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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.

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:

Lab Analytes	QTY	Reuse Option		Waste Disposal Options			
		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)	
		#	Type	#	Type	#	Type
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 +Cu, Ni, Zn, Pesticides, Herbicides)	10			8	5-pt Composite and Grab (VOCs only)	10	5-pt Composite and 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

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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,

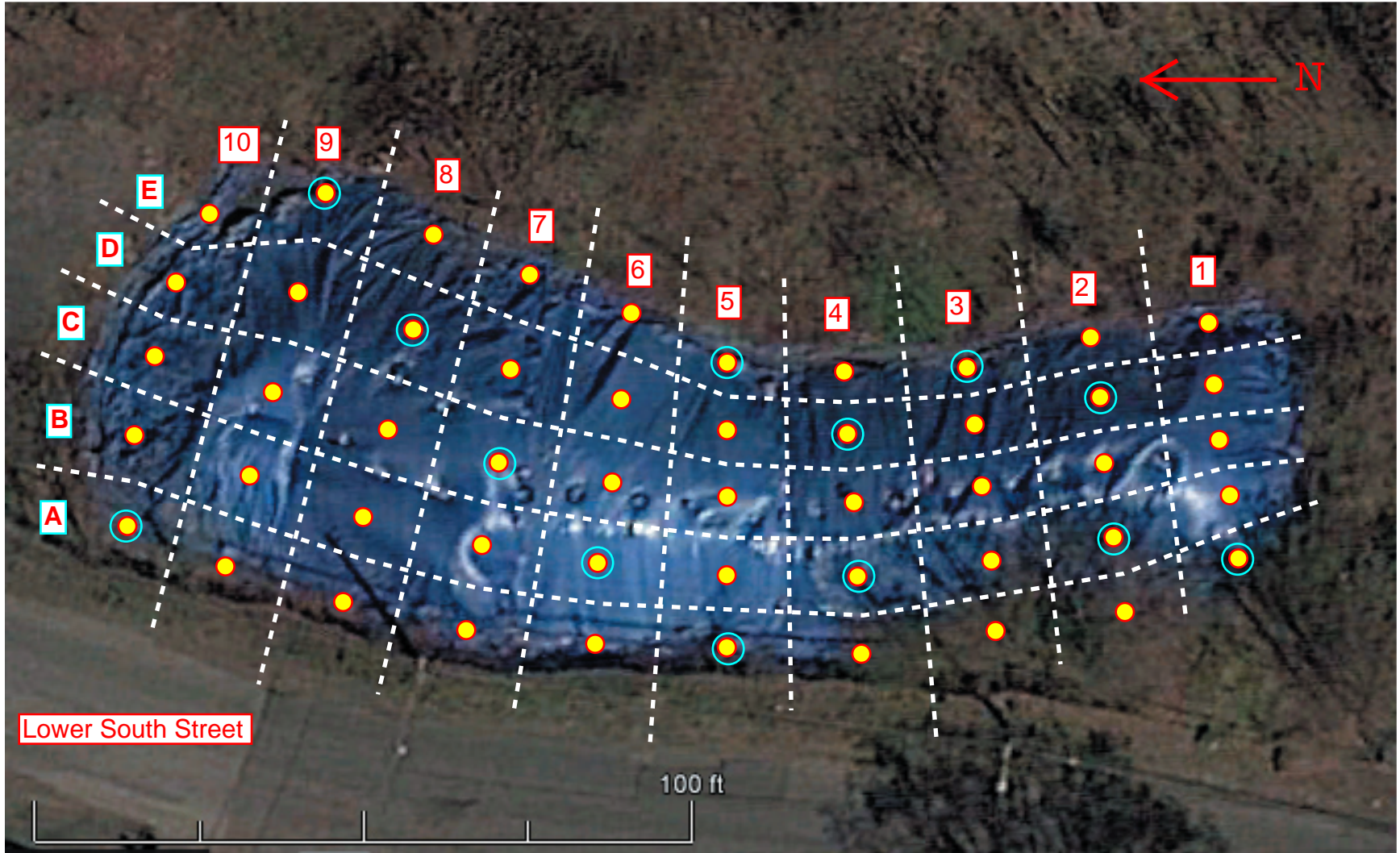
A handwritten signature in black ink, appearing to read "Arlette St. Romain". The signature is fluid and cursive, with the first name being the most prominent.

Arlette St. Romain

Director, Environmental Due Diligence and Brownfield Investigations

cc: Steven Berninger, NYSDOH

Jim Pinto, City of Peekskill



- 1 Composite Soil Sampling Areas
- A Grab Soil Sample Grid
- Composite Soil Sample Location
- Grab Soil Sample Location



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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 - 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-SP01-COMP - I2495	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB
3/30/2017	LSS-SP01-COMPRE - I2495	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB
3/30/2017	LSS-SP01-GRAB(A) - I2495	✓	✓	✓	
3/30/2017	LSS-SP01-GRAB(A)RE - I2495	✓	✓	✓	
3/30/2017	LSS-SP02-COMP - I2495	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB
3/30/2017	LSS-SP02-COMPRE - I2495	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB
3/30/2017	LSS-SP02-GRAB(B) - I2495	✓	✓	✓	
3/30/2017	LSS-SP02-GRAB(B)RE - I2495	✓	✓	✓	
3/30/2017	LSS-SP02-GRAB(D) - I2495	✓	✓	✓	
3/30/2017	LSS-SP02-GRAB(D)RE - I2495	✓	✓	✓	
3/30/2017	LSS-SP03-COMP - I2495	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB
3/30/2017	LSS-SP03-COMPRE - I2495	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB
3/30/2017	LSS-SP03-GRAB(E) - I2495	✓	✓	✓	
3/30/2017	LSS-SP03-GRAB(E)RE - I2495	✓	✓	✓	
3/30/2017	LSS-SP04-COMP - I2495	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP04-COMPRE - I2495	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP04-GRAB(B) - I2495	✓	✓	✓	
3/30/2017	LSS-SP04-GRAB(D) - I2495	✓	✓	✓	
3/30/2017	LSS-SP04-GRAB(D)RE - I2495	✓	✓	✓	
3/30/2017	LSS-SP01-COMP - I2495	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB
3/30/2017	LSS-SP02-COMP - I2495	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB
3/30/2017	LSS-SP03-COMP - I2495	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB
3/30/2017	LSS-SP04-COMP - I2495	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20

TCLP Criteria

SamplingDate	Sample	[TCLP Maximum 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)	✓	

Sample ID		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCU - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	LSS-SP01-COMP	LSS-SP01-COMP	LSS-SP01-GRAB(A)	LSS-SP01-GRAB(A)RE	LSS-SP02-COMP	LSS-SP02-COMP	LSS-SP02-GRAB(B)	LSS-SP02-GRAB(B)RE	LSS-SP02-GRAB(D)	LSS-SP02-GRAB(D)RE	LSS-SP03-COMP	LSS-SP03-COMP
Lab Sample Number					I2495-01	I2495-01RE	I2495-02	I2495-02RE	I2495-03	I2495-03RE	I2495-04	I2495-04RE	I2495-05	I2495-05RE	I2495-06	I2495-06RE
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	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	mg/kg
Bromoform	75-25-2				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
Isopropylbenzene	98-82-8	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
1,1,2,2-Tetrachloroethane	79-34-5	35			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
1,3-Dichlorobenzene	541-73-1	17	49	2.4	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
1,4-Dichlorobenzene	106-46-7	9.8	13	1.8	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
1,2-Dichlorobenzene	95-50-1	100	100	1.1	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
1,2-Dibromo-3-Chloropropane	96-12-8				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
1,2,4-Trichlorobenzene	120-82-1				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
1,2,3-Trichlorobenzene	87-61-6				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

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

CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 789-8901

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

Sample ID	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)		LSS-SP03-GRAB(E)	LSS-SP03-GRAB(E)RE	LSS-SP04-COMP	LSS-SP04-COMP	LSS-SP04-GRAB(B)	LSS-SP04-GRAB(D)	LSS-SP04-GRAB(D)RE
	Lab Sample Number	Sampling Date	Matrix	Units	CAS #	I2495-07	I2495-07RE	I2495-08	I2495-08RE	I2495-09	I2495-10	I2495-10RE	
Matrix	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	
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	
Toluene	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	
t-1,3-Dichloropropene	10061-02-6					0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U	
cis-1,3-Dichloropropene	10061-01-5					0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U	
1,1,2-Trichloroethane	79-00-5					0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U	
2-Hexanone	591-78-6					0.0284 U	0.0255 U	0.0262 U	0.025 U	0.0275 U	0.0246 U	0.0245 U	
Dibromochloromethane	124-48-1					0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U	
1,2-Dibromoethane	106-93-4					0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U	
Tetrachloroethene	127-18-4	5.5	19	1.3		0.0024 J	0.0013 J	0.0015 J	0.0012 J	0.0055 U	0.0049 U	0.0049 U	
Chlorobenzene	108-90-7	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	
Ethyl Benzene	100-41-4	30	41	1		0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 U	0.0049 U	0.0049 U	
m/p-Xylenes	179601-23-1					0.0114 U	0.0102 U	0.0105 U	0.01 U	0.011 U	0.0098 U	0.0098 U	
o-Xylene	95-47-6	100	100	0.26		0.0057 U	0.0051 U	0.0052 U	0.005 U	0.0055 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	

Sample ID		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCU - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	LSS-SP03- GRAB(E)	LSS-SP03- GRAB(E)RE	LSS-SP04-COMP	LSS-SP04- COMPRE	LSS-SP04- GRAB(B)	LSS-SP04- GRAB(D)	LSS-SP04- GRAB(D)RE	
Lab Sample Number					I2495-07	I2495-07RE	I2495-08	I2495-08RE	I2495-09	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 contaminat

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is gr

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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 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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Sample ID	CAS #	NY SCO -	NY SCO - Restricted	NY SCO -	LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
		Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	Unrestricted Use (6 NYCRR 375-6 12/06)	I2495-01	I2495-03	I2495-06	I2495-08
Lab Sample Number								
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 #							
Benzaldehyde	100-52-7				1.6 U	0.46 J	2 U	1.9 U
Phenol	108-95-2	100	100	0.33	1.6 U	2 U	2 U	1.9 U
bis(2-Chloroethyl)ether	111-44-4				1.6 U	2 U	2 U	1.9 U
2-Chlorophenol	95-57-8	100			1.6 U	2 U	2 U	1.9 U
2-Methylphenol	95-48-7	100	100	0.33	1.6 U	2 U	2 U	1.9 U
2,2-oxybis(1-Chloropropane)	108-60-1				1.6 U	2 U	2 U	1.9 U
Acetophenone	98-86-2				1.6 U	2 U	2 U	1.9 U
3+4-Methylphenols	65794-96-9				1.6 U	2 U	2 U	1.9 U
n-Nitroso-di-n-propylamine	621-64-7				1.6 U	2 U	2 U	1.9 U
Hexachloroethane	67-72-1				1.6 U	2 U	2 U	1.9 U
Nitrobenzene	98-95-3	3.7	15		1.6 U	2 U	2 U	1.9 U
Isophorone	78-59-1	100			1.6 U	2 U	2 U	1.9 U
2-Nitrophenol	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

Sample ID	CAS #	NY SCO -	NY SCO - Restricted	NY SCO -	LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
		Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	Unrestricted Use (6 NYCRR 375-6 12/06)	I2495-01	I2495-03	I2495-06	I2495-08
Lab Sample Number					3/30/2017	3/30/2017	3/30/2017	3/30/2017
Sampling Date								
Matrix	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
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
3-Nitroaniline	99-09-2				1.6 U	2 U	2 U	1.9 U
Acenaphthene	83-32-9	100	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
4-Nitrophenol	100-02-7				1.6 U	2 U	2 U	1.9 U
Dibenzofuran	132-64-9	14	59	7	1.6 U	2 U	2 U	1.9 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
4-Chlorophenyl-phenylether	7005-72-3				1.6 U	2 U	2 U	1.9 U
Fluorene	86-73-7	100	100	30	1.6 U	2 U	2 U	1.9 U
4-Nitroaniline	100-01-6				1.6 U	2 U	2 U	1.9 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
Anthracene	120-12-7	100	100	100	1.6 U	2 U	2 U	1.9 U
Carbazole	86-74-8				1.6 U	2 U	2 U	1.9 U
Di-n-butylphthalate	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
Pyrene	129-00-0	100	100	100	0.44 J	1.1 J	0.57 J	0.81 J
Butylbenzylphthalate	85-68-7	100			0.62 J	1.3 J	1.1 J	1.1 J
3,3-Dichlorobenzidine	91-94-1				1.6 U	2 U	2 U	1.9 U
Benzo(a)anthracene	56-55-3	1	1	1	1.6 U	0.58 J	2 U	0.47 J
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
Benzo(k)fluoranthene	207-08-9	1	3.9	0.8	1.6 U	2 U	2 U	1.9 U
Benzo(a)pyrene	50-32-8	1	1	1	0.33 J	0.61 J	0.43 J	0.57 J
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	0.5	1.6 U	2 U	2 U	0.52 J
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	0.33	1.6 U	2 U	2 U	1.9 U

Sample ID	CAS #	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)	LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Sample Number		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sampling Date								
Matrix								
Units								
COMPOUND								
Benzo(g,h,i)perylene	191-24-2	100	100	100	0.38 J	0.64 J	0.5 J	0.73 J
1,2,4,5-Tetrachlorobenzene	95-94-3				1.6 U	2 U	2 U	1.9 U
1,4-Dioxane	123-91-1	9.8	13	0.1	1.6 U	2 U	2 U	1.9 U
2,3,4,6-Tetrachlorophenol	58-90-2				1.6 U	2 U	2 U	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
- 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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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)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
Lab Sample Number				I2495-11	I2495-12	I2495-13	I2495-14
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 Sulfide	RESU			28.6	36.6	46	42.7

Total TICs

Qualifiers

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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.

* (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.

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Lab Sample Number				I2495-11	I2495-12	I2495-13	I2495-14	
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

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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.

* (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.

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Sample ID	CAS #	NY SCO -	NY SCO -	NY SCO -	LSS-SP02-COMP	LSS-SP04-COMP
		Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	Unrestricted Use (6 NYCRR 375-6 12/06)	I2495-03	I2495-08
Lab Sample Number					3/30/2017	3/30/2017
Sampling Date						
Matrix	SOIL	SOIL	SOIL		SOIL	SOIL
Units	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg
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	100	0.04	0.002 U	0.002 U
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	60-57-1	0.039	0.2	0.005	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	2.2	11	0.014	0.002 U	0.002 U
Endosulfan II	33213-65-9	4.8	24	2.4	0.002 U	0.002 U
4,4-DDD	72-54-8	2.6	13	0.0033	0.002 U	0.002 U
Endosulfan Sulfate	1031-07-8	4.8	24	2.4	0.002 U	0.002 U
4,4-DDT	50-29-3	1.7	7.9	0.0033	0.002 U	0.002 U
Methoxychlor	72-43-5	100			0.002 U	0.002 U
Endrin ketone	53494-70-5				0.002 U	0.002 U
Endrin aldehyde	7421-93-4				0.002 U	0.002 U
alpha-Chlordane	5103-71-9	0.91	4.2	0.094	0.002 U	0.002 U
gamma-Chlordane	5103-74-2	0.54			0.002 U	0.002 U
Toxaphene	8001-35-2				0.0202 U	0.0197 U

Total TICs

Qualifiers

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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.

* (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.

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Sample ID	Lab Sample Number	Sampling Date	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)	LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
			SOIL mg/kg	SOIL mg/kg	SOIL mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND	CAS #								
Aroclor-1016	12674-11-2	1	1	0.1	0.1	0.1 P	0.22	0.12	0.15
Aroclor-1221	11104-28-2	1	1	0.1	0.1	0.0202 U	0.0202 U	0.0201 U	0.0197 U
Aroclor-1232	11141-16-5	1	1	0.1	0.1	0.0202 U	0.0202 U	0.0201 U	0.0197 U
Aroclor-1242	53469-21-9	1	1	0.1	0.1	0.0202 U	0.0202 U	0.0201 U	0.0197 U
Aroclor-1248	12672-29-6	1	1	0.1	0.1	0.0202 U	0.0202 U	0.0201 U	0.0197 U
Aroclor-1254	11097-69-1	1	1	0.1	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	0.1	0.28	0.21	0.26	0.33

Total TICs

Qualifiers

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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.

* (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.

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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	NY SCU - Residential w/CP- 51 (10/10) (6 NYCRR 375-6 12/06)		NY SCU - Restricted Residential w/CP- 51 (10/10) (6 NYCRR 375-6		NY SCU - Unrestricted Use (6 NYCRR 375-6 12/06)	LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
	Lab Sample Number	SOIL mg/kg	SOIL mg/kg	SOIL mg/kg		I2495-01 SOIL mg/kg	I2495-03 SOIL mg/kg	I2495-06 SOIL mg/kg	I2495-08 SOIL mg/kg
Sampling Date	CAS #					3/30/2017	3/30/2017	3/30/2017	3/30/2017
Matrix						SOIL	SOIL	SOIL	SOIL
Units						mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND	CAS #								
Antimony	7440-36-0					4.52	20	2.89	3.52
Arsenic	7440-38-2	16	16	13		10	7.55	8.5	9.66
Barium	7440-39-3	350	400	350		366	279	313	331
Beryllium	7440-41-7	14	72	7.2		0.087 J	0.112 J	0.105 J	0.3 U
Cadmium	7440-43-9	2.5	4.3	2.5		10.7	6.13	7.51	8.52
Chromium	7440-47-3					30.8	27.7	28	34.5
Copper	7440-50-8	270	270	50		329	252	405	296
Lead	7439-92-1	400	400	63		1030	673	700	1740
Mercury	7439-97-6	0.81	0.81	0.18		2.06 D	1.07 D	1.19 D	0.869 D
Nickel	7440-02-0	140	310	30		76.1	64.6	75	95.3
Selenium	7782-49-2	36	180	3.9		1.13	1.01	0.7 J	1.12
Silver	7440-22-4	36	180	2		0.572	0.204 J	0.656	0.634
Thallium	7440-28-0					3.09	2.51	2.33	3.46
Vanadium	7440-62-2	100				38.6	38.6	39.2	43
Zinc	7440-66-6	2200	10000	109		1320	1070	1160	1400

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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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)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
Lab Sample Number				I2495-11	I2495-12	I2495-13	I2495-14
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				
COMPOUND	CAS #						
Ignitability	IGNIT			No	No	No	No

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)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP	
Lab Sample Number				I2495-01	I2495-03	I2495-06	I2495-08	
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	0.053 U	0.052 U

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Lab Sample Number				I2495-01	I2495-03	I2495-06	I2495-08
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 #						
DRO	DRO			397	782	510	696

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Lab Sample Number					I2495-01	I2495-03	I2495-06	I2495-08
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

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Lab Sample Number				I2495-11	I2495-12	I2495-13	I2495-14
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	pH	pH	pH	pH
COMPOUND	CAS #						
Corrosivity				7.84	7.69	7.94	7.57

Total TICs

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Sample ID	TCLP Maximum Contaminant Concentrations (40 CFR 261 6/96)		LSS-SP01-GRAB(A)	LSS-SP02-GRAB(D)	LSS-SP03-GRAB(E)	LSS-SP04-GRAB(D)
Lab Sample Number			I2495-15	I2495-16	I2495-17	I2495-18
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 #					
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

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Sample ID	I CLP Maximum Contaminant Concentrations (40 CFR 261 6/96)		LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
Lab Sample Number			I2495-11	I2495-12	I2495-13	I2495-14
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 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
Heptachlor epoxide	1024-57-3	0.008	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
Methoxychlor	72-43-5	10	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
Chlordane	57-74-9		0.005 U	0.005 U	0.005 U	0.005 U

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Sample ID	TCLP Maximum Contaminant Concentrations (40 CFR 261 6/96)		LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
Lab Sample Number			I2495-11	I2495-12	I2495-13	I2495-14
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	0.1 U	0.1 U	0.1 U	0.1 U
Barium	7440-39-3	100	1.85	1.22	1.26	1.25
Cadmium	7440-43-9	1	0.0562	0.0363	0.0462	0.0486
Chromium	7440-47-3	5	0.05 U	0.0723	0.0283 J	0.0365 J
Copper	7440-50-8		0.884	1.2	0.825	0.877
Lead	7439-92-1	5	0.4	0.212	0.33	0.405
Mercury	7439-97-6	0.2	0.002 U	0.002 U	0.002 U	0.002 U
Nickel	7440-02-0		0.0624 J	0.0942 J	0.0764 J	0.185 J
Selenium	7782-49-2	1	0.1 U	0.1 U	0.1 U	0.1 U
Silver	7440-22-4	5	0.05 U	0.05 U	0.05 U	0.05 U
Zinc	7440-66-6		6.52	6.29	6.11	11.2

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Sample ID	I CLP Maximum Contaminant Concentrations (40 CFR 261 6/96)		LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
Lab Sample Number			I2495-11	I2495-12	I2495-13	I2495-14
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 #					
2,4-D	94-75-7	10	0.02 U	0.02 U	0.02 U	0.02 U
2,4,5-TP (Silvex)	93-72-1	1	0.02 U	0.02 U	0.02 U	0.02 U

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		Contaminant Concentrations (40 CFR 261 6/96)			
Sample ID		LSS-SP01-COMP	LSS-SP02-COMP	LSS-SP03-COMP	LSS-SP04-COMP
Lab Sample Number		I2495-11	I2495-12	I2495-13	I2495-14
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 U	0.1 U	0.1 U
1,4-Dichlorobenzene	106-46-7 7.5	0.1 U	0.1 U	0.1 U	0.1 U
2-Methylphenol	95-48-7 200	0.1 U	0.1 U	0.1 U	0.1 U
3+4-Methylphenols	65794-96-9	0.1 U	0.1 U	0.1 U	0.1 U
Hexachloroethane	67-72-1 3	0.1 U	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
Hexachlorobutadiene	87-68-3 0.5	0.1 U	0.1 U	0.1 U	0.1 U
2,4,6-Trichlorophenol	88-06-2 2	0.1 U	0.1 U	0.1 U	0.1 U
2,4,5-Trichlorophenol	95-95-4 400	0.1 U	0.1 U	0.1 U	0.1 U
2,4-Dinitrotoluene	121-14-2 0.13	0.1 U	0.1 U	0.1 U	0.1 U
Hexachlorobenzene	118-74-1 0.13	0.1 U	0.1 U	0.1 U	0.1 U
Pentachlorophenol	87-86-5 100	0.1 U	0.1 U	0.1 U	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
- 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.

Customer ID : CHAZ02, Customer Name : Chazen Companies, 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 - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP05-COMPRE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP05-GRAB(A) - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP05-GRAB(A)RE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP05-GRAB(E) - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP05-GRAB(E)RE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP06-COMP - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP06-COMPRE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP06-GRAB(B) - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP06-GRAB(B)RE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP07-COMP - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP07-COMPRE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP07-GRAB(C) - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP07-GRAB(C)RE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP08-GRAB(D) - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP08-GRAB(D)RE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP09-GRAB(E) - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP09-GRAB(E)RE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP08-COMP - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP08-COMPRE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP09-COMP - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP09-COMPRE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP10-COMP - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP10-COMPRE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP10-GRAB(A) - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP10-GRAB(A)RE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP11-COMP - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP11-COMPRE - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP05-COMP - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP06-COMP - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP08-COMP - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20
3/30/2017	LSS-SP10-COMP - I249	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	METALs, PCB, SVOC-TCL BNA -20

Water Criteria

SamplingDate	Sample	[NY Table 1 Wastewater Limits - Groundwater Discharges (NYSDEC 9/2003)]	Comment
3/7/2017	LSS-TB	<input checked="" type="checkbox"/>	
3/30/2017	LSS-EB	<input checked="" type="checkbox"/>	

TCLP Criteria

SamplingDate	Sample	[TCLP Maximum Contaminant Concentrations (40 CFR 261.6/96)]	Comment
3/30/2017	LSS-EB	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP05-COMP	<input checked="" type="checkbox"/>	TCLP ICP Metals
3/30/2017	LSS-SP05-COMPRE	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP05-GRAB(E)	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP06-COMP	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP06-GRAB(B)	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP07-COMP	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP07-GRAB(C)	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP08-COMP	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP08-GRAB(D)	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP09-COMP	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP09-GRAB(E)	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP10-COMP	<input checked="" type="checkbox"/>	
3/30/2017	LSS-SP10-GRAB(A)	<input checked="" type="checkbox"/>	

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

Sample ID		LSS-EB	LSS-TB
Lab Sample Number		I2493-29	I2493-30
Sampling Date		3/30/2017	3/7/2017
Matrix	WATER	Water	Water
Units	ug/l	ug/l	ug/l
COMPOUND	CAS #		
Dichlorodifluoromethane	75-71-8	5 U	5 U
Chloromethane	74-87-3	5 U	5 U
Vinyl Chloride	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
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	108-87-2	5 U	5 U
Benzene	71-43-2	1	5 U
1,2-Dichloroethane	107-06-2	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
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
m/p-Xylenes	179601-23-1	10 U	10 U
o-Xylene	95-47-6	5	5 U
Styrene	100-42-5	5 U	5 U
Bromoform	75-25-2	5 U	5 U
Isopropylbenzene	98-82-8	5	5 U
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5 U
1,3-Dichlorobenzene	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

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

Sample ID		
Lab Sample Number		I2493-29
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.

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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Sample ID		NY Table 1 Wastewater Limits - Groundwater Discharges (NYSDEC 9/2003)	LSS-EB
Lab Sample Number			I2493-29
Sampling Date			3/30/2017
Matrix		WATER	Water
Units		ug/l	ug/l
COMPOUND	CAS #		
Aroclor-1016	12674-11-2		1 U
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.

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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.

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

Sample ID		
Lab Sample Number		I2493-29
Sampling Date		3/30/2017
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
Zinc	7440-66-6	20 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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The comparison of the regulatory limits in this report reflect the current Chemtech

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)		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)		LSS-SP09-COMP	LSS-SP10-COMP	LSS-SP10-COMP	LSS-SP10-GRAB(A)	LSS-SP10-GRAB(A)RE	LSS-SP11-COMP	LSS-SP11-COMP	
	Lab Sample Number	Sampling Date	Matrix	Units	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
COMPOUND	CAS #													
Dichlorodifluoromethane	75-71-8						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Chloromethane	74-87-3						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Vinyl Chloride	75-01-4	0.21	0.9	0.02			U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Bromomethane	74-83-9						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Chloroethane	75-00-3						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Trichlorofluoromethane	75-69-4						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
1,1,2-Trichlorotrifluoroethane	76-13-1	100					U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
1,1-Dichloroethene	75-35-4	100	100	0.33			U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Acetone	67-64-1	100	100	0.05			U	0.0303 U	0.0242 U	0.0265 U	0.0267 U	0.0271 U	0.028 U	0.0295 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	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
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	0.37			U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
1,1,1-Trichloroethane	71-55-6	100	100	0.68			U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Methylcyclohexane	108-87-2							0.0078	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Benzene	71-43-2	2.9	4.8	0.06			J	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
1,2-Dichloroethane	107-06-2	2.3	3.1	0.02			U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Trichloroethene	79-01-6	10	21	0.47			U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
1,2-Dichloropropane	78-87-5						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
Bromodichloromethane	75-27-4						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
4-Methyl-2-Pentanone	108-10-1						U	0.0303 U	0.0242 U	0.0265 U	0.0267 U	0.0271 U	0.028 U	0.0295 U
Toluene	108-88-3	100	100	0.7			J	0.0014 J	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
t-1,3-Dichloropropene	10061-02-6						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
cis-1,3-Dichloropropene	10061-01-5						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
1,1,2-Trichloroethane	79-00-5						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
2-Hexanone	591-78-6						U	0.0303 U	0.0242 U	0.0265 U	0.0267 U	0.0271 U	0.028 U	0.0295 U
Dibromochloromethane	124-48-1						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
1,2-Dibromoethane	106-93-4						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 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	2.4			U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
1,4-Dichlorobenzene	106-46-7	9.8	13	1.8			U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
1,2-Dichlorobenzene	95-50-1	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
1,2-Dibromo-3-Chloropropane	96-12-8						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 U
1,2,4-Trichlorobenzene	120-82-1						U	0.0061 U	0.0048 U	0.0053 U	0.0053 U	0.0054 U	0.0056 U	0.0059 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

Qualifiers

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

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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)	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	LSS-SP05-	LSS-SP06-	LSS-SP07-	LSS-SP08-	LSS-SP09-	LSS-SP10-	LSS-SP11-
				COMP	COMP	COMP	COMP	COMP	COMP	COMP
Lab Sample Number				I2493-01	I2493-04	I2493-06	I2493-10	I2493-13	I2493-14	I2493-16
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 U	2 U	2 U	2 U	3.9 U	1.9 U	1.9 U
Phenol	108-95-2	100	100	0.33	1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
bis(2-Chloroethyl)ether	111-44-4				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2-Chlorophenol	95-57-8	100			1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2-Methylphenol	95-48-7	100	100	0.33	1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2,2-oxybis(1-Chloropropane)	108-60-1				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Acetophenone	98-86-2				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
3+4-Methylphenols	65794-96-9				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
n-Nitroso-di-n-propylamine	621-64-7				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Hexachloroethane	67-72-1				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Nitrobenzene	98-95-3	3.7	15		1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Isophorone	78-59-1	100			1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2-Nitrophenol	88-75-5				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2,4-Dimethylphenol	105-67-9				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
bis(2-Chloroethoxy)methane	111-91-1				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2,4-Dichlorophenol	120-83-2	100			1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Naphthalene	91-20-3	100	100	12	1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
4-Chloroaniline	106-47-8	100			1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Hexachlorobutadiene	87-68-3				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Caprolactam	105-60-2				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
4-Chloro-3-methylphenol	59-50-7				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2-Methylnaphthalene	91-57-6	0.41			1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Hexachlorocyclopentadiene	77-47-4				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2,4,6-Trichlorophenol	88-06-2				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2,4,5-Trichlorophenol	95-95-4	100			1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
1,1-Biphenyl	92-52-4				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2-Chloronaphthalene	91-58-7				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2-Nitroaniline	88-74-4				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Dimethylphthalate	131-11-3	100			1.9 U	5.8	2 U	0.43 J	3.9 U	1.9 U
Acenaphthylene	208-96-8	100	100	100	1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2,6-Dinitrotoluene	606-20-2	1.03			1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
3-Nitroaniline	99-09-2				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Acenaphthene	83-32-9	100	100	20	1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2,4-Dinitrophenol	51-28-5	100			1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
4-Nitrophenol	100-02-7				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Dibenzofuran	132-64-9	14	59	7	1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
2,4-Dinitrotoluene	121-14-2				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Diethylphthalate	84-66-2	100			1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
4-Chlorophenyl-phenylether	7005-72-3				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Fluorene	86-73-7	100	100	30	1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
4-Nitroaniline	100-01-6				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
4,6-Dinitro-2-methylphenol	534-52-1				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
n-Nitrosodiphenylamine	86-30-6				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
4-Bromophenyl-phenylether	101-55-3				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U
Hexachlorobenzene	118-74-1	0.41	1.2	0.33	1.9 U	2 U	2 U	2 U	3.9 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			NY SCO - 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	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date	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
Atrazine	1912-24-9				1.9 U	2 U	2 U	2 U	3.9 U	1.9 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					
Anthracene	120-12-7	100	100	100	1.9 U	2 U	2 U	0.69 J	3.9 U	1.9 U	1.9 U					
Carbazole	86-74-8				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U	1.9 U					
Di-n-butylphthalate	84-74-2	100			1.9 U	2 U	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					
Pyrene	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					
3,3-Dichlorobenzidine	91-94-1				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U	1.9 U					
Benzo(a)anthracene	56-55-3	1	1	1	1 J	0.89 J	1.1 J	2.6	3.9 U	0.61 J	1.1 J					
Chrysene	218-01-9	1	3.9	1	1.1 J	0.87 J	1.1 J	2.7	3.9 U	0.66 J	1.2 J					
Bis(2-ethylhexyl)phthalate	117-81-7	50			5.4	4.3	2.4	2.1	7.6	1.5 J	2					
Di-n-octyl phthalate	117-84-0	100			1.9 U	2 U	2 U	2 U	3.9 U	1.9 U	1.9 U					
Benzo(b)fluoranthene	205-99-2	1	1	1	1.8 J	1.5 J	1.9 J	4	1.1 J	1.2 J	2					
Benzo(k)fluoranthene	207-08-9	1	3.9	0.8	0.64 J	2 U	0.46 J	1.1 J	3.9 U	1.9 U	0.58 J					
Benzo(a)pyrene	50-32-8	1	1	1	1.3 J	1 J	1.3 J	2.6	3.9 U	0.78 J	1.4 J					
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	0.5	1.1 J	0.74 J	1 J	1.5 J	3.9 U	0.57 J	0.96 J					
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	0.33	1.9 U	2 U	2 U	0.51 J	3.9 U	1.9 U	1.9 U					
Benzo(g,h,i)perylene	191-24-2	100	100	100	1.4 J	1.1 J	1.6 J	2.3	3.9 U	0.98 J	1.5 J					
1,2,4,5-Tetrachlorobenzene	95-94-3				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U	1.9 U					
1,4-Dioxane	123-91-1	9.8	13	0.1	1.9 U	2 U	2 U	2 U	3.9 U	1.9 U	1.9 U					
2,3,4,6-Tetrachlorophenol	58-90-2				1.9 U	2 U	2 U	2 U	3.9 U	1.9 U	1.9 U					

Total TICs 9.33 40 21.17 12.54 21.4 5.78 6.83

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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Lab Sample Number				I2493-17	I2493-19	I2493-25	I2493-27
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 Sulfide	RESU			33.3	30.1	33.2	31.8

Total TICs

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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.

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Lab Sample Number				I2493-17	I2493-19	I2493-25	I2493-27	
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

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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.

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Sample ID	Lab Sample Number	Sampling Date	NY SCO -	NY SCO -	NY SCO -	LSS-SP06-COMP	LSS-SP08-COMP	LSS-SP10-COMP	LSS-SP11-COMP
			Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	Unrestricted Use (6 NYCRR 375-6 12/06)	I2493-04	I2493-10	I2493-14	I2493-16
Matrix	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
COMPOUND	CAS #								
alpha-BHC	319-84-6	0.097	0.48	0.02	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
beta-BHC	319-85-7	0.072	0.36	0.036	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
delta-BHC	319-86-8	100	100	0.04	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
gamma-BHC (Lindane)	58-89-9	0.28	1.3	0.1	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
Heptachlor	76-44-8	0.42	2.1	0.042	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
Aldrin	309-00-2	0.019	0.097	0.005	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
Heptachlor epoxide	1024-57-3	0.077			0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan I	959-98-8	4.8	24	2.4	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
Dieldrin	60-57-1	0.039	0.2	0.005	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
4,4-DDE	72-55-9	1.8	8.9	0.0033	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
Endrin	72-20-8	2.2	11	0.014	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan II	33213-65-9	4.8	24	2.4	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
4,4-DDD	72-54-8	2.6	13	0.0033	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan Sulfate	1031-07-8	4.8	24	2.4	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
4,4-DDT	50-29-3	1.7	7.9	0.0033	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
Methoxychlor	72-43-5	100			0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
Endrin ketone	53494-70-5				0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
Endrin aldehyde	7421-93-4				0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
alpha-Chlordane	5103-71-9	0.91	4.2	0.094	0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
gamma-Chlordane	5103-74-2	0.54			0.0021 U	0.002 U	0.002 U	0.002 U	0.002 U
Toxaphene	8001-35-2				0.0205 U	0.0204 U	0.0199 U	0.0197 U	

Total TICs

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Sample ID	Lab Sample Number	Sampling Date	Matrix	Units	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)	LSS-SP05-COMP	LSS-SP06-COMP	LSS-SP07-COMP	LSS-SP08-COMP	LSS-SP09-COMP	LSS-SP10-COMP	LSS-SP11-COMP
					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
COMPOUND	CAS #		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
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	0.0199 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	0.0199 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	0.0199 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	0.0199 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	0.0199 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	0.0199 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	

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							SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
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 U	0.893	8.48	22.7	6.91
Thallium	7440-28-0									2.89	2.9	2.88	2.04 U	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

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Lab Sample Number				I2493-17	I2493-19	I2493-25	I2493-27
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

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Lab Sample Number				I2493-01	I2493-04	I2493-06	I2493-10	I2493-13	I2493-14
Sampling Date				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
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND	CAS #								
GRO	GRO			0.074	0.055 U	0.054 U	0.054 U	0.052 U	0.053 U

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Lab Sample Number				I2493-01	I2493-04	I2493-06	I2493-10	I2493-13	I2493-14
Sampling Date				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
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
COMPOUND	CAS #								
DRO	DRO			2263	1068	329	771	1313	912

Total TICs

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Lab Sample Number					I2493-01	I2493-04	I2493-10	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	0.11 J

Total TICs

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Lab Sample Number				I2493-17	I2493-19	I2493-25	I2493-27
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	pH	pH	pH	pH
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			I2493-18	I2493-20	I2493-22	I2493-23	I2493-24	I2493-28
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	0.025 U	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	0.025 U	0.025 U
2-Butanone	78-93-3	200	0.13 U	0.13 U	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	0.025 U	0.025 U
Chloroform	67-66-3	6	0.025 U	0.025 U	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	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	0.025 U	0.025 U
Trichloroethene	79-01-6	0.5	0.025 U	0.025 U	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	0.025 U	0.025 U
Chlorobenzene	108-90-7	100	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U

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P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

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Sample ID	CAS #	TCLP Maximum Contaminant Concentrations (40 CFR 261 6/96)	TCLP Units mg/L	LSS-SP05-COMP	LSS-SP06-COMP	LSS-SP07-COMP	LSS-SP08-COMP	LSS-SP09-COMP	LSS-SP10-COMP
				I2493-17	I2493-19	I2493-21	I2493-25	I2493-26	I2493-27
Lab Sample Number				3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017
Sampling Date									
Matrix									
Units									
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

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			I2493-17	I2493-19	I2493-21	I2493-25	I2493-26	I2493-27
Lab Sample Number			3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017	3/30/2017
Sampling Date								
Matrix	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP	TCLP
Units	mg/L	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 U	0.1 U	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 U	0.05 U	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 U	0.002 U	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 U	0.1 U	0.1 U	0.1 U	0.1 U
Silver	7440-22-4	5	0.05 U	0.05 U	0.05 U	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

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Lab Sample Number			I2493-17	I2493-19	I2493-21	I2493-25	I2493-26	I2493-27
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	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2,4,5-TP (Silvex)	93-72-1	1	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

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			mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Pyridine	110-86-1	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,4-Dichlorobenzene	106-46-7	7.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Methylphenol	95-48-7	200	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
3+4-Methylphenols	65794-96-9		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Hexachloroethane	67-72-1	3	0.1 U	0.1 U	0.1 U	0.1 U	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	0.1 U	0.1 U	0.1 U
Hexachlorobutadiene	87-68-3	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2,4,6-Trichlorophenol	88-06-2	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2,4,5-Trichlorophenol	95-95-4	400	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2,4-Dinitrotoluene	121-14-2	0.13	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Hexachlorobenzene	118-74-1	0.13	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Pentachlorophenol	87-86-5	100	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

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