

August 17, 2021

Paul Bliss, Owner
Bliss Construction
6790 Main Street, Suite 100
Williamsville, New York 14221

Via email: pbliss@blissco.net

Re: **Focused Environmental Site Assessment; Brief Summary Letter Report
4780 Sheridan Drive, Amherst, NY**

Dear Mr. Bliss:

In accordance with the executed agreement, Environmental Advantage ("EA") completed a Focused Environmental Site Assessment (ESA) of the above-referenced property ("site") (Figures 1 and 2; Attachment A) for Bliss Construction ("Bliss"). Based on the results of a Phase I Environmental Site Assessment report for the site, dated June 30, 2021, EA recommended further testing to determine if the historical use of the site as a commercial nursery had impacted site conditions, primarily associated with former pesticide and herbicide applications. In that regard, EA developed a rough grid over both the current front and rear nursery areas as a basis to select soil sampling sites. Sampling was conducted by EA on July 27, 2021.

Shallow Subsurface Soil Collection

On-site field investigative activities were completed using a pick mattock to expose the shallow subsurface soil/fill profile in order to manually collect discrete soil samples in an effort to determine if pesticide and/or herbicide soil contaminants related to the conditions of concern described above could be identified. All sampling equipment was initially decontaminated before use and between each sample location.

Manual test pits were completed at twenty-seven (27) on-site locations as depicted in Figures 3 and 4). These sampling locations were selected roughly within the centers of 20 by 35 foot grids in the southern (front) area and at the nodes of 65 by 71 foot grids within the northern (rear) area. At each of the manual test pit locations, a grab soil sample was collected from material removed over a depth interval of approximately 0 to 12 inches below grade (bg), except sample location 'DS-001' which was collected at a depth of 0-24" below grade. Upon completing the manual test pits, the removed soil was placed back and tamped back to approximate its original grade.

Twenty-seven (27) soil/fill samples were selected from the test pit locations for laboratory analysis and placed in appropriate containers, sealed and labeled, preserved by cooling, and handled under chain of custody procedures until receipt by a NYSDEC-approved analytical laboratory. These samples were analyzed for the following analytical parameters, as summarized in Table 1 (Attachment B):



- SS-001 (0-12") through SS-026 (0-12") – Arsenic, Lead, and Copper via EPA Method 6010C/3050B;
- SS-006 (0-12"), SS-020 (0-12"), SS-025 (0-12"), DS-001 (0-2') – Arsenic, Lead, and Copper via EPA Method 6010C/3050B, total pesticides via EPA Method 8081B/3546, and total herbicides via EPA Method 8151A;
- SS-012 (0-12") – Semi-volatile organic compounds (SVOCs) via USEPA Method 8270D/3546 (due to the 12 ppm OVM reading), Arsenic, Lead, and Copper via EPA Method 6010C/3050B, total pesticides via EPA Method 8081B/3546, and total herbicides via EPA Method 8151A.

Shallow subsurface conditions (except for DS-001) generally consisted of naturally occurring brown silt, intermixed with varying amounts of fine/coarse (f/c) sand and trace gravel from 0 to 12 inches bg. Shallow subsurface conditions at sample location DS-001 generally consisted of wet to saturated brown sand and gravel fill 0 to 24 inches bg. It should be noted that slightly elevated OVM reading was recorded in SS-012 (0-12") at 12 ppm. Additionally, a limited odor was also noted in SS-012 (0-12"); however, no residues, discoloration, sheens, etc., were noted.

Discussion of Results

Soil/fill samples submitted for laboratory analysis were selected based upon EA's observations of the soil or fill materials encountered within the manual test pits (i.e., odors, residues, discoloration, sheens, etc.) and the VOCs screening results. Twenty-seven (27) soil/fill samples were submitted for laboratory analysis; SS-001 through SS-026 and DS-001. Soil analytical results are summarized in Table 2. The full analytical report is included in Attachment C.

No SVOCs or herbicides were detected in any of the shallow subsurface soil samples selected for analysis. Metals analytical test results detected arsenic, copper and lead at concentrations above their method detection limits in all of the 27 soil/fill samples collected. However, all detections were below their applicable Unrestricted Use Soil Cleanup Objectives (UUSCOs) as presented in the NYSDEC 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives¹, except for lead in SS-011 (0-12"). Total lead was detected in SS-011 (0-12") at a concentration of 80.3 parts per million (ppm), which exceeds its UUSCO of 63 ppm; however, that result is well below the Residential Use SCO (RUSCO) of 400 ppm.

Pesticide analytical test results detected eight (8) separate pesticides at concentrations above method detection limits in all five (5) of the soil/fill samples analyzed for total pesticides. All detections were above the applicable UUSCOs but below the RUSCOs as presented in the NYSDEC 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives, except for dieldrin in SS-020 (0-12"). Dieldrin was detected in SS-020 (0-12") at a concentration of 350 ppm, which exceeds its Restricted Residential Use SCO of 200 ppm.

¹ NYSDEC 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (SCOs); Table 375-6.8(a) Unrestricted Use SCOs and Table 375-6.8(b): Residential Use SCOs

Based on the results of this focused investigation, EA notes that evidence of historical metal-based pesticide use on-site was identified at levels below NYSDEC/NYSDOH unrestricted site use levels with the exception of total lead in SS-011 (0-12") at 80.3 ppm. Similarly, no organic herbicide residues were detected at any of the five locations analyzed. Evidence of historical organic pesticide use was detected above NYSDEC/NYSDOH unrestricted site use levels in all five samples analyzed, with one sample exhibiting levels above its Restricted Residential Use SCO at the SS-020 (0-12") sample location.

Summary of Business Environmental Risk

To best determine the potential impact of the limited analytical results obtained for this site, the current proposed use must be considered. The construction of single family homes would likely be restricted until further characterization of the on-site shallow subsurface soil/fill is completed to ensure no additional "hot spots" exist. Also, such additional characterization would include collecting samples at varying depths, as the use of the 0"-12" bg sampling technique could mute the results if the pesticides are concentrated nearer the ground surface. It should be noted that a potential always exists on virtually any commercial site that limited areas may be present on-site which could exhibit higher levels of contaminants than were detected in a given study. It is possible that the entire former nursery area may exceed RRUSCO levels, and possibly even Commercial Use SCO levels. In the event that higher levels are detected across a larger area of the site, the potential exists that agency-reportable levels may exist to be addressed in accordance with USEPA CERCLA reporting procedures; however, at this point such levels do not appear to have been verified. EA can only warrant the site conditions in the specific areas of the site that were investigated.

To remedy the existing known site conditions to allow the current proposed use, the potential exists that the surface and shallow subsurface soils may need to be graded and removed from the site for off-site landfill disposal. Limiting that affected area to within the sampling gridded areas (front and rear), EA calculated that the material that may require removal is approximately 5,500 cubic yards. Assuming 1.5 tons per cubic yard and current transportation and disposal costs in the range of \$35/ton, such an undertaking without the cost of grading, loading out and backfilling would be nearly \$200,000. That being the case, EA suggests that an alternate site use should likely be considered.

With respect to this site as it is currently understood, the NYSDEC provides guidance in its 6 NYCRR Part 360 regulations that in the event soil/fill is to be excavated, handled or otherwise encountered on any site due to future redevelopment or other construction activities, any subsurface materials encountered or observed which exhibit evidence of contamination or may be described as historical industrial fill, should be properly handled, characterized and, if necessary, disposed in accordance with NYSDEC guidance.

Information accumulated for this assessment will be retained with your project file. This letter report and information in your file is considered confidential and will not be released without your written authorization.

If you have any questions concerning the information present in this letter report, please contact me directly. Thank you for the opportunity to provide these site assessment services.

Very truly yours,
ENVIRONMENTAL ADVANTAGE, INC.

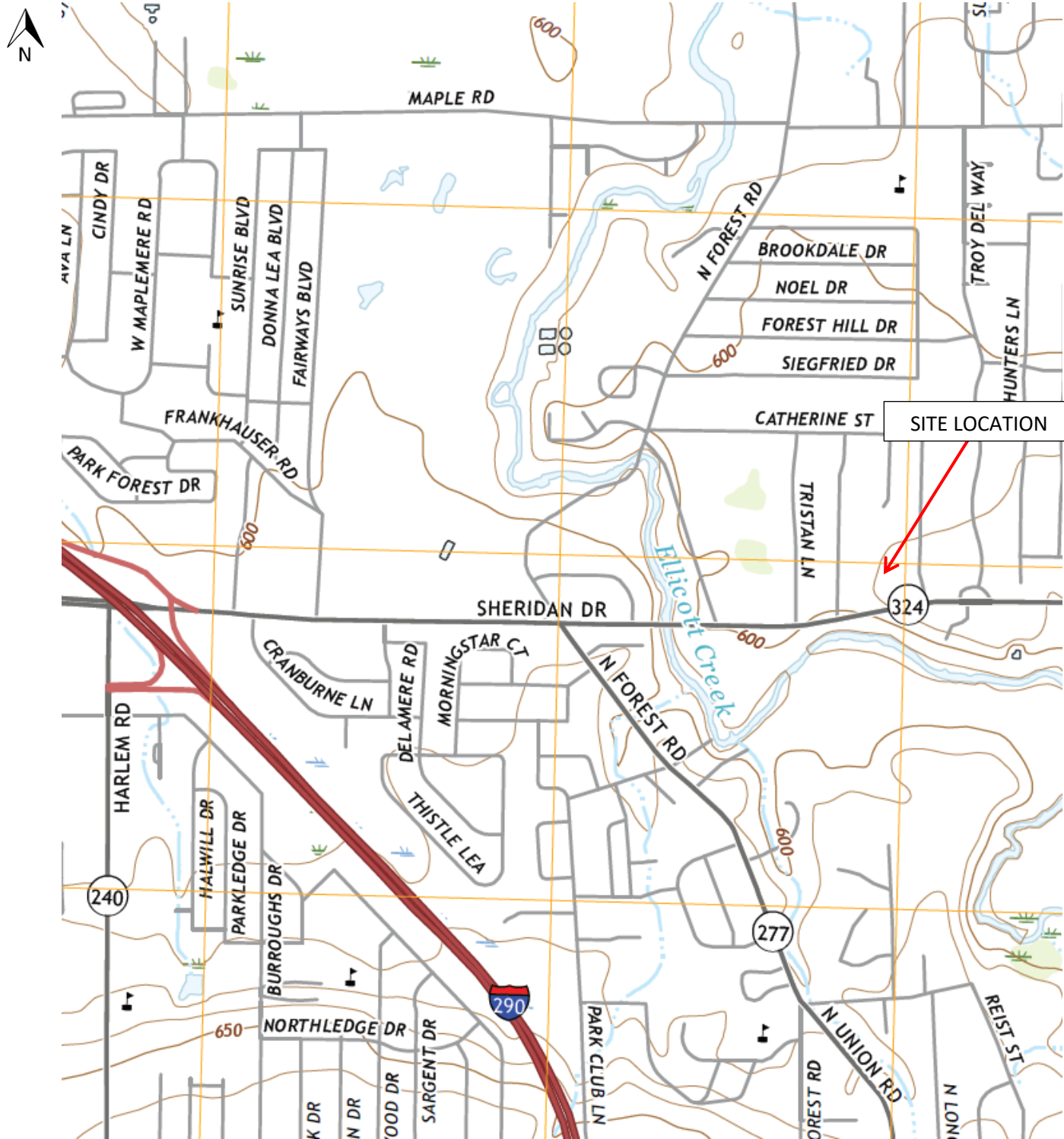


C. Mark Hanna, CHMM
President

Attachments

Attachment A

Figures



THIS DRAWING IS FOR ILLUSTRATIVE AND INFORMATIONAL PURPOSES ONLY
AND WAS ADAPTED FROM USGS, BUFFALO NE, NEW YORK QUADRANGLE (2016)

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

LOCATION PLAN

4780 SHERIDAN DRIVE
AMHERST, NEW YORK

BLISS CONSTRUCTION
AMHERST, NEW YORK

DRAWN BY: MB

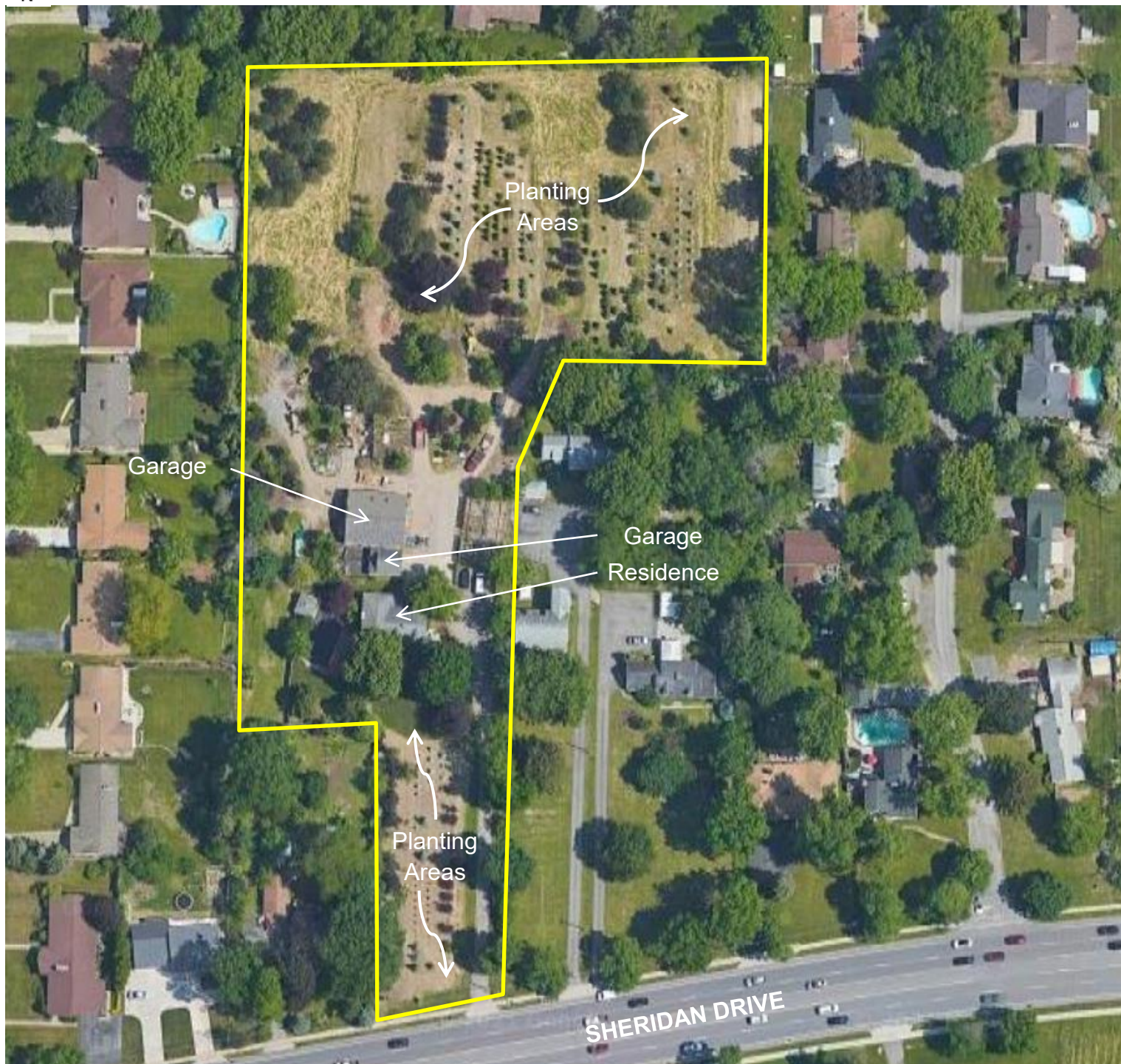
SCALE: NOT TO SCALE

PROJECT: EA2019

CHECKED BY: CMH

DATE: 08/2021

FIGURE NO: 1



ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

SITE PLAN

4780 SHERIDAN DRIVE
AMHERST, NEW YORK

BLISS CONSTRUCTION
WILLIAMSVILLE, NEW YORK

DRAWN BY: MB

SCALE: NOT TO SCALE

PROJECT: EA2019

CHECKED BY: CMH

DATE: 08/2021

FIGURE NO: 2



KEY

-  Sample submitted for metals analysis
-  Sample submitted for metals, pesticides, and herbicides analysis

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

SOUTHERN PORTION SAMPLING PLAN

4780 SHERIDAN DRIVE
AMHERST, NEW YORK

BLISS CONSTRUCTION

WILLIAMSVILLE, NEW YORK

DRAWN BY: MB

SCALE: NOT TO SCALE

PROJECT: EA2019

CHECKED BY: CMH

DATE: 08/2021

FIGURE NO: 3



KEY

-  Sample submitted for metals analysis
-  Sample submitted for metals, pesticides, and herbicides analysis
-  Sample submitted for metals, pesticides, herbicides, and SVOCs analysis

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

NORTHERN PORTION SAMPLING PLAN

4780 SHERIDAN DRIVE
AMHERST, NEW YORK

BLISS CONSTRUCTION

WILLIAMSVILLE, NEW YORK

DRAWN BY: MB

SCALE: NOT TO SCALE

PROJECT: EA2019

CHECKED BY: CMH

DATE: 08/2021

FIGURE NO: 4

Attachment B

Tables

Table 1
Analytical Sample Summary Table
4780 Sheridan Drive, Amherst NY

Location	Depth	Total Metals* EPA Method 6010C/3050B	Total Pesticides EPA Method 8081B/3546	Total Herbicides EPA Method 8151A	SVOCs EPA Method 8270D/3546	Selection
Soil Samples						
SS-001	0-12"	X				Center point of 20' x 35' sampling grid; southern portion
SS-002	0-12"	X				Center point of 20' x 35' sampling grid; southern portion
SS-003	0-12"	X				Center point of 20' x 35' sampling grid; southern portion
SS-004	0-12"	X				Center point of 20' x 35' sampling grid; southern portion
SS-005	0-12"	X				Center point of 20' x 35' sampling grid; southern portion
SS-006	0-12"	X	X	X		Center point of 20' x 35' sampling grid; southern portion / Site coverage for pesticides and herbicides
SS-007	0-12"	X				Center point of 20' x 35' sampling grid; southern portion
SS-008	0-12"	X				Center point of 20' x 35' sampling grid; southern portion
SS-009	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-010	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-011	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-012	0-12"	X	X	X	X	Node point of 65' x 71' sampling grid; northern portion / Site coverage for pesticides and herbicides / Slightly elevated OVM Reading; 12ppm
SS-013	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-014	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-015	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-016	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-017	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-018	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-019	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-020	0-12"	X	X	X		Node point of 65' x 71' sampling grid; northern portion / Site coverage for pesticides and herbicides
SS-021	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-022	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-023	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-024	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
SS-025	0-12"	X	X	X		Node point of 65' x 71' sampling grid; northern portion / Site coverage for pesticides and herbicides
SS-026	0-12"	X				Node point of 65' x 71' sampling grid; northern portion
DS-001	0-2'	X	X	X		Node point of 65' x 71' sampling grid; northern portion / Site coverage for pesticides and herbicides / Potential floor drain discharge location

Notes:

- * Total metals = Arsenic, Copper, and Lead
- SVOCs = Semi-volatile Organic Compounds

Table 2
Soil Analytical Summary Results
4780 Sheridan Drive, Amherst NY

Location	UUSCO	RUSCO	RRUSCO	CUSCO	SS-001 (0-12")	SS-002 (0-12")	SS-003 (0-12")	SS-004 (0-12")	SS-005 (0-12")	SS-006 (0-12")	SS-007 (0-12")	SS-008 (0-12")	SS-009 (0-12")	SS-010 (0-12")	SS-011 (0-12")	SS-012 (0-12")	SS-013 (0-12")	SS-014 (0-12")
Sampling Date					7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021
Lab Sample ID					213387-01	213387-02	213387-03	213387-04	213387-05	213387-06	213387-07	213387-08	213387-09	213387-10	213387-11	213387-12	213387-13	213387-14
Semi-Volatiles (SVOCs) Analysis via EPA Method 8270 TCL (ug/kg)																		
All Parameters Analyzed*	NV	NV	NV	NV	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT
Metals Analysis via EPA Method 6010C / 3050B (mg/kg)																		
Arsenic	13	16	16	16	2.74	2.71	3.04	3.31	2.82	2.35	2.48	3.46	4.34	5.31	4.8	7.79	4.98	3.66
Copper	50	270	270	270	12.1	15.5	12.8	14.9	15.1	11.9	13.3	13.5	20.8	11.9	22.9	24.6	26.8	22.3
Lead	63	400	400	1,000	15.2	19.2	14.4	20.8	20.2	14.7	13.6	20.5	23.1	26.1	80.3	51.7	42.7	30.6
Pesticides Analysis via EPA Method 8081B / 3546 (ug/kg)																		
4,4'-DDE	3.3	1,800	8,900	62,000	NT	NT	NT	NT	NT	6.78	NT	NT	NT	NT	NT	ND	NT	NT
4,4'-DDT	3.3	1,700	7,900	47,000	NT	NT	NT	NT	NT	3.52	NT	NT	NT	NT	NT	ND	NT	NT
Cis-Chlordane (alpha)	94	910	4,200	24,000	NT	NT	NT	NT	NT	5.80 P	NT	NT	NT	NT	NT	6.30 P	NT	NT
Dieldrin	5	39	200	1,400	NT	NT	NT	NT	NT	21.8	NT	NT	NT	NT	NT	8.76 P	NT	NT
Endosulfan II	2,400	4,800	24,000	200,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	4.21 P	NT	NT
Endosulfan sulfate	2,400	4,800	24,000	200,000	NT	NT	NT	NT	NT	4.90 P	NT	NT	NT	NT	NT	ND	NT	NT
Methoxychlor	NV	NV	NV	NV	NT	NT	NT	NT	NT	4.62	NT	NT	NT	NT	NT	5.12	NT	NT
trans-Chlordane	NV	NV	NV	NV	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	4.94	NT	NT
Herbicides Analysis via EPA Method 8151A (ug/kg)																		
All Parameters Analyzed**	NV	NV	NV	NV	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	ND	NT	NT

Location	UUSCO	RUSCO	RRUSCO	CUSCO	SS-015 (0-12")	SS-016 (0-12")	SS-017 (0-12")	SS-018 (0-12")	SS-019 (0-12")	SS-020 (0-12")	SS-021 (0-12")	SS-022 (0-12")	SS-023 (0-12")	SS-024 (0-12")	SS-025 (0-12")	SS-026 (0-12")	DS-001 (0-2")
Sampling Date					7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021	7/27/2021
Lab Sample ID					213387-15	213387-16	213387-17	213387-18	213387-19	213387-20	213387-21	213387-22	213387-23	213387-24	213387-25	213387-26	213387-27
Semi-Volatiles (SVOCs) Analysis via EPA Method 8270 TCL (ug/kg)																	
All Parameters Analyzed*	NV	NV	NV	NV	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Metals Analysis via EPA Method 6010C / 3050B (mg/kg)																	
Arsenic	13	16	16	16	4.26	4.9	3.84	3.1	3.36	3.9	4.61	3.66	10.1	3.4	3.93	4.16	5.33
Copper	50	270	270	270	19.4	21.8	19.1	16	13.3	11	14.5	11.3	12.7	11.6	37.5	15.9	33.2
Lead	63	400	400	1,000	41.3	47.6	38.5	21.5	22.4	23.9	26.8	23.4	24.1	22.3	26.1	46.9	50
Pesticides Analysis via EPA Method 8081B / 3546 (ug/kg)																	
4,4'-DDE	3.3	1,800	8,900	62,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	20.7	NT	ND
4,4'-DDT	3.3	1,700	7,900	47,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	7.94	NT	ND
Cis-Chlordane	NV	NV	NV	NV	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	11.2 P	NT	4.68
Dieldrin	5	39	200	1,400	NT	NT	NT	NT	NT	350	NT	NT	NT	NT	23.4	NT	18.6
Endosulfan II	2,400	4,800	24,000	200,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	ND	NT	ND
Endosulfan sulfate	2,400	4,800	24,000	200,000	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	ND	NT	ND
Methoxychlor	NV	NV	NV	NV	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	17.7	NT	ND
trans-Chlordane	NV	NV	NV	NV	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	ND	NT	ND
Herbicides Analysis via EPA Method 8151A (ug/kg)																	
All Parameters Analyzed**	NV	NV	NV	NV	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	ND	NT	ND

Notes:

- Analytical testing performed by Paradigm Environmental Services, Inc. Compounds detected in one or more samples are presented in this table. Refer to Appendix for the full analytical report.
- mg/kg = parts per million; ug/kg = parts per billion.
- ND = not detected; NT = not tested; NV = no value.
- Analytical results compared to NYSDEC 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (SCOs); Table 375-6.8(a) Unrestricted Use SCOs and Table 375-6.8(b): Restricted Use SCOs.
- * = SVOC analytes include total compound list (TCL).
- ** = Herbicides analyzed include 2,4,5-T, 2,4,5-TP (Silvex), and 2,4-D.
- P = Concentration differs by more than 40% between the primary and secondary analytical columns.
- Shading indicates:
 - exceeds UUSCO - Unrestricted Use Soil Cleanup Objective
 - exceeds RUSCO - Residential Use Soil Cleanup Objective
 - exceeds RRUSCO - Restricted Residential Use Soil Cleanup Objective
 - exceeds CUSCO - Commercial Use Soil Cleanup Objective

Attachment C

Laboratory Analytical Report



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Environmental Advantage Inc.

For Lab Project ID

213387

Referencing

EA-2019 4780 Sheridan Dr, Phase II ESA

Prepared

Wednesday, August 4, 2021

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "R. R. O'Neil", is positioned above a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 001 (0 - 12")

Lab Sample ID: 213387-01

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	2.74	mg/Kg		7/30/2021 19:20
Copper	12.1	mg/Kg		7/30/2021 19:20
Lead	15.2	mg/Kg		7/30/2021 19:20
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 002 (0 - 12")

Lab Sample ID: 213387-02

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	2.71	mg/Kg		7/30/2021 19:34
Copper	15.5	mg/Kg		7/30/2021 19:34
Lead	19.2	mg/Kg		7/30/2021 19:34
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 003 (0 - 12")

Lab Sample ID: 213387-03

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	3.04	mg/Kg		7/30/2021 19:38
Copper	12.8	mg/Kg		7/30/2021 19:38
Lead	14.4	mg/Kg		7/30/2021 19:38
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: Environmental Advantage Inc.

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 004 (0 - 12")

Lab Sample ID: 213387-04

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	3.31	mg/Kg		7/30/2021 19:43
Copper	14.9	mg/Kg		7/30/2021 19:43
Lead	20.8	mg/Kg		7/30/2021 19:43
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: Environmental Advantage Inc.

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 005 (0 - 12")

Lab Sample ID: 213387-05

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	2.82	mg/Kg		7/30/2021 19:56
Copper	15.1	mg/Kg		7/30/2021 19:56
Lead	20.2	mg/Kg		7/30/2021 19:56
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				

Lab Project ID: 213387

Client: Environmental Advantage Inc.
Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 006 (0 - 12")

Lab Sample ID: 213387-06

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Herbicides

Analyte	Result	Units	Qualifier	Date Analyzed
2,4,5-T	<185	ug/Kg		7/30/2021
2,4,5-TP (Silvex)	<185	ug/Kg		7/30/2021
2,4-D	<185	ug/Kg		7/30/2021

Method Reference(s): EPA 8151A

Subcontractor ELAP ID: 11148

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	2.35	mg/Kg		7/30/2021 20:01
Copper	11.9	mg/Kg		7/30/2021 20:01
Lead	14.7	mg/Kg		7/30/2021 20:01

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/30/2021

Data File: 210730C

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 2.99	ug/Kg		8/3/2021 16:14
4,4-DDE	6.78	ug/Kg		8/3/2021 16:14
4,4-DDT	3.52	ug/Kg		8/3/2021 16:14
Aldrin	< 2.99	ug/Kg		8/3/2021 16:14
alpha-BHC	< 2.99	ug/Kg		8/3/2021 16:14
beta-BHC	< 2.99	ug/Kg		8/3/2021 16:14
cis-Chlordane	5.80	ug/Kg	P	8/3/2021 16:14
delta-BHC	< 2.99	ug/Kg		8/3/2021 16:14
Dieldrin	21.8	ug/Kg		8/3/2021 16:14
Endosulfan I	< 2.99	ug/Kg		8/3/2021 16:14
Endosulfan II	< 2.99	ug/Kg		8/3/2021 16:14



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 006 (0 - 12")

Lab Sample ID: 213387-06

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Endosulfan Sulfate	4.90	ug/Kg	P	8/3/2021 16:14
Endrin	< 2.99	ug/Kg		8/3/2021 16:14
Endrin Aldehyde	< 2.99	ug/Kg		8/3/2021 16:14
Endrin Ketone	< 2.99	ug/Kg		8/3/2021 16:14
gamma-BHC (Lindane)	< 2.99	ug/Kg		8/3/2021 16:14
Heptachlor	< 2.99	ug/Kg		8/3/2021 16:14
Heptachlor Epoxide	< 2.99	ug/Kg		8/3/2021 16:14
Methoxychlor	4.62	ug/Kg		8/3/2021 16:14
Toxaphene	< 29.9	ug/Kg		8/3/2021 16:14
trans-Chlordane	< 2.99	ug/Kg		8/3/2021 16:14

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
Decachlorobiphenyl (1)	48.6	10 - 134		8/3/2021 16:14
Tetrachloro-m-xylene (1)	41.4	26.3 - 99.8		8/3/2021 16:14

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/3/2021



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 007 (0 - 12")

Lab Sample ID: 213387-07

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	2.48	mg/Kg		7/30/2021 20:06
Copper	13.3	mg/Kg		7/30/2021 20:06
Lead	13.6	mg/Kg		7/30/2021 20:06
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 008 (0 - 12")

Lab Sample ID: 213387-08

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	3.46	mg/Kg		7/30/2021 20:10
Copper	13.5	mg/Kg		7/30/2021 20:10
Lead	20.5	mg/Kg		7/30/2021 20:10
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 009 (0 - 12")

Lab Sample ID: 213387-09

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	4.34	mg/Kg		7/30/2021 20:15
Copper	20.8	mg/Kg		7/30/2021 20:15
Lead	23.1	mg/Kg		7/30/2021 20:15
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 010 (0 - 12")

Lab Sample ID: 213387-10

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	5.31	mg/Kg		7/30/2021 20:20
Copper	11.9	mg/Kg		7/30/2021 20:20
Lead	26.1	mg/Kg		7/30/2021 20:20
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 011 (0 - 12")

Lab Sample ID: 213387-11

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	4.80	mg/Kg		7/30/2021 20:24
Copper	22.9	mg/Kg		7/30/2021 20:24
Lead	80.3	mg/Kg		7/30/2021 20:24
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 012 (0 - 12")

Lab Sample ID: 213387-12

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Herbicides

Analyte	Result	Units	Qualifier	Date Analyzed
2,4,5-T	<202	ug/Kg		7/30/2021
2,4,5-TP (Silvex)	<202	ug/Kg		7/30/2021
2,4-D	<202	ug/Kg		7/30/2021

Method Reference(s): EPA 8151A

Subcontractor ELAP ID: 11148

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	7.79	mg/Kg		7/30/2021 20:29
Copper	24.6	mg/Kg		7/30/2021 20:29
Lead	51.7	mg/Kg		7/30/2021 20:29

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/30/2021

Data File: 210730C

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.14	ug/Kg		8/2/2021 15:59
4,4-DDE	< 3.14	ug/Kg		8/2/2021 15:59
4,4-DDT	< 3.14	ug/Kg		8/2/2021 15:59
Aldrin	< 3.14	ug/Kg		8/2/2021 15:59
alpha-BHC	< 3.14	ug/Kg		8/2/2021 15:59
beta-BHC	< 3.14	ug/Kg		8/2/2021 15:59
cis-Chlordane	6.30	ug/Kg	P	8/2/2021 15:59
delta-BHC	< 3.14	ug/Kg		8/2/2021 15:59
Dieldrin	8.76	ug/Kg	P	8/2/2021 15:59
Endosulfan I	< 3.14	ug/Kg		8/2/2021 15:59
Endosulfan II	4.21	ug/Kg	P	8/2/2021 15:59

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Report Prepared Wednesday, August 4, 2021



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier:	SS - 012 (0 - 12")		
Lab Sample ID:	213387-12	Date Sampled:	7/27/2021
Matrix:	Soil	Date Received:	7/29/2021

Endosulfan Sulfate	< 3.14	ug/Kg	8/2/2021 15:59
Endrin	< 3.14	ug/Kg	8/2/2021 15:59
Endrin Aldehyde	< 3.14	ug/Kg	8/2/2021 15:59
Endrin Ketone	< 3.14	ug/Kg	8/2/2021 15:59
gamma-BHC (Lindane)	< 3.14	ug/Kg	8/2/2021 15:59
Heptachlor	< 3.14	ug/Kg	8/2/2021 15:59
Heptachlor Epoxide	< 3.14	ug/Kg	8/2/2021 15:59
Methoxychlor	5.12	ug/Kg	8/2/2021 15:59
Toxaphene	< 31.4	ug/Kg	8/2/2021 15:59
trans-Chlordane	4.94	ug/Kg	8/2/2021 15:59

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl (1)	23.0	10 - 134		8/2/2021 15:59
Tetrachloro-m-xylene (1)	25.3	26.3 - 99.8	*	8/2/2021 15:59

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 7/30/2021

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 311	ug/Kg		7/30/2021 16:17
1,2,4,5-Tetrachlorobenzene	< 311	ug/Kg		7/30/2021 16:17
1,2,4-Trichlorobenzene	< 311	ug/Kg		7/30/2021 16:17
1,2-Dichlorobenzene	< 311	ug/Kg		7/30/2021 16:17
1,3-Dichlorobenzene	< 311	ug/Kg		7/30/2021 16:17
1,4-Dichlorobenzene	< 311	ug/Kg		7/30/2021 16:17
2,2-Oxybis (1-chloropropane)	< 311	ug/Kg		7/30/2021 16:17
2,3,4,6-Tetrachlorophenol	< 311	ug/Kg		7/30/2021 16:17
2,4,5-Trichlorophenol	< 311	ug/Kg		7/30/2021 16:17
2,4,6-Trichlorophenol	< 311	ug/Kg		7/30/2021 16:17
2,4-Dichlorophenol	< 311	ug/Kg		7/30/2021 16:17
2,4-Dimethylphenol	< 311	ug/Kg		7/30/2021 16:17

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Report Prepared Wednesday, August 4, 2021

Lab Project ID: 213387
Client: **Environmental Advantage Inc.**
Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier:	SS - 012 (0 - 12")		
Lab Sample ID:	213387-12	Date Sampled:	7/27/2021
Matrix:	Soil	Date Received:	7/29/2021

2,4-Dinitrophenol	< 1240	ug/Kg	7/30/2021 16:17
2,4-Dinitrotoluene	< 311	ug/Kg	7/30/2021 16:17
2,6-Dinitrotoluene	< 311	ug/Kg	7/30/2021 16:17
2-Chloronaphthalene	< 311	ug/Kg	7/30/2021 16:17
2-Chlorophenol	< 311	ug/Kg	7/30/2021 16:17
2-Methylnaphthalene	< 311	ug/Kg	7/30/2021 16:17
2-Methylphenol	< 311	ug/Kg	7/30/2021 16:17
2-Nitroaniline	< 311	ug/Kg	7/30/2021 16:17
2-Nitrophenol	< 311	ug/Kg	7/30/2021 16:17
3&4-Methylphenol	< 311	ug/Kg	7/30/2021 16:17
3,3'-Dichlorobenzidine	< 311	ug/Kg	7/30/2021 16:17
3-Nitroaniline	< 311	ug/Kg	7/30/2021 16:17
4,6-Dinitro-2-methylphenol	< 416	ug/Kg	7/30/2021 16:17
4-Bromophenyl phenyl ether	< 311	ug/Kg	7/30/2021 16:17
4-Chloro-3-methylphenol	< 311	ug/Kg	7/30/2021 16:17
4-Chloroaniline	< 311	ug/Kg	7/30/2021 16:17
4-Chlorophenyl phenyl ether	< 311	ug/Kg	7/30/2021 16:17
4-Nitroaniline	< 311	ug/Kg	7/30/2021 16:17
4-Nitrophenol	< 311	ug/Kg	7/30/2021 16:17
Acenaphthene	< 311	ug/Kg	7/30/2021 16:17
Acenaphthylene	< 311	ug/Kg	7/30/2021 16:17
Acetophenone	< 311	ug/Kg	7/30/2021 16:17
Anthracene	< 311	ug/Kg	7/30/2021 16:17
Atrazine	< 311	ug/Kg	7/30/2021 16:17
Benzaldehyde	< 311	ug/Kg	7/30/2021 16:17
Benzo (a) anthracene	< 311	ug/Kg	7/30/2021 16:17
Benzo (a) pyrene	< 311	ug/Kg	7/30/2021 16:17
Benzo (b) fluoranthene	< 311	ug/Kg	7/30/2021 16:17
Benzo (g,h,i) perylene	< 311	ug/Kg	7/30/2021 16:17
Benzo (k) fluoranthene	< 311	ug/Kg	7/30/2021 16:17



Lab Project ID: 213387

Client: Environmental Advantage Inc.

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier:	SS - 012 (0 - 12")		
Lab Sample ID:	213387-12	Date Sampled:	7/27/2021
Matrix:	Soil	Date Received:	7/29/2021

Bis (2-chloroethoxy) methane	< 311	ug/Kg	7/30/2021 16:17
Bis (2-chloroethyl) ether	< 311	ug/Kg	7/30/2021 16:17
Bis (2-ethylhexyl) phthalate	< 311	ug/Kg	7/30/2021 16:17
Butylbenzylphthalate	< 311	ug/Kg	7/30/2021 16:17
Caprolactam	< 311	ug/Kg	7/30/2021 16:17
Carbazole	< 311	ug/Kg	7/30/2021 16:17
Chrysene	< 311	ug/Kg	7/30/2021 16:17
Dibenz (a,h) anthracene	< 311	ug/Kg	7/30/2021 16:17
Dibenzofuran	< 311	ug/Kg	7/30/2021 16:17
Diethyl phthalate	< 311	ug/Kg	7/30/2021 16:17
Dimethyl phthalate	< 311	ug/Kg	7/30/2021 16:17
Di-n-butyl phthalate	< 311	ug/Kg	7/30/2021 16:17
Di-n-octylphthalate	< 311	ug/Kg	7/30/2021 16:17
Fluoranthene	< 311	ug/Kg	7/30/2021 16:17
Fluorene	< 311	ug/Kg	7/30/2021 16:17
Hexachlorobenzene	< 311	ug/Kg	7/30/2021 16:17
Hexachlorobutadiene	< 311	ug/Kg	7/30/2021 16:17
Hexachlorocyclopentadiene	< 1240	ug/Kg	7/30/2021 16:17
Hexachloroethane	< 311	ug/Kg	7/30/2021 16:17
Indeno (1,2,3-cd) pyrene	< 311	ug/Kg	7/30/2021 16:17
Isophorone	< 311	ug/Kg	7/30/2021 16:17
Naphthalene	< 311	ug/Kg	7/30/2021 16:17
Nitrobenzene	< 311	ug/Kg	7/30/2021 16:17
N-Nitroso-di-n-propylamine	< 311	ug/Kg	7/30/2021 16:17
N-Nitrosodiphenylamine	< 311	ug/Kg	7/30/2021 16:17
Pentachlorophenol	< 622	ug/Kg	7/30/2021 16:17
Phenanthrene	< 311	ug/Kg	7/30/2021 16:17
Phenol	< 311	ug/Kg	7/30/2021 16:17
Pyrene	< 311	ug/Kg	7/30/2021 16:17

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Report Prepared Wednesday, August 4, 2021



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 012 (0 - 12")

Lab Sample ID: 213387-12

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
2,4,6-Tribromophenol	46.7	36.4 - 87.2		7/30/2021 16:17
2-Fluorobiphenyl	46.0	44 - 84		7/30/2021 16:17
2-Fluorophenol	43.4	43.2 - 82.1		7/30/2021 16:17
Nitrobenzene-d5	45.6	36.4 - 82.2		7/30/2021 16:17
Phenol-d5	43.1	41.1 - 81.4		7/30/2021 16:17
Terphenyl-d14	52.2	43.8 - 103		7/30/2021 16:17

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 7/30/2021

Data File: B55842.D



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 013 (0 - 12")

Lab Sample ID: 213387-13

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	4.98	mg/Kg		7/30/2021 20:33
Copper	26.8	mg/Kg		7/30/2021 20:33
Lead	42.7	mg/Kg		7/30/2021 20:33
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 014 (0 - 12")

Lab Sample ID: 213387-14

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	3.66	mg/Kg		7/30/2021 20:52
Copper	22.3	mg/Kg		7/30/2021 20:52
Lead	30.6	mg/Kg		7/30/2021 20:52
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 015 (0 - 12")

Lab Sample ID: 213387-15

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	4.26	mg/Kg		7/30/2021 20:56
Copper	19.4	mg/Kg		7/30/2021 20:56
Lead	41.3	mg/Kg		7/30/2021 20:56
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 016 (0 - 12")

Lab Sample ID: 213387-16

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	4.90	mg/Kg		7/30/2021 21:01
Copper	21.8	mg/Kg		7/30/2021 21:01
Lead	47.6	mg/Kg		7/30/2021 21:01
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 017 (0 - 12")

Lab Sample ID: 213387-17

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	3.84	mg/Kg		7/30/2021 21:06
Copper	19.1	mg/Kg		7/30/2021 21:06
Lead	38.5	mg/Kg		7/30/2021 21:06
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 018 (0 - 12")

Lab Sample ID: 213387-18

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	3.10	mg/Kg		7/30/2021 21:10
Copper	16.0	mg/Kg		7/30/2021 21:10
Lead	21.5	mg/Kg		7/30/2021 21:10
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 019 (0 - 12")

Lab Sample ID: 213387-19

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	3.36	mg/Kg		7/30/2021 21:15
Copper	13.3	mg/Kg		7/30/2021 21:15
Lead	22.4	mg/Kg		7/30/2021 21:15
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				

Lab Project ID: 213387

Client: Environmental Advantage Inc.
Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 020 (0 - 12")

Lab Sample ID: 213387-20

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Herbicides

Analyte	Result	Units	Qualifier	Date Analyzed
2,4,5-T	<196	ug/Kg		7/30/2021
2,4,5-TP (Silvex)	<196	ug/Kg		7/30/2021
2,4-D	<196	ug/Kg		7/30/2021

Method Reference(s): EPA 8151A

Subcontractor ELAP ID: 11148

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	3.90	mg/Kg		7/30/2021 21:41
Copper	11.0	mg/Kg		7/30/2021 21:41
Lead	23.9	mg/Kg		7/30/2021 21:41

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/30/2021

Data File: 210730C

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 31.8	ug/Kg		8/3/2021 14:05
4,4-DDE	< 31.8	ug/Kg		8/3/2021 14:05
4,4-DDT	< 31.8	ug/Kg		8/3/2021 14:05
Aldrin	< 31.8	ug/Kg		8/3/2021 14:05
alpha-BHC	< 31.8	ug/Kg		8/3/2021 14:05
beta-BHC	< 31.8	ug/Kg		8/3/2021 14:05
cis-Chlordane	< 31.8	ug/Kg		8/3/2021 14:05
delta-BHC	< 31.8	ug/Kg		8/3/2021 14:05
Dieldrin	350	ug/Kg		8/3/2021 14:05
Endosulfan I	< 31.8	ug/Kg		8/3/2021 14:05
Endosulfan II	< 31.8	ug/Kg		8/3/2021 14:05



Lab Project ID: 213387

Client: Environmental Advantage Inc.

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier:	SS - 020 (0 - 12")		
Lab Sample ID:	213387-20	Date Sampled:	7/27/2021
Matrix:	Soil	Date Received:	7/29/2021

Endosulfan Sulfate	< 31.8	ug/Kg	8/3/2021 14:05
Endrin	< 31.8	ug/Kg	8/3/2021 14:05
Endrin Aldehyde	< 31.8	ug/Kg	8/3/2021 14:05
Endrin Ketone	< 31.8	ug/Kg	8/3/2021 14:05
gamma-BHC (Lindane)	< 31.8	ug/Kg	8/3/2021 14:05
Heptachlor	< 31.8	ug/Kg	8/3/2021 14:05
Heptachlor Epoxide	< 31.8	ug/Kg	8/3/2021 14:05
Methoxychlor	< 31.8	ug/Kg	8/3/2021 14:05
Toxaphene	< 31.8	ug/Kg	8/3/2021 14:05
trans-Chlordane	< 31.8	ug/Kg	8/3/2021 14:05

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
Decachlorobiphenyl (1)	NC	10 - 134		8/3/2021 14:05
Tetrachloro-m-xylene (1)	NC	26.3 - 99.8		8/3/2021 14:05

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 7/30/2021



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 021 (0 - 12")

Lab Sample ID: 213387-21

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	4.61	mg/Kg		7/30/2021 21:54
Copper	14.5	mg/Kg		7/30/2021 21:54
Lead	26.8	mg/Kg		7/30/2021 21:54
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 022 (0 - 12")

Lab Sample ID: 213387-22

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	3.66	mg/Kg		7/30/2021 21:58
Copper	11.3	mg/Kg		7/30/2021 21:58
Lead	23.4	mg/Kg		7/30/2021 21:58
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 023 (0 - 12")

Lab Sample ID: 213387-23

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	10.1	mg/Kg		7/30/2021 22:03
Copper	12.7	mg/Kg		7/30/2021 22:03
Lead	24.1	mg/Kg		7/30/2021 22:03
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 024 (0 - 12")

Lab Sample ID: 213387-24

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	3.40	mg/Kg		7/30/2021 22:07
Copper	11.6	mg/Kg		7/30/2021 22:07
Lead	22.3	mg/Kg		7/30/2021 22:07
Method Reference(s): EPA 6010C EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				



Lab Project ID: 213387

Client: Environmental Advantage Inc.

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 025 (0 - 12")

Lab Sample ID: 213387-25

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Herbicides

Analyte	Result	Units	Qualifier	Date Analyzed
2,4,5-T	<208	ug/Kg		7/30/2021
2,4,5-TP (Silvex)	<208	ug/Kg		7/30/2021
2,4-D	<208	ug/Kg		7/30/2021
Method Reference(s): EPA 8151A				
Subcontractor ELAP ID: 11148				

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	3.93	mg/Kg		7/30/2021 22:12
Copper	37.5	mg/Kg		7/30/2021 22:12
Lead	26.1	mg/Kg		7/30/2021 22:12
Method Reference(s): EPA 6010C				
EPA 3050B				
Preparation Date: 7/30/2021				
Data File: 210730C				

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.28	ug/Kg		8/3/2021 16:30
4,4-DDE	20.7	ug/Kg		8/3/2021 16:30
4,4-DDT	7.94	ug/Kg		8/3/2021 16:30
Aldrin	< 3.28	ug/Kg		8/3/2021 16:30
alpha-BHC	< 3.28	ug/Kg		8/3/2021 16:30
beta-BHC	< 3.28	ug/Kg		8/3/2021 16:30
cis-Chlordane	11.2	ug/Kg	P	8/3/2021 16:30
delta-BHC	< 3.28	ug/Kg		8/3/2021 16:30
Dieldrin	23.4	ug/Kg		8/3/2021 16:30
Endosulfan I	< 3.28	ug/Kg		8/3/2021 16:30
Endosulfan II	< 3.28	ug/Kg		8/3/2021 16:30



Lab Project ID: 213387

Client: Environmental Advantage Inc.

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier:	SS - 025 (0 - 12")		
Lab Sample ID:	213387-25	Date Sampled:	7/27/2021
Matrix:	Soil	Date Received:	7/29/2021

Endosulfan Sulfate	< 3.28	ug/Kg	8/3/2021 16:30
Endrin	< 3.28	ug/Kg	8/3/2021 16:30
Endrin Aldehyde	< 3.28	ug/Kg	8/3/2021 16:30
Endrin Ketone	< 3.28	ug/Kg	8/3/2021 16:30
gamma-BHC (Lindane)	< 3.28	ug/Kg	8/3/2021 16:30
Heptachlor	< 3.28	ug/Kg	8/3/2021 16:30
Heptachlor Epoxide	< 3.28	ug/Kg	8/3/2021 16:30
Methoxychlor	17.7	ug/Kg	8/3/2021 16:30
Toxaphene	< 32.8	ug/Kg	8/3/2021 16:30
trans-Chlordane	< 3.28	ug/Kg	8/3/2021 16:30

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
Decachlorobiphenyl (1)	27.0	10 - 134		8/3/2021 16:30
Tetrachloro-m-xylene (1)	44.2	26.3 - 99.8		8/3/2021 16:30

Method Reference(s): EPA 8081B
EPA 3546
Preparation Date: 8/3/2021



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: SS - 026 (0 - 12")

Lab Sample ID: 213387-26

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Metals

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Arsenic	4.16	mg/Kg		7/30/2021 22:17
Copper	15.9	mg/Kg		7/30/2021 22:17
Lead	46.9	mg/Kg		7/30/2021 22:17
Method Reference(s):	EPA 6010C EPA 3050B			
Preparation Date:	7/30/2021			
Data File:	210730C			



Lab Project ID: 213387

Client: **Environmental Advantage Inc.**

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: DS - 001 (0 - 2')

Lab Sample ID: 213387-27

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Herbicides

Analyte	Result	Units	Qualifier	Date Analyzed
2,4,5-T	<232	ug/Kg		7/30/2021
2,4,5-TP (Silvex)	<232	ug/Kg		7/30/2021
2,4-D	<232	ug/Kg		7/30/2021

Method Reference(s): EPA 8151A

Subcontractor ELAP ID: 11148

Metals

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	5.33	mg/Kg		7/30/2021 22:21
Copper	33.2	mg/Kg		7/30/2021 22:21
Lead	50.0	mg/Kg		7/30/2021 22:21

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 7/30/2021

Data File: 210730C

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.83	ug/Kg		8/2/2021 16:49
4,4-DDE	< 3.83	ug/Kg		8/2/2021 16:49
4,4-DDT	< 3.83	ug/Kg		8/2/2021 16:49
Aldrin	< 3.83	ug/Kg		8/2/2021 16:49
alpha-BHC	< 3.83	ug/Kg		8/2/2021 16:49
beta-BHC	< 3.83	ug/Kg		8/2/2021 16:49
cis-Chlordane	4.68	ug/Kg		8/2/2021 16:49
delta-BHC	< 3.83	ug/Kg		8/2/2021 16:49
Dieldrin	18.6	ug/Kg		8/2/2021 16:49
Endosulfan I	< 3.83	ug/Kg		8/2/2021 16:49
Endosulfan II	< 3.83	ug/Kg		8/2/2021 16:49

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

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Report Prepared Wednesday, August 4, 2021



Lab Project ID: 213387

Client: Environmental Advantage Inc.

Project Reference: EA-2019 4780 Sheridan Dr, Phase II ESA

Sample Identifier: DS - 001 (0 - 2')

Lab Sample ID: 213387-27

Date Sampled: 7/27/2021

Matrix: Soil

Date Received: 7/29/2021

Endosulfan Sulfate	< 3.83	ug/Kg	8/2/2021 16:49
Endrin	< 3.83	ug/Kg	8/2/2021 16:49
Endrin Aldehyde	< 3.83	ug/Kg	8/2/2021 16:49
Endrin Ketone	< 3.83	ug/Kg	8/2/2021 16:49
gamma-BHC (Lindane)	< 3.83	ug/Kg	8/2/2021 16:49
Heptachlor	< 3.83	ug/Kg	8/2/2021 16:49
Heptachlor Epoxide	< 3.83	ug/Kg	8/2/2021 16:49
Methoxychlor	< 3.83	ug/Kg	8/2/2021 16:49
Toxaphene	< 38.3	ug/Kg	8/2/2021 16:49
trans-Chlordane	< 3.83	ug/Kg	8/2/2021 16:49

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
Decachlorobiphenyl (1)	33.9	10 - 134		8/2/2021 16:49
Tetrachloro-m-xylene (1)	45.3	26.3 - 99.8		8/2/2021 16:49

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 7/30/2021



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

1 of 3

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT: Environmental Advantage Inc.	CLIENT: SAME	213387		
ADDRESS: 3636 N. Buffalo Rd.	ADDRESS: SAME	Quotation #:		
CITY: Orchard Park STATE: NY ZIP: 14127	CITY: STATE: ZIP:	Email: mhanna@envadventure.com ebetzold@envadventure.com		
PHONE: 716-667-3130	PHONE:			
ATTN: Mark Hanna + Eric Betzold	ATTN:			
Matrix Codes:				
AQ - Aqueous Liquid	WA - Water	DW - Drinking Water	SO - Soil	SD - Solid
NQ - Non-Aqueous Liquid	WG - Groundwater	WW - Wastewater	SL - Sludge	WP - Wipe
				CK - Caulk
				OL - Oil
				AR - Air

PROJECT REFERENCE
EA-2019 4780 Sheridan
Drive, Phase II ESA

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX	CONTAINER OF	REQUESTED ANALYSIS										REMARKS	PARADIGM LAB SAMPLE NUMBER
							Total Metals	Total Pesticides	Total Herbicides	SVOC	PCB	TCDF	TCDD	PAH	DDT	Chlordane		
7/27/21	9:10am		X	SS-001 (0-12")	Soil	1	X										* T. Copper, Arsenic, Lead	01
7/27/21	9:15am		X	SS-002 (0-12")	Soil	1	X											02
7/27/21	9:20am		X	SS-003 (0-12")	Soil	1	X										** Put on hold until EA	03
7/27/21	9:25am		X	SS-004 (0-12")	Soil	1	X										Provides 'go ahead' SVOC	04
7/27/21	9:30am		X	SS-005 (0-12")	Soil	1	X										analysis will be a	05
7/27/21	9:35am		X	SS-006 (0-12")	Soil	3	X	X	X									06
7/27/21	9:55am		X	SS-007 (0-12")	Soil	1	X											07
7/27/21	10:00am		X	SS-008 (0-12")	Soil	1	X											08
7/27/21	12:45pm		X	SS-009 (0-12")	Soil	1	X											09
7/27/21	12:50pm		X	SS-010 (0-12")	Soil	1	X										Sub sent directly to sent	10

Turnaround Time	Report Supplements	
Availability contingent upon lab approval; additional fees may apply.		
Standard 5 day ☐	None Required ☐	None Required ☐
10 day ☐	Batch QC ☐	Basic EDD ☐
Rush 3 day ☒	Category A ☐	NYSDEC EDD ☐
Rush 2 day ☐	Category B ☐	
Rush 1 day ☐		
Date Needed _____ please indicate date needed:	Other ☐ please indicate package needed:	Other EDD ☐ please indicate EDD needed:

Eric Betzold 7/27/21 3:30pm
 Sampled By *[Signature]* Date/Time 7/28/21 1550
 Relinquished By *[Signature]* Date/Time 7/28/21 1550
 Received By *[Signature]* Date/Time 7/29/21 1525
 Received @ Lab By *[Signature]* Date/Time 5:00ced 7/29/21 15:21

Total Cost:

P.I.F.

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

2 of 3

PARADIGM
ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID					
CLIENT: Environmental Advantage Inc.	CLIENT: SAME	LAB PROJECT ID: 213387							
ADDRESS: 3636 N. Buffalo Rd	ADDRESS: SAME	Quotation #:							
CITY: Orchard Park NY	CITY: STATE: ZIP:	Email: mhanna@envadvantage.com							
PHONE: 716-667-3130	PHONE:	ebetzold@envadvantage.com							
ATTN: Mark Hanna + Eric Betzold	ATTN:								
Matrix Codes:									
AQ - Aqueous Liquid	WA - Water	DW - Drinking Water	SO - Soil	SD - Solid	WP - Wipe				
NQ - Non-Aqueous Liquid	WG - Groundwater	WW - Wastewater	SL - Sludge	PT - Paint	CK - Caulk				
OL - Oil	AR - Air								
REQUESTED ANALYSIS									
DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX	CONTAINER	ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/27/21	12:55pm		X	SS-011 (0-12")	Soil	1	X	* T. Copper, Arsenic, Lead.	11
7/27/21	1:00pm		X	SS-012 (0-12")	Soil	4	X X X X		12
7/27/21	1:05pm		X	SS-013 (0-12")	Soil	1	X	* put on hold until EA provides consent to analyze.	13
7/27/21	1:10pm		X	SS-014 (0-12")	Soil	1	X		14
7/27/21	1:15pm		X	SS-015 (0-12")	Soil	1	X		15
7/27/21	1:20pm		X	SS-016 (0-12")	Soil	1	X		16
7/27/21	1:40pm		X	SS-017 (0-12")	Soil	1	X		17
7/27/21	1:45pm		X	SS-018 (0-12")	Soil	1	X		18
7/27/21	1:50pm		X	SS-019 (0-12")	Soil	1	X		19
7/27/21	1:55pm		X	SS-020 (0-12")	Soil	3	X X X		20

Turnaround Time		Report Supplements	
Availability contingent upon lab approval; additional fees may apply.			
Standard 5 day	☐	None Required	☐
10 day	☐	Batch QC	☐
Rush 3 day	☒	Category A	☐
Rush 2 day	☐	Category B	☐
Rush 1 day	☐		
Date Needed _____		Other	☐
please indicate date needed:		please indicate package needed:	
		Other EDD	☐
		please indicate EDD needed:	

Eric Betzold 7/27/21 3:30pm
 Sampled By: [Signature] Date/Time
 Relinquished By: [Signature] Date/Time
 Received By: [Signature] Date/Time
 Received @ Lab By: [Signature] Date/Time

Total Cost:

P.I.F.

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See additional page for sample conditions.

30 A3

CHAIN OF CUSTODY

REPORT TO:

INVOICE TO:

CLIENT: Environmental Advantage Inc	CLIENT: SAME	LAB PROJECT ID: 213387
ADDRESS: 3030 N. Buffalo Rd. NY 14210	ADDRESS: SAME	Quotation #: 7
CITY: Orchard Park STATE: NY ZIP: 14210	CITY: STATE: ZIP:	Email: mhanna@envadvantage.com
PHONE: 716-1467-3130	PHONE:	ebetzold@envadvantage.com
ATTN: Mark Hanna + Eric Betzold	ATTN:	

Matrix Codes:

AQ - Aqueous Liquid	WA - Water	DW - Drinking Water	SO - Soil	SD - Solid	WP - Wipe	OL - Oil
NQ - Non-Aqueous Liquid	WG - Groundwater	WW - Wastewater	SL - Sludge	PT - Paint	CK - Caulk	AR - Air

PROJECT REFERENCE
EA-2019 4780 Sheridan Dr.
Phase II ESA

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX	CONTAINER OF	Total Metals*	Total Pesticides	Total Herbicides										REMARKS	PARADIGM LAB SAMPLE NUMBER
7/27/21	2:00		X	SS-021 (0-12")	Soil	1	X												*T. Copper, Arsenic, lead	21
7/27/21	2:05		X	SS-022 (0-12")	Soil	1	X													22
7/27/21	2:10		X	SS-023 (0-12")	Soil	1	X													23
7/27/21	2:15		X	SS-024 (0-12")	Soil	1	X													24
7/27/21	2:20		X	SS-025 (0-12")	Soil	3	X	X	X											25
7/27/21	2:30		X	SS-026 (0-12")	Soil	1	X													26
7/27/21	2:45		X	DS-001 (0-2')	Soil	3	X	X	X											27

Turnaround Time	Report Supplements	
Availability contingent upon lab approval; additional fees may apply.		
Standard 5 day ☐	None Required ☐	None Required ☐
10 day ☐	Batch QC ☐	Basic EDD ☐
Rush 3 day ☒	Category A ☐	NYSDEC EDD ☐
Rush 2 day ☐	Category B ☐	
Rush 1 day ☐		
Date Needed _____ please indicate date needed:	Other ☐ please indicate package needed:	Other EDD ☐ please indicate EDD needed:

Eric Betzold 7/27/21 2:30PM
 Sampled By _____ Date/Time _____
 Relinquished By _____ Date/Time 7/28/21 1550
 Received By _____ Date/Time 7/28/21 1550
 Received @ Lab By _____ Date/Time 7/29/21 1525

Total Cost:

P.I.F.

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Chain of Custody Supplement

Client: Env Advantage Completed by: Molly Kail
 Lab Project ID: 213387 Date: 7/29/21

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	Yes	No	N/A	
Container Type	☒	☐	☐	
Comments				
Transferred to method-compliant container	☐	☐	☒	
Headspace (<1 mL)	☐	☐	☒	
Comments				
Preservation	☐	☐	☒	
Comments				
Chlorine Absent (<0.10 ppm per test strip)	☐	☐	☒	
Comments				
Holding Time	☒	☐	☐	
Comments				
Temperature	☒	☐	☒	
Comments	5°C (41°F)			
Compliant Sample Quantity/Type	☒	☐	☐	
Comments	Herb sent directly to sub lab			



CHAIN OF CUSTODY

L2140573

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[illegible]

Turnaround Time		Report Supplements	
Availability contingent upon lab approval; additional fees may apply.			
Standard 5 day	☐	None Required	☐
10 day	☐	Batch QC	☐
Rush 3 day	☒	Category A	☐
Rush 2 day	☐	Category B	☐
Rush 1 day	☐		
Other	☐	Other	☐
please indicate date needed: _____		please indicate package needed: _____	

Client	
Sampled By	Date/Time
Beim Zuch	7/28/21 16:50
Relinquished By	Date/Time
Ats An	7/28/21 1650
Received By	Date/Time
[Signature]	7/29/21 00:40
Received @ Lab By	Date/Time

Total Cost:

P.L.F.

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