

Appendix H

Seeler Engineering, P.C.

June 19, 2013

Mr. James E. McKenna
Vice President of Construction
Wilmore Construction, LLC.
1265 Scottsville Road
Rochester NY 14624

Subject: Soil Management - New Paltz

Dear Mr. McKenna:

Seeler Engineering, P.C. (Seeler) was retained to collect and analyze a number of soil samples at the site of the Park Point project. These results along with analytical results for soil samples gathered by Ecosystems Strategies, Inc. and Brinner & Larios, P.C. were evaluated in support of the proposed residential development. The results of our evaluation are included in this letter report. Pesticides, arsenic, lead and mercury (compounds of concern) were evaluated to determine if existing conditions could present a concern to occupants of the proposed development, area residents during site construction, and construction workers. An assessment of impacts to groundwater beneath the site was also made.

Thirty two (32) samples were collected from soils at a depth of 0 to 6 inches (surface), ten (10) samples were collected from a depth of 6 to 12 inches and five (5) samples were collected from a depth of 12 to 18 inches across the site and evaluated. The sampling locations are shown on Drawing Number 1 which also includes the proposed site development layout. Analytical results are included on Table 1. The results of the testing were compared to threshold criteria for Residential Site Use set by the New York State Department of Environmental Conservation (6NYCRR Part 375) entitled "Technical Guidance for Site Investigation and Remediation". The pesticide Dieldrin, and arsenic were found in surface samples (0 to 6 inch depth) at levels above criteria set by the New York State Department of Environmental Conservation for Restricted Residential Use. Levels of all chemical compounds dropped below threshold guidance values for Residential Use in samples collected below 12 inches.

The soil impacted with arsenic and pesticide levels above NYSDEC guidance criteria were found to exist in the abandoned apple orchard area. Soils in the pear orchard, along Route 32 north of the proposed primary project entrances and in the wooded area where Stormwater Management Pond B-1 is to be constructed, did not contain compounds of concern at elevated levels. Bio-remediation techniques are not practical for removal of arsenic from the soil. As such, site conditions should be created that meet the requirements for Residential Use Criteria contained in the above referenced guidance documents by using physical control means.

The proposed project can eliminate the potential for exposure of occupants of the site to these chemical compounds in three ways. First, the proposed development contains building structures and paved or hardened parking and pedestrian surfaces. The potential for exposure to subsurface soils containing elevated levels of chemicals of concern will then be eliminated in these areas. Secondly, site grading should be conducted in a way that first removes the 6 to 8 inches of the surface soil layer containing elevated levels of pesticides and arsenic and places this soil in the four designated controlled fill areas of the site. The controlled fill areas and any surface areas around the development not covered by building or pavement should then be covered by a minimum of 6 inches of clean soil meeting guidance criteria thereby eliminating the possibility of exposure to soils with elevated levels of compounds of concern. Thirdly, gardening should only be allowed in designated plots on the site. Warning barriers should be installed over the controlled fill areas beneath the topsoil cover to prevent access to the layer containing impacted soil thereby preventing accidental exposure.

It should be noted, where paved surfaces are planned the subsurface must first be prepared by applying a layer of new structural fill (stone). This layer of stone will receive the layer of pavement. Since subsurface soils were only marginally contaminated and because a layer of stone will be placed between the soils and pavement, we do not believe it likely that temperature of any soil containing residual levels of arsenic will reach temperatures that could result in volatilization of this chemical compound.

Site Plan Drawing 2260-12 (copy attached) shows how the impacted topsoil should be handled during construction in conjunction with implementation of erosion control measures. The Site Plan Drawing identifies the location of impacted and clean topsoil and shows where the impacted and clean topsoil will be placed. The "Sequence of Construction Notes" on the plan identifies the order in which: erosion control measures are to be installed; storm water management areas are to be constructed; and impacted and clean topsoil will be stripped and stockpiled / used for fill areas and berm construction. Clean topsoil from Areas 1, 4, 9 and 12 is to be stripped and placed in topsoil, stockpile Areas 2 and 5 for re-use in landscape areas. Impacted topsoil from Areas 2, 3, 6, 7, 8 10, and 13 is to be placed in Areas 3, 4, 7, and 11 to create landscape berms for aesthetics and buffering. Impacted topsoil could also be placed in the non-structural backyard fill Area 11. All impacted topsoil berm and fill areas are to be covered with a minimum 6" thick depth of clean topsoil. The proposed berm area 4 will exist adjacent to the faculty / staff housing. In addition, therefore, prior to placing 6" of clean topsoil over berm Area 4, a continuous layer of non-woven geotechnical fabric

Mr. James E. McKenna

June 19, 2013

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should be installed over the berm to act as a warning barrier.

Construction workers should be protected during the movement of impacted soils by following some simple site work procedures. Earthmoving crews are to wear dust masks and shower and change clothes before they leave the site. All personal vehicles should be parked in designated "clean" zones away from the site construction activities to prevent dust and dirt from being carried from the site. All equipment used for the moving of the impacted soil should remain on site until the work is done or be decontaminated before it leaves the site.

A community air monitoring program should also be implemented. Dust levels should be monitored at the fence line of the project. The services of a licensed professional engineer should be contracted to implement the program which should include conducting periodic inspections of site activities and air monitoring for dust while the soils of concern are being moved and placed into the control fill areas. Site work should be stopped and corrective measures taken if dust levels exceed DOH criteria. Procedures should be in place for communication with regulatory agencies to respond to any unforeseen site conditions throughout the remainder of the project execution phase.

Very truly yours,

Seeler Engineering, P.C.

A handwritten signature in cursive script that reads "Tim A. Seeler".

Tim A. Seeler, P.E.

Principal

w/enc.

Drawing Number 1

Table 1

Analytical Results Compared to SCO's

Sample Name: Summary Soil Sample at Various Depths

Site Address: Park Point New Paltz
Sample Matrix: Soil

Date Collected: Varies

Analytical Method		Depth of Sample =																			
		Collector =																			
Analyte Name		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	Units	Unrestricted Use	Residential	Restricted Residential	
S-1		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	µg/Kg	3.3	2,600	13,000
8081	4,4'-DDD	20	130	2.3 U	2.1 U	27	21	160	16	210	4.0 U	110	12					µg/Kg	3.3	2,600	13,000
						</															

Notes:

ND = Analyte Not Detected at the reporting limit or above

*No analytical results for this parameter, but its on SCO

S = Surface Sample

Collector:

(1) = Ecosystems Strategies, Inc.

(2) = Brimmer & Larios, P.C.

(3) = Seeler Engineering, P.C.

Analytical Results Compared to SCO's

Sample Name: Summary Soil Sample at Various Depths

Date Collected: Varies

Site Address: Park Point New Paltz

Sample Matrix: Soil

Depth of Sample = Collector =		6"-12"	S	S	S	S	S	S	S	S	S	6"-12"	S	S			
		(3)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(3)	(2)	(2)			
Analytical Method	Analyte Name	S-9-1	S-10	S-11	S-12	S-13	S-14	S-15	S-16	S-17	S-17-1	S-18	S-19	Units	Unrestricted Use	Residential	Restricted Residential
8081	4-4'-DDD	11 U	81	78.3	44.3	55.9	ND	ND	ND	161	21 U	15.7	159	µg/Kg	3.3	2,600	13,000
8081	4-4'-DDE	200	260	807	299	1230	14.6	10.3	16.1	813	200	333	1950	µg/Kg	3.3	1,800	8,900
8081	4-4'-DDT	81	950	413	32.7	342	6.35	4.72	8.64	1080	420	101	954	µg/Kg	3.3	1,700	7,900
8081	Aldrin	11 U	10	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg	5	19	97
8081	alpha-BHC	11 U	10	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg	20	97	480
8081	alpha-Chlordane	11 U	*	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg	94	910	4,200
8081	beta-BHC	11 U	5.2	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg	36	72	360
8081	delta-BHC	11 U	10	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg	40	100,000	100,000
8081	Dieldrin	11 U	120	16.5	31.2	46.4	ND	ND	ND	375	120	14.7	216	µg/Kg	5	39	200
8081	Endosulfan I	11 U	10	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg	2,400	4,800	24,000
8081	Endosulfan II	11 U	20	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg	2,400	4,800	24,000
8081	Endosulfan sulfate	11 U	20	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg	2,400	4,800	24,000
8081	Endrin	11 U	110	168	246	512	4.4	ND	ND	267	220	ND	ND	µg/Kg	14	2,200	11,000
8081	Endrin aldehyde	11 U	20	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg		100,000	100,000
8081	Endrin ketone	11 U	*	81.6	59.6	173	ND	ND	ND	80.3	63	ND	ND	µg/Kg		100,000	100,000
8081	gamma-BHC (Lindane)	11 U	10	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg	100	280	1,300
8081	gamma-Chlordane	11 U	*	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg		540	
8081	Heptachlor	11 U	10	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg	42	420	2,100
8081	Heptachlor epoxide	11 U	10	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg		77	
8081	Methoxychlor	11 U	100	ND	ND	ND	ND	ND	ND	ND	21 U	ND	ND	µg/Kg		100,000	100,000
8081	Toxaphene	110 U	1000	ND	ND	ND	ND	ND	ND	ND	210 U	ND	ND	µg/Kg		100,000	100,000
8081	Chlordane (technical)		100	*	*	*	*	*	*								
6010	Arsenic	5	130	15.6	8.71	14.6	6.65	4.12	5.71	139	19	62	33.6	mg/Kg	13	16	16
6010	Lead	19	140	29.9	40.6	64.5	25.9	15.1	20.7	326	53	68.3	121	mg/Kg	63	400	400
7470/7471	Mercury	*	0.200	ND	ND	ND	ND	ND	ND	0.186	*	ND	ND	mg/Kg	0.180	0.810	0.810

Notes:

ND = Analyte Not Detected at the reporting limit or above

*No analytical results for this parameter, but its on SCO

S = Surface Sample

Collector:

(1) = Ecosystems Strategies, Inc.

(2) = Brimmer & Larios, P.C.

(3) = Seeler Engineering, P.C.

Table 1
Park Point New Paltz

Analytical Results Compared to SCO's

Sample Name: Summary Soil Sample at Various Depths

Date Collected: Varies

Site Address: Park Point New Paltz

Sample Matrix: Soil

Depth of Sample =		S	6"-12"	18"	S	6"-12"	18"	S	S	6"-12"	18"	S	S
Collector =		(2)	(3)	(3)	(2)	(3)	(3)	(2)	(2)	(3)	(3)	(2)	(2)
Analytical Method	Analyte Name	S-20	S-20-1	S-20-2	S-21	S-21-1	S-21-2	S-22	S-23	S-23-1	S-23-2	S-24	S-25
8081	4-4'-DDD	176	10 U	4.1 U	626	12	4	ND	113	20 U	10 U	119	235
8081	4-4'-DDE	458	160	57	7070	280	92	13.3	355	330	240	1630	2020
8081	4-4'-DDT	493	130	40	5220	110	46	5	876	360	210	958	1160
8081	Aldrin	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	ND	20 U	10 U	ND	ND
8081	alpha-BHC	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	ND	20 U	10 U	ND	ND
8081	alpha-Chlordane	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	ND	20 U	10 U	ND	ND
8081	beta-BHC	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	14.4	20 U	10 U	ND	ND
8081	delta-BHC	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	ND	20 U	10 U	ND	ND
8081	Dieldrin	464	62	25	487	110	31	ND	249	100	49	330	455
8081	Endosulfan I	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	ND	20 U	10 U	ND	ND
8081	Endosulfan II	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	ND	20 U	10 U	ND	ND
8081	Endosulfan sulfate	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	ND	20 U	10 U	ND	ND
8081	Endrin	302	270	120	1710	23	7	ND	215	54	34	322	196
8081	Endrin aldehyde	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	ND	20 U	10 U	ND	ND
8081	Endrin ketone	32.3	73	27	330	11 U	4.1 U	ND	102	26	10 U	98	65
8081	gamma-BHC (Lindane)	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	ND	20 U	10 U	ND	ND
8081	gamma-Chlordane	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	ND	20 U	10 U	ND	ND
8081	Heptachlor	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	ND	20 U	10 U	ND	ND
8081	Heptachlor epoxide	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	ND	20 U	10 U	ND	ND
8081	Methoxychlor	ND	10 U	4.1 U	ND	11 U	4.1 U	ND	ND	20 U	10 U	ND	ND
8081	Toxaphene	ND	100 U	41 U	ND	110 U	41 U	ND	ND	200 U	100 U	ND	ND
8081	Chlordane (technical)												
6010	Arsenic	83	14	10	44	18	7	8.9	294	12	11	53.9	88
6010	Lead	354	25	20	670	71	28	14.4	248	24	19	107	92.2
7470/7471	Mercury	0.261	*	*	ND	*	*	ND	0.295	*	*	ND	ND

Notes:

ND = Analyte Not Detected at the reporting limit or above

*No analytical results for this parameter, but its on SCO

S = Surface Sample

Collector:

(1) = Ecosystems Strategies, Inc.

(2) = Brimmer & Larios, P.C.

(3) = Seeler Engineering, P.C.

Analytical Results Compared to SCO's

Sample Name: Summary Soil Sample at Various Depths

Date Collected: Varies

Site Address: Park Point New Paltz

Sample Matrix: Soil

Depth of Sample =		6"-12"	18"	S	6"-12"	S	S	S	S	6"-12"	S	S	S			
Collector =		(3)	(3)	(2)	(3)	(2)	(2)	(2)	(2)	(3)	(2)	(2)	(2)			
Analytical Method	Analyte Name	S-25-1	S-25-2	S-26	S-26-1	S-27	S-28	S-29	S-29-1	S-30	S-31	S-32	Units	Unrestricted Use	Residential	Restricted Residential
8081	4-4'-DDD	10 U	2.0 U	5.23	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg	3.3	2,600	13,000
8081	4-4'-DDE	270	48	9.1	610	ND	ND	3.63	64	5.22	7.64	20.3	µg/Kg	3.3	1,800	8,900
8081	4-4'-DDT	240	46	30.3	350	ND	ND	ND	76	3.29	ND	4.87	µg/Kg	3.3	1,700	7,900
8081	Aldrin	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg	5	19	97
8081	alpha-BHC	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg	20	97	480
8081	alpha-Chlordane	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg	94	910	4,200
8081	beta-BHC	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg	36	72	360
8081	delta-BHC	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg	40	100,000	100,000
8081	Dieldrin	120	22	14.1	530	ND	ND	ND	56	4.51	35.3	4.34	µg/Kg	5	39	200
8081	Endosulfan I	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg	2,400	4,800	24,000
8081	Endosulfan II	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg	2,400	4,800	24,000
8081	Endosulfan sulfate	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg	2,400	4,800	24,000
8081	Endrin	210	53	16.3	240	ND	ND	ND	9	ND	ND	ND	µg/Kg	14	2,200	11,000
8081	Endrin aldehyde	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg		100,000	100,000
8081	Endrin ketone	56	10	ND	90	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg		100,000	100,000
8081	gamma-BHC (Lindane)	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg	100	280	1,300
8081	gamma-Chlordane	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg		540	
8081	Heptachlor	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg	42	420	2,100
8081	Heptachlor epoxide	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg		77	
8081	Methoxychlor	10 U	2.0 U	ND	22 U	ND	ND	ND	4.1 U	ND	ND	ND	µg/Kg		100,000	100,000
8081	Toxaphene	100 U	20 U	ND	220 U	ND	ND	ND	41 U	ND	ND	ND	µg/Kg		100,000	100,000
8081	Chlordane (technical)															
6010	Arsenic	14	9	62	20	7.15	7.77	27	6	137	50.7	45.7	mg/Kg	13	16	16
6010	Lead	27	18	152	35	28.5	30	71.4	19	906	140	130	mg/Kg	63	400	400
7470/7471	Mercury	*	*	ND	*	ND	ND	ND	*	0.416	ND	ND	mg/Kg	0.180	0.810	0.810

Collector:

Notes:
NID = Analyte Not Detected at the reporting limit or above
*No analytical results for this parameter, but its on SCO
S = Surface Sample

(1) = Ecosystems Strategies, Inc.
(2) = Brimmer & Larios, P.C.
(3) = Seeler Engineering, P.C.



March 21, 2013

Service Request No: R1301568

Mr. Matt Czora
Seeler Engineering, PC
1151 Pittsford Victor Road
Suite 125
Pittsford, NY 14534

Laboratory Results for: New Paltz/044.002

Dear Mr. Czora:

Enclosed are the results of the sample(s) submitted to our laboratory on March 12, 2013. For your reference, these analyses have been assigned our service request number **R1301568**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

Columbia Analytical Services, Inc. dba ALS Environmental

Janice Jaeger
Client Services Manager

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ADDRESS 1565 Jefferson Rd, Building 300, Suite 360, Rochester, NY 14623

PHONE 585-288-5380 | FAX 585-288-8475

Columbia Analytical Services, Inc.

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CASE NARRATIVE

Client:	Seeler Engineering	Service Request:	R1301568
Project:	New Paltz	Project Number:	
Sample Matrix:	Soil	Date Received:	03/12/13

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II deliverables. When appropriate to the method, method blank and LCS results have been reported with each analytical test.

Sample Receipt

Samples were collected on 03/11/13 and received at CAS on 03/12/13 at a cooler temperature of 3.3°C in good condition except as noted on the cooler receipt and preservation check form. ALS Environmental is responsible only for the analytical testing and are not directly responsible for the integrity of the sample before laboratory receipt.

Metals Analysis

Fifteen soil samples were analyzed for a site specific list of parameters. Please see attached data pages for method numbers.

Site specific QC was not requested for these samples. All LCS recoveries were acceptable.

The Method blanks associated with these analyses were free of contamination above the Method Reporting Limit (MRL).

No other analytical or QC problems were encountered.

Pesticides

Fifteen soil samples were analyzed for Pesticides by method 8081B from SW-846.

All initial calibration criteria were met for all analytes. All Continuing Calibration Verification (CCV) standards were outside limits. The samples were repeated and again the CCV's were outside limits. Where CCV outliers potentially affected the data, both sets of results have been reported out and the outliers appears to be due to the matrix of the samples.

The LCS/LCSD recoveries were acceptable. All RPD's were within limits except Endrin aldehyde and has been flagged with an "**".

Site specific QC was not requested for these samples.

All surrogate standard recoveries were within limits.

The Method blanks were free of contamination.

All samples were analyzed within recommended holding times.

No other analytical or QC problems were encountered.

CASE NARRATIVE

This report contains analytical results for the following samples:

Service Request Number: R1301568

<u>Lab ID</u>	<u>Client ID</u>
R1301568-001	S-17-1
R1301568-002	S-21-1
R1301568-003	S-21-2
R1301568-004	S-7-1
R1301568-005	S-9-1
R1301568-006	S-29-1
R1301568-007	S-20-1
R1301568-008	S-20-2
R1301568-009	S-23-1
R1301568-010	S-23-2
R1301568-011	S-26-1
R1301568-012	S-25-1
R1301568-013	S-25-2
R1301568-014	S-2-1
R1301568-015	S-2-2

REPORT QUALIFIERS

- U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
- J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).
- B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
- E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
- E Organics- Concentration has exceeded the calibration range for that specific analysis.
- D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
- * Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
- H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
- # Spike was diluted out.
- + Correlation coefficient for MSA is <0.995.
- N Inorganics- Matrix spike recovery was outside laboratory limits.
- N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
- S Concentration has been determined using Method of Standard Additions (MSA).
- W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
- P Concentration >40% (25% for CLP) difference between the two GC columns.
- C Confirmed by GC/MS
- Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\geq 100\%$ Difference between two GC columns).
- X See Case Narrative for discussion.



Rochester Lab ID # for State Certifications¹

NELAP Accredited	Maine ID #NY0032	New Hampshire ID #
Connecticut ID # PH0556	Nebraska Accredited	294100 A/B
Delaware Accredited	Nevada ID # NY-00032	North Carolina #676
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047		Virginia #460167

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to <http://alsglobal.com/environmental/laboratories/rochester-environmental-lab.aspx>

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-17-1
Lab Code: R1301568-001

Service Request: R1301568
Date Collected: 3/11/13 0800
Date Received: 3/12/13

Basis: As Received**General Chemistry Parameters**

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	80.1		Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-17-1
Lab Code: R1301568-001

Service Request: R1301568
Date Collected: 3/11/13 0800
Date Received: 3/12/13

Basis: Dry
Percent Solids: 80.1

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	18.9		mg/Kg	1.2	1	3/13/13	3/14/13 20:59	
Lead, Total	6010C	53.0		mg/Kg	6.1	1	3/13/13	3/14/13 20:59	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 0800
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/18/13 19:23

Sample Name: S-17-1
 Lab Code: R1301568-001

Units: µg/Kg
 Basis: Dry
 Percent Solids: 80.1

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031813\FN860.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	21	U	21	
72-55-9	4,4'-DDE	190		21	
50-29-3	4,4'-DDT	400		21	
309-00-2	Aldrin	21	U	21	
60-57-1	Dieldrin	120		21	
959-98-8	Endosulfan I	21	U	21	
33213-65-9	Endosulfan II	21	U	21	
1031-07-8	Endosulfan Sulfate	21	U	21	
72-20-8	Endrin	220		21	
7421-93-4	Endrin Aldehyde	21	U	21	
53494-70-5	Endrin Ketone	59		21	
76-44-8	Heptachlor	21	U	21	
1024-57-3	Heptachlor Epoxide	21	U	21	
72-43-5	Methoxychlor	21	U	21	
8001-35-2	Toxaphene	210	U	210	
319-84-6	alpha-BHC	21	U	21	
5103-71-9	alpha-Chlordane	21	U	21	
319-85-7	beta-BHC	21	U	21	
319-86-8	delta-BHC	21	U	21	
58-89-9	gamma-BHC (Lindane)	21	U	21	
5566-34-7	gamma-Chlordane	21	U	21	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	50	10-122	3/18/13 19:23	
Tetrachloro-m-xylene	30	10-123	3/18/13 19:23	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 0800
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/19/13 19:22

Sample Name: S-17-1
 Lab Code: R1301568-001
 Run Type: Reanalysis

Units: µg/Kg
 Basis: Dry
 Percent Solids: 80.1

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031913\FN883.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	21	U	21	
72-55-9	4,4'-DDE	200		21	
50-29-3	4,4'-DDT	420		21	
309-00-2	Aldrin	21	U	21	
60-57-1	Dieldrin	120		21	
959-98-8	Endosulfan I	21	U	21	
33213-65-9	Endosulfan II	21	U	21	
1031-07-8	Endosulfan Sulfate	21	U	21	
72-20-8	Endrin	220		21	
7421-93-4	Endrin Aldehyde	21	U	21	
53494-70-5	Endrin Ketone	63		21	
76-44-8	Heptachlor	21	U	21	
1024-57-3	Heptachlor Epoxide	21	U	21	
72-43-5	Methoxychlor	21	U	21	
8001-35-2	Toxaphene	210	U	210	
319-84-6	alpha-BHC	21	U	21	
5103-71-9	alpha-Chlordane	21	U	21	
319-85-7	beta-BHC	21	U	21	
319-86-8	delta-BHC	21	U	21	
58-89-9	gamma-BHC (Lindane)	21	U	21	
5566-34-7	gamma-Chlordane	21	U	21	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	52	10-122	3/19/13 19:22	
Tetrachloro-m-xylene	32	10-123	3/19/13 19:22	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-21-1
Lab Code: R1301568-002

Service Request: R1301568
Date Collected: 3/11/13 0830
Date Received: 3/12/13

Basis: As Received**General Chemistry Parameters**

Analyte Name	Method	Result Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	76.0	Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-21-1
Lab Code: R1301568-002

Service Request: R1301568
Date Collected: 3/11/13 0830
Date Received: 3/12/13

Basis: Dry
Percent Solids: 76.0

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	18.2		mg/Kg	1.3	1	3/13/13	3/14/13 21:06	
Lead, Total	6010C	70.6		mg/Kg	6.4	1	3/13/13	3/14/13 21:06	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 0830
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/18/13 14:29

Sample Name: S-21-1
 Lab Code: R1301568-002

Units: µg/Kg
 Basis: Dry
 Percent Solids: 76.0

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031813\FN852.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 5

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	11		11	
72-55-9	4,4'-DDE	260		11	
50-29-3	4,4'-DDT	110		11	
309-00-2	Aldrin	11	U	11	
60-57-1	Dieldrin	99		11	
959-98-8	Endosulfan I	11	U	11	
33213-65-9	Endosulfan II	11	U	11	
1031-07-8	Endosulfan Sulfate	11	U	11	
72-20-8	Endrin	22		11	
7421-93-4	Endrin Aldehyde	11	U	11	
53494-70-5	Endrin Ketone	11	U	11	
76-44-8	Heptachlor	11	U	11	
1024-57-3	Heptachlor Epoxide	11	U	11	
72-43-5	Methoxychlor	11	U	11	
8001-35-2	Toxaphene	110	U	110	
319-84-6	alpha-BHC	11	U	11	
5103-71-9	alpha-Chlordane	11	U	11	
319-85-7	beta-BHC	11	U	11	
319-86-8	delta-BHC	11	U	11	
58-89-9	gamma-BHC (Lindane)	11	U	11	
5566-34-7	gamma-Chlordane	11	U	11	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	58	10-122	3/18/13 14:29	
Tetrachloro-m-xylene	33	10-123	3/18/13 14:29	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 0830
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/19/13 14:28

Sample Name: S-21-1
 Lab Code: R1301568-002
 Run Type: Reanalysis

Units: µg/Kg
 Basis: Dry
 Percent Solids: 76.0

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDDATA\6890D\DATA\031913\FN875.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 5

CAS No.	Analyte Name	Result Q	MRL	Note
72-54-8	4,4'-DDD	12	11	
72-55-9	4,4'-DDE	280	11	
50-29-3	4,4'-DDT	110	11	
309-00-2	Aldrin	11 U	11	
60-57-1	Dieldrin	110	11	
959-98-8	Endosulfan I	11 U	11	
33213-65-9	Endosulfan II	11 U	11	
1031-07-8	Endosulfan Sulfate	11 U	11	
72-20-8	Endrin	23	11	
7421-93-4	Endrin Aldehyde	11 U	11	
53494-70-5	Endrin Ketone	11 U	11	
76-44-8	Heptachlor	11 U	11	
1024-57-3	Heptachlor Epoxide	11 U	11	
72-43-5	Methoxychlor	11 U	11	
8001-35-2	Toxaphene	110 U	110	
319-84-6	alpha-BHC	11 U	11	
5103-71-9	alpha-Chlordane	11 U	11	
319-85-7	beta-BHC	11 U	11	
319-86-8	delta-BHC	11 U	11	
58-89-9	gamma-BHC (Lindane)	11 U	11	
5566-34-7	gamma-Chlordane	11 U	11	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	57	10-122	3/19/13 14:28	
Tetrachloro-m-xylene	37	10-123	3/19/13 14:28	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-21-2
Lab Code: R1301568-003

Service Request: R1301568
Date Collected: 3/11/13 0845
Date Received: 3/12/13

Basis: As Received

General Chemistry Parameters

Analyte Name	Method	Result Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	81.1	Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-21-2
Lab Code: R1301568-003

Service Request: R1301568
Date Collected: 3/11/13 0845
Date Received: 3/12/13

Basis: Dry
Percent Solids: 81.1

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	7.4		mg/Kg	1.2	1	3/13/13	3/14/13 21:13	
Lead, Total	6010C	27.8		mg/Kg	6.0	1	3/13/13	3/14/13 21:13	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 0845
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/18/13 12:03

Sample Name: S-21-2
 Lab Code: R1301568-003

Units: µg/Kg
 Basis: Dry
 Percent Solids: 81.1

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031813\FN848.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 2

CAS No.	Analyte Name	Result Q	MRL	Note
72-54-8	4,4'-DDD	4.5	4.1	
72-55-9	4,4'-DDE	87	4.1	
50-29-3	4,4'-DDT	43	4.1	
309-00-2	Aldrin	4.1 U	4.1	
60-57-1	Dieldrin	29	4.1	
959-98-8	Endosulfan I	4.1 U	4.1	
33213-65-9	Endosulfan II	4.1 U	4.1	
1031-07-8	Endosulfan Sulfate	4.1 U	4.1	
72-20-8	Endrin	6.5	4.1	
7421-93-4	Endrin Aldehyde	4.1 U	4.1	
53494-70-5	Endrin Ketone	4.1 U	4.1	
76-44-8	Heptachlor	4.1 U	4.1	
1024-57-3	Heptachlor Epoxide	4.1 U	4.1	
72-43-5	Methoxychlor	4.1 U	4.1	
8001-35-2	Toxaphene	41 U	41	
319-84-6	alpha-BHC	4.1 U	4.1	
5103-71-9	alpha-Chlordane	4.1 U	4.1	
319-85-7	beta-BHC	4.1 U	4.1	
319-86-8	delta-BHC	4.1 U	4.1	
58-89-9	gamma-BHC (Lindane)	4.1 U	4.1	
5566-34-7	gamma-Chlordane	4.1 U	4.1	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	55	10-122	3/18/13 12:03	
Tetrachloro-m-xylene	27	10-123	3/18/13 12:03	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 0845
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/19/13 12:01

Sample Name: S-21-2
 Lab Code: R1301568-003
 Run Type: Reanalysis

Units: µg/Kg
 Basis: Dry
 Percent Solids: 81.1

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUADATA\6890D\DATA\031913\FN871.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 2

CAS No.	Analyte Name	Result Q	MRL	Note
72-54-8	4,4'-DDD	4.4	4.1	
72-55-9	4,4'-DDE	92	4.1	
50-29-3	4,4'-DDT	46	4.1	
309-00-2	Aldrin	4.1 U	4.1	
60-57-1	Dieldrin	31	4.1	
959-98-8	Endosulfan I	4.1 U	4.1	
33213-65-9	Endosulfan II	4.1 U	4.1	
1031-07-8	Endosulfan Sulfate	4.1 U	4.1	
72-20-8	Endrin	6.9	4.1	
7421-93-4	Endrin Aldehyde	4.1 U	4.1	
53494-70-5	Endrin Ketone	4.1 U	4.1	
76-44-8	Heptachlor	4.1 U	4.1	
1024-57-3	Heptachlor Epoxide	4.1 U	4.1	
72-43-5	Methoxychlor	4.1 U	4.1	
8001-35-2	Toxaphene	41 U	41	
319-84-6	alpha-BHC	4.1 U	4.1	
5103-71-9	alpha-Chlordane	4.1 U	4.1	
319-85-7	beta-BHC	4.1 U	4.1	
319-86-8	delta-BHC	4.1 U	4.1	
58-89-9	gamma-BHC (Lindane)	4.1 U	4.1	
5566-34-7	gamma-Chlordane	4.1 U	4.1	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	56	10-122	3/19/13 12:01	
Tetrachloro-m-xylene	30	10-123	3/19/13 12:01	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-7-1
Lab Code: R1301568-004

Service Request: R1301568
Date Collected: 3/11/13 0915
Date Received: 3/12/13

Basis: As Received**General Chemistry Parameters**

Analyte Name	Method	Result Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	83.4	Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-7-1
Lab Code: R1301568-004

Service Request: R1301568
Date Collected: 3/11/13 0915
Date Received: 3/12/13

Basis: Dry
Percent Solids: 83.4

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	9.3		mg/Kg	1.2	1	3/13/13	3/14/13 21:19	
Lead, Total	6010C	14.1		mg/Kg	5.8	1	3/13/13	3/14/13 21:19	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 0915
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/18/13 12:39

Sample Name: S-7-1
 Lab Code: R1301568-004

Units: µg/Kg
 Basis: Dry
 Percent Solids: 83.4

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQU\DATA\6890D\DATA\031813\FN849.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 2

CAS No.	Analyte Name	Result Q	MRL	Note
72-54-8	4,4'-DDD	4.0 U	4.0	
72-55-9	4,4'-DDE	110	4.0	
50-29-3	4,4'-DDT	83	4.0	
309-00-2	Aldrin	4.0 U	4.0	
60-57-1	Dieldrin	14	4.0	
959-98-8	Endosulfan I	4.0 U	4.0	
33213-65-9	Endosulfan II	4.0 U	4.0	
1031-07-8	Endosulfan Sulfate	4.0 U	4.0	
72-20-8	Endrin	6.5	4.0	
7421-93-4	Endrin Aldehyde	4.0 U	4.0	
53494-70-5	Endrin Ketone	4.0 U	4.0	
76-44-8	Heptachlor	4.0 U	4.0	
1024-57-3	Heptachlor Epoxide	4.0 U	4.0	
72-43-5	Methoxychlor	4.0 U	4.0	
8001-35-2	Toxaphene	40 U	40	
319-84-6	alpha-BHC	4.0 U	4.0	
5103-71-9	alpha-Chlordane	4.0 U	4.0	
319-85-7	beta-BHC	4.0 U	4.0	
319-86-8	delta-BHC	4.0 U	4.0	
58-89-9	gamma-BHC (Lindane)	4.0 U	4.0	
5566-34-7	gamma-Chlordane	4.0 U	4.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	56	10-122	3/18/13 12:39	
Tetrachloro-m-xylene	27	10-123	3/18/13 12:39	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 0915
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/19/13 12:38

Sample Name: S-7-1
 Lab Code: R1301568-004
 Run Type: Reanalysis

Units: µg/Kg
 Basis: Dry
 Percent Solids: 83.4

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031913\FN872.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 2

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	4.0	U	4.0	
72-55-9	4,4'-DDE	120		4.0	
50-29-3	4,4'-DDT	85		4.0	
309-00-2	Aldrin	4.0	U	4.0	
60-57-1	Dieldrin	15		4.0	
959-98-8	Endosulfan I	4.0	U	4.0	
33213-65-9	Endosulfan II	4.0	U	4.0	
1031-07-8	Endosulfan Sulfate	4.0	U	4.0	
72-20-8	Endrin	6.8		4.0	
7421-93-4	Endrin Aldehyde	4.0	U	4.0	
53494-70-5	Endrin Ketone	4.0	U	4.0	
76-44-8	Heptachlor	4.0	U	4.0	
1024-57-3	Heptachlor Epoxide	4.0	U	4.0	
72-43-5	Methoxychlor	4.0	U	4.0	
8001-35-2	Toxaphene	40	U	40	
319-84-6	alpha-BHC	4.0	U	4.0	
5103-71-9	alpha-Chlordane	4.0	U	4.0	
319-85-7	beta-BHC	4.0	U	4.0	
319-86-8	delta-BHC	4.0	U	4.0	
58-89-9	gamma-BHC (Lindane)	4.0	U	4.0	
5566-34-7	gamma-Chlordane	4.0	U	4.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	56	10-122	3/19/13 12:38	
Tetrachloro-m-xylene	27	10-123	3/19/13 12:38	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-9-1
Lab Code: R1301568-005

Service Request: R1301568
Date Collected: 3/11/13 0945
Date Received: 3/12/13

Basis: As Received**General Chemistry Parameters**

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	73.3		Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-9-1
Lab Code: R1301568-005

Service Request: R1301568
Date Collected: 3/11/13 0945
Date Received: 3/12/13

Basis: Dry
Percent Solids: 73.3

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	5.0		mg/Kg	1.3	1	3/13/13	3/14/13 21:26	
Lead, Total	6010C	19.0		mg/Kg	6.7	1	3/13/13	3/14/13 21:26	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 0945
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/15/13 19:36

Sample Name: S-9-1
 Lab Code: R1301568-005

Units: µg/Kg
 Basis: Dry
 Percent Solids: 73.3

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\7890m\DATA\031513\AC018.D\

Analysis Lot: 332841
 Extraction Lot: 178550
 Instrument Name: R-GC-62
 Dilution Factor: 5

CAS No.	Analyte Name	Result Q	MRL	Note
72-54-8	4,4'-DDD	11 U	11	
72-55-9	4,4'-DDE	200	11	
50-29-3	4,4'-DDT	81	11	
309-00-2	Aldrin	11 U	11	
60-57-1	Dieldrin	11 U	11	
959-98-8	Endosulfan I	11 U	11	
33213-65-9	Endosulfan II	11 U	11	
1031-07-8	Endosulfan Sulfate	11 U	11	
72-20-8	Endrin	11 U	11	
7421-93-4	Endrin Aldehyde	11 U	11	
53494-70-5	Endrin Ketone	11 U	11	
76-44-8	Heptachlor	11 U	11	
1024-57-3	Heptachlor Epoxide	11 U	11	
72-43-5	Methoxychlor	11 U	11	
8001-35-2	Toxaphene	110 U	110	
319-84-6	alpha-BHC	11 U	11	
5103-71-9	alpha-Chlordane	11 U	11	
319-85-7	beta-BHC	11 U	11	
319-86-8	delta-BHC	11 U	11	
58-89-9	gamma-BHC (Lindane)	11 U	11	
5566-34-7	gamma-Chlordane	11 U	11	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	62	10-122	3/15/13 19:36	
Tetrachloro-m-xylene	37	10-123	3/15/13 19:36	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-29-1
Lab Code: R1301568-006

Service Request: R1301568
Date Collected: 3/11/13 1010
Date Received: 3/12/13

Basis: As Received

General Chemistry Parameters

Analyte Name	Method	Result Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	82.0	Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-29-1
Lab Code: R1301568-006

Service Request: R1301568
Date Collected: 3/11/13 1010
Date Received: 3/12/13

Basis: Dry
Percent Solids: 82.0

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	6.3		mg/Kg	1.2	1	3/13/13	3/14/13 21:32	
Lead, Total	6010C	19.0		mg/Kg	5.9	1	3/13/13	3/14/13 21:32	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1010
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/18/13 13:16

Sample Name: S-29-1
 Lab Code: R1301568-006

Units: µg/Kg
 Basis: Dry
 Percent Solids: 82.0

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQU\DATA\6890D\DATA\031813\FN850.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 2

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	4.1	U	4.1	
72-55-9	4,4'-DDE	60		4.1	
50-29-3	4,4'-DDT	71		4.1	
309-00-2	Aldrin	4.1	U	4.1	
60-57-1	Dieldrin	52		4.1	
959-98-8	Endosulfan I	4.1	U	4.1	
33213-65-9	Endosulfan II	4.1	U	4.1	
1031-07-8	Endosulfan Sulfate	4.1	U	4.1	
72-20-8	Endrin	8.4		4.1	
7421-93-4	Endrin Aldehyde	4.1	U	4.1	
53494-70-5	Endrin Ketone	4.1	U	4.1	
76-44-8	Heptachlor	4.1	U	4.1	
1024-57-3	Heptachlor Epoxide	4.1	U	4.1	
72-43-5	Methoxychlor	4.1	U	4.1	
8001-35-2	Toxaphene	41	U	41	
319-84-6	alpha-BHC	4.1	U	4.1	
5103-71-9	alpha-Chlordane	4.1	U	4.1	
319-85-7	beta-BHC	4.1	U	4.1	
319-86-8	delta-BHC	4.1	U	4.1	
58-89-9	gamma-BHC (Lindane)	4.1	U	4.1	
5566-34-7	gamma-Chlordane	4.1	U	4.1	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	49	10-122	3/18/13 13:16	
Tetrachloro-m-xylene	27	10-123	3/18/13 13:16	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1010
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/19/13 13:15

Sample Name: S-29-1
 Lab Code: R1301568-006
 Run Type: Reanalysis

Units: µg/Kg
 Basis: Dry
 Percent Solids: 82.0

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDDATA\6890D\DATA\031913\FN873.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 2

CAS No.	Analyte Name	Result Q	MRL	Note
72-54-8	4,4'-DDD	4.1 U	4.1	
72-55-9	4,4'-DDE	64	4.1	
50-29-3	4,4'-DDT	76	4.1	
309-00-2	Aldrin	4.1 U	4.1	
60-57-1	Dieldrin	56	4.1	
959-98-8	Endosulfan I	4.1 U	4.1	
33213-65-9	Endosulfan II	4.1 U	4.1	
1031-07-8	Endosulfan Sulfate	4.1 U	4.1	
72-20-8	Endrin	8.9	4.1	
7421-93-4	Endrin Aldehyde	4.1 U	4.1	
53494-70-5	Endrin Ketone	4.1 U	4.1	
76-44-8	Heptachlor	4.1 U	4.1	
1024-57-3	Heptachlor Epoxide	4.1 U	4.1	
72-43-5	Methoxychlor	4.1 U	4.1	
8001-35-2	Toxaphene	41 U	41	
319-84-6	alpha-BHC	4.1 U	4.1	
5103-71-9	alpha-Chlordane	4.1 U	4.1	
319-85-7	beta-BHC	4.1 U	4.1	
319-86-8	delta-BHC	4.1 U	4.1	
58-89-9	gamma-BHC (Lindane)	4.1 U	4.1	
5566-34-7	gamma-Chlordane	4.1 U	4.1	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	50	10-122	3/19/13 13:15	
Tetrachloro-m-xylene	28	10-123	3/19/13 13:15	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-20-1
Lab Code: R1301568-007

Service Request: R1301568
Date Collected: 3/11/13 1035
Date Received: 3/12/13

Basis: As Received**General Chemistry Parameters**

Analyte Name	Method	Result Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	81.4	Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-20-1
Lab Code: R1301568-007

Service Request: R1301568
Date Collected: 3/11/13 1035
Date Received: 3/12/13

Basis: Dry
Percent Solids: 81.4

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	14.0		mg/Kg	1.2	1	3/13/13	3/14/13 21:39	
Lead, Total	6010C	24.8		mg/Kg	5.9	1	3/13/13	3/14/13 21:39	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1035
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/18/13 15:06

Sample Name: S-20-1
 Lab Code: R1301568-007

Units: µg/Kg
 Basis: Dry
 Percent Solids: 81.4

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031813\FN853.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 5

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	10	U	10	
72-55-9	4,4'-DDE	140		10	
50-29-3	4,4'-DDT	130		10	
309-00-2	Aldrin	10	U	10	
60-57-1	Dieldrin	57		10	
959-98-8	Endosulfan I	10	U	10	
33213-65-9	Endosulfan II	10	U	10	
1031-07-8	Endosulfan Sulfate	10	U	10	
72-20-8	Endrin	260		10	
7421-93-4	Endrin Aldehyde	10	U	10	
53494-70-5	Endrin Ketone	66		10	
76-44-8	Heptachlor	10	U	10	
1024-57-3	Heptachlor Epoxide	10	U	10	
72-43-5	Methoxychlor	10	U	10	
8001-35-2	Toxaphene	100	U	100	
319-84-6	alpha-BHC	10	U	10	
5103-71-9	alpha-Chlordane	10	U	10	
319-85-7	beta-BHC	10	U	10	
319-86-8	delta-BHC	10	U	10	
58-89-9	gamma-BHC (Lindane)	10	U	10	
5566-34-7	gamma-Chlordane	10	U	10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	47	10-122	3/18/13 15:06	
Tetrachloro-m-xylene	31	10-123	3/18/13 15:06	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1035
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/19/13 15:05

Sample Name: S-20-1
 Lab Code: R1301568-007
 Run Type: Reanalysis

Units: µg/Kg
 Basis: Dry
 Percent Solids: 81.4

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUADATA\6890D\DATA\031913\FN876.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 5

CAS No.	Analyte Name	Result Q	MRL	Note
72-54-8	4,4'-DDD	10 U	10	
72-55-9	4,4'-DDE	160	10	
50-29-3	4,4'-DDT	130	10	
309-00-2	Aldrin	10 U	10	
60-57-1	Dieldrin	62	10	
959-98-8	Endosulfan I	10 U	10	
33213-65-9	Endosulfan II	10 U	10	
1031-07-8	Endosulfan Sulfate	10 U	10	
72-20-8	Endrin	270	10	
7421-93-4	Endrin Aldehyde	10 U	10	
53494-70-5	Endrin Ketone	73	10	
76-44-8	Heptachlor	10 U	10	
1024-57-3	Heptachlor Epoxide	10 U	10	
72-43-5	Methoxychlor	10 U	10	
8001-35-2	Toxaphene	100 U	100	
319-84-6	alpha-BHC	10 U	10	
5103-71-9	alpha-Chlordane	10 U	10	
319-85-7	beta-BHC	10 U	10	
319-86-8	delta-BHC	10 U	10	
58-89-9	gamma-BHC (Lindane)	10 U	10	
5566-34-7	gamma-Chlordane	10 U	10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	49	10-122	3/19/13 15:05	
Tetrachloro-m-xylene	34	10-123	3/19/13 15:05	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-20-2
Lab Code: R1301568-008

Service Request: R1301568
Date Collected: 3/11/13 1045
Date Received: 3/12/13

Basis: As Received**General Chemistry Parameters**

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	82.9		Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-20-2
Lab Code: R1301568-008

Service Request: R1301568
Date Collected: 3/11/13 1045
Date Received: 3/12/13

Basis: Dry
Percent Solids: 82.9

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	9.6		mg/Kg	1.2	1	3/13/13	3/14/13 22:24	
Lead, Total	6010C	20.1		mg/Kg	5.8	1	3/13/13	3/14/13 22:24	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1045
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/18/13 13:53

Sample Name: S-20-2
 Lab Code: R1301568-008

Units: µg/Kg
 Basis: Dry
 Percent Solids: 82.9

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031813\FN851.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 2

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	4.1	U	4.1	
72-55-9	4,4'-DDE	55		4.1	
50-29-3	4,4'-DDT	39		4.1	
309-00-2	Aldrin	4.1	U	4.1	
60-57-1	Dieldrin	24		4.1	
959-98-8	Endosulfan I	4.1	U	4.1	
33213-65-9	Endosulfan II	4.1	U	4.1	
1031-07-8	Endosulfan Sulfate	4.1	U	4.1	
72-20-8	Endrin	120		4.1	
7421-93-4	Endrin Aldehyde	4.1	U	4.1	
53494-70-5	Endrin Ketone	26		4.1	
76-44-8	Heptachlor	4.1	U	4.1	
1024-57-3	Heptachlor Epoxide	4.1	U	4.1	
72-43-5	Methoxychlor	4.1	U	4.1	
8001-35-2	Toxaphene	41	U	41	
319-84-6	alpha-BHC	4.1	U	4.1	
5103-71-9	alpha-Chlordane	4.1	U	4.1	
319-85-7	beta-BHC	4.1	U	4.1	
319-86-8	delta-BHC	4.1	U	4.1	
58-89-9	gamma-BHC (Lindane)	4.1	U	4.1	
5566-34-7	gamma-Chlordane	4.1	U	4.1	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	49	10-122	3/18/13 13:53	
Tetrachloro-m-xylene	27	10-123	3/18/13 13:53	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1045
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/19/13 13:52

Sample Name: S-20-2
 Lab Code: R1301568-008
 Run Type: Reanalysis

Units: µg/Kg
 Basis: Dry
 Percent Solids: 82.9

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031913\FN874.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 2

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	4.1	U	4.1	
72-55-9	4,4'-DDE	57		4.1	
50-29-3	4,4'-DDT	40		4.1	
309-00-2	Aldrin	4.1	U	4.1	
60-57-1	Dieldrin	25		4.1	
959-98-8	Endosulfan I	4.1	U	4.1	
33213-65-9	Endosulfan II	4.1	U	4.1	
1031-07-8	Endosulfan Sulfate	4.1	U	4.1	
72-20-8	Endrin	120		4.1	
7421-93-4	Endrin Aldehyde	4.1	U	4.1	
53494-70-5	Endrin Ketone	27		4.1	
76-44-8	Heptachlor	4.1	U	4.1	
1024-57-3	Heptachlor Epoxide	4.1	U	4.1	
72-43-5	Methoxychlor	4.1	U	4.1	
8001-35-2	Toxaphene	41	U	41	
319-84-6	alpha-BHC	4.1	U	4.1	
5103-71-9	alpha-Chlordane	4.1	U	4.1	
319-85-7	beta-BHC	4.1	U	4.1	
319-86-8	delta-BHC	4.1	U	4.1	
58-89-9	gamma-BHC (Lindane)	4.1	U	4.1	
5566-34-7	gamma-Chlordane	4.1	U	4.1	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	49	10-122	3/19/13 13:52	
Tetrachloro-m-xylene	28	10-123	3/19/13 13:52	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-23-1
Lab Code: R1301568-009

Service Request: R1301568
Date Collected: 3/11/13 1110
Date Received: 3/12/13

Basis: As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	82.9		Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-23-1
Lab Code: R1301568-009

Service Request: R1301568
Date Collected: 3/11/13 1110
Date Received: 3/12/13

Basis: Dry
Percent Solids: 82.9

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	11.7		mg/Kg	1.1	1	3/13/13	3/14/13 22:31	
Lead, Total	6010C	24.0		mg/Kg	5.7	1	3/13/13	3/14/13 22:31	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1110
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/18/13 21:13

Sample Name: S-23-1
 Lab Code: R1301568-009

Units: µg/Kg
 Basis: Dry
 Percent Solids: 82.9

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031813\FN863.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	20	U	20	
72-55-9	4,4'-DDE	320		20	
50-29-3	4,4'-DDT	340		20	
309-00-2	Aldrin	20	U	20	
60-57-1	Dieldrin	99		20	
959-98-8	Endosulfan I	20	U	20	
33213-65-9	Endosulfan II	20	U	20	
1031-07-8	Endosulfan Sulfate	20	U	20	
72-20-8	Endrin	53		20	
7421-93-4	Endrin Aldehyde	20	U	20	
53494-70-5	Endrin Ketone	25		20	
76-44-8	Heptachlor	20	U	20	
1024-57-3	Heptachlor Epoxide	20	U	20	
72-43-5	Methoxychlor	20	U	20	
8001-35-2	Toxaphene	200	U	200	
319-84-6	alpha-BHC	20	U	20	
5103-71-9	alpha-Chlordane	20	U	20	
319-85-7	beta-BHC	20	U	20	
319-86-8	delta-BHC	20	U	20	
58-89-9	gamma-BHC (Lindane)	20	U	20	
5566-34-7	gamma-Chlordane	20	U	20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	64	10-122	3/18/13 21:13	
Tetrachloro-m-xylene	44	10-123	3/18/13 21:13	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 11:10
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/19/13 21:12

Sample Name: S-23-1
 Lab Code: R1301568-009
 Run Type: Reanalysis

Units: µg/Kg
 Basis: Dry
 Percent Solids: 82.9

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031913\FN886.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	20	U	20	
72-55-9	4,4'-DDE	330		20	
50-29-3	4,4'-DDT	360		20	
309-00-2	Aldrin	20	U	20	
60-57-1	Dieldrin	100		20	
959-98-8	Endosulfan I	20	U	20	
33213-65-9	Endosulfan II	20	U	20	
1031-07-8	Endosulfan Sulfate	20	U	20	
72-20-8	Endrin	54		20	
7421-93-4	Endrin Aldehyde	20	U	20	
53494-70-5	Endrin Ketone	26		20	
76-44-8	Heptachlor	20	U	20	
1024-57-3	Heptachlor Epoxide	20	U	20	
72-43-5	Methoxychlor	20	U	20	
8001-35-2	Toxaphene	200	U	200	
319-84-6	alpha-BHC	20	U	20	
5103-71-9	alpha-Chlordane	20	U	20	
319-85-7	beta-BHC	20	U	20	
319-86-8	delta-BHC	20	U	20	
58-89-9	gamma-BHC (Lindane)	20	U	20	
5566-34-7	gamma-Chlordane	20	U	20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	64	10-122	3/19/13 21:12	
Tetrachloro-m-xylene	47	10-123	3/19/13 21:12	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-23-2
Lab Code: R1301568-010

Service Request: R1301568
Date Collected: 3/11/13 1120
Date Received: 3/12/13

Basis: As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	82.2		Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-23-2
Lab Code: R1301568-010

Service Request: R1301568
Date Collected: 3/11/13 1120
Date Received: 3/12/13

Basis: Dry
Percent Solids: 82.2

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	11.4		mg/Kg	1.2	1	3/13/13	3/14/13 22:37	
Lead, Total	6010C	19.4		mg/Kg	6.0	1	3/13/13	3/14/13 22:37	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil

Service Request: R1301568
Date Collected: 3/11/13 1120
Date Received: 3/12/13
Date Extracted: 3/12/13
Date Analyzed: 3/18/13 15:43

Sample Name: S-23-2
Lab Code: R1301568-010

Units: µg/Kg
Basis: Dry
Percent Solids: 82.2

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
Prep Method: EPA 3541
Data File Name: I:\ACQUDATA\6890D\DATA\031813\FN854.D\

Analysis Lot: 333208
Extraction Lot: 178550
Instrument Name: R-GC-54
Dilution Factor: 5

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	10	U	10	
72-55-9	4,4'-DDE	220		10	
50-29-3	4,4'-DDT	200		10	
309-00-2	Aldrin	10	U	10	
60-57-1	Dieldrin	45		10	
959-98-8	Endosulfan I	10	U	10	
33213-65-9	Endosulfan II	10	U	10	
1031-07-8	Endosulfan Sulfate	10	U	10	
72-20-8	Endrin	31		10	
7421-93-4	Endrin Aldehyde	10	U	10	
53494-70-5	Endrin Ketone	10	U	10	
76-44-8	Heptachlor	10	U	10	
1024-57-3	Heptachlor Epoxide	10	U	10	
72-43-5	Methoxychlor	10	U	10	
8001-35-2	Toxaphene	100	U	100	
319-84-6	alpha-BHC	10	U	10	
5103-71-9	alpha-Chlordane	10	U	10	
319-85-7	beta-BHC	10	U	10	
319-86-8	delta-BHC	10	U	10	
58-89-9	gamma-BHC (Lindane)	10	U	10	
5566-34-7	gamma-Chlordane	10	U	10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	54	10-122	3/18/13 15:43	
Tetrachloro-m-xylene	36	10-123	3/18/13 15:43	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1120
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/19/13 15:42

Sample Name: S-23-2
 Lab Code: R1301568-010
 Run Type: Reanalysis

Units: µg/Kg
 Basis: Dry
 Percent Solids: 82.2

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031913\FN877.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 5

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	10	U	10	
72-55-9	4,4'-DDE	240		10	
50-29-3	4,4'-DDT	210		10	
309-00-2	Aldrin	10	U	10	
60-57-1	Dieldrin	49		10	
959-98-8	Endosulfan I	10	U	10	
33213-65-9	Endosulfan II	10	U	10	
1031-07-8	Endosulfan Sulfate	10	U	10	
72-20-8	Endrin	34		10	
7421-93-4	Endrin Aldehyde	10	U	10	
53494-70-5	Endrin Ketone	10	U	10	
76-44-8	Heptachlor	10	U	10	
1024-57-3	Heptachlor Epoxide	10	U	10	
72-43-5	Methoxychlor	10	U	10	
8001-35-2	Toxaphene	100	U	100	
319-84-6	alpha-BHC	10	U	10	
5103-71-9	alpha-Chlordane	10	U	10	
319-85-7	beta-BHC	10	U	10	
319-86-8	delta-BHC	10	U	10	
58-89-9	gamma-BHC (Lindane)	10	U	10	
5566-34-7	gamma-Chlordane	10	U	10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	57	10-122	3/19/13 15:42	
Tetrachloro-m-xylene	39	10-123	3/19/13 15:42	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-26-1
Lab Code: R1301568-011

Service Request: R1301568
Date Collected: 3/11/13 1145
Date Received: 3/12/13

Basis: As Received

General Chemistry Parameters

Analyte Name	Method	Result Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	75.5	Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-26-1
Lab Code: R1301568-011

Service Request: R1301568
Date Collected: 3/11/13 1145
Date Received: 3/12/13

Basis: Dry
Percent Solids: 75.5

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	19.9		mg/Kg	1.3	1	3/13/13	3/14/13 22:44	
Lead, Total	6010C	34.6		mg/Kg	6.4	1	3/13/13	3/14/13 22:44	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1145
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/18/13 21:50

Sample Name: S-26-1
 Lab Code: R1301568-011

Units: µg/Kg
 Basis: Dry
 Percent Solids: 75.5

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031813\FN864.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	22	U	22	
72-55-9	4,4'-DDE	580		22	
50-29-3	4,4'-DDT	330		22	
309-00-2	Aldrin	22	U	22	
60-57-1	Dieldrin	500		22	
959-98-8	Endosulfan I	22	U	22	
33213-65-9	Endosulfan II	22	U	22	
1031-07-8	Endosulfan Sulfate	22	U	22	
72-20-8	Endrin	230		22	
7421-93-4	Endrin Aldehyde	22	U	22	
53494-70-5	Endrin Ketone	84		22	
76-44-8	Heptachlor	22	U	22	
1024-57-3	Heptachlor Epoxide	22	U	22	
72-43-5	Methoxychlor	22	U	22	
8001-35-2	Toxaphene	220	U	220	
319-84-6	alpha-BHC	22	U	22	
5103-71-9	alpha-Chlordane	22	U	22	
319-85-7	beta-BHC	22	U	22	
319-86-8	delta-BHC	22	U	22	
58-89-9	gamma-BHC (Lindane)	22	U	22	
5566-34-7	gamma-Chlordane	22	U	22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	48	10-122	3/18/13 21:50	
Tetrachloro-m-xylene	40	10-123	3/18/13 21:50	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1145
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/19/13 21:49

Sample Name: S-26-1
 Lab Code: R1301568-011
 Run Type: Reanalysis

Units: µg/Kg
 Basis: Dry
 Percent Solids: 75.5

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031913\FN887.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 10

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	22	U	22	
72-55-9	4,4'-DDE	610		22	
50-29-3	4,4'-DDT	350		22	
309-00-2	Aldrin	22	U	22	
60-57-1	Dieldrin	530		22	
959-98-8	Endosulfan I	22	U	22	
33213-65-9	Endosulfan II	22	U	22	
1031-07-8	Endosulfan Sulfate	22	U	22	
72-20-8	Endrin	240		22	
7421-93-4	Endrin Aldehyde	22	U	22	
53494-70-5	Endrin Ketone	90		22	
76-44-8	Heptachlor	22	U	22	
1024-57-3	Heptachlor Epoxide	22	U	22	
72-43-5	Methoxychlor	22	U	22	
8001-35-2	Toxaphene	220	U	220	
319-84-6	alpha-BHC	22	U	22	
5103-71-9	alpha-Chlordane	22	U	22	
319-85-7	beta-BHC	22	U	22	
319-86-8	delta-BHC	22	U	22	
58-89-9	gamma-BHC (Lindane)	22	U	22	
5566-34-7	gamma-Chlordane	22	U	22	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	49	10-122	3/19/13 21:49	
Tetrachloro-m-xylene	41	10-123	3/19/13 21:49	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-25-1
Lab Code: R1301568-012

Service Request: R1301568
Date Collected: 3/11/13 1215
Date Received: 3/12/13

Basis: As Received**General Chemistry Parameters**

Analyte Name	Method	Result Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	81.4	Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-25-1
Lab Code: R1301568-012

Service Request: R1301568
Date Collected: 3/11/13 1215
Date Received: 3/12/13

Basis: Dry
Percent Solids: 81.4

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	14.4		mg/Kg	1.2	1	3/13/13	3/14/13 22:51	
Lead, Total	6010C	26.9		mg/Kg	5.9	1	3/13/13	3/14/13 22:51	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1215
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/18/13 16:20

Sample Name: S-25-1
 Lab Code: R1301568-012

Units: µg/Kg
 Basis: Dry
 Percent Solids: 81.4

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031813\FN855.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 5

CAS No.	Analyte Name	Result Q	MRL	Note
72-54-8	4,4'-DDD	10 U	10	
72-55-9	4,4'-DDE	250	10	
50-29-3	4,4'-DDT	230	10	
309-00-2	Aldrin	10 U	10	
60-57-1	Dieldrin	110	10	
959-98-8	Endosulfan I	10 U	10	
33213-65-9	Endosulfan II	10 U	10	
1031-07-8	Endosulfan Sulfate	10 U	10	
72-20-8	Endrin	200	10	
7421-93-4	Endrin Aldehyde	10 U	10	
53494-70-5	Endrin Ketone	52	10	
76-44-8	Heptachlor	10 U	10	
1024-57-3	Heptachlor Epoxide	10 U	10	
72-43-5	Methoxychlor	10 U	10	
8001-35-2	Toxaphene	100 U	100	
319-84-6	alpha-BHC	10 U	10	
5103-71-9	alpha-Chlordane	10 U	10	
319-85-7	beta-BHC	10 U	10	
319-86-8	delta-BHC	10 U	10	
58-89-9	gamma-BHC (Lindane)	10 U	10	
5566-34-7	gamma-Chlordane	10 U	10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	57	10-122	3/18/13 16:20	
Tetrachloro-m-xylene	39	10-123	3/18/13 16:20	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 12:15
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/19/13 16:18

Sample Name: S-25-1
 Lab Code: R1301568-012
 Run Type: Reanalysis

Units: µg/Kg
 Basis: Dry
 Percent Solids: 81.4

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUADATA\6890D\DATA\031913\FN878.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 5

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	10	U	10	
72-55-9	4,4'-DDE	270		10	
50-29-3	4,4'-DDT	240		10	
309-00-2	Aldrin	10	U	10	
60-57-1	Dieldrin	120		10	
959-98-8	Endosulfan I	10	U	10	
33213-65-9	Endosulfan II	10	U	10	
1031-07-8	Endosulfan Sulfate	10	U	10	
72-20-8	Endrin	210		10	
7421-93-4	Endrin Aldehyde	10	U	10	
53494-70-5	Endrin Ketone	56		10	
76-44-8	Heptachlor	10	U	10	
1024-57-3	Heptachlor Epoxide	10	U	10	
72-43-5	Methoxychlor	10	U	10	
8001-35-2	Toxaphene	100	U	100	
319-84-6	alpha-BHC	10	U	10	
5103-71-9	alpha-Chlordane	10	U	10	
319-85-7	beta-BHC	10	U	10	
319-86-8	delta-BHC	10	U	10	
58-89-9	gamma-BHC (Lindane)	10	U	10	
5566-34-7	gamma-Chlordane	10	U	10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	57	10-122	3/19/13 16:18	
Tetrachloro-m-xylene	41	10-123	3/19/13 16:18	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-25-2
Lab Code: R1301568-013

Service Request: R1301568
Date Collected: 3/11/13 1225
Date Received: 3/12/13

Basis: As Received**General Chemistry Parameters**

Analyte Name	Method	Result Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	85.1	Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-25-2
Lab Code: R1301568-013

Service Request: R1301568
Date Collected: 3/11/13 1225
Date Received: 3/12/13

Basis: Dry
Percent Solids: 85.1

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	9.0		mg/Kg	1.1	1	3/13/13	3/14/13 22:58	
Lead, Total	6010C	18.0		mg/Kg	5.6	1	3/13/13	3/14/13 22:58	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1225
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/18/13 18:10

Sample Name: S-25-2
 Lab Code: R1301568-013

Units: µg/Kg
 Basis: Dry
 Percent Solids: 85.1

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031813\FN858.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	2.0	U	2.0	
72-55-9	4,4'-DDE	46		2.0	
50-29-3	4,4'-DDT	44		2.0	
309-00-2	Aldrin	2.0	U	2.0	
60-57-1	Dieldrin	22		2.0	
959-98-8	Endosulfan I	2.0	U	2.0	
33213-65-9	Endosulfan II	2.0	U	2.0	
1031-07-8	Endosulfan Sulfate	2.0	U	2.0	
72-20-8	Endrin	51		2.0	
7421-93-4	Endrin Aldehyde	2.0	U	2.0	
53494-70-5	Endrin Ketone	9.8		2.0	
76-44-8	Heptachlor	2.0	U	2.0	
1024-57-3	Heptachlor Epoxide	2.0	U	2.0	
72-43-5	Methoxychlor	2.0	U	2.0	
8001-35-2	Toxaphene	20	U	20	
319-84-6	alpha-BHC	2.0	U	2.0	
5103-71-9	alpha-Chlordane	2.0	U	2.0	
319-85-7	beta-BHC	2.0	U	2.0	
319-86-8	delta-BHC	2.0	U	2.0	
58-89-9	gamma-BHC (Lindane)	2.0	U	2.0	
5566-34-7	gamma-Chlordane	2.0	U	2.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	50	10-122	3/18/13 18:10	
Tetrachloro-m-xylene	32	10-123	3/18/13 18:10	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1225
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/19/13 18:08

Sample Name: S-25-2
 Lab Code: R1301568-013
 Run Type: Reanalysis

Units: µg/Kg
 Basis: Dry
 Percent Solids: 85.1

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQU\DATA\6890D\DATA\031913\FN881.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	Note
72-54-8	4,4'-DDD	2.0 U	2.0	
72-55-9	4,4'-DDE	48	2.0	
50-29-3	4,4'-DDT	46	2.0	
309-00-2	Aldrin	2.0 U	2.0	
60-57-1	Dieldrin	22	2.0	
959-98-8	Endosulfan I	2.0 U	2.0	
33213-65-9	Endosulfan II	2.0 U	2.0	
1031-07-8	Endosulfan Sulfate	2.0 U	2.0	
72-20-8	Endrin	53	2.0	
7421-93-4	Endrin Aldehyde	2.0 U	2.0	
53494-70-5	Endrin Ketone	10	2.0	
76-44-8	Heptachlor	2.0 U	2.0	
1024-57-3	Heptachlor Epoxide	2.0 U	2.0	
72-43-5	Methoxychlor	2.0 U	2.0	
8001-35-2	Toxaphene	20 U	20	
319-84-6	alpha-BHC	2.0 U	2.0	
5103-71-9	alpha-Chlordane	2.0 U	2.0	
319-85-7	beta-BHC	2.0 U	2.0	
319-86-8	delta-BHC	2.0 U	2.0	
58-89-9	gamma-BHC (Lindane)	2.0 U	2.0	
5566-34-7	gamma-Chlordane	2.0 U	2.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	50	10-122	3/19/13 18:08	
Tetrachloro-m-xylene	34	10-123	3/19/13 18:08	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-2-1
Lab Code: R1301568-014

Service Request: R1301568
Date Collected: 3/11/13 1245
Date Received: 3/12/13

Basis: As Received**General Chemistry Parameters**

Analyte Name	Method	Result Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	73.2	Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-2-1
Lab Code: R1301568-014

Service Request: R1301568
Date Collected: 3/11/13 1245
Date Received: 3/12/13

Basis: Dry
Percent Solids: 73.2

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	6.3		mg/Kg	1.4	1	3/13/13	3/14/13 23:04	
Lead, Total	6010C	19.5		mg/Kg	6.8	1	3/13/13	3/14/13 23:04	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 12:45
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/18/13 18:46

Sample Name: S-2-1
 Lab Code: R1301568-014

Units: µg/Kg
 Basis: Dry
 Percent Solids: 73.2

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031813\FN859.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	2.3	U	2.3	
72-55-9	4,4'-DDE	56		2.3	
50-29-3	4,4'-DDT	12		2.3	
309-00-2	Aldrin	2.3	U	2.3	
60-57-1	Dieldrin	3.6		2.3	
959-98-8	Endosulfan I	2.3	U	2.3	
33213-65-9	Endosulfan II	2.3	U	2.3	
1031-07-8	Endosulfan Sulfate	2.3	U	2.3	
72-20-8	Endrin	14		2.3	
7421-93-4	Endrin Aldehyde	2.3	U	2.3	
53494-70-5	Endrin Ketone	2.3	U	2.3	
76-44-8	Heptachlor	2.3	U	2.3	
1024-57-3	Heptachlor Epoxide	2.3	U	2.3	
72-43-5	Methoxychlor	2.3	U	2.3	
8001-35-2	Toxaphene	23	U	23	
319-84-6	alpha-BHC	2.3	U	2.3	
5103-71-9	alpha-Chlordane	2.3	U	2.3	
319-85-7	beta-BHC	2.3	U	2.3	
319-86-8	delta-BHC	2.3	U	2.3	
58-89-9	gamma-BHC (Lindane)	2.3	U	2.3	
5566-34-7	gamma-Chlordane	2.3	U	2.3	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	52	10-122	3/18/13 18:46	
Tetrachloro-m-xylene	33	10-123	3/18/13 18:46	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 1245
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/19/13 18:45

Sample Name: S-2-1
 Lab Code: R1301568-014
 Run Type: Reanalysis

Units: µg/Kg
 Basis: Dry
 Percent Solids: 73.2

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031913\FN882.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	2.3	U	2.3	
72-55-9	4,4'-DDE	58		2.3	
50-29-3	4,4'-DDT	12		2.3	
309-00-2	Aldrin	2.3	U	2.3	
60-57-1	Dieldrin	3.8		2.3	
959-98-8	Endosulfan I	2.3	U	2.3	
33213-65-9	Endosulfan II	2.3	U	2.3	
1031-07-8	Endosulfan Sulfate	2.3	U	2.3	
72-20-8	Endrin	14		2.3	
7421-93-4	Endrin Aldehyde	2.3	U	2.3	
53494-70-5	Endrin Ketone	2.3	U	2.3	
76-44-8	Heptachlor	2.3	U	2.3	
1024-57-3	Heptachlor Epoxide	2.3	U	2.3	
72-43-5	Methoxychlor	2.3	U	2.3	
8001-35-2	Toxaphene	23	U	23	
319-84-6	alpha-BHC	2.3	U	2.3	
5103-71-9	alpha-Chlordane	2.3	U	2.3	
319-85-7	beta-BHC	2.3	U	2.3	
319-86-8	delta-BHC	2.3	U	2.3	
58-89-9	gamma-BHC (Lindane)	2.3	U	2.3	
5566-34-7	gamma-Chlordane	2.3	U	2.3	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	52	10-122	3/19/13 18:45	
Tetrachloro-m-xylene	35	10-123	3/19/13 18:45	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-2-2
Lab Code: R1301568-015

Service Request: R1301568
Date Collected: 3/11/13 1255
Date Received: 3/12/13

Basis: As Received

General Chemistry Parameters

Analyte Name	Method	Result Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	80.7	Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: S-2-2
Lab Code: R1301568-015

Service Request: R1301568
Date Collected: 3/11/13 1255
Date Received: 3/12/13

Basis: Dry
Percent Solids: 80.7

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	6.1		mg/Kg	1.2	1	3/13/13	3/14/13 23:23	
Lead, Total	6010C	14.8		mg/Kg	5.9	1	3/13/13	3/14/13 23:23	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: 3/11/13 12:55
 Date Received: 3/12/13
 Date Extracted: 3/12/13
 Date Analyzed: 3/15/13 13:44

Sample Name: S-2-2
 Lab Code: R1301568-015

Units: µg/Kg
 Basis: Dry
 Percent Solids: 80.7

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDDATA\7890m\DATA\031513\AC007.D\

Analysis Lot: 332841
 Extraction Lot: 178550
 Instrument Name: R-GC-62
 Dilution Factor: 1

CAS No.	Analyte Name	Result Q	MRL	Note
72-54-8	4,4'-DDD	2.1 U	2.1	
72-55-9	4,4'-DDE	12	2.1	
50-29-3	4,4'-DDT	2.1 U	2.1	
309-00-2	Aldrin	2.1 U	2.1	
60-57-1	Dieldrin	2.1 U	2.1	
959-98-8	Endosulfan I	2.1 U	2.1	
33213-65-9	Endosulfan II	2.1 U	2.1	
1031-07-8	Endosulfan Sulfate	2.1 U	2.1	
72-20-8	Endrin	2.1 U	2.1	
7421-93-4	Endrin Aldehyde	2.1 U	2.1	
53494-70-5	Endrin Ketone	2.1 U	2.1	
76-44-8	Heptachlor	2.1 U	2.1	
1024-57-3	Heptachlor Epoxide	2.1 U	2.1	
72-43-5	Methoxychlor	2.1 U	2.1	
8001-35-2	Toxaphene	21 U	21	
319-84-6	alpha-BHC	2.1 U	2.1	
5103-71-9	alpha-Chlordane	2.1 U	2.1	
319-85-7	beta-BHC	2.1 U	2.1	
319-86-8	delta-BHC	2.1 U	2.1	
58-89-9	gamma-BHC (Lindane)	2.1 U	2.1	
5566-34-7	gamma-Chlordane	2.1 U	2.1	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	53	10-122	3/15/13 13:44	
Tetrachloro-m-xylene	29	10-123	3/15/13 13:44	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: Method Blank
Lab Code: R1301568-MB

Service Request: R1301568
Date Collected: NA
Date Received: NA

Basis: As Received

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Solids, Total	160.3 Modified	1.0	U	Percent	1.0	1	NA	3/12/13 15:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil
Sample Name: Method Blank
Lab Code: R1301568-MB

Service Request: R1301568
Date Collected: NA
Date Received: NA

Basis: Dry**Inorganic Parameters**

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
Arsenic, Total	6010C	1.0	U	mg/Kg	1.0	1	3/13/13	3/14/13 20:48	
Lead, Total	6010C	5.0	U	mg/Kg	5.0	1	3/13/13	3/14/13 20:48	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: NA
 Date Received: NA
 Date Extracted: 3/12/13
 Date Analyzed: 3/15/13 11:04

Sample Name: Method Blank
 Lab Code: RQ1302278-01

Units: µg/Kg
 Basis: Dry

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\7890m\DATA\031513\AC002.D\

Analysis Lot: 332841
 Extraction Lot: 178550
 Instrument Name: R-GC-62
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	1.7	U	1.7	
72-55-9	4,4'-DDE	1.7	U	1.7	
50-29-3	4,4'-DDT	1.7	U	1.7	
309-00-2	Aldrin	1.7	U	1.7	
60-57-1	Dieldrin	1.7	U	1.7	
959-98-8	Endosulfan I	1.7	U	1.7	
33213-65-9	Endosulfan II	1.7	U	1.7	
1031-07-8	Endosulfan Sulfate	1.7	U	1.7	
72-20-8	Endrin	1.7	U	1.7	
7421-93-4	Endrin Aldehyde	1.7	U	1.7	
53494-70-5	Endrin Ketone	1.7	U	1.7	
76-44-8	Heptachlor	1.7	U	1.7	
1024-57-3	Heptachlor Epoxide	1.7	U	1.7	
72-43-5	Methoxychlor	1.7	U	1.7	
8001-35-2	Toxaphene	17	U	17	
319-84-6	alpha-BHC	1.7	U	1.7	
5103-71-9	alpha-Chlordane	1.7	U	1.7	
319-85-7	beta-BHC	1.7	U	1.7	
319-86-8	delta-BHC	1.7	U	1.7	
58-89-9	gamma-BHC (Lindane)	1.7	U	1.7	
5566-34-7	gamma-Chlordane	1.7	U	1.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	47	10-122	3/15/13 11:04	
Tetrachloro-m-xylene	46	10-123	3/15/13 11:04	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group
Analytical Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Collected: NA
 Date Received: NA
 Date Extracted: 3/12/13
 Date Analyzed: 3/18/13 11:26

Sample Name: Method Blank
 Lab Code: RQ1302278-01

Units: µg/Kg
 Basis: Dry

Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541
 Data File Name: I:\ACQUDATA\6890D\DATA\031813\FN847.D\

Analysis Lot: 333208
 Extraction Lot: 178550
 Instrument Name: R-GC-54
 Dilution Factor: 1

CAS No.	Analyte Name	Result	Q	MRL	Note
72-54-8	4,4'-DDD	1.7	U	1.7	
72-55-9	4,4'-DDE	1.7	U	1.7	
50-29-3	4,4'-DDT	1.7	U	1.7	
309-00-2	Aldrin	1.7	U	1.7	
60-57-1	Dieldrin	1.7	U	1.7	
959-98-8	Endosulfan I	1.7	U	1.7	
33213-65-9	Endosulfan II	1.7	U	1.7	
1031-07-8	Endosulfan Sulfate	1.7	U	1.7	
72-20-8	Endrin	1.7	U	1.7	
7421-93-4	Endrin Aldehyde	1.7	U	1.7	
53494-70-5	Endrin Ketone	1.7	U	1.7	
76-44-8	Heptachlor	1.7	U	1.7	
1024-57-3	Heptachlor Epoxide	1.7	U	1.7	
72-43-5	Methoxychlor	1.7	U	1.7	
8001-35-2	Toxaphene	17	U	17	
319-84-6	alpha-BHC	1.7	U	1.7	
5103-71-9	alpha-Chlordane	1.7	U	1.7	
319-85-7	beta-BHC	1.7	U	1.7	
319-86-8	delta-BHC	1.7	U	1.7	
58-89-9	gamma-BHC (Lindane)	1.7	U	1.7	
5566-34-7	gamma-Chlordane	1.7	U	1.7	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	48	10-122	3/18/13 11:26	
Tetrachloro-m-xylene	41	10-123	3/18/13 11:26	

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Seeler Engineering, PC
Project: New Paltz/044.002
Sample Matrix: Soil

Service Request: R1301568
Date Analyzed: 3/14/13

Lab Control Sample Summary
Inorganic Parameters

Units: mg/Kg
Basis: Dry

Lab Control Sample
R1301568-LCS

Analyte Name	Method	Result	Spike		% Rec	% Rec Limits
			Amount	% Rec		
Arsenic, Total	6010C	87.2	94.5	92	82.3 - 117	
Lead, Total	6010C	88.3	91.8	96	82.2 - 117	

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client: Seeler Engineering, PC
 Project: New Paltz/044.002
 Sample Matrix: Soil

Service Request: R1301568
 Date Analyzed: 3/15/13

Lab Control Sample Summary
 Organochlorine Pesticides by Gas Chromatography

Analytical Method: 8081B
 Prep Method: EPA 3541

Units: µg/Kg
 Basis: Dry

Extraction Lot: 178550

Analyte Name	Lab Control Sample RQ1302278-02			Duplicate Lab Control Sample RQ1302278-03			% Rec Limits	RPD	RPD Limit
	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
4,4'-DDD	4.30	6.67	64	5.25	6.67	79	46 - 123	20	30
4,4'-DDE	4.74	6.67	71	5.80	6.67	87	45 - 121	20	30
4,4'-DDT	4.45	6.67	67	5.60	6.67	84	38 - 119	23	30
Aldrin	3.49	6.67	52	4.13	6.67	62	24 - 104	17	30
Dieldrin	4.84	6.67	73	5.57	6.67	83	40 - 115	14	30
Endosulfan I	4.47	6.67	67	4.97	6.67	74	41 - 109	10	30
Endosulfan II	4.71	6.67	71	5.44	6.67	82	45 - 119	15	30
Endosulfan Sulfate	4.60	6.67	69	5.54	6.67	83	46 - 115	19	30
Endrin	5.49	6.67	82	6.32	6.67	95	42 - 134	14	30
Endrin Aldehyde	3.38	6.67	51	5.32	6.67	80	10 - 82	45 *	30
Endrin Ketone	5.14	6.67	77	6.14	6.67	92	44 - 121	18	30
Heptachlor	3.78	6.67	57	4.28	6.67	64	35 - 107	12	30
Heptachlor Epoxide	4.49	6.67	67	5.10	6.67	77	44 - 109	13	30
Methoxychlor	5.00	6.67	75	6.31	6.67	95	45 - 123	23	30
alpha-BHC	3.03	6.67	45	3.28	6.67	49	29 - 105	8	30
alpha-Chlordane	4.65	6.67	70	5.39	6.67	81	37 - 110	15	30
beta-BHC	4.19	6.67	63	5.08	6.67	76	40 - 105	19	30
delta-BHC	3.52	6.67	53	4.23	6.67	63	37 - 119	18	30
gamma-BHC (Lindane)	3.40	6.67	51	3.73	6.67	56	34 - 103	9	30
gamma-Chlordane	4.64	6.67	70	5.38	6.67	81	42 - 115	15	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 6682

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax) PAGE 1 OF 2

Project Name		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)									
Project Manager		Report CG		PRESERVATIVE		METALS TOTAL (List in comments below)		METALS DISSOLVED (List in comments below)		PRESERVATIVE KEY			
Company Address		Report CG		PRESERVATIVE		METALS TOTAL (List in comments below)		METALS DISSOLVED (List in comments below)		PRESERVATIVE KEY			
New Paltz		044.002		MATT CZOLA						Preservative Key 0. NONE 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO4 8. Other			
SEELER ENGINEERING, P.C.										REMARKS/ALTERNATE DESCRIPTION			
1151 PITTSFORD VICTOR RD SUITE 125													
PITTSFORD, NY 14534													
585-248-9520													
Sample's Signature		Sample's Printed Name		Sample's Title									
[Signature]		MATT CZOLA		CZOLA									
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	DATE	SAMPLING TIME	MATRIX	GC/MS VOAS 8280 • 824 • CLP	GC/MS SVOAS 8270 • 825	PESTICIDES 8021 • 601/602	PCBS 8082 • 608	GC/MS VOAS 8280 • 824 • CLP	GC/MS SVOAS 8270 • 825	PESTICIDES 8021 • 601/602		
S-17-1		3/11/13	8:00AM	S									
S-21-1		3/11/13	8:50AM	S									
S-7-1		3/11/13	8:45AM	S									
S-9-1		3/11/13	9:15AM	S									
S-29-1		3/11/13	9:45AM	S									
S-20-1		3/11/13	10:10AM	S									
S-20-2		3/11/13	10:35AM	S									
S-23-1		3/11/13	10:45AM	S									
S-23-2		3/11/13	11:10AM	S									
S-23-2		3/11/13	11:20AM	S									
S-26-1		3/11/13	11:45AM	S									
SPECIAL INSTRUCTIONS/COMMENTS													
Metals													
Arsenic + Lead ONLY													
Report all samples as per													
Matt Czola and 3/27/13													
See QAPP ☐													
STATE WHERE SAMPLES WERE COLLECTED													
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY			
[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]			
Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name			
Firm		Firm		Firm		Firm		Firm		Firm			
Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time			
3/12/13 8:00AM		3-12-13 9:00		3/12/13 9:00		3-12-13 9:00		3/12/13 9:00		3-12-13 9:00			
Distribution: White - Lab Copy; Yellow - Return to Originator													

INVOICE INFORMATION

PO #

BILL TO

DEALER ETC.

Edeta Yes

RELINQUISHED

Signature

Printed Name

Firm

Date/Time

R1301568

Seiler Engineering, PC

New Paltz

5

Barcode

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM 6681

2

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Cooler Receipt and Preservation Check Form

Project/Client Seeler Engineering Folder Number B13-1568

Cooler received on 3-12-13 by: ME COURIER: ALS UPS FEDEX VELOCITY CLIENT

1. Were custody seals on outside of cooler? YES NO
2. Were custody papers properly filled out (ink, signed, etc.)? YES NO
3. Did all bottles arrive in good condition (unbroken)? YES NO
4. Did VOA vials, Alkalinity, or Sulfide have significant* air bubbles? YES NO N/A
5. Were Ice or Ice packs present? YES NO
6. Where did the bottles originate? ALS/ROC, CLIENT
7. Soil VOA samples received as: Bulk Jar Encore TerraCore Lab5035set N/A
8. Temperature of cooler(s) upon receipt: 3.5

Is the temperature within 0° - 6° C?: Y N Y N Y N Y N Y N

If No, Explain Below Date/Time Temperatures Taken: 3-12-13 08:08

Thermometer ID: IR GUN#3 IR GUN#4 Reading From: Temp Blank Sample Bottle

If out of Temperature, note packing/ice condition & Client Approval to Run Samples:

All Samples held in storage location R-002 by ME on 3-12-13 at 8:10
5035 samples placed in storage location by on at

PC Secondary Review: JMS 3/12/13

Cooler Breakdown: Date: 3/12/13 Time: 10:33 by: ME

1. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
2. Did all bottle labels and tags agree with custody papers? YES NO
3. Were correct containers used for the tests indicated? YES NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

Explain any discrepancies:

pH	Reagent	YES	NO	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH	Yes = All samples OK
≥12	NaOH									
≤2	HNO ₃									
≤2	H ₂ SO ₄									
<4	NaHSO ₄									
Residual Chlorine (-)	For TCN Phenol and 522			If present, contact PM to add ascorbic acid Or sodium sulfite (522)						No = Samples were preserved at lab as listed PM OK to Adjust:
	Na ₂ S ₂ O ₃	-	-							
	Zn Aceta	-	-							
	HCl	*	*							

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Bottle lot numbers: 108912-12K

Other Comments:

PC Secondary Review: JMS 3/21/13

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter

Site Plan Drawing 2260-12

