



## ANALYTICAL REPORT

Lab Number:	L1614661
Client:	Affordable Housing Partnership 255 Orange Street Albany, NY 12210
ATTN:	Susan Cotner
Phone:	(518) 434-1730
Project Name:	SHERIDAN HOLLOW BROWNFIELD
Project Number:	Not Specified
Report Date:	05/27/16

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**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L1614661-01	1) 224 ORANGE, SOUTHSIDE	SOIL	SHERIDAN HOLLOW NEIGHBORHOOD	04/10/16 00:00	05/13/16
L1614661-02	2) 231 SHERIDAN, NEW GARDEN	SOIL	SHERIDAN HOLLOW NEIGHBORHOOD	04/27/16 00:00	05/13/16
L1614661-03	3) 241 SHERIDAN, PLAYGROUND	SOIL	SHERIDAN HOLLOW NEIGHBORHOOD	04/27/16 00:00	05/13/16
L1614661-04	4) 235 ORANGE, NORTHSIDE	SOIL	SHERIDAN HOLLOW NEIGHBORHOOD	04/10/16 00:00	05/13/16
L1614661-05	5) SPLASH PARK	SOIL	SHERIDAN HOLLOW NEIGHBORHOOD	04/27/16 00:00	05/13/16
L1614661-06	6) 216 ORANGE BETWEEN ORANGE & SHERIDAN	SOIL	SHERIDAN HOLLOW NEIGHBORHOOD	04/10/16 00:00	05/13/16
L1614661-07	7) 319 ORANGE, PLAYGROUND	SOIL	SHERIDAN HOLLOW NEIGHBORHOOD	04/28/16 00:00	05/13/16

**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
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### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

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**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
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### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

The analyses performed were specified by the client.

#### Total Mercury

L1614661-01, -04, and -06 were analyzed with the method required holding time exceeded for mercury.

The WG894679-4 MS recovery for mercury (0%), performed on L1614661-01, does not apply because the sample concentration is greater than four times the spike amount added.

The WG894679-3 Laboratory Duplicate RPD, performed on L1614661-01, is outside the acceptance criteria for mercury (56%). The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Melissa Cripps

Title: Technical Director/Representative

Date: 05/27/16

## METALS

**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

**SAMPLE RESULTS**

Lab ID: L1614661-01  
 Client ID: 1) 224 ORANGE, SOUTHSIDE  
 Sample Location: SHERIDAN HOLLOW NEIGHBORHOOD  
 Matrix: Soil  
 Percent Solids: 79%

Date Collected: 04/10/16 00:00  
 Date Received: 05/13/16  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	6.3		mg/kg	0.48	0.16	1	05/16/16 09:35	05/20/16 08:34	EPA 3050B	1,6010C	FB
Barium, Total	130		mg/kg	0.48	0.13	1	05/16/16 09:35	05/20/16 08:34	EPA 3050B	1,6010C	FB
Beryllium, Total	0.272		mg/kg	0.243	0.053	1	05/16/16 09:35	05/20/16 08:34	EPA 3050B	1,6010C	FB
Cadmium, Total	0.170	J	mg/kg	0.485	0.034	1	05/16/16 09:35	05/20/16 08:34	EPA 3050B	1,6010C	FB
Chromium, Total	11		mg/kg	0.48	0.08	1	05/16/16 09:35	05/20/16 08:34	EPA 3050B	1,6010C	FB
Copper, Total	38		mg/kg	0.48	0.09	1	05/16/16 09:35	05/20/16 08:34	EPA 3050B	1,6010C	FB
Lead, Total	310		mg/kg	2.4	0.11	1	05/16/16 09:35	05/20/16 08:34	EPA 3050B	1,6010C	FB
Manganese, Total	320		mg/kg	0.48	0.12	1	05/16/16 09:35	05/20/16 08:34	EPA 3050B	1,6010C	FB
Mercury, Total	2.3		mg/kg	0.08	0.02	1	05/17/16 10:30	05/25/16 22:54	EPA 7471B	1,7471B	EA
Nickel, Total	13		mg/kg	1.2	0.19	1	05/16/16 09:35	05/20/16 08:34	EPA 3050B	1,6010C	FB
Selenium, Total	0.223	J	mg/kg	0.971	0.131	1	05/16/16 09:35	05/20/16 08:34	EPA 3050B	1,6010C	FB
Silver, Total	0.175	J	mg/kg	0.485	0.097	1	05/16/16 09:35	05/20/16 08:34	EPA 3050B	1,6010C	FB
Zinc, Total	180		mg/kg	2.4	0.34	1	05/16/16 09:35	05/20/16 08:34	EPA 3050B	1,6010C	FB



**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

**SAMPLE RESULTS**

Lab ID: L1614661-02  
 Client ID: 2) 231 SHERIDAN, NEW GARDEN  
 Sample Location: SHERIDAN HOLLOW NEIGHBORHOOD  
 Matrix: Soil  
 Percent Solids: 85%

Date Collected: 04/27/16 00:00  
 Date Received: 05/13/16  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	7.3		mg/kg	0.47	0.15	1	05/16/16 09:35	05/20/16 08:51	EPA 3050B	1,6010C	FB
Barium, Total	320		mg/kg	0.47	0.13	1	05/16/16 09:35	05/20/16 08:51	EPA 3050B	1,6010C	FB
Beryllium, Total	0.262		mg/kg	0.234	0.051	1	05/16/16 09:35	05/20/16 08:51	EPA 3050B	1,6010C	FB
Cadmium, Total	2.0		mg/kg	0.47	0.03	1	05/16/16 09:35	05/20/16 08:51	EPA 3050B	1,6010C	FB
Chromium, Total	18		mg/kg	0.47	0.08	1	05/16/16 09:35	05/20/16 08:51	EPA 3050B	1,6010C	FB
Copper, Total	60		mg/kg	0.47	0.08	1	05/16/16 09:35	05/20/16 08:51	EPA 3050B	1,6010C	FB
Lead, Total	1100		mg/kg	2.3	0.10	1	05/16/16 09:35	05/20/16 08:51	EPA 3050B	1,6010C	FB
Manganese, Total	400		mg/kg	0.47	0.11	1	05/16/16 09:35	05/20/16 08:51	EPA 3050B	1,6010C	FB
Mercury, Total	1.9		mg/kg	0.07	0.02	1	05/17/16 10:30	05/25/16 23:07	EPA 7471B	1,7471B	EA
Nickel, Total	16		mg/kg	1.2	0.19	1	05/16/16 09:35	05/20/16 08:51	EPA 3050B	1,6010C	FB
Selenium, Total	0.266	J	mg/kg	0.935	0.126	1	05/16/16 09:35	05/20/16 08:51	EPA 3050B	1,6010C	FB
Silver, Total	1.3		mg/kg	0.47	0.09	1	05/16/16 09:35	05/20/16 08:51	EPA 3050B	1,6010C	FB
Zinc, Total	700		mg/kg	2.3	0.33	1	05/16/16 09:35	05/20/16 08:51	EPA 3050B	1,6010C	FB



**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
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**SAMPLE RESULTS**

Lab ID: L1614661-03  
 Client ID: 3) 241 SHERIDAN, PLAYGROUND  
 Sample Location: SHERIDAN HOLLOW NEIGHBORHOOD  
 Matrix: Soil  
 Percent Solids: 91%

Date Collected: 04/27/16 00:00  
 Date Received: 05/13/16  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	3.8		mg/kg	0.42	0.14	1	05/16/16 09:35	05/20/16 08:55	EPA 3050B	1,6010C	FB
Barium, Total	43		mg/kg	0.42	0.11	1	05/16/16 09:35	05/20/16 08:55	EPA 3050B	1,6010C	FB
Beryllium, Total	0.231		mg/kg	0.210	0.046	1	05/16/16 09:35	05/20/16 08:55	EPA 3050B	1,6010C	FB
Cadmium, Total	0.332	J	mg/kg	0.420	0.029	1	05/16/16 09:35	05/20/16 08:55	EPA 3050B	1,6010C	FB
Chromium, Total	11		mg/kg	0.42	0.07	1	05/16/16 09:35	05/20/16 08:55	EPA 3050B	1,6010C	FB
Copper, Total	23		mg/kg	0.42	0.08	1	05/16/16 09:35	05/20/16 08:55	EPA 3050B	1,6010C	FB
Lead, Total	44		mg/kg	2.1	0.09	1	05/16/16 09:35	05/20/16 08:55	EPA 3050B	1,6010C	FB
Manganese, Total	310		mg/kg	0.42	0.10	1	05/16/16 09:35	05/20/16 08:55	EPA 3050B	1,6010C	FB
Mercury, Total	0.12		mg/kg	0.07	0.02	1	05/17/16 10:30	05/25/16 23:09	EPA 7471B	1,7471B	EA
Nickel, Total	12		mg/kg	1.0	0.17	1	05/16/16 09:35	05/20/16 08:55	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	0.84	0.11	1	05/16/16 09:35	05/20/16 08:55	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.420	0.084	1	05/16/16 09:35	05/20/16 08:55	EPA 3050B	1,6010C	FB
Zinc, Total	80		mg/kg	2.1	0.29	1	05/16/16 09:35	05/20/16 08:55	EPA 3050B	1,6010C	FB





**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

**SAMPLE RESULTS**

Lab ID: L1614661-04  
 Client ID: 4) 235 ORANGE, NORTHSIDE  
 Sample Location: SHERIDAN HOLLOW NEIGHBORHOOD  
 Matrix: Soil  
 Percent Solids: 89%

Date Collected: 04/10/16 00:00  
 Date Received: 05/13/16  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	7.5		mg/kg	0.42	0.14	1	05/16/16 09:35	05/20/16 09:15	EPA 3050B	1,6010C	FB
Barium, Total	100		mg/kg	0.42	0.11	1	05/16/16 09:35	05/20/16 09:15	EPA 3050B	1,6010C	FB
Beryllium, Total	0.352		mg/kg	0.212	0.047	1	05/16/16 09:35	05/20/16 09:15	EPA 3050B	1,6010C	FB
Cadmium, Total	ND		mg/kg	0.42	0.03	1	05/16/16 09:35	05/20/16 09:15	EPA 3050B	1,6010C	FB
Chromium, Total	11		mg/kg	0.42	0.07	1	05/16/16 09:35	05/20/16 09:15	EPA 3050B	1,6010C	FB
Copper, Total	25		mg/kg	0.42	0.08	1	05/16/16 09:35	05/20/16 09:15	EPA 3050B	1,6010C	FB
Lead, Total	120		mg/kg	2.1	0.09	1	05/16/16 09:35	05/20/16 09:15	EPA 3050B	1,6010C	FB
Manganese, Total	680		mg/kg	0.42	0.10	1	05/16/16 09:35	05/20/16 09:15	EPA 3050B	1,6010C	FB
Mercury, Total	0.48		mg/kg	0.07	0.02	1	05/17/16 10:30	05/25/16 23:11	EPA 7471B	1,7471B	EA
Nickel, Total	13		mg/kg	1.1	0.17	1	05/16/16 09:35	05/20/16 09:15	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	0.85	0.11	1	05/16/16 09:35	05/20/16 09:15	EPA 3050B	1,6010C	FB
Silver, Total	0.115	J	mg/kg	0.424	0.085	1	05/16/16 09:35	05/20/16 09:15	EPA 3050B	1,6010C	FB
Zinc, Total	93		mg/kg	2.1	0.30	1	05/16/16 09:35	05/20/16 09:15	EPA 3050B	1,6010C	FB



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**SAMPLE RESULTS**

Lab ID: L1614661-05  
 Client ID: 5) SPLASH PARK  
 Sample Location: SHERIDAN HOLLOW NEIGHBORHOOD  
 Matrix: Soil  
 Percent Solids: 88%

Date Collected: 04/27/16 00:00  
 Date Received: 05/13/16  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	3.4		mg/kg	0.44	0.14	1	05/16/16 09:35	05/20/16 09:19	EPA 3050B	1,6010C	FB
Barium, Total	31		mg/kg	0.44	0.12	1	05/16/16 09:35	05/20/16 09:19	EPA 3050B	1,6010C	FB
Beryllium, Total	0.165	J	mg/kg	0.218	0.048	1	05/16/16 09:35	05/20/16 09:19	EPA 3050B	1,6010C	FB
Cadmium, Total	ND		mg/kg	0.44	0.03	1	05/16/16 09:35	05/20/16 09:19	EPA 3050B	1,6010C	FB
Chromium, Total	6.8		mg/kg	0.44	0.07	1	05/16/16 09:35	05/20/16 09:19	EPA 3050B	1,6010C	FB
Copper, Total	16		mg/kg	0.44	0.08	1	05/16/16 09:35	05/20/16 09:19	EPA 3050B	1,6010C	FB
Lead, Total	51		mg/kg	2.2	0.10	1	05/16/16 09:35	05/20/16 09:19	EPA 3050B	1,6010C	FB
Manganese, Total	240		mg/kg	0.44	0.10	1	05/16/16 09:35	05/20/16 09:19	EPA 3050B	1,6010C	FB
Mercury, Total	0.14		mg/kg	0.07	0.02	1	05/17/16 10:30	05/25/16 23:13	EPA 7471B	1,7471B	EA
Nickel, Total	8.6		mg/kg	1.1	0.17	1	05/16/16 09:35	05/20/16 09:19	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	0.87	0.12	1	05/16/16 09:35	05/20/16 09:19	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.44	0.09	1	05/16/16 09:35	05/20/16 09:19	EPA 3050B	1,6010C	FB
Zinc, Total	53		mg/kg	2.2	0.30	1	05/16/16 09:35	05/20/16 09:19	EPA 3050B	1,6010C	FB



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**Project Number:** Not Specified

**Lab Number:** L1614661  
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**SAMPLE RESULTS**

Lab ID: L1614661-06  
 Client ID: 6) 216 ORANGE BETWEEN ORANGE &  
 Sample Location: SHERIDAN HOLLOW NEIGHBORHOOD  
 Matrix: Soil  
 Percent Solids: 84%

Date Collected: 04/10/16 00:00  
 Date Received: 05/13/16  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	5.5		mg/kg	0.46	0.15	1	05/16/16 09:35	05/20/16 09:23	EPA 3050B	1,6010C	FB
Barium, Total	110		mg/kg	0.46	0.12	1	05/16/16 09:35	05/20/16 09:23	EPA 3050B	1,6010C	FB
Beryllium, Total	0.270		mg/kg	0.233	0.051	1	05/16/16 09:35	05/20/16 09:23	EPA 3050B	1,6010C	FB
Cadmium, Total	ND		mg/kg	0.46	0.03	1	05/16/16 09:35	05/20/16 09:23	EPA 3050B	1,6010C	FB
Chromium, Total	9.8		mg/kg	0.46	0.08	1	05/16/16 09:35	05/20/16 09:23	EPA 3050B	1,6010C	FB
Copper, Total	35		mg/kg	0.46	0.08	1	05/16/16 09:35	05/20/16 09:23	EPA 3050B	1,6010C	FB
Lead, Total	540		mg/kg	2.3	0.10	1	05/16/16 09:35	05/20/16 09:23	EPA 3050B	1,6010C	FB
Manganese, Total	390		mg/kg	0.46	0.11	1	05/16/16 09:35	05/20/16 09:23	EPA 3050B	1,6010C	FB
Mercury, Total	0.48		mg/kg	0.08	0.02	1	05/17/16 10:30	05/25/16 23:15	EPA 7471B	1,7471B	EA
Nickel, Total	12		mg/kg	1.2	0.19	1	05/16/16 09:35	05/20/16 09:23	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	0.932	0.126	1	05/16/16 09:35	05/20/16 09:23	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.466	0.093	1	05/16/16 09:35	05/20/16 09:23	EPA 3050B	1,6010C	FB
Zinc, Total	100		mg/kg	2.3	0.33	1	05/16/16 09:35	05/20/16 09:23	EPA 3050B	1,6010C	FB



**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

**SAMPLE RESULTS**

Lab ID: L1614661-07  
 Client ID: 7) 319 ORANGE, PLAYGROUND  
 Sample Location: SHERIDAN HOLLOW NEIGHBORHOOD  
 Matrix: Soil  
 Percent Solids: 85%

Date Collected: 04/28/16 00:00  
 Date Received: 05/13/16  
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	7.1		mg/kg	0.45	0.15	1	05/16/16 09:35	05/20/16 09:27	EPA 3050B	1,6010C	FB
Barium, Total	82		mg/kg	0.45	0.12	1	05/16/16 09:35	05/20/16 09:27	EPA 3050B	1,6010C	FB
Beryllium, Total	0.191	J	mg/kg	0.227	0.050	1	05/16/16 09:35	05/20/16 09:27	EPA 3050B	1,6010C	FB
Cadmium, Total	0.050	J	mg/kg	0.454	0.032	1	05/16/16 09:35	05/20/16 09:27	EPA 3050B	1,6010C	FB
Chromium, Total	8.5		mg/kg	0.45	0.08	1	05/16/16 09:35	05/20/16 09:27	EPA 3050B	1,6010C	FB
Copper, Total	23		mg/kg	0.45	0.08	1	05/16/16 09:35	05/20/16 09:27	EPA 3050B	1,6010C	FB
Lead, Total	190		mg/kg	2.3	0.10	1	05/16/16 09:35	05/20/16 09:27	EPA 3050B	1,6010C	FB
Manganese, Total	280		mg/kg	0.45	0.11	1	05/16/16 09:35	05/20/16 09:27	EPA 3050B	1,6010C	FB
Mercury, Total	0.44		mg/kg	0.07	0.02	1	05/17/16 10:30	05/25/16 23:16	EPA 7471B	1,7471B	EA
Nickel, Total	10		mg/kg	1.1	0.18	1	05/16/16 09:35	05/20/16 09:27	EPA 3050B	1,6010C	FB
Selenium, Total	0.64	J	mg/kg	0.91	0.12	1	05/16/16 09:35	05/20/16 09:27	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.454	0.091	1	05/16/16 09:35	05/20/16 09:27	EPA 3050B	1,6010C	FB
Zinc, Total	94		mg/kg	2.3	0.32	1	05/16/16 09:35	05/20/16 09:27	EPA 3050B	1,6010C	FB



**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG894277-1										
Arsenic, Total	ND		mg/kg	0.40	0.13	1	05/16/16 09:35	05/20/16 08:02	1,6010C	FB
Barium, Total	ND		mg/kg	0.40	0.11	1	05/16/16 09:35	05/20/16 08:02	1,6010C	FB
Beryllium, Total	ND		mg/kg	0.20	0.04	1	05/16/16 09:35	05/20/16 08:02	1,6010C	FB
Cadmium, Total	ND		mg/kg	0.40	0.03	1	05/16/16 09:35	05/20/16 08:02	1,6010C	FB
Chromium, Total	ND		mg/kg	0.400	0.068	1	05/16/16 09:35	05/20/16 08:02	1,6010C	FB
Copper, Total	0.12	J	mg/kg	0.40	0.07	1	05/16/16 09:35	05/20/16 08:02	1,6010C	FB
Lead, Total	ND		mg/kg	2.0	0.09	1	05/16/16 09:35	05/20/16 08:02	1,6010C	FB
Manganese, Total	ND		mg/kg	0.40	0.10	1	05/16/16 09:35	05/20/16 08:02	1,6010C	FB
Nickel, Total	ND		mg/kg	1.0	0.16	1	05/16/16 09:35	05/20/16 08:02	1,6010C	FB
Selenium, Total	ND		mg/kg	0.80	0.11	1	05/16/16 09:35	05/20/16 08:02	1,6010C	FB
Silver, Total	ND		mg/kg	0.40	0.08	1	05/16/16 09:35	05/20/16 08:02	1,6010C	FB
Zinc, Total	ND		mg/kg	2.0	0.28	1	05/16/16 09:35	05/20/16 08:02	1,6010C	FB

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG894679-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	05/17/16 10:30	05/25/16 22:51	1,7471B	EA

### Prep Information

Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG894277-2 SRM Lot Number: D088-540								
Arsenic, Total	105		-		79-121	-		
Barium, Total	94		-		83-117	-		
Beryllium, Total	100		-		83-117	-		
Cadmium, Total	102		-		83-117	-		
Chromium, Total	101		-		80-120	-		
Copper, Total	98		-		81-118	-		
Lead, Total	98		-		81-117	-		
Manganese, Total	98		-		81-118	-		
Nickel, Total	100		-		83-117	-		
Selenium, Total	108		-		78-122	-		
Silver, Total	98		-		75-124	-		
Zinc, Total	106		-		82-118	-		
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG894679-2 SRM Lot Number: D088-540								
Mercury, Total	89		-		72-128	-		

### Matrix Spike Analysis Batch Quality Control

**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MS Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07    QC Batch ID: WG894277-3    WG894277-4    QC Sample: L1614645-01    Client ID: MS Sample												
Arsenic, Total	2.12J	11.3	17	150	Q	16	147	Q	75-125	6		20
Barium, Total	290	188	430	74	Q	450	88		75-125	5		20
Beryllium, Total	0.471J	4.7	5.3	113		5.0	110		75-125	6		20
Cadmium, Total	ND	4.8	4.9	102		4.9	106		75-125	0		20
Chromium, Total	1900	18.8	2200	1590	Q	1500	0	Q	75-125	38	Q	20
Copper, Total	76.	23.5	110	144	Q	66	0	Q	75-125	50	Q	20
Lead, Total	290	48	330	83		340	108		75-125	3		20
Manganese, Total	60.	47	120	128	Q	100	88		75-125	18		20
Nickel, Total	12.	47	64	110		60	106		75-125	6		20
Selenium, Total	ND	11.3	12	106		12	110		75-125	0		20
Silver, Total	ND	28.2	26	92		26	95		75-125	0		20
Zinc, Total	70.	47	180	234	Q	120	110		75-125	40	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-07    QC Batch ID: WG894679-4    QC Sample: L1614661-01    Client ID: 1) 224 ORANGE, SOUTHSIDE												
Mercury, Total	2.3	0.168	2.2	0	Q	-	-		80-120	-		20



## Lab Duplicate Analysis

Batch Quality Control

**Project Name:** SHERIDAN HOLLOW BROWNFIELD

**Project Number:** Not Specified

**Lab Number:** L1614661

**Report Date:** 05/27/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG894679-3 QC Sample: L1614661-01 Client ID: 1) 224 ORANGE, SOUTHSIDE						
Mercury, Total	2.3	1.3	mg/kg	56	Q	20



# **INORGANICS & MISCELLANEOUS**

**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

**SAMPLE RESULTS**

**Lab ID:** L1614661-01  
**Client ID:** 1) 224 ORANGE, SOUTHSIDE  
**Sample Location:** SHERIDAN HOLLOW NEIGHBORHOOD  
**Matrix:** Soil

**Date Collected:** 04/10/16 00:00  
**Date Received:** 05/13/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.7		%	0.100	NA	1	-	05/16/16 23:30	121,2540G	VB



**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

**SAMPLE RESULTS**

**Lab ID:** L1614661-02  
**Client ID:** 2) 231 SHERIDAN, NEW GARDEN  
**Sample Location:** SHERIDAN HOLLOW NEIGHBORHOOD  
**Matrix:** Soil

**Date Collected:** 04/27/16 00:00  
**Date Received:** 05/13/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.7		%	0.100	NA	1	-	05/16/16 23:30	121,2540G	VB



**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

**SAMPLE RESULTS**

**Lab ID:** L1614661-03  
**Client ID:** 3) 241 SHERIDAN, PLAYGROUND  
**Sample Location:** SHERIDAN HOLLOW NEIGHBORHOOD  
**Matrix:** Soil

**Date Collected:** 04/27/16 00:00  
**Date Received:** 05/13/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	05/16/16 23:30	121,2540G	VB



**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

**SAMPLE RESULTS**

**Lab ID:** L1614661-04  
**Client ID:** 4) 235 ORANGE, NORTHSIDE  
**Sample Location:** SHERIDAN HOLLOW NEIGHBORHOOD  
**Matrix:** Soil

**Date Collected:** 04/10/16 00:00  
**Date Received:** 05/13/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	05/16/16 23:30	121,2540G	VB



**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

**SAMPLE RESULTS**

**Lab ID:** L1614661-05  
**Client ID:** 5) SPLASH PARK  
**Sample Location:** SHERIDAN HOLLOW NEIGHBORHOOD  
**Matrix:** Soil

**Date Collected:** 04/27/16 00:00  
**Date Received:** 05/13/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	87.7		%	0.100	NA	1	-	05/16/16 23:30	121,2540G	VB



**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

**SAMPLE RESULTS**

**Lab ID:** L1614661-06  
**Client ID:** 6) 216 ORANGE BETWEEN ORANGE &  
**Sample Location:** SHERIDAN HOLLOW NEIGHBORHOOD  
**Matrix:** Soil

**Date Collected:** 04/10/16 00:00  
**Date Received:** 05/13/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.6		%	0.100	NA	1	-	05/16/16 23:30	121,2540G	VB



**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

**SAMPLE RESULTS**

**Lab ID:** L1614661-07  
**Client ID:** 7) 319 ORANGE, PLAYGROUND  
**Sample Location:** SHERIDAN HOLLOW NEIGHBORHOOD  
**Matrix:** Soil

**Date Collected:** 04/28/16 00:00  
**Date Received:** 05/13/16  
**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	05/16/16 23:30	121,2540G	VB





**Lab Duplicate Analysis**  
Batch Quality Control

Project Name: SHERIDAN HOLLOW BROWNFIELD

Project Number: Not Specified

Lab Number: L1614661

Report Date: 05/27/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG894605-1 QC Sample: L1614707-04 Client ID: DUP Sample						
Solids, Total	83.2	83.0	%	0		20

Project Name: SHERIDAN HOLLOW BROWNFIELD

Lab Number: L1614661

Project Number: Not Specified

Report Date: 05/27/16

## Sample Receipt and Container Information

Were project specific reporting limits specified? YES

## Cooler Information Custody Seal

## Cooler

A Absent

## Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1614661-01A	Metals Only - Glass 60mL/2oz unp	A	N/A	2.9	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L1614661-01X	Glass 60ml unpreserved split	A	N/A	2.9	Y	Absent	TS(7)
L1614661-02A	Metals Only - Glass 60mL/2oz unp	A	N/A	2.9	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L1614661-02X	Glass 60ml unpreserved split	A	N/A	2.9	Y	Absent	TS(7)
L1614661-03A	Metals Only - Glass 60mL/2oz unp	A	N/A	2.9	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L1614661-03X	Glass 60ml unpreserved split	A	N/A	2.9	Y	Absent	TS(7)
L1614661-04A	Metals Only - Glass 60mL/2oz unp	A	N/A	2.9	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L1614661-04X	Glass 60ml unpreserved split	A	N/A	2.9	Y	Absent	TS(7)
L1614661-05A	Metals Only - Glass 60mL/2oz unp	A	N/A	2.9	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L1614661-05X	Glass 60ml unpreserved split	A	N/A	2.9	Y	Absent	TS(7)
L1614661-06A	Metals Only - Glass 60mL/2oz unp	A	N/A	2.9	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L1614661-06X	Glass 60ml unpreserved split	A	N/A	2.9	Y	Absent	TS(7)

\*Values in parentheses indicate holding time in days

**Project Name:** SHERIDAN HOLLOW BROWNFIELD**Lab Number:** L1614661**Project Number:** Not Specified**Report Date:** 05/27/16**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Analysis(*)</b>
L1614661-07A	Metals Only - Glass 60mL/2oz unp	A	N/A	2.9	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L1614661-07X	Glass 60ml unpreserved split	A	N/A	2.9	Y	Absent	TS(7)

\*Values in parentheses indicate holding time in days

**Project Name:** SHERIDAN HOLLOW BROWNFIELD**Lab Number:** L1614661**Project Number:** Not Specified**Report Date:** 05/27/16

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MS D	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

#### Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

**Project Name:** SHERIDAN HOLLOW BROWNFIELD  
**Project Number:** Not Specified

**Lab Number:** L1614661  
**Report Date:** 05/27/16

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 524.2:** 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene  
**EPA 624:** 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene  
**EPA 625:** Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.  
**EPA 1010A:** NPW: Ignitability  
**EPA 6010C:** NPW: Strontium; SCM: Strontium  
**EPA 8151A:** NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP  
**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.  
**EPA 8270D:** NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.  
**EPA 9010:** NPW: Amenable Cyanide Distillation, Total Cyanide Distillation  
**EPA 9038:** NPW: Sulfate  
**EPA 9050A:** NPW: Specific Conductance  
**EPA 9056:** NPW: Chloride, Nitrate, Sulfate  
**EPA 9065:** NPW: Phenols  
**EPA 9251:** NPW: Chloride  
**SM3500:** NPW: Ferrous Iron  
**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.  
**SM5310C:** DW: Dissolved Organic Carbon

### Mansfield Facility

**EPA 8270D:** NPW: Biphenyl; SCM: Biphenyl, Caprolactam  
**EPA 8270D-SIM Isotope Dilution:** SCM: 1,4-Dioxane  
**SM 2540D:** TSS  
**SM2540G:** SCM: Percent Solids  
**EPA 1631E:** SCM: Mercury  
**EPA 7474:** SCM: Mercury  
**EPA 8081B:** NPW and SCM: Mirex, Hexachlorobenzene.  
**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.  
**EPA 8270-SIM:** NPW and SCM: Alkylated PAHs.  
**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.  
**Biological Tissue Matrix:** **8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:** Lead; **8270D:** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:


### Drinking Water

**EPA 200.8:** Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;  
**EPA 300.0:** Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**  
**EPA 332:** Perchlorate.  
**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

### Non-Potable Water

**EPA 200.8:** Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;  
**EPA 200.7:** Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;  
**EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F,**  
**EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**  
**EPA 624:** Volatile Halocarbons & Aromatics,  
**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs  
**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.  
**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 <b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 2 of	Date Rec'd in Lab <b>5/14/16</b>	ALPHA Job # <b>11614661</b>				
	Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 329 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288						
<b>Project Information</b>		<b>Deliverables</b>		<b>Billing Information</b>				
Project Name: Sheridan Hollow Brownfield		<input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		<input checked="" type="checkbox"/> Same as Client Info				
Project Location: Sheridan Hollow Neighborhood				PO #				
Project #								
<b>Client Information</b>		<b>Regulatory Requirement</b>		<b>Disposal Site Information</b>				
Client: Affordable Housing Partnership		<input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Please identify below location of applicable disposal facilities.				
Address: 255 Orange St		Project Manager: Susan Cotner		Disposal Facility:				
Albany NY 12210		ALPHAQuote #:		<input type="checkbox"/> NJ <input type="checkbox"/> NY				
Phone: 518-434-1730 x403		<b>Turn-Around Time</b>		<input type="checkbox"/> Other:				
Fax: 518-434-1767		Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days: <b>10</b>						
Email: scotner@ahphome.org								
These samples have been previously analyzed by Alpha <input type="checkbox"/>		<b>ANALYSIS</b>		<b>Sample Filtration</b>				
<b>Other project specific requirements/comments:</b>		NY Part 375 Metals *NO Hex or Triv Chromium		<input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)				
*No Hexavalent or Trivalent Chromium				<b>Sample Specific Comments</b>				
Please specify Metals or TAL.								
<b>ALPHA Lab ID (Lab Use Only)</b>	<b>Sample ID</b>	<b>Collection</b>		<b>Sample Matrix</b>	<b>Sampler's Initials</b>	<b>Analysis</b>	<b>Comments</b>	
		<b>Date</b>	<b>Time</b>					
14661 -01	1) 224 Orange, Southside	4/10/2016		Soil	LM	X	See Comments	
-02	2) 231 Sheridan, New Garden	4/27/2016		Soil	LM	X		
-03	3) 241 Sheridan, Playground	4/27/2016		Soil	LM	X		
-04	4) 235 Orange, Northside	4/10/2016		Soil	LM	X		
-05	5) Splash Park	4/27/2016		Soil	LM	X		
-06	6) 216 Orange between Orange & Sheridan	4/10/2016		Soil	LM	X		
-07	7) 319 Orange, Playground	4/28/2016		Soil	LM	X		
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type A Preservative A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.
Relinquished By: <i>[Signature]</i>		Date/Time: 5/13/16 2:45 PM		Received By: <i>[Signature]</i>		Date/Time: 5-13-16 2:45 PM		
Form No: 01-25 (rev. 30-Sept-2013)								