics) The matrix spike recovery was outside control limits
- J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
 The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
- E (Inorganics) The reported value is estimated because of the presence of interference.
- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

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TCLP Maximum
Contaminant
Concentrations (40

		Concentrations (40				
Sample ID		CFR 261 6/96)	LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
Lab Sample Number			12495-11	12495-12	12495-13	12495-14
Sampling Date			3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix		TCLP	TCLP	TCLP	TCLP	TCLP
Units		mg/L	mg/l	mg/l	mg/l	mg/l
COMPOUND	CAS#					
Arsenic	7440-38-2	5	C	.1 U 0	.1 U 0.1 I	J 0.1 U
Barium	7440-39-3	100	1.0	35 1.2	22 1.26	1.25
Cadmium	7440-43-9	1	0.05	0.036	0.0462	0.0486
Chromium	7440-47-3	5	0.4	0.072 0.072	0.0283	J 0.0365 J
Copper	7440-50-8		0.8	1.	.2 0.825	0.877
Lead	7439-92-1	5	0	.4 0.21	2 0.33	0.405
Mercury	7439-97-6	0.2	0.0	0.00 O	0.002 U	J 0.002 U
Nickel	7440-02-0		0.06	24 J 0.094	12 J 0.0764	J 0.185 J
Selenium	7782-49-2	1	C	.1 U 0	.1 U 0.1 I	J 0.1 U
Silver	7440-22-4	5	0.4	0.0	0.05 U	J 0.05 U
Zinc	7440-66-6		6.	52 6.2	9 6.11	11.2

Qualifiers

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Concentrations (40

Sample ID		CFR 261 6/96)	LSS-SP01-COMP	LSS-SP02-C0	OMP LSS-SP03-0	COMP LSS-SP0	4-COMP
Lab Sample Number			12495-11	12495-12	12495-13	12495-14	
Sampling Date			3/30/2017	3/30/2017	3/30/2017	3/30/2017	7
Matrix		TCLP	TCLP	TCLP	TCLP	TCLP	
Units		mg/L	mg/l	mg/l	mg/l	mg/l	
COMPOUND	CAS#						
2,4-D	94-75-7	10	0.02	2 U	0.02 U	0.02 U	0.02 U
2,4,5-TP (Silvex)	93-72-1	1	0.02	2 U	0.02 U	0.02 U	0.02 U

Total TICs

Qualifiers

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- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

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		Contaminant Concentrations (40				
Sample ID		CFR 261 6/96)	LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
Lab Sample Number			12495-11	12495-12	12495-13	12495-14
Sampling Date			3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix		TCLP	TCLP	TCLP	TCLP	TCLP
Units		mg/L	mg/l	mg/l	mg/l	mg/l
COMPOUND	CAS#					
Pyridine	110-86-1	5	0.1	U 0.1	J 0.1 L	0.1 U
1,4-Dichlorobenzene	106-46-7	7.5	0.1	U 0.1	J 0.1 L	0.1 U
2-Methylphenol	95-48-7	200	0.1	U 0.1	J 0.1 L	0.1 U
3+4-Methylphenols	65794-96-9		0.1	U 0.1	J 0.1 L	0.1 U
Hexachloroethane	67-72-1	3	0.1	U 0.1	J 0.1 L	0.1 U
Nitrobenzene	98-95-3	2	0.1	U 0.1	J 0.1 L	0.1 U
Hexachlorobutadiene	87-68-3	0.5	0.1	U 0.1	J 0.1 L	0.1 U
2,4,6-Trichlorophenol	88-06-2	2	0.1	U 0.1	J 0.1 L	0.1 U
2,4,5-Trichlorophenol	95-95-4	400	0.1	U 0.1	J 0.1 L	0.1 U
2,4-Dinitrotoluene	121-14-2	0.13	0.1	U 0.1	J 0.1 L	0.1 U
Hexachlorobenzene	118-74-1	0.13	0.1	U 0.1	J 0.1 L	0.1 U
Pentachlorophenol	87-86-5	100	0.1	U 0.1	J 0.1 L	0.1 U

Total TICs

Qualifiers

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

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

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- indicates LCS control criteria did not meet requirements.

Customer ID : CHAZ02, Customer Name : Chazen Companies, $\mbox{Project ID}$: 81323.07 Karta Summary for Order I2493

Soil Criteria

SamplingDate	Sample	[NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)]	[NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)]	[NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)]	Comment
3/30/2017	LSS-SP05-COMP - I24	×	\boxtimes	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP05-COMPRE -	X	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP05-GRAB(A) - I	· 🗸	✓	✓	
3/30/2017	LSS-SP05-GRAB(A)RE	✓	✓	✓	
3/30/2017	LSS-SP05-GRAB(E) - I	✓	✓	✓	
3/30/2017	LSS-SP05-GRAB(E)RE	✓	✓	✓	
3/30/2017	LSS-SP06-COMP - I24	×	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP06-COMPRE -	X	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP06-GRAB(B) - I	✓	✓	✓	
3/30/2017	LSS-SP06-GRAB(B)RE	✓	✓	✓	
3/30/2017	LSS-SP07-COMP - I24	×	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP07-COMPRE -	×	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP07-GRAB(C) - I	√	✓	✓	
3/30/2017	LSS-SP07-GRAB(C)RE	✓	✓	✓	
3/30/2017	LSS-SP08-GRAB(D) - I	✓	✓	✓	
3/30/2017	LSS-SP08-GRAB(D)RE	✓	✓	✓	
3/30/2017	LSS-SP09-GRAB(E) - I	✓	✓	✓	
3/30/2017	LSS-SP09-GRAB(E)RE	✓	✓	✓	
3/30/2017	LSS-SP08-COMP - I24	⊠	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP08-COMPRE -	\boxtimes	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP09-COMP - I24	×	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP09-COMPRE -	X	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP10-COMP - I24	X	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP10-COMPRE -	X	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP10-GRAB(A) - I	√	✓	√	
3/30/2017	LSS-SP10-GRAB(A)RE	✓	✓	✓	
3/30/2017	LSS-SP11-COMP - I24	X	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP11-COMPRE -	X	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP05-COMP - I24	×	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP06-COMP - I24	X	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP08-COMP - I24	X	X	X	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP10-COMP - I24	X	X	\boxtimes	METALs, PCB, SVOC-TCL BNA -20

Water Criteria

Water Officia									
SamplingDate		[NY Table 1 Wastewater Limits - Groundwater Discharges (NYSDEC 9/2003)]	Comment						
3/7/2017	LSS-TB	✓							
3/30/2017	LSS-EB	✓							

TCLP Criteria

ICLP Criteria								
SamplingDate	Sample	Contaminant Concentrations (40 CFR 261 6/96)]	Comment					
3/30/2017	LSS-EB	✓						
3/30/2017	LSS-SP05-COMP	X	TCLP ICP Metals					
3/30/2017	LSS-SP05-COMPRE	✓						
3/30/2017	LSS-SP05-GRAB(E)	✓						
3/30/2017	LSS-SP06-COMP	✓						
3/30/2017	LSS-SP06-GRAB(B)	✓						
3/30/2017	LSS-SP07-COMP	✓						
3/30/2017	LSS-SP07-GRAB(C)	✓						
3/30/2017	LSS-SP08-COMP	✓						
3/30/2017	LSS-SP08-GRAB(D)	✓						
3/30/2017	LSS-SP09-COMP	✓						
3/30/2017	LSS-SP09-GRAB(E)	✓						
3/30/2017	LSS-SP10-COMP	✓						
3/30/2017	LSS-SP10-GRAB(A)	✓						

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NY Table 1 Wastewater Limits -Groundwater Discharges

		Discharges (NYSDEC 9/2003)		
Sample ID		(NYSDEC 9/2003)	LSS-EB	LSS-TB
Lab Sample Number			12493-29	12493-30
Sampling Date		WATER	3/30/2017 Water	3/7/2017 Water
Matrix				
Units		ug/l	ug/l	ug/l
COMPOUND	CAS#			
Dichlorodifluoromethane Chloromethane	75-71-8 74-87-3		5 U	5 U 5 U
Vinyl Chloride	74-87-3 75-01-4		5 U	5 U
Bromomethane	74-83-9		5 U	5 U
Chloroethane	75-00-3		5 U	5 U
Trichlorofluoromethane	75-69-4		5 U	5 U
1,1,2-Trichlorotrifluoroethane	76-13-1		5 U	5 U
1.1-Dichloroethene	75-35-4		5 U	5 U
Acetone	67-64-1		25 U	25 U
Carbon Disulfide	75-15-0		5 U	5 U
Methyl tert-butyl Ether	1634-04-4	10	5 U	5 U
Methyl Acetate	79-20-9		5 U	5 U
Methylene Chloride	75-09-2		5 U	5 U
trans-1,2-Dichloroethene	156-60-5		5 U	5 U
1,1-Dichloroethane	75-34-3		5 U	5 U
Cyclohexane	110-82-7		5 U	5 U
2-Butanone	78-93-3		25 U	25 U
Carbon Tetrachloride	56-23-5		5 U	5 U
cis-1,2-Dichloroethene	156-59-2		5 U	5 U
Bromochloromethane	74-97-5		5 U	5 U
Chloroform	67-66-3		5 U	5 U
1,1,1-Trichloroethane	71-55-6		5 U	5 U
Methylcyclohexane Benzene	108-87-2	1	5 U	5 U
1,2-Dichloroethane	107-06-2	1	5 U	5 U
Trichloroethene	79-01-6		5 U	5 U
1,2-Dichloropropane	78-87-5		5 U	5 U
Bromodichloromethane	75-27-4		5 U	5 U
4-Methyl-2-Pentanone	108-10-1		25 U	25 U
Toluene	108-88-3	5	5 U	5 U
t-1,3-Dichloropropene	10061-02-6		5 U	5 U
cis-1,3-Dichloropropene	10061-01-5		5 U	5 U
1,1,2-Trichloroethane	79-00-5		5 U	5 U
2-Hexanone	591-78-6		25 U	25 U
Dibromochloromethane	124-48-1		5 U	5 U
1,2-Dibromoethane	106-93-4		5 U	5 U
Tetrachloroethene	127-18-4		5 U	5 U
Chlorobenzene	108-90-7		5 U	5 U
Ethyl Benzene	100-41-4	5	5 U	5 U
m/p-Xylenes	179601-23-1		10 U	10 U
o-Xylene	95-47-6	5	5 U	5 U
Styrene	100-42-5		5 U	5 U
Bromoform	75-25-2 98-82-8	5	5 U 5 U	5 U 5 U
Isopropylbenzene 1,1,2,2-Tetrachloroethane	98-82-8 79-34-5	o .	5 U	5 U
1,1,2,2-Tetrachioroethane 1.3-Dichlorobenzene	79-34-5 541-73-1		5 U	5 U
1,4-Dichlorobenzene	106-46-7		5 U	5 U
1,2-Dichlorobenzene	95-50-1		5 U	5 U
1,2-Dibromo-3-Chloropropane	96-12-8		5 U	5 U
1,2,4-Trichlorobenzene	120-82-1		5 U	5 U
1,2,3-Trichlorobenzene	87-61-6		5 U	5 U

Total TICs 56.5 40.4

Qualifiers

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NY	Table	. 1	
Wa	stew	ater	Limits
Gro	ound	vate	er

		Discharges	
Sample ID		(NYSDEC 9/2003)	LSS-EB 12493-29
Lab Sample Number Sampling Date			3/30/2017
Matrix		WATER	Water
Units		ug/l	ug/I
COMPOUND	CAS#		
Benzaldehyde	100-52-7		10.1 U
Phenol	108-95-2		10.1 U
bis(2-Chloroethyl)ether	111-44-4		10.1 U
2-Chlorophenol	95-57-8		10.1 U
2-Methylphenol	95-48-7 108-60-1		10.1 U
2,2-oxybis(1-Chloropropane) Acetophenone	98-86-2		10.1 U
3+4-Methylphenois	65794-96-9		10.1 U
n-Nitroso-di-n-propylamine	621-64-7		10.1 U
Hexachloroethane	67-72-1		10.1 U
Nitrobenzene	98-95-3		10.1 U
Isophorone	78-59-1		10.1 U
2-Nitrophenol	88-75-5		10.1 U
2,4-Dimethylphenol	105-67-9		10.1 U 10.1 U
bis(2-Chloroethoxy)methane 2,4-Dichlorophenol	111-91-1		10.1 U
Nanhthalene	91-20-3	10	10.1 U
4-Chloroaniline	106-47-8		10.1 U
Hexachlorobutadiene	87-68-3		10.1 U
Caprolactam	105-60-2		10.1 U
4-Chloro-3-methylphenol	59-50-7		10.1 U
	91-57-6		10.1 U
	77-47-4		10.1 U 10.1 U
2,4,6-Trichlorophenol 2,4,5-Trichlorophenol	88-06-2 95-95-4		10.1 U
	92-52-4		10.1 U
2-Chloronaphthalene	91-58-7		10.1 U
2-Nitroaniline	88-74-4		10.1 U
Dimethylphthalate	131-11-3		10.1 U
Acenaphthylene	208-96-8		10.1 U
2,6-Dinitrotoluene 3-Nitroaniline	606-20-2 99-09-2		10.1 U 10.1 U
3-Nitroaniline Acenaphthene	83-32-9	20	10.1 U
2.4-Dinitrophenol	51-28-5	20	10.1 U
4-Nitrophenol	100-02-7		10.1 U
Dibenzofuran	132-64-9		10.1 U
2,4-Dinitrotoluene	121-14-2		10.1 U
Diethylphthalate	84-66-2 7005-72-3		10.1 U
4-Chlorophenyl-phenylether Fluorene	7005-72-3 86-73-7	50	10.1 U
4-Nitroaniline	100-01-6	55	10.1 U
4,6-Dinitro-2-methylphenol	534-52-1		10.1 U
n-Nitrosodiphenylamine	86-30-6		10.1 U
4-Bromophenyl-phenylether	101-55-3		10.1 U
Hexachlorobenzene	118-74-1		10.1 U
Atrazine Pentachlorophenol	1912-24-9 87-86-5		10.1 U 10.1 U
Phenanthrene	85-01-8	50	10.1 U
Anthracene	120-12-7	50	10.1 U
Carbazole	86-74-8		10.1 U
Di-n-butylphthalate	84-74-2		10.1 U
Fluoranthene	206-44-0	50	10.1 U
Pyrene	129-00-0 85-68-7	50	10.1 U 10.1 U
Butylbenzylphthalate 3.3-Dichlorobenzidine	91-94-1		10.1 U
Benzo(a)anthracene	56-55-3	20	10.1 U
Chrysene	218-01-9	20	10.1 U
Bis(2-ethylhexyl)phthalate	117-81-7		10.1 U
Di-n-octyl phthalate	117-84-0		10.1 U
Benzo(b)fluoranthene	205-99-2	20	10.1 U
Benzo(k)fluoranthene	207-08-9 50-32-8	20	10.1 U 10.1 U
Benzo(a)pyrene Indeno(1,2,3-cd)pyrene		20	10.1 U 10.1 U
	53-70-3	50	10.1 U
Benzo(g,h,i)perylene	191-24-2	20	10.1 U
1,2,4,5-Tetrachlorobenzene	95-94-3		10.1 U
1,4-Dioxane	123-91-1		10.1 U
2,3,4,6-Tetrachlorophenol	58-90-2		10.1 U

Total TICs 101.7

- Total TICs
 Qualifiers

 U The compound was not detected at the indicated concentration.

 N (Organics) Presumptive Evidence of a Compound

 N (Organics) The matrix spike recovery was outside control limits

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 **(Organics) The for dual column analysis, the levest quantitated concentrations on the two columns is greater than 40%.

 **(Inorganics) The for dual column analysis, the levest quantitated concentrations on the two columns is greater than 40%.

 **(Inorganics) The sampleduplicate highPP was above the control limit.

 E (Organics) The sampleduplicate vikiPP was above the control limit.

 E (Inorganics) The reported value is settlemated because of the presence of interference.

 D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

 Q indicates LCS control criteria did not meet requirements.

 NR Not analyzed

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The comparison of the regulatory limits in this report reflect the current Chemtech Consulting Group Inc. knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

NY Table 1
Wastewater Limits
- Groundwater
Discharges
(NYSDEC 9/2003) LSS-EB

Sample ID

Lab Sample Number			12493-29
Sampling Date			3/30/2017
Matrix		WATER	Water
Units		ug/l	ug/l
COMPOUND	CAS#		
alpha-BHC	319-84-6		0.1 U
beta-BHC	319-85-7		0.1 U
delta-BHC	319-86-8		0.1 U
gamma-BHC (Lindane)	58-89-9		0.1 U
Heptachlor	76-44-8		0.1 U
Aldrin	309-00-2		0.1 U
Heptachlor epoxide	1024-57-3		0.1 U
Endosulfan I	959-98-8		0.1 U
Dieldrin	60-57-1		0.1 U
4,4-DDE	72-55-9		0.1 U
Endrin	72-20-8		0.1 U
Endosulfan II	33213-65-9		0.1 U
4,4-DDD	72-54-8		0.1 U
Endosulfan Sulfate	1031-07-8		0.1 U
4,4-DDT	50-29-3		0.1 U
Methoxychlor	72-43-5		0.1 U
Endrin ketone	53494-70-5		0.1 U
Endrin aldehyde	7421-93-4		0.1 U
alpha-Chlordane	5103-71-9		0.1 U
gamma-Chlordane	5103-74-2		0.1 U
Toxaphene	8001-35-2		1 U

Total TICs

Qualifiers

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

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

- J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

 $\ensuremath{\mathsf{E}}$ (Inorganics) - The reported value is estimated because of the presence of interference.

- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

Lab Sample Number

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NY Table 1 Wastewater Limits -Groundwater Discharges

12493-29

1 U

Sample ID (NYSDEC 9/2003) LSS-EB

 Sampling Date
 3/30/2017

 Matrix
 WATER
 Water

 Units
 ug/l
 ug/l

 COMPOUND
 CAS #

 Aroclor-1016
 12674-11-2

 Aroclor-1221
 11104-28-2

Aroclor-1221	11104-28-2	1 U
Aroclor-1232	11141-16-5	1 U
Aroclor-1242	53469-21-9	1 U
Aroclor-1248	12672-29-6	1 U
Aroclor-1254	11097-69-1	1 U
Aroclor-1262	37324-23-5	1 U
Aroclor-1268	11100-14-4	1 U
Aroclor-1260	11096-82-5	1 U

Total TICs

Qualifiers

- U The compound was not detected at the indicated concentration.
- N (Organics) Presumptive Evidence of a Compound
- N (Inorganics) The matrix spike recovery was outside control limits
- J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
 The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
- E (Inorganics) The reported value is estimated because of the presence of interference.
- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- indicates LCS control criteria did not meet requirements.
- NR Not analyzed

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The comparison of the regulatory limits in this report reflect the current Chemtech Consulting Group Inc. knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

NY Table 1 Wastewater Limits Groundwater Discharges (NYSDEC 9/2003)

LSS-EB

Sample ID

 Lab Sample Number
 12493-29

 Sampling Date
 3/30/2017

 Matrix
 WATER

 Units
 100/1

Matrix	WATER	WATER
Units	ug/l	ug/l
COMPOUND	CAS #	
Antimony	7440-36-0	25 U
Arsenic	7440-38-2	10 U
Barium	7440-39-3	50 U
Beryllium	7440-41-7	3 U
Cadmium	7440-43-9	3 U
Chromium	7440-47-3	5 U
Copper	7440-50-8	10 U
Lead	7439-92-1	6 U
Mercury	7439-97-6	0.2 U
Nickel	7440-02-0	20 U
Selenium	7782-49-2	10 U
Silver	7440-22-4	5 U
Thallium	7440-28-0	20 U
Vanadium	7440-62-2	20 U

Total TICs

Zinc

Qualifiers

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

7440-66-6

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

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

The concentration given is an approximate value.

20 U

- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- * (Inorganics) $\,$ The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
- E (Inorganics) The reported value is estimated because of the presence of interference.
- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

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The comparison of the regulatory limits in this report reflect the current Chemtech Consulting Group Inc. knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

		NY SCO - Residential w/CP-	NY SCO - Restrict -51 Residential w/CP-																						
		(10/10) (6 NYCRR	(10/10) (6 NYCRR	Unrestricted Use (LSS-SP05-	LSS-SP05-	LSS-SP05-	LSS-SP05-	LSS-SP05-	LSS-SP06-	LSS-SP06-	LSS-SP06-	LSS-SP06-	LSS-SP07-	LSS-SP07-	LSS-SP07-	LSS-SP07-	LSS-SP08-	LSS-SP08-	LSS-SP09-	LSS-SP09-	LSS-SP08-	LSS-SP08-	LSS-SP09-
imple ID		375-6 12/06)	375-6 12/06)	NYCRR 375-6 12/0	06) LSS-SP05-COMP	COMPRE	GRAB(A)	GRAB(A)RE	GRAB(E)	GRAB(E)RE	COMP	COMPRE	GRAB(B)	GRAB(B)RE	COMP	COMPRE	GRAB(C)	GRAB(C)RE	GRAB(D)	GRAB(D)RE	GRAB(E)	GRAB(E)RE	COMP	COMPRE	COMP
b Sample Number					12493-01	12493-01RE	12493-02	I2493-02RE	12493-03	I2493-03RE	12493-04	12493-04RE	12493-05	12493-05RE	12493-06	12493-06RE	12493-07	I2493-07RE	12493-08	12493-08RE	12493-09	12493-09RE	12493-10	12493-10RE	12493-13
impling Date					3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017
atrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
nits	646.11	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
OMPOUND	CAS#																								
chlorodifluoromethane	75-71-8				0.006 L	0.0055 U	0.0054		J 0.0051 l	U 0.0057 l	J 0.0052 l											0.0049 (
nloromethane	74-87-3				0.006 L	0.0055 U	0.0054		J 0.0051 l	U 0.0057 l	J 0.0052 l		J 0.0048 L			U 0.0058			U 0.0052			0.0049 (
nyl Chloride	75-01-4	0.21	0.9	0.02	0.006 L	0.0055 U	0.0054																		
omomethane	74-83-9				0.006 L		0.0054																		
ionoethane	75-00-3				0.006 L		0.0054																		
ichlorofluoromethane	75-69-4	400			0.006 L	0.0055 U	0.0054		J 0.0051 l																
1,2-Trichlorotrifluoroethane	76-13-1	100	100	0.00	0.006 L	0.0055 U	0.0054																		
1-Dichloroethene	75-35-4	100	100	0.33	0.006 L	0.0055 U	0.0054																		
etone	67-64-1	100	100	0.05	0.0301 L	0.0276 U	0.0271		J 0.0255 I																
arbon Disulfide	75-15-0	100	100	0.03	0.006 L	0.0055 U	0.0054		J 0.0051 l	U 0.0057 l	J 0.0052 I											J 0.0049 I			
ethyl tert-butyl Ether	1634-04-4	62	100	0.93	0.006 L	0.0055 U	0.0054		J 0.011	0.0123	0.0052 (J 0.0048 L												
ethyl Acetate	79-20-9	54	400	0.05	0.006 L	0.0055 U	0.0054																		
ethylene Chloride	75-09-2	51	100	0.05	0.006 L	0.0054 J	0.0054		0.0051		0.0052 (0.0048 L		0.0055				0.0052			J 0.008	0.0065		
ns-1,2-Dichloroethene	156-60-5	100	100	0.19	0.006 L	0.0055 U	0.0054																		
1-Dichloroethane	75-34-3	19	26	0.27	0.006 L	0.0055 U	0.0054		J 0.0051 l													0.0049 [
clohexane	110-82-7	400	100	0.42	0.006 L	0.0055 U	0.0054		J 0.0051 l																
Butanone	78-93-3	100	100	0.12	0.0301 L	0.0276 U	0.0271		J 0.0255 I				J 0.0241 L						U 0.0261						
arbon Tetrachloride	56-23-5	1.4	2.4	0.76	0.006 L	0.0055 U	0.0054																		
s-1,2-Dichloroethene	156-59-2	59	100	0.25	0.006 L	0.0055 U	0.0054																		
omochloromethane	74-97-5	40	10	0.07	0.006 L	0.0055 U	0.0054		J 0.0051 l													0.0049 (
oroform	67-66-3	10	49	0.37	0.006 L	0.0055 U	0.0054															0.0049 [
1-Trichloroethane	71-55-6	100	100	0.68	0.006 L	0.0055 U	0.0054																		
thylcyclohexane	108-87-2	0.0	4.0	0.00	0.0062	0.0103	0.0054			0.0235	0.0052 (
nzene	71-43-2	2.9	4.8	0.06	0.006 L	0.0055 U	0.0054		J 0.0027	J 0.0057 l												0.0049 (
-Dichloroethane	107-06-2	2.3	3.1	0.02	0.006 L	0.0055 U	0.0054																		
chloroethene	79-01-6	10	21	0.47	0.006 L		0.0054																		
2-Dichloropropane	78-87-5				0.006 L	0.0055 U	0.0054		J 0.0051 l													0.0049 (
omodichloromethane	75-27-4				0.006 L	0.0055 U	0.0054		J 0.0051 l	U 0.0057 l			J 0.0048 L			U 0.0058			U 0.0052			0.0049 (
Methyl-2-Pentanone	108-10-1	100	100	0.7	0.0301 L	0.0276 U	0.0271		J 0.0255 I				J 0.0241 L						U 0.0261					U 0.0332	
uene 3 Diablesensensens	108-88-3		100	0.7	0.006 L	0.0055 U	0.0054																		
3-Dichloropropene	10061-02-6				0.006 L	0.0055 U	0.0054		J 0.0051 l													0.0049 (
s-1,3-Dichloropropene	10061-01-6	0			0.006 L	0.0055 U	0.0054															0.0049 (
1,2-Trichloroethane	79-00-5				0.006 L	0.0055 U	0.0054		J 0.0051 l													J 0.0049 l			
lexanone promochloromethane	591-78-6				0.0301 L		0.0271																		
romochloromethane -Dibromoethane	124-48-1				0.006 L 0.006 L	0.0055 U	0.0054		J 0.0051 I																
z-Dibromoetnane trachloroethene	106-93-4 127-18-4	5.5	19	1.3	0.006 L	0.0055 U 0.0015 J	0.0054		J 0.0051 l 0.0013 .	J 0.0057 t		J 0.0059 L J 0.0028 J	0.0048 L 0.0048 L			U 0.0058 J 0.0013			U 0.0052 J 0.0052			0.0049 (
tracnioroetnene ilorobenzene	127-18-4	100	19	1.3	0.006 L	0.0015 J 0.0055 U	0.0023						J 0.0048 L									0.0049 I 0.0049 I			
hyl Benzene	100-90-7	100	41	1.1	0.006 L	0.0055 U	0.0054			J 0.0057 (•							
p-Xylenes	179601-23	1	41		0.000 C	0.0033 U 0.011 U	0.0034			0.0012	J 0.0052 (J 0.0045 J 0.0091			U 0.0049								
		100	100	0.00						J 0.002															
(ylene	95-47-6 100-42-5	100	100	0.26	0.006 L																				
yrene					0.006 L		0.0054																		
omoform	75-25-2	100			0.006 L		0.0054			U 0.0057 l 0.0118															
propylbenzene ,2,2-Tetrachloroethane	98-82-8 79-34-5	100 35			0.006 L		0.0054				0.0052 U U 0.0052 U														
			49	2.4	0.006 L																				
Dichlorobenzene Dichlorobenzene	541-73-1	17	49	2.4	0.006 L		0.0054																		
-Dichlorobenzene	106-46-7	9.8	13	1.8	0.006 L		0.0054																		
Dichlorobenzene	95-50-1	100	100	1.1	0.006 L		0.0054																		
Dibromo-3-Chloropropane	96-12-8				0.006 L		0.0054																		
l-Trichlorobenzene	120-82-1				0.006 L		0.0054																		
,3-Trichlorobenzene	87-61-6				0.006 L	0.0055 U	0.0054	J 0.0059 I		J 0.0057 l	J 0.0052 l	U 0.0059 L	J 0.0048 L	J 0.0045	U 0.0055	U 0.0058	U 0.0049	U 0.0053	U 0.0052	U 0.0049	U 0.0055 U	J 0.0049 l	J 0.0065	U 0.0066	
tal TICs					0.19				0.38																0.46

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

Qualifiers

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

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The comparison of the regulatory limits in this report reflect the current Chemtech

		NY SCO - Residential w/CP-51	NY SCO - Restricted Residential w/CP-51									
		(10/10) (6 NYCRR	(10/10) (6 NYCRR	Unrestricted Use (6	LS	S-SP09-	LSS-SP10-	LSS-SP10-	LSS-SP10-	LSS-SP10-	LSS-SP11-	LSS-SP11-
Sample ID		375-6 12/06)	375-6 12/06)	NYCRR 375-6 12/06)	CO	MPRE	COMP	COMPRE	GRAB(A)	GRAB(A)RE	COMP	COMPRE
Lab Sample Number						93-13RE	12493-14	I2493-14RE	12493-15	I2493-15RE	12493-16	I2493-16RE
Sampling Date						0/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix		SOIL	SOIL	SOIL	so		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units	CAC #	mg/kg	mg/kg	mg/kg	mg	/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND	CAS #					0.0004.11	0.0040.11	0.0052.11	0.0052.11	0.0054.11	0.0050.11	0.0050.11
Dichlorodifluoromethane Chloromethane	75-71-8 74-87-3				U U	0.0061 U 0.0061 U		0.0053 U 0.0053 U	0.0053 U 0.0053 U		0.0056 U 0.0056 U	0.0059 U 0.0059 U
Vinyl Chloride	75-01-4	0.21	0.9		U	0.0061 U					0.0056 U	
Bromomethane	74-83-9	0.21	0.9		U	0.0061 U		0.0053 U	0.0053 U		0.0056 U	
Chloroethane	75-00-3				U	0.0061 U		0.0053 U			0.0056 U	
Trichlorofluoromethane	75-69-4				U	0.0061 U					0.0056 U	
1,1,2-Trichlorotrifluoroethane	76-13-1	100			U	0.0061 U					0.0056 U	
1,1-Dichloroethene	75-35-4	100	100		U	0.0061 U					0.0056 U	
Acetone	67-64-1	100	100		U	0.0303 U		0.0265 U			0.028 U	
Carbon Disulfide	75-15-0	100			U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Methyl tert-butyl Ether	1634-04-4	62	100	0.93	U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Methyl Acetate	79-20-9				U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Methylene Chloride	75-09-2	51	100	0.05	U	0.006 J	0.0048 U	0.004 J	0.0053 U	0.007	0.0056 U	0.0027 J
trans-1,2-Dichloroethene	156-60-5	100	100	0.19	U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
1,1-Dichloroethane	75-34-3	19	26	0.27	U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Cyclohexane	110-82-7				U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
2-Butanone	78-93-3	100	100	0.12	U	0.0303 U	0.0242 U	0.0265 U	0.0267 U	0.0271 U	0.028 U	0.0295 U
Carbon Tetrachloride	56-23-5	1.4	2.4	0.76	U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
cis-1,2-Dichloroethene	156-59-2	59	100	0.25	U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Bromochloromethane	74-97-5				U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Chloroform	67-66-3	10	49		U	0.0061 U					0.0056 U	
1,1,1-Trichloroethane	71-55-6	100	100	0.68	U	0.0061 U					0.0056 U	
Methylcyclohexane	108-87-2					0.0078	0.0048 U	0.0053 U	0.0053 U		0.0056 U	
Benzene	71-43-2	2.9	4.8		J	0.0061 U		0.0053 U			0.0056 U	
1,2-Dichloroethane	107-06-2	2.3	3.1		U	0.0061 U		0.0053 U			0.0056 U	0.0059 U
Trichloroethene	79-01-6	10	21		U	0.0061 U		0.0053 U			0.0056 U	
1,2-Dichloropropane	78-87-5				U	0.0061 U		0.0053 U			0.0056 U	0.0059 U
Bromodichloromethane	75-27-4				U U	0.0061 U					0.0056 U	
4-Methyl-2-Pentanone Toluene	108-10-1	100	100		J	0.0303 U 0.0014 J	0.0242 U 0.0048 U	0.0265 U 0.0053 U	0.0267 U 0.0053 U		0.028 U 0.0056 U	
t-1,3-Dichloropropene	108-88-3 10061-02-6	100	100		J U	0.0014 J 0.0061 U		0.0053 U			0.0056 U	
cis-1,3-Dichloropropene	10061-02-0				U	0.0061 U					0.0056 U	
1,1,2-Trichloroethane	79-00-5				U	0.0061 U					0.0056 U	
2-Hexanone	591-78-6				U	0.0303 U		0.0265 U			0.028 U	
Dibromochloromethane	124-48-1				U	0.0061 U		0.0053 U			0.0056 U	
1,2-Dibromoethane	106-93-4				U	0.0061 U		0.0053 U	0.0053 U		0.0056 U	0.0059 U
Tetrachloroethene	127-18-4	5.5	19	1.3	J	0.0028 J	0.0017 J	0.0019 J	0.0018 J	0.0054 U	0.0011 J	0.0059 U
Chlorobenzene	108-90-7	100	100	1.1	U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Ethyl Benzene	100-41-4	30	41	1		0.0102	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
m/p-Xylenes	179601-23-1				J	0.0034 J	0.0097 U	0.0106 U	0.0107 U	0.0108 U	0.0112 U	0.0118 U
o-Xylene	95-47-6	100	100	0.26		0.0085	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Styrene	100-42-5				J	0.0016 J	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Bromoform	75-25-2				U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Isopropylbenzene	98-82-8	100				0.0069	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
1,1,2,2-Tetrachloroethane	79-34-5	35			U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
1,3-Dichlorobenzene	541-73-1	17	49		U	0.0061 U					0.0056 U	
1,4-Dichlorobenzene	106-46-7	9.8	13		U	0.0061 U					0.0056 U	
1,2-Dichlorobenzene	95-50-1	100	100		U	0.0061 U		0.0053 U			0.0056 U	
1,2-Dibromo-3-Chloropropane	96-12-8				U	0.0061 U		0.0053 U			0.0056 U	
1,2,4-Trichlorobenzene	120-82-1				U	0.0061 U					0.0056 U	
1,2,3-Trichlorobenzene	87-61-6				U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Total TICs												

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



J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quanti

Hexachlorobenzene

118-74-1 0.41

1.2

0.33

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NY SCO -Restricted

		NY SCO -	NY SCO -								
			Restricted Residential w/CP-	NY SCO -							
Sample ID		51 (10/10) (6		Unrestricted Use (6 NYCRR 375-6 12/06)	LSS-SP05- COMP	LSS-SP06- COMP	LSS-SP07- COMP	LSS-SP08- COMP	LSS-SP09- COMP	LSS-SP10- COMP	LSS-SP11- COMP
Lab Sample Number					12493-01	12493-04	12493-06	12493-10	12493-13	12493-14	12493-16
Sampling Date					3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND	CAS#										
Benzaldehyde	100-52-7				1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
Phenol	108-95-2	100	100	0.33	1.9 (3.9 U	1.9 U	1.9 U
bis(2-Chloroethyl)ether	111-44-4				1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
2-Chlorophenol	95-57-8	100			1.9 (3.9 U	1.9 U	1.9 U
2-Methylphenol	95-48-7	100	100	0.33	1.9 (J 2 L	. 2 (J 2 U	3.9 U	1.9 U	1.9 U
2,2-oxybis(1-Chloropropane)	108-60-1				1.9 (J 2 L	. 2 (J 2 U	3.9 U	1.9 U	1.9 U
Acetophenone	98-86-2				1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
3+4-Methylphenols	65794-96-9				1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
n-Nitroso-di-n-propylamine	621-64-7				1.9 (J 2 L	J 2 U	3.9 U		1.9 U
Hexachloroethane	67-72-1				1.9 (J 2 L	2 ل	J 2 U	3.9 U	1.9 U	1.9 U
Nitrobenzene	98-95-3	3.7	15		1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
Isophorone	78-59-1	100			1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
2-Nitrophenol	88-75-5				1.9 (J 2 L	2 ل	J 2 U	3.9 U	1.9 U	1.9 U
2,4-Dimethylphenol	105-67-9				1.9 (J 2 L	2 ل	J 2 U	3.9 U	1.9 U	1.9 U
bis(2-Chloroethoxy)methane	111-91-1				1.9 (J 2 L	J 2 L	2 U	3.9 U	1.9 U	1.9 U
2,4-Dichlorophenol	120-83-2	100			1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
Naphthalene	91-20-3	100	100	12	1.9 (J 2 L	J 2 L	2 U	3.9 U	1.9 U	1.9 U
4-Chloroaniline	106-47-8	100			1.9 (J 2 L	J 2 L	2 U	3.9 U	1.9 U	1.9 U
Hexachlorobutadiene	87-68-3				1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
Caprolactam	105-60-2				1.9 (J 2 L	2 ل	J 2 U	3.9 U	1.9 U	1.9 U
4-Chloro-3-methylphenol	59-50-7				1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
2-Methylnaphthalene	91-57-6	0.41			1.9 (J 2 L	2 ل	J 2 U	3.9 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	77-47-4				1.9 (J 2 L	2 ل	J 2 U	3.9 U	1.9 U	1.9 U
2,4,6-Trichlorophenol	88-06-2				1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	95-95-4	100			1.9 (J 2 L	2 ل	2 U	3.9 U	1.9 U	1.9 U
1,1-Biphenyl	92-52-4				1.9 (J 2 L	2 ل	2 U	3.9 U	1.9 U	1.9 U
2-Chloronaphthalene	91-58-7				1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
2-Nitroaniline	88-74-4				1.9 (J 2 L	2 ل	2 U	3.9 U	1.9 U	1.9 U
Dimethylphthalate	131-11-3	100			1.9 (J 5.8	2 L	0.43 J	3.9 U	1.9 U	0.46 J
Acenaphthylene	208-96-8	100	100	100	1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
2,6-Dinitrotoluene	606-20-2	1.03			1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
3-Nitroaniline	99-09-2				1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
Acenaphthene	83-32-9	100	100	20	1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
2,4-Dinitrophenol	51-28-5	100			1.9 (J 2 L	2 ل	J 2 U	3.9 U	1.9 U	1.9 U
4-Nitrophenol	100-02-7				1.9 (J 2 L	2 L	J 2 U	3.9 U	1.9 U	1.9 U
Dibenzofuran	132-64-9	14	59	7	1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
2,4-Dinitrotoluene	121-14-2				1.9 (J 2 L	2 ل	J 2 U	3.9 U	1.9 U	1.9 U
Diethylphthalate	84-66-2	100			1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
4-Chlorophenyl-phenylether	7005-72-3				1.9 (J 2 L	J 2 L	J 2 U	3.9 U	1.9 U	1.9 U
Fluorene	86-73-7	100	100	30	1.9 (3.9 U	1.9 U	1.9 U
4-Nitroaniline	100-01-6				1.9 (J 2 L	2 L	J 2 U	3.9 U	1.9 U	1.9 U
4,6-Dinitro-2-methylphenol	534-52-1				1.9 (J 2 L	2 L	J 2 U	3.9 U	1.9 U	1.9 U
n-Nitrosodiphenylamine	86-30-6				1.9 (J 2 L	J 2 L	2 U	3.9 U	1.9 U	1.9 U
4-Bromophenyl-phenylether	101-55-3				1.9 (J 2 L	2 L	J 2 U	3.9 U	1.9 U	1.9 U

1.9 U

2 U

2 U

3.9 U

1.9 U

1.9 U

NY SCO -Restricted Residential w/CP-51 (10/10) (6 51 (10/10) (6 Unrestricted Use (6 LSS-SP05 LSS-SP06 LSS-SP09-LSS-SP10-LSS-SP11-NYCRR 375-6 12/06) NYCRR 375-6 12/06) NYCRR 375-6 12/06) Sample ID 12493-16 Lab Sample Number 12493-01 12493-04 12493-06 12493-10 12493-13 12493-14 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 Sampling Date SOIL Matrix mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg Atrazine 1912-24-9 1.9 U 2 U 2 U 2 U 3.9 U 1.9 U Pentachlorophenol 87-86-5 2.4 6.7 0.8 1.9 U 2 U 2 U 2 U 3.9 U 1.9 U 1.9 U Phenanthrene 85-01-8 100 100 100 **0.89** J 0.69 J **0.89** J 2.7 3.9 U 0.47 J 0.85 J 120-12-7 Anthracene 100 100 100 1.9 U 2 U 2 U 0.69 J 3.9 U 1.9 U 1.9 U 86-74-8 1.9 U 2 U 2 U 1.9 U 1.9 U Carbazole 2 U 3.9 U Di-n-butylphthalate 84-74-2 100 1911 2 11 2 U 2 U 3.9 U 1.9 U 1.9 U Fluoranthene 206-44-0 100 100 100 1.5 J 1.3 J 1.6 J 4.7 0.78 J 0.99 J 1.7 J 129-00-0 100 100 100 1.9 1.3 J **1.7** J 4.3 0.9 J 0.92 J 1.6 J Butylbenzylphthalate 85-68-7 100 **1.6** J 4.2 **1.7** J **1.4** J **1.3** J **1.1** J **1.3** J 91-94-1 1.9 U 1.9 U 3,3-Dichlorobenzidine 2 U 2 U 2 U 3.9 U 1.9 U **1.1** J Benzo(a)anthracene 56-55-3 0.89 J 3.9 U 0.61 J **1.1** J Chrysene 218-01-9 3.9 0.87 J 3.9 U 0.66 J Bis(2-ethylhexyl)phthalate 117-81-7 50 5.4 4.3 24 21 7.6 15.1 2 1.9 U 2 U 3.9 U 1.9 U Di-n-octyl phthalate 117-84-0 100 2 U 2 U 1.9 U Benzo(b)fluoranthene 205-99-2 Benzo(k)fluoranthene 207-08-9 3.9 0.8 0.64 J 2 U 0.46 J 3.9 U 1.9 U 0.58 J Benzo(a)pyrene 50-32-8 3.9 U 0.78 J 193-39-5 3.9 U Indeno(1,2,3-cd)pyrene Dibenzo(a.h)anthracene 53-70-3 0.33 0.33 0.33 1.9 U 2 U 2 U 3.9 U 1.9 U 1.9 U 100 100 3.9 U 191-24-2 100 1.4 J 1.1 J 1.6 J 0.98 J 1.5 J Benzo(g,h,i)perylene 2.3 1.9 U 1.2.4.5-Tetrachlorobenzene 95-94-3 2 11 2 11 211 3911 1911 1911 1911 2 11 2 11 211 3911 1.9 U 1911 1.4-Dioxane 123-91-1 9.8 13 0.1

Total TICs 9.33 40 21.17 12.54 21.4 5.78 6.83

1.9 U

2 11

2 11

211

3911

1.9 U

1.9 U

Qualifiers

2,3,4,6-Tetrachlorophenol

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

58-90-2

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.

NY SCO -

- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

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NY SCO - Restricted

Residential w/CP-51 Residential w/CP-51 NY SCO -

(10/10) (6 NYCRR (10/10) (6 NYCRR Unrestricted Use (6

LSS-SP05-COMP LSS-SP06-COMP LSS-SP08-COMP LSS-SP10-COMP 375-6 12/06) 375-6 12/06) NYCRR 375-6 12/06) Sample ID 12493-27 Lab Sample Number 12493-17 12493-19 12493-25 3/30/2017 Sampling Date 3/30/2017 3/30/2017 3/30/2017 SOIL SOIL SOIL SOIL SOIL SOIL SOIL Matrix Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg COMPOUND CAS# RESU 33.2 Reactive Sulfide 33.3 30.1 31.8

Total TICs

Qualifiers

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

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

- J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
 The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
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- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
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Sample ID		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)		LSS-SP05-CON	P LSS-SP06-CC	DMP LSS-SP08-CO	MP LSS-SP10-0	OMP
Lab Sample Number					12493-17	12493-19	12493-25	12493-27	
Sampling Date					3/30/2017	3/30/2017	3/30/2017	3/30/2017	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
COMPOUND	CAS#								
Reactive Cyanide	RECY					0.05 U	0.05 U	0.05 U	0.05 U

Total TICs

Qualifiers

- U The compound was not detected at the indicated concentration.
- N (Organics) Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

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

 The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

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NY SCO -NY SCO -Restricted

Residential w/CP-51 Residential w/CP-51 NY SCO -

		(10/10) (6 NYCRR	(10/10) (6 NYCRR	Unrestricted Use (6				
Sample ID		375-6 12/06)	375-6 12/06)	NYCRR 375-6 12/06)	LSS-SP06-COMP	LSS-SP08-COMP	LSS-SP10-COMP	LSS-SP11-COMP
Lab Sample Number					12493-04	12493-10	12493-14	12493-16
Sampling Date					3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND	CAS #							
alpha-BHC	319-84-6	0.097	0.48	0.02	0.0021 L	0.002 L	0.002 U	0.002 U
beta-BHC	319-85-7	0.072	0.36	0.036	0.0021 L	0.002 L	0.002 U	0.002 U
delta-BHC	319-86-8	100	100	0.04	0.0021 L	0.002 L	0.002 U	0.002 U
gamma-BHC (Lindane)	58-89-9	0.28	1.3	0.1	0.0021 L	0.002 L	0.002 U	0.002 U
Heptachlor	76-44-8	0.42	2.1	0.042	0.0021 L	0.002 L	0.002 U	0.002 U
Aldrin	309-00-2	0.019	0.097	0.005	0.0021 L	0.002 L	0.002 U	0.002 U
Heptachlor epoxide	1024-57-3	0.077			0.0021 L	0.002 L	0.002 U	0.002 U
Endosulfan I	959-98-8	4.8	24	2.4	0.0021 L	0.002 L	0.002 U	0.002 U
Dieldrin	60-57-1	0.039	0.2	0.005	0.0021 L	0.002 L	0.002 U	0.002 U
4,4-DDE	72-55-9	1.8	8.9	0.0033	0.0021 L	0.002 L	0.002 U	0.002 U
Endrin	72-20-8	2.2	11	0.014	0.0021 L	0.002 L	0.002 U	0.002 U
Endosulfan II	33213-65-9	4.8	24	2.4	0.0021 L	0.002 L	0.002 U	0.002 U
4,4-DDD	72-54-8	2.6	13	0.0033	0.0021 L	0.002 L	0.002 U	0.002 U
Endosulfan Sulfate	1031-07-8	4.8	24	2.4	0.0021 L	0.002 L	0.002 U	0.002 U
4,4-DDT	50-29-3	1.7	7.9	0.0033	0.0021 L	0.002 L	0.002 U	0.002 U
Methoxychlor	72-43-5	100			0.0021 L	0.002 L	0.002 U	0.002 U
Endrin ketone	53494-70-5				0.0021 L	0.002 L	0.002 U	0.002 U
Endrin aldehyde	7421-93-4				0.0021 L	0.002 L	0.002 U	0.002 U
alpha-Chlordane	5103-71-9	0.91	4.2	0.094	0.0021 L	0.002 L	0.002 U	0.002 U
gamma-Chlordane	5103-74-2	0.54			0.0021 L	0.002 L	0.002 U	0.002 U
Toxaphene	8001-35-2				0.0205 U	0.0204 L	0.0199 U	0.0197 U

Total TICs

Qualifiers

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

N (Organics) - Presumptive Evidence of a Compound

- J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
- E (Inorganics) The reported value is estimated because of the presence of interference.
- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

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The comparison of the regulatory limits in this report reflect the current Chemtech Consulting Group Inc. knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID Lab Sample Number Sampling Date Matrix Units		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06) SOIL mg/kg	(10/10) (6 NYCRR		LSS-SP05-COMP 12493-01 3/30/2017 SOIL mg/kg	LSS-SP06-COMP 12493-04 3/30/2017 SOIL mg/kg	LSS-SP07-COMP 12493-06 3/30/2017 SOIL mg/kg	LSS-SP08-COMP 12493-10 3/30/2017 SOIL mg/kg	12493-13 3/30/2017 SOIL	LSS-SP10-COMP 2493-14 3/30/2017 SOIL mg/kg	LSS-SP11-COMP 12493-16 3/30/2017 SOIL mg/kg
COMPOUND	CAS#					55		55			
Aroclor-1016	12674-11-2	1	1	0.1	0.61 D	0.28	0.19	0.13 P	0.59 D	0.19	0.12 P
Aroclor-1221	11104-28-2	1	1	0.1	0.0198 U	0.0205 U	0.0203 U	0.0204 U	0.0199 U	0.0199 U	0.0197 U
Aroclor-1232	11141-16-5	1	1	0.1	0.0198 U	0.0205 U	0.0203 U	0.0204 U	0.0199 U	0.0199 U	0.0197 U
Aroclor-1242	53469-21-9	1	1	0.1	0.0198 U	0.0205 U	0.0203 U	0.0204 U	0.0199 U	0.0199 U	0.0197 U
Aroclor-1248	12672-29-6	1	1	0.1	0.0198 U	0.0205 U	0.0203 U	0.0204 U	0.0199 U	0.0199 U	0.0197 U
Aroclor-1254	11097-69-1	1	1	0.1	0.48 D	0.36	0.38	0.32	0.37	0.33	0.28
Aroclor-1262	37324-23-5				0.0198 U	0.0205 U	0.0203 U	0.0204 U	0.0199 U	0.0199 U	0.0197 U
Aroclor-1268	11100-14-4				0.0198 U	0.0205 U	0.0203 U	0.0204 U	0.0199 U	0.0199 U	0.0197 U
Aroclor-1260	11096-82-5	1	1	0.1	0.35	0.32	0.37	0.38	0.34	0.33	0.34

Total TICs

Qualifiers

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

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Sample ID Lab Sample Number Sampling Date		(10/10) (6 NYCRR 375-6 12/06)		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	LSS-SP05-COMP 12493-01 3/30/2017	LSS-SP06-COMP 12493-04 3/30/2017	LSS-SP07-COMP 12493-06 3/30/2017	LSS-SP08-COMP 12493-10 3/30/2017	LSS-SP09-COMP 12493-13 3/30/2017	LSS-SP10-COMP 12493-14 3/30/2017	LSS-SP11-COMP 12493-16 3/30/2017
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND	CAS#										
Antimony	7440-36-0				3.72	3.49	4.17	3.19	5.5	6.87	2.73
Arsenic	7440-38-2	16	16	13	10.1	9.76	10.3	7.78	12.9	10	7.95
Barium	7440-39-3	350	400	350	285	300	402	377	303	303	281
Beryllium	7440-41-7	14	72	7.2	0.07 J	0.091 J	0.118 J	0.074 J	0.29 U	0.111 J	0.28 U
Cadmium	7440-43-9	2.5	4.3	2.5	6.73	7.66	7.45	6.68	16.1	7.6	6.75
Chromium	7440-47-3				30.5	35.7	32.5	35.6	45.2	34.1	26.4
Copper	7440-50-8	270	270	50	23900 D	363	363	325	1640	2570	407
Lead	7439-92-1	400	400	63	694	743	1150	876	1110	1070	626
Mercury	7439-97-6	0.81	0.81	0.18	1.05 D	1.21 D	0.244	1.31 D	1.12 D	1.56 D	1.14 D
Nickel	7440-02-0	140	310	30	85.8	150	108	118	136	114	88.9
Selenium	7782-49-2	36	180	3.9	1.64	4.85	5.35	19.5	5.5	2.83	3.02
Silver	7440-22-4	36	180	2	0.5 U	0.416 J	0.51 L	0.893	8.48	22.7	6.91
Thallium	7440-28-0				2.89	2.9	2.88	2.04 L	4.38	2.69	2.7
Vanadium	7440-62-2	100			38.1	43.2	43.5	52.1	35.5	34.8	40.5
Zinc	7440-66-6	2200	10000	109	1250	1420	1680	1550	1310	1650	1010

Total TICs

Qualifiers

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N (Inorganics) - The matrix spike recovery was outside control limits

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		NY SCO -	NY SCO - Restricted							
		Residential w/CP-51	Residential w/CP-51	NY SCO -						
		(10/10) (6 NYCRR	(10/10) (6 NYCRR	Unrestricted Use (6						
Sample ID		375-6 12/06)	375-6 12/06)	NYCRR 375-6 12/06)	LSS-SP05-COMP	LSS-SP06-COMP	LSS-SP08-0	COMP	LSS-SP10-COM	IP
Lab Sample Number					12493-17	12493-19	12493-25		12493-27	
Sampling Date					3/30/2017	3/30/2017	3/30/2017		3/30/2017	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		SOIL	
Units		mg/kg	mg/kg	mg/kg						
COMPOUND	CAS#									
Ignitability	IGNIT				No		No	No		No

Total TICs

Qualifiers

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Sample ID		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-5 (10/10) (6 NYCRR 375-6 12/06)		LSS-SP05-COMP	LSS-SP06-COMP	LSS-SP07-C0	OMP LSS-SP08-0	COMP LSS-SP09-	COMP L	.SS-SP10-COMP
Lab Sample Number					12493-01	12493-04	12493-06	12493-10	12493-13	l:	2493-14
Sampling Date					3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3	3/30/2017
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	S	OIL
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	n	ng/kg
COMPOUND	CAS#										
GRO	GRO				0.074	0.055	U	0.054 U	0.054 U	0.052 U	0.053 U

Total TICs

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		NY SCO - Residential w/CP-5 (10/10) (6 NYCRR	NT SCO - Restricted 1 Residential w/CP-5 (10/10) (6 NYCRR	1 NY SCO - Unrestricted Use (6										
Sample ID		375-6 12/06)	375-6 12/06)	NYCRR 375-6 12/06)	LSS-SP05-CO	MP	LSS-SP06-COMP	LSS-SP07-CO	MP	LSS-SP08-COM	P L	SS-SP09-COMP	LSS-SP1	0-COMP
Lab Sample Number					12493-01		12493-04	12493-06		12493-10	12	2493-13	12493-14	
Sampling Date					3/30/2017		3/30/2017	3/30/2017		3/30/2017	3	3/30/2017	3/30/2017	•
Matrix		SOIL	SOIL	SOIL	SOIL		SOIL	SOIL		SOIL	S	SOIL	SOIL	
Units		mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg		mg/kg	n	ng/kg	mg/kg	
COMPOUND	CAS#													
DRO	DRO					2263	1068		329		771	1313		912

Total TICs

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Sample ID		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)		LSS-SP05-COMP	LSS-SP06-COMP	LSS-SP08-COM	IP LSS-SP10-COMP	
Lab Sample Number					12493-01	12493-04	12493-10	I2493-14	
Sampling Date					3/30/2017	3/30/2017	3/30/2017	3/30/2017	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
COMPOUND	CAS#								
Cyanide	57-12-5	27	27	27	0.036	J 0.05	J	0.14 J 0.1	.11 J

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NY SCO - Restricted

Residential w/CP-51 Residential w/CP-51 NY SCO -

(10/10) (6 NYCRR (10/10) (6 NYCRR Unrestricted Use (6

LSS-SP05-COMP LSS-SP06-COMP LSS-SP08-COMP LSS-SP10-COMP 375-6 12/06) 375-6 12/06) NYCRR 375-6 12/06) Sample ID 12493-19 12493-27 Lab Sample Number 12493-17 12493-25 3/30/2017 Sampling Date 3/30/2017 3/30/2017 3/30/2017 SOIL SOIL SOIL SOIL SOIL SOIL SOIL Matrix pН Units mg/kg mg/kg mg/kg pН pН pН

COMPOUND CAS #

Corrosivity 7.62 7.64 7.98 7.97

Total TICs

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Sample ID		TCLP Maximum Contaminant Concentrations (40 CFR 261 6/96)	LSS-SP05- GRAB(E)	LSS-SP06- GRAB(B)	LSS-SP07- GRAB(C)	LSS-SP08- GRAB(D)	LSS-SP09- GRAB(E)	LSS-SP10- GRAB(A)
Lab Sample Number			12493-18	12493-20	12493-22	12493-23	12493-24	12493-28
Sampling Date			3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix		TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP
Units		mg/L	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
COMPOUND	CAS#							
Vinyl Chloride	75-01-4	0.2	0.025 U					
1,1-Dichloroethene	75-35-4	0.7	0.025 U					
2-Butanone	78-93-3	200	0.13 U					
Carbon Tetrachloride	56-23-5	0.5	0.025 U					
Chloroform	67-66-3	6	0.025 U					
Benzene	71-43-2	0.5	0.025 U					
1,2-Dichloroethane	107-06-2	0.5	0.025 U					
Trichloroethene	79-01-6	0.5	0.025 U					
Tetrachloroethene	127-18-4	0.7	0.025 U					
Chlorobenzene	108-90-7	100	0.025 U					

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		TCLP Maximum Contaminant Concentrations (40											
Sample ID		CFR 261 6/96)	LSS-SP05-	COMP	LSS-SP06-	COMP	LSS-SP07-	COMP	LSS-SP08-0	OMP	LSS-SP09-COMP	LSS-SP	10-COMP
Lab Sample Number			12493-17		12493-19		12493-21		12493-25		12493-26	12493-27	•
Sampling Date			3/30/2017		3/30/2017		3/30/2017		3/30/2017		3/30/2017	3/30/201	7
Matrix		TCLP	TCLP		TCLP		TCLP		TCLP		TCLP	TCLP	
Units		mg/L	mg/l		mg/l		mg/l		mg/l		mg/l	mg/l	
COMPOUND	CAS#												
gamma-BHC (Lindane)	58-89-9	0.4		0.0005 U		0.0005 U		0.0005 U		0.0005 U	0.0005	U	0.0005 U
Heptachlor	76-44-8	0.008		0.0005 U		0.0005 U		0.0005 U		0.0005 U	0.0005	U	0.0005 U
Heptachlor epoxide	1024-57-3	0.008		0.0005 U		0.0005 U		0.0005 U		0.0005 U	0.0005	U	0.0005 U
Endrin	72-20-8	0.02		0.0005 U		0.0005 U		0.0005 U		0.0005 U	0.0005	U	0.0005 U
Methoxychlor	72-43-5	10		0.0005 U		0.0005 U		0.0005 U		0.0005 U	0.0005	U	0.0005 U
Toxaphene	8001-35-2	0.5		0.005 U		0.005 U		0.005 U		0.005 U	0.005	U	0.005 U
Chlordane	57-74-9			0.005 U		0.005 U		0.005 U		0.005 U	0.005	U	0.005 U

Total TICs

Qualifiers

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TCLP Maximum
Contaminant
Concentrations (40

		Concentrations (40						
Sample ID		CFR 261 6/96)	LSS-SP05-COMP	LSS-SP06-COMP	LSS-SP07-COMP	LSS-SP08-COMP	LSS-SP09-COMP	LSS-SP10-COMP
Lab Sample Number			12493-17	12493-19	12493-21	12493-25	12493-26	12493-27
Sampling Date			3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix		TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP
Units		mg/L	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
COMPOUND	CAS#							
Arsenic	7440-38-2	5	0.1	U 0.1 l	J 0.1 L	J 0.1 U	0.1 U	0.1 U
Barium	7440-39-3	100	2.14	2.56	1.28	1.19	1.27	2.7
Cadmium	7440-43-9	1	0.108	0.117	0.101	0.0411	0.0516	0.123
Chromium	7440-47-3	5	0.0317	J 0.05 l	J 0.05 L	J 0.05 U	0.0296 J	0.0159 J
Copper	7440-50-8		4.1	2.42	2.81	1.03	0.592	8.57
Lead	7439-92-1	5	5.85	0.748	0.913	0.323	0.467	1.53
Mercury	7439-97-6	0.2	0.002	U 0.002 l	J 0.002 l	J 0.002 U	0.002 U	0.002 U
Nickel	7440-02-0		0.523	0.713	0.491	0.134 J	0.218	0.477
Selenium	7782-49-2	1	0.1	U 0.1 l	J 0.1 L	J 0.1 U	0.1 U	0.1 U
Silver	7440-22-4	5	0.05	U 0.05 l	J 0.05 L	J 0.05 U	0.05 U	0.05 U
Zinc	7440-66-6		19.1	23.5	23.9	6.22	7.13	16.7

Total TICs

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		Contaminant Concentrations (40						
Sample ID		CFR 261 6/96)	LSS-SP05-COMP	LSS-SP06-COMP	LSS-SP07-COMP	LSS-SP08-COMF	LSS-SP09-COM	P LSS-EB
Lab Sample Number			12493-17	12493-19	12493-21	12493-25	12493-26	12493-27
Sampling Date			3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix		TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP
Units		mg/L	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
COMPOUND	CAS#							
2,4-D	94-75-7	10	0.02	U 0.0	2 U 0.03	2 U 0	.02 U	0.02 U 0.02 U
2,4,5-TP (Silvex)	93-72-1	1	0.02	U 0.0	2 U 0.03	2 U 0	.02 U	0.02 U 0.02 U

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- J Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
 The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

TCLP Maximum

- * (Inorganics) The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed

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The comparison of the regulatory limits in this report reflect the current Chemtech Consulting Group Inc. knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

ICLP Maximum Contaminant **Concentrations (40** LSS-SP05-Sample ID CFR 261 6/96) LSS-SP05-COMP COMPRE LSS-SP06-COMP LSS-SP07-COMP LSS-SP08-COMP LSS-SP09-COMP LSS-SP10-COMP 12493-17 12493-19 12493-21 12493-25 12493-26 12493-27 Lab Sample Number I2493-17RE 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 3/30/2017 Sampling Date TCLP TCLP **TCLP** TCLP **TCLP** TCLP TCLP TCLP Matrix mg/L mg/l mg/l mg/l mg/l mg/l mg/l mg/l Units COMPOUND CAS# Pyridine 110-86-1 5 0.1 U 1,4-Dichlorobenzene 106-46-7 7.5 0.1 U 2-Methylphenol 95-48-7 200 0.1 U 3+4-Methylphenols 65794-96-9 67-72-1 3 0.1 U Hexachloroethane 0.1 U 0.1 U 0.1 U Nitrobenzene 98-95-3 2 0.1 U 0.1 U 0.1 U 0.1 U 0.5 0.1 U Hexachlorobutadiene 87-68-3 2,4,6-Trichlorophenol 88-06-2 2 0.1 U 2,4,5-Trichlorophenol 95-95-4 400 0.1 U 2,4-Dinitrotoluene 121-14-2 0.13 0.1 U 0.13 0.1 U 0.1 U 0.1 U 0.1 U 0.1 U 0.1 U Hexachlorobenzene 118-74-1 0.1 U Pentachlorophenol 87-86-5 0.1 U 100

Total TICs

Qualifiers

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

N (Organics) - Presumptive Evidence of a Compound

N (Inorganics) - The matrix spike recovery was outside control limits

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

 The concentration given is an approximate value.
- B The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- * (Organics) For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- * (Inorganics) $\,$ The sample/duplicate %RPD was above the control limit.
- E (Organics) Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.

- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- Q indicates LCS control criteria did not meet requirements.
- NR Not analyzed