JAM
Environmental Consulting, LLC

November 8, 2021

Mr. Robert Lamb
Elderlee, Inc.
729 Cross Road
Oaks Corners, New York 14518

Re: 2021 Annual Groundwater Sampling and Reporting
Elderlee, Inc., 729 Cross Road, Oaks Corners, New York
JAM Environmental Consulting, LLC. project number: 2021008

Dear Mr. Lamb:

The purpose of the Report is to detail the outcome of recent groundwater sampling performed at 729 Cross Road, in Oaks Corners, Ontario County, New York, hereafter referred to as "the Site." The findings described in the Report indicate that analyte concentrations are generally consistent with previous historical sampling events.

JAM Environmental Consulting, LLC appreciates the opportunity to serve your environmental needs for this project. If you have any question regarding this Report, please do not hesitate to call me at (585) 635-8382.

Sincerely,

James A. Moore, ASHM
Owner/Operator
JAM Environmental Consulting, LLC.

Cc: Jonathan Tamargo – NYSDEC Region 8
Karis Manning – NYSDEC Region 8
Adam Morgan – NYSDEC Region 8
Director, Bureau of Environmental Exposure Investigation – NYSDOH
Robert Lamb – Elderlee, Inc

2021 Annual Groundwater Sampling Report

Location:

729 Cross Road
Oaks Corners, New York

Prepared For:
Elderlee, Inc.
729 Cross Road
Oaks Corners, New York 14518

July 2021

Prepared By:

JAM
Environmental Consulting, LLC

1475 Fallen Leaf Terrace, Webster, New York 14580

www.JAMEnvironmentalConsulting.com

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1.0 Introduction

JAM Environmental Consulting, LLC. was retained by Elderlee, Inc. to provide professional environmental services at 729 Cross Road, Oaks Corners, New York, hereinafter referred to as the "Site" for the 2021 annual groundwater sampling event. (Figure 1)

A portion of this Site (Elderlee, Inc.) in Oaks Corners, New York is a listed New York State Department of Environmental Conservation (NYSDEC) Inactive Hazardous Waste Disposal Site (NYSDEC ID3 835014). This Site has been utilized to manufacture road signs, galvanized highway bridge rail, and guide rails since approximately 1968. Hazardous waste was disposed of in two (2) distinct areas of the Site.

Area A is a location of two (2) former settling lagoons that are located north of the galvanizing plant and used for neutralizing waste sulfuric acid until approximately 1984. Elevated levels of zinc and lead were detected in soil samples collect from the former lagoon area. A Remedial Investigation/Feasibility Study (RI/FS) was conducted at the Site in the fall of 1995. The RI/FS was finalized in 1998 and a Record of Decision (ROD) was signed in March 1998. The ROD specified asphalt capping of the former lagoon area combined with continued semi-annual ground water monitoring of selected wells located within, and downgradient, from Area A. The sampling frequency was subsequently reduced to annual sampling.

Area B was the former paint waste disposal area immediately southeast of the sign plant at the Site. Waste paint thinner and cleaning solvents were reportedly disposed of on the ground surface. Elevated levels of xylene, ethylbenzene, toluene and acetone have been detected in soil and groundwater samples collected form this area. The March 1998 ROD specified the operation and enhanced bioremediation program (i.e., oxygen injection) in this area combined with continued groundwater monitoring of selected wells located within the downgradient from Area B. After ground water analytical results indicated a significant decrease in contaminant levels with Area B monitoring wells utilizing a passive (wind-powered) soil vapor extraction system was installed to treat unsaturated soils in the area in the summer of 2001. Based on analytical results, periodic sampling of Area B ground water monitoring wells was terminated in 2006.

1.1 Objective

The objective of this project is to monitor Area A groundwater monitoring wells, collect cap photos and provide an annual progress report for Area A at the Site. The Scope of Work in Section 2.0 of this Report was conducted at the Site.

2.0 Scope of Work

2.1 Annual Sampling of Area A Groundwater Monitoring Wells

The NYSDEC requires the annual sample of Area A monitoring wells (MW-4A, MW-5A, MW-8, MW-9R, MW-10R, and MW-11). To meet the objective, JAM Environmental Consulting completed the following:

1. JAM Environmental Consulting's Environmental Scientist measured water levels from all on-site Area A monitoring wells prior to sample collection using an electronic water level meter calibrated to ±0.01 foot. Measurements were taken from the top of the inner PVC casing of each well which have previously been surveyed for elevation. Water level measurements were recorded on the groundwater sampling logs generated for each well sampled. The groundwater sampling logs are contained in Appendix C.

2. Prior to groundwater sampling, the monitoring wells were purged by the JAM Environmental Consulting's Environmental Scientist. Specifically, a peristaltic pump and dedicated Teflon tubing were used to purge the selected wells using low flow methodologies. Field parameter measurements for pH, Specific Conductance, Temperature and Turbidity were collected at five-minute intervals, then recorded on the individual Groundwater Sampling Log Sheets for each well sampled. Purging was considered complete with the field parameters of pH and Specific Conductance stabilized to within 10% for three (3) successive readings, and when the turbidity readings were at or below 10 Nephelometric Turbidity Units (NTUs). However, since the turbidity criteria of 10 NTUs could not be achieved, sampling was completed after turbidity measurements stabilized.

3. Groundwater samples were collected from each well once the purging criteria described above had been reached. The samples were collected using the peristaltic pump operating at the same low flow rate utilized during purging of the well. The groundwater samples were placed in laboratory supplied bottles, placed in a cooler on ice, and transported to ALS Environmental Laboratories under chain-of-custody procedures for the following analysis:

    - Target Analyte List (TAL) Metals by USEPA Methods 6010 and 7471
    - Chloride and Sulfate Ions by USEPA Method 300.0

2.2 Deviation from Reporting Requirements

This is the eighth annual reporting period for well MW-9R and MW-10R monitoring well locations, which replaced former well locations MW-9 and MW-10.

2.3 Annual Progress Report

Following sampling, JAM Environmental Consulting prepared this Annual Progress Report for the Site. The Report details the field methodologies implemented at the Site, and summarizes and discusses the results of the work, including a comparison of the current analytical result to historical site data as well as the appropriate NYSDEC Groundwater Standards and Guidance Values.

This Annual Progress Report will be submitted electronically as follows:

- Jonathan Tamargo – NYSDEC Region 8

- Karis Manning – NYSDEC Region 8
- Adam Morgan – NYSDEC Region 8
- Director, Bureau of Environmental Exposure Investigation – NYSDOH
- Robert Lamb – Elderlee, Inc

3.0 Field Measurements

On June 2nd, 2021, JAM Environmental Consulting's Environmental Scientist measured the water levels within the referenced groundwater monitoring wells in Area A with an electronic water level meter. Static water level readings were utilized to evaluate the groundwater flow pattern with historical data.

Well I.D.	Static Water Level (feet)	Depth of Well (feet)
MW-4A	3.70	12.0
MW-5A	3.19	11.3
MW-8	6.91	13.9
MW-9R	10.74	20.0
MW-10R	7.39	15.0
MW-11	1.57	12.3

The Site groundwater flow direction was calculated from the above static water level measurements collected on June 2nd, 2021, is depicted in Figure 3 – Appendix A. Water-level elevation data indicate groundwater to be flowing in a southeast direction on site.

4.0 Analytical Results

The laboratory results were compared to the NYCRR Part 703 Groundwater Standards from the NYSDEC Technical and Operational Guidance Series (1.1.1) Memorandum, and to historical analytical data collected for each well. Table 2 presents the analytical data from the Area A monitoring wells from the sampling event. Tables 3 through 8 present the current and historic analytical data for each well in Area A. Appendix E contains the laboratory report.
The following summarizes the infringements of groundwater quality standards identified during the 2021 annual sampling event:

- Three (3) wells (MW-4A, MW-9R and MW-11) contained concentrations of Chloride Ion that exceeded the NYCRR Part 703 Groundwater Standard.

- Five (5) wells (MW-4A, MW-5A, MW-8, MW-10R and MW-11) contained concentrations of Sulfate Ion that exceeded the NYCRR Part 703 Groundwater Standard.

- Five (5) wells (MW-4A, MW-5A, MW-8, MW-10R and MW-11) contained concentrations of iron that exceeded the NYCRR Part 703 Groundwater Standard.

- Five (5) wells (MW-4A, MW-5A, MW-9R, MW-10R and MW-11) contained concentrations of magnesium that exceeded the NYCRR Part 703 Groundwater Standard.

- Five (5) wells (MW-4A, MW-5A, MW-8, MW-10R and MW-11) contained concentrations of manganese that exceeded the NYCRR Part 703 Groundwater Standard.

- Six (6) wells (MW-4A, MW-5A, MW-8, MW-9R, MW-10R and MW-11) contained concentrations of sodium that exceeded the NYCRR Part 703 Groundwater Standard.

- One (1) well (MW-4A) contained concentrations of zinc that exceeded the NYCRR Part 703 Groundwater Standard.

- Two (2) wells (MW-4A and MW-5A) contained concentrations of thallium that exceeded the NYCRR Part 703 Groundwater Standard.

The concentration of analytes detected in groundwater samples collected on June 2nd, 2021, were generally within the ranges of values previously recorded for Area A monitoring wells. Appendix B – Table 2 depicts the results from the June 2nd, 2021, annual sampling event.

5.0 Summary of Findings

Summary of Findings

In general, the concentrations of analytes of concern have remained relatively unchanged over the past year. Many of the analytes that exceed the Part 703 Value in the previous sampling event were reported at concentrations still exceeding the Part 703 Value in the June 2nd, 2021, sampling event.

Concentrations of analytes of concern were below the standard deviation (SD) above their associated historical average concentration except for the following well/analyte that exceeded the historical average by one SD:

- MW-4A: Iron, Magnesium, Manganese, Sodium, Zinc, Sulfate and Chloride
- MW-5A: Iron, Magnesium, Manganese, Sodium and Sulfate
- MW-8: Iron, Magnesium, Manganese, Sodium and Sulfate
- MW-9R: Sodium and Chloride
- MW-10R: Iron, Manganese, Sodium and Sulfate
- MW-11: Iron, Magnesium, Manganese, Sodium, Sulfate and Chloride

Appendix B depicts the historical data in Table 3 through 8.

Conclusions

- Overall, the concentrations of analytes of interest are either decreasing in certain compounds or have remained relatively stable. Additionally, the analytical parameters have included testing for TAL metals, chloride, and sulfates. Generally, only a select few metals have been detected above the Part 703 Values on a consistent basis. These metals

include:

- Iron
- Magnesium
- Manganese
- Sodium
- Zinc

- As requested by the NYSDEC, a change of use and corrective action work plan was developed and submitted to the NYSDEC to address the BMP's for Area A. Area A consists of the two (2) former settling lagoons that are asphalt capped that are located north of the galvanizing plant. Based on the agreement between the NYSDEC and Elderlee, the following was implemented back in 2018.

    - A lining for a section storm water piping to the west of Area A was completed to restrict infiltration into the piping.

    - Installation for drainage swale to the east of the manufacturing facility to control no industrial storm water from entering the site.

    - The former dewatering pump station was abandoned, removed, and closed.

The above was conducted, and an approval letter dated November 15, 2018, from the NYSDEC was provided.

- Sealing of the Asphalt Cap in 2020.

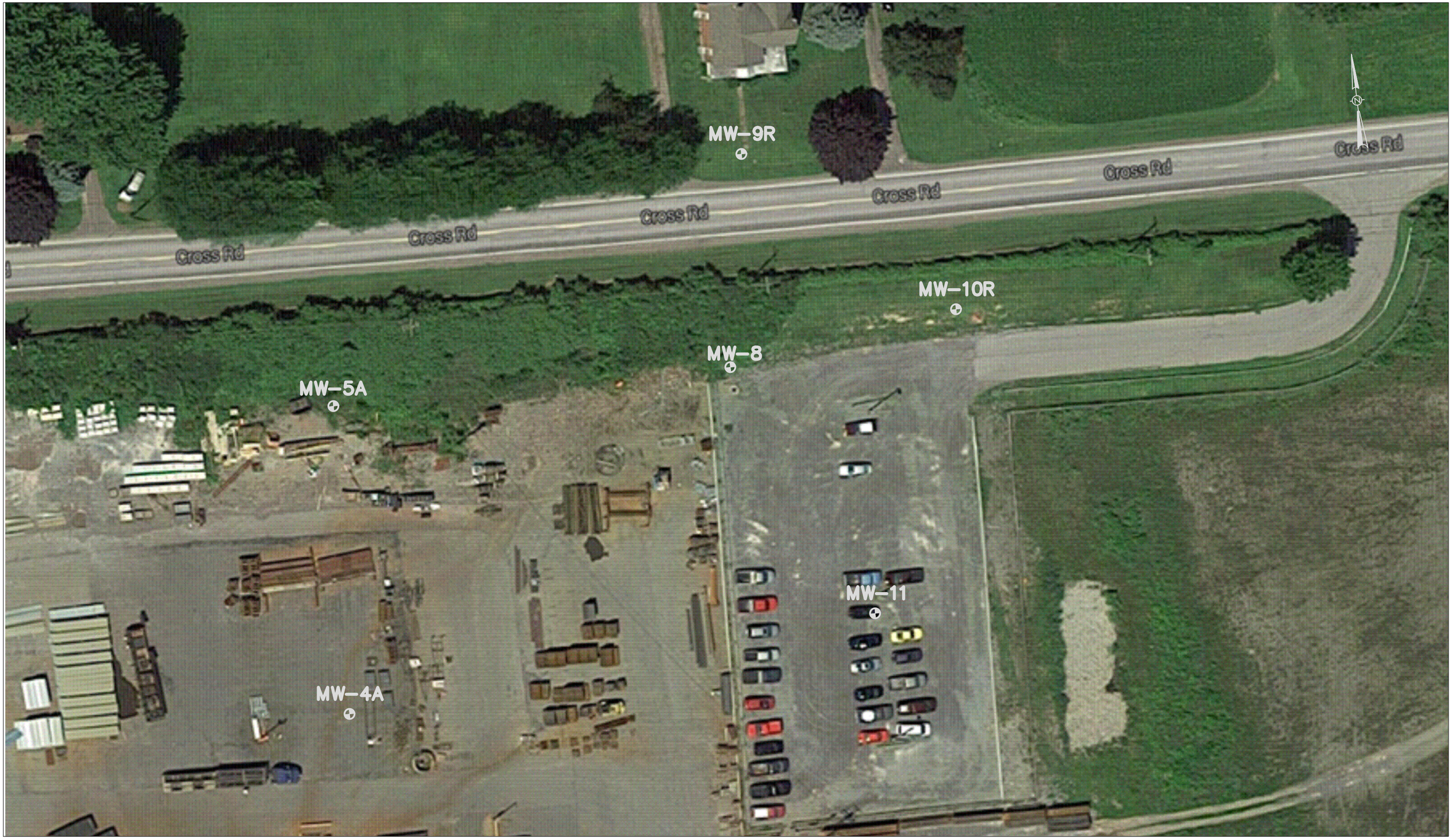
APPENDIX A

FIGURES

JAM
Environmental Consulting, LLC

1475 Fallen Leaf Terrace, Webster, New York 14615

Site Location Map Elderlee, Inc. - 729 Cross Road, Oaks Corners, NY	
Drawn Date: June 2021	
Drawn By: J. Moore	
Scale: NTS	Drawing No. 1



NO.	DATE	APPR.	REVISION	NO.	DATE	APPR.	REVISION

ELDERLEE, INC. - AREA A

729 CROSS ROAD, OAKS CORNERS, NY

JAM ENVIRONMENTAL CONSULTING, LLC
1475 FALLEN LEAF TERRACE
WEBSTER, NEW YORK 14580

CHECKED	JAM	DATE	6/2021
DESIGN ENGINEER	JAM		6/2021
PROJECT ENGINEER	JAM		6/2021
PROJECT MANAGER	JAM		6/2021
APPROVED	JAM		6/2021
APPROVED	JAM		6/2021

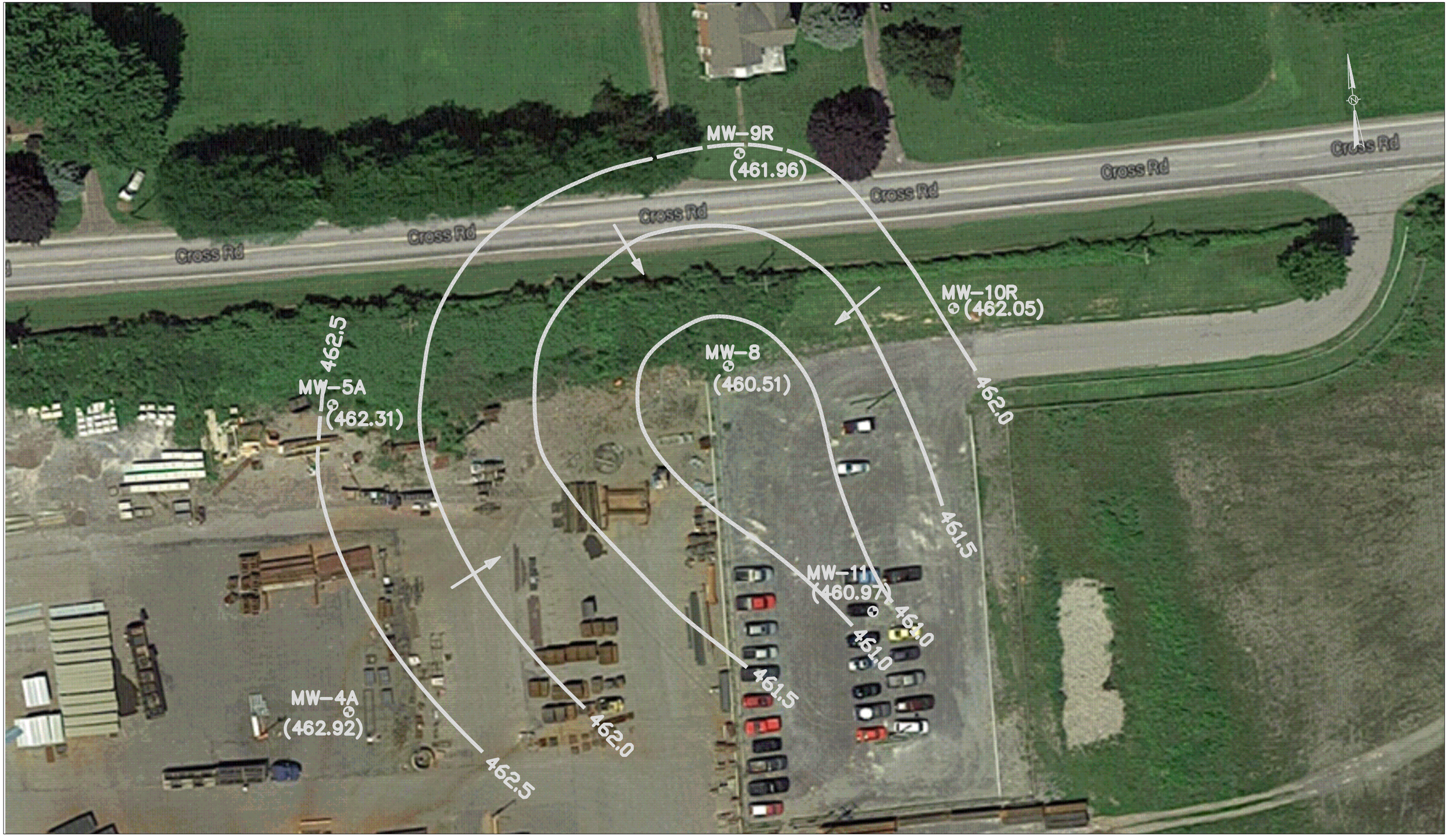
MONITOIRNG WELL LOCATION MAP
June 2021

DRAWN	JAM	DATE	JUNE 2021
SCALE	NOT TO SCALE	JOB NO.	
REVISION DATE:		FILE NAME:	

DRAWING NO. 2

REV. NO.

SHEET 1 OF 1



NO.	DATE	APPR.	REVISION	NO.	DATE	APPR.	REVISION

ELDERLEE, INC. - AREA A

729 CROSS ROAD, OAKS CORNERS, NY

JAM ENVIRONMENTAL CONSULTING, LLC
1475 FALLEN LEAF TERRACE
WEBSTER, NEW YORK 14580

CHECKED	JAM	6/2021
DESIGN ENGINEER	JAM	6/2021
PROJECT ENGINEER	JAM	6/2021
PROJECT MANAGER	JAM	6/2021
APPROVED	JAM	6/2021
APPROVED	JAM	6/2021

GROUNDWATER CONTOUR MAP
JUNE 2, 2021

DRAWN	JAM	DATE	JUNE 2021
SCALE	NOT TO SCALE	JOB NO.	
REVISION DATE:		FILE NAME:	

DRAWING NO. 3 REV. NO.

SHEET 1 OF 1

APPENDIX B

ANALYITICAL SUMMARY TABLES

Table 1
Annual Groundwater Sampling
729 Cross Road, Oaks Corners, New York

Summary of Monitoring Well Depths
June 3, 2021

Well I.D.	Monitoring Well Elevation TOC (ft)	Static Water Level (feet)	Groundwater Elevation (ft)	Depth of Well (feet)
MW-4A	466.62	3.7	462.92	12.04
MW-5A	465.50	3.19	462.31	11.3
MW-8	467.42	6.91	460.51	13.9
MW-9R	472.70	10.74	461.96	20.0
MW-10R	469.44	7.39	462.05	15.0
MW-11	462.54	1.57	460.97	12.3

Table 2
Elderlee, Inc. Oaks Corners Facility - Area A
Table of Analytical Results - June 2, 2021

Field Parameters	Units	Method	MW-4A	MW-5A	MW-8	MW-9R	MW-10R	MW-11	6NYCRR Part 703 MCL/Std.
Gradient Location	NA	NA	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	Downgradient	NS
Static Water Level	feet	NA	3.7	3.19	6.91	10.74	7.39	1.57	NS
Specific Conductance	umhos/cm	NA	2,860	2,650	2,260	1,850	1,480	2,990	NS
Temperature	Degrees C	NA	17.1	11.6	12.0	12.4	12.4	14.5	NS
pH	S.U.	NA	6.86	6.96	6.79	7.08	6.92	7.03	6.5 - 8.5
Turbidity	NTU	NA	0.9	0.9	0.70	0.29	1.1	2.6	NS
Metals									
Aluminum	ug/l	200.7	ND	ND	ND	ND	ND	ND	NS
Antimony	ug/l	200.7	ND	ND	ND	ND	ND	ND	3
Arsenic	ug/l	200.7	ND	ND	ND	ND	ND	ND	25
Barium	ug/l	200.7	47.2	ND	23.1	33.1	23.7	69.2	1,000
Beryllium	ug/l	200.7	ND	ND	ND	ND	ND	ND	3
Cadmium	ug/l	200.7	ND	ND	ND	ND	ND	ND	5
Calcium	ug/l	200.7	515,000	541,000	452,000	146,000	256,000	392,000	NS
Chromium	ug/l	200.7	ND	ND	ND	ND	ND	ND	50
Cobalt	ug/l	200.7	ND	ND	ND	ND	ND	ND	5
Copper	ug/l	200.7	ND	ND	ND	ND	ND	ND	200
Iron	ug/l	200.7	**3,680**	**3,050**	**4,620**	ND	**688**	**6,310**	300
Lead	ug/l	200.7	ND	ND	ND	ND	ND	ND	25
Magnesium	ug/l	200.7	**64,200**	**47,000**	**37,100**	**31,200**	28,300	**64,600**	35,000
Manganese	ug/l	200.7	**553**	**594**	**593**	52	**1,980**	**1,290**	300
Mercury	ug/l	245.1	ND	ND	ND	ND	ND	ND	0.7
Nickel	ug/l	200.7	ND	ND	ND	ND	ND	ND	100
Potasium	ug/l	200.7	4,530	2,110	3,950	2,530	ND	5,500	NS
Selenium	ug/l	200.7	ND	ND	ND	ND	ND	ND	10
Silver	ug/l	200.7	ND	ND	ND	ND	ND	ND	50
Sodium	ug/l	200.7	**144,000**	**69,500**	**68,400**	**196,000**	**47,100**	**203,000**	20,000
Thallium	ug/l	200.7	**12.5**	**10.4**	ND	ND	ND	ND	0.5
Vanadium	ug/l	200.7	ND	ND	ND	ND	ND	ND	NS
Zinc	ug/l	200.7	**12,800**	412	1,960	87	1,330	37.5	2,000
Wet Chemistry									
Chloride	mg/l	300.0	**272**	108	89.1	**373**	73.4	**363**	250
Sulfate	mg/l	300.0	**1,170**	**1,150**	**988**	82	**483**	**871**	250

Bold Type *- Exceeds NYCRR Part 703 Groundwater Standard from NYSDEC Technical and Operational Guidance Series (1.1.1) - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.*

NA - Not Applicable

ND<5.0 denotes that the constituent was not detected above the reported laboratory method detection limit.

NS - No Groundwater Standard

B - This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.

--- - Not Sampled

Table 3
Elderlee, Inc. Oaks Corners Facility - MW-4A

Field Parameters	UNITS	METHOD	6NYCRR Part703 MCL/std.	06/02/21	05/13/20	05/10/19	05/02/18	##	06/02/04	12/16/03	07/10/03	02/19/03	06/06/02	12/06/01	06/22/01	12/14/00	06/01/00	###	Arithmetic Mean	Standard Deviation
Static Water Level	feet	NA	NS	3.7	3.60	3.31	3.16	##	3.31	3.66	4.01	4.67	3.43	4.66	3.98	3.77	3.25	NA	3.77	0.55
Specific Conductance	umhos/cm	NA	NS	2,860	2,461	1,890	3,100	##	3,160	3,590	3,630	3,539	2,610	3,020	2,520	3,380	3,060	NA	3013.96	514.76
Temperature	Degrees F	NA	NS	17.1	12.5	12.9	11.7	##	59.20	50.40	65.80	46.50	60.60	60.60	68.50	46.00	62.80	NA	40.67	22.13
pH	S.U.	NA	6.5--8.5	6.86	6.86	6.65	6.75	##	6.68	6.75	6.21	6.97	6.68	6.69	6.74	6.52	6.81	NA	6.84	0.55
Turbidity	NTU	NA	NS	0.9	2.9	2.21	2.6	##	18.00	3.00	6.00	8.04	2.89	7.63	NA	12.00	11.50	NA	16.31	20.90
Metals																				
Aluminum	ug/l	200.7	NS	ND	ND	ND	ND		ND	ND	ND	ND	13	209	149	71 B	ND	B	265.39	295.71
Antimony	ug/l	200.7	3	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	20.5 B	ND		20.50	#DIV/0!
Arsenic	ug/l	200.7	25	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	3.4 B	ND	ND		6.57	4.25
Barium	ug/l	200.7	1,000	47.2	ND	ND	ND		ND	ND	ND	ND	18.1	ND	22.9	14.1 B	44.5	B	29.69	12.17
Beryllium	ug/l	200.7	3	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	0.9	ND	ND		12.55	16.48
Cadmium	ug/l	200.7	5	ND	ND	ND	ND		6.1	**7.3**	ND	**5.2**	3.4	ND	4.0 B	4.3 B	7.0		4.84	1.48
Calcium	ug/l	200.7	NS	515,000	496,000	320,000	572,000		443,000	551,000	498,000	553,000	536,000	503,000	347,000	575,000	572,000		522300.00	81889.20
Chromium	ug/l	200.7	50	ND	ND	ND	ND		11.9	11.7	12.8	ND	3.4	43.8	14.2	2.6 B	ND		14.29	13.19
Cobalt	ug/l	200.7	5	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	2.7 B	3 B	ND	B	1.93	0.67
Copper	ug/l	200.7	200	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	0.88 B	ND	ND		3.09	1.96
Iron	ug/l	200.7	300	**3,680**	**2,380**	**1,420**	**6,460**		**7,250**	**9,690**	**5,950**	**15,300**	**13,100**	**13,300**	**5,200**	**14,700**	**12,900**		8831.33	5340.40
Lead	ug/l	200.7	25	ND	ND	ND	ND		11.0	5.9	7.3	ND	2.5	17.5	11.4	ND	ND		29.61	44.52
Magnesium	ug/l	200.7	35,000	**64,200**	**57,500**	**38,900**	**65,700**		**89,800**	**103,000**	**103,000**	**83,200**	**72,300**	**57,400**	**54,200**	**78,100**	**82,600**		70136.67	19910.06
Manganese	ug/l	200.7	300	**553**	**503**	**408**	**472**		**596**	**705**	**739**	**619**	**647**	**331**	**646**	**697**	**719**		562.67	148.60
Mercury	ug/l	200.7	0.7	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND		0.17	#DIV/0!
Nickel	ug/l	200.7	100	ND	ND	ND	ND		ND	ND	ND	ND	8	ND	8 B	10.5	ND	B	8.34	1.23
Potassium	ug/l	200.7	NS	4,530	3,890	2,960	4,190		7,690	7,370	8,670	5,190	6,160	5,830	5,620	5,300	6,360		6230.67	1474.94
Selenium	ug/l	200.7	10	ND	ND	ND	ND		ND	ND	ND	ND	ND W	ND	2.8 B	ND	ND		8.51	9.62
Silver	ug/l	200.7	50	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	3 B	ND	ND		1.91	#DIV/0!
Sodium	ug/l	200.7	20,000	**144,000**	**141,000**	**88,400**	**168,000**		**194,000**	**231,000**	**189,000**	**154,000**	**111,000**	**97,700**	**78,900**	**115,000**	**114,000**		164306.67	54495.12
Thallium	ug/l	200.7	0.5*	**12.5**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND		12.25	0.35
Vanadium	ug/l	200.7	NS	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND
Zinc	ug/l	200.7	2,000	**12,800**	**13,600**	**7,400**	**10,500**		**14,400**	**15,100**	**13,400**	**11,600**	**10,300**	**5,910 E**	**14,500 E**	**11,900**	**13,800**		11992.33	2659.52
Wet Chemistry																				
Chloride	mg/l	300.0	250	**272**	240	160	**310**	##	**449**	**520**									334.68	93.76
Sulfate	mg/l	300.0	250	**1,170**	**1,400**	**880**	**1,600**	##	**1420**	**1590**									1320.00	234.14

Bold Type *- Exceeds NYCRR Part 703 Groundwater Standard from NYSDEC Technical and Operational Guidance Series (1.1.1) - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.*

NA - Not Applicable

ND<5.0 denotes that the constituent was not detected above the reported laboratory method detection limit.

NS - No Groundwater Standard

Table 4
Elderlee, Inc. Oaks Corners Facility - MW-5A

Field Parameters	UNITS	METHOD	6NYCRR Part703 MCLs/gl.	06/02/21	05/13/20	05/10/19	05/02/18	05/01/17	05/11/16	06/11/15	06/20/14	07/01/13	04/11/12	07/22/11	05/15/09	05/27/08	06/14/07	06/13/06	06/01/05	12/06/04	06/02/04	12/16/03	07/10/03	02/19/03	06/06/02	12/06/01	06/22/01	12/14/00	06/01/00	12/16/99	12/11/97	12/12/96	09/12/95	Arithmetic Mean	Standard Deviation
Static Water Level	feet	NA	NS	3.19	2.67	2.60	2.02	2.20	2.72	1.88	3.00	2.23	2.70	3.57	3.80	3.28	3.45	3.14	3.32	2.92	2.71	2.94	3.58	4.01	3.02	4.10	3.60	2.44	2.32	4.00	NA	NA	NA	3.03	0.63
Specific Conductance	umhos/cm	NA	NS	2,650	2,546	2,170	2,381	2,690	2,520	2,820	2,550	2,680	2,764	3,200	2,780	2,940	2,790	2,800	2,740	2,730	2,890	3,380	3,610	2,775	2,270	2,720	2,750	2,870	2,470	2,570	NA	NA	NA	2742.81	302.97
Temperature	Degrees F	NA	NS	11.6	9.0	9.2	9.5	9.1	10.9	14.20	16.35	16.5	48.8	21.2	12.8	52.2	59.0	60.1	60.4	45.9	55.2	45.0	61.0	43.1	57.0	56.1	62.1	43.9	59.9	47.9	NA	NA	NA	36.96	21.24
pH	S.U.	NA	6.5–8.5	6.96	6.99	6.86	7.07	5.47	7.10	6.89	6.65	6.95	6.92	7.87	7.81	7.61	7.02	7.24	7.48	7.06	7.05	6.99	**6.44**	7.06	6.99	6.94	7.08	7.03	6.92	7.38	NA	NA	NA	7.03	0.44
Turbidity	NTU	NA	NS	0.9	0.48	1.1	0.7	1.2	1.6	4.1	13.2	5	0.7	80	8	7	16	4	5	16	5	4	3	6	6	7	NA	1	5	2	NA	NA	NA	8.11	15.64
Metals																																			
Aluminum	ug/l	200.7	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31.3	44.9	ND	ND	ND	ND	109.0	61.73	41.50
Antimony	ug/l	200.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Arsenic	ug/l	200.7	25	ND	ND	ND	ND	ND	ND	16	ND	ND	4.6 B	19 J	ND<100	ND	ND	ND	ND	ND	ND	ND	10.6	ND	ND	ND	ND	20.8	7.1	ND	ND	20.8	13.8	ND	14.09	6.20
Barium	ug/l	200.7	1,000	ND	ND	ND	ND	ND	ND	ND	12.2 B	13.9 B	13.3 B	14 J	ND<20	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.1	ND	14.6	16.4	ND	ND	ND	ND	15.6	14.01	1.51
Beryllium	ug/l	200.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	1.20	NA
Cadmium	ug/l	200.7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	1.20	NA
Calcium	ug/l	200.7	NS	541,000	494,000	451,000	435,000	596,000	641,000	655,000	584,000	576,000	586,000	600,000	606,000	625,000	629,000	624,000	641,000	641,000	572,000	545,000	610,000	603,000	567,000	605,000	603,000	589,000	566,000	525,000	547,000	631,000	712,000	586,666.67	58,207.91
Chromium	ug/l	200.7	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.68 J	ND<100	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	1	ND	ND	ND	ND	ND	ND	1.26	0.61
Cobalt	ug/l	200.7	5	ND	ND	ND	ND	ND	ND	ND	1.7 B	1.8 B	1.9 B	1.9 J	ND<50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	2.28	NA
Copper	ug/l	200.7	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	3	ND	ND	ND	ND	ND	1.92	1.39
Iron	ug/l	200.7	300	**3,050**	**868**	**1,740**	**1,600**	**2,330**	**2,490**	**3,200**	**4,010**	**3,940**	**2,440**	**5,300**	**4,800**	**5,610**	**4,380**	**6,380**	**5,140**	**7,080**	**5,430**	**6,280**	**8,260**	**5,960**	**4,590**	**6,020**	**7,480**	**8,540**	**7,090**	**6,040**	**6,860**	**4,160**	**1,900**	4,765.60	2,087.45
Lead	ug/l	200.7	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	ND	ND	5.00	NA
Magnesium	ug/l	200.7	35,000	**47,000**	**35,800**	28,900	21,500	27,800	**39,800**	**39,900**	**42,500**	**33,600**	**37,600**	**40,000**	**47,700**	**36,800**	**45,000**	**42,500**	**44,300**	32,300	**40,900**	32,200	**39,700**	**43,300**	**39,000**	**38,900**	**46,200**	27,600	29,300	31,900	**38,700**	**67,400**	**71,200**	39,676.67	10,274.20
Manganese	ug/l	200.7	300	**594**	**409**	440	296	**502**	**600**	**834**	**725**	**613**	**788**	**710**	**684**	**672**	**567**	**651**	**557**	**608**	**637**	**651**	**1,110**	**556**	**553**	**572**	**582**	**884**	**766**	**636**	**726**	**804**	**805**	651.07	155.37
Mercury	ug/l	200.7	0.7	ND	ND	ND	ND	ND	ND	ND	ND	0.037 B	ND	ND	ND<0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND	ND	ND	ND	ND	ND	ND	ND	0.03	NA
Nickel	ug/l	200.7	100	ND	ND	ND	ND	ND	ND	ND	2.8 B	6.4 B	2.5 B	2.7 J	ND<40	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	5	ND	ND	ND	ND	7	4.11	1.94
Potassium	ug/l	200.7	NS	2,110	ND	ND	ND	ND	ND	ND	1,890	1,880	1,850	2,300	ND<2,000	ND	ND	ND	ND	ND	ND	2,020	2,130	ND	1,580	ND	1,580	1,430	ND	ND	ND	2,580	3,420	2,064.17	535.09
Selenium	ug/l	200.7	10	ND	ND	ND	ND	ND	ND	**14.6**	**15** B	**17.5** B	ND	ND	ND<10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	10	ND	**15**	ND	12.70	4.87
Silver	ug/l	200.7	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	1	2.60	2.26
Sodium	ug/l	200.7	20,000	**69,500**	**57,700**	**53,400**	**52,200**	**58,100**	**67,400**	**68,500**	**68,200**	**66,500**	**61,800**	**71,000**	**78,900**	**72,400**	**72,200**	**84,500**	**69,700**	**82,200**	**109,000**	**242,000**	**248,000**	**55,300**	**46,700**	**44,600**	**39,600**	**33,900**	**37,400**	**38,900**	**48,600**	**85,700**	**80,700**	75,486.67	49,057.88
Thallium	ug/l	200.7	0.5*	**10.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Vanadium	ug/l	200.7	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Zinc	ug/l	200.7	2,000	412	312	314	273	363	364	306	366	290	332	300	246	238	208	221	186	215	210	206	223	207	157	165	119	247	173	160	232	211	302	251.93	72.78
Wet Chemistry																																			
Chloride	mg/l	300.0	250	108	88	86	95	93	110	110	110 B	100	95	100	174	141	134	195	149	177	244	**450**												145.21	85.27
Sulfate	mg/l	300	250	**1,150**	**1,200**	**1,100**	**960**	**1,400**	**1,400**	**1,300**	**1,300 B**	**1,100**	**1,300**	**1,200**	**1,340**	**1,140**	**1,300**	**1,320**	**1,190**	**1,310**	**1,270**	**1,110**												1,231.05	116.57

Bold Type *- Exceeds NYCRR Part 703 Groundwater Standard from NYSDEC Technical and Operational Guidance Series (1.1.1) - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.*
NA - Not Applicable
ND<5.0 denotes that the constituent was not detected above the reported laboratory method detection limit.
NS - No Groundwater Standard

Table 5
Elderlee, Inc. Oaks Corners Facility - MW-8

Field Parameters	UNITS	METHOD	6NYCRR Part703 MCL/std.	06/02/21	05/13/20	05/10/19	05/02/18	05/01/17	05/11/16	06/11/15	06/20/14	07/01/13	04/11/12	07/22/11	05/15/09	05/27/08	06/14/07	06/13/06	06/02/05	12/06/04	06/02/04	12/16/03	07/10/03	02/19/03	06/06/02	12/06/01	06/22/01	12/14/00	06/01/00	12/16/99	12/11/97	12/12/96	09/12/95	Arithmetic Mean	Standard Deviation
Static Water Level	feet	NA	NS	6.91	6.35	6.36	5.75	5.91	6.36	5.79	5.20	4.44	7.80	5.63	5.5	5.78	5.66	5.30	5.55	5.09	4.99	5.09	NR	6.21	5.24	6.33	5.91	4.55	4.52	NA	NA	NA	NA	5.60	0.64
Specific Conductance	umhos/cm	NA	NS	2,260	1,906	1,610	2,910	2,700	1,520	1,320	2,040	3,230	3,315	2,400	2,055	3,010	2,780	2,830	3,210	2,400	2,570	2,570	4,060	3,660	2,570	3,560	4,100	1,478	2,510	NA	NA	NA	NA	2637.46	758.22
Temperature	Degrees F	NA	NS	12.0	10.1	10.3	11.7	12.0	12.7	14.50	20.72	17.4	52.4	16.2	13.4	49.5	61.5	59.2	58.1	46.8	55.9	45.9	57.9	43.4	58.1	56.5	69.8	43.5	55.6	NA	NA	NA	NA	37.12	21.25
pH	S.U.	NA	6.5--8.5	6.79	6.90	6.84	6.85	6.98	7.26	6.98	6.90	6.90	6.83	8.16	7.74	7.68	7.11	7.33	7.51	7.27	7.10	6.89	**6.58**	6.98	6.85	6.87	6.92	7.10	6.89	NA	NA	NA	NA	7.09	0.35
Turbidity	NTU	NA	NS	0.70	0.71	2.14	0.10	3.10	2.74	4.50	9.66	0.35	1.8	123	8.7	1	25	2	8	21	8	0	6	1	3	10	NA	10	7	NA	NA	NA	NA	10.69	24.74
Metals																																			
Aluminum	ug/l	200.7	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<100	ND	ND	ND	ND	ND	ND	ND	113	142	86.2	ND	ND	ND	19.5	ND	ND	92.7	108.48	25.10
Antimony	ug/l	200.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Arsenic	ug/l	200.7	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.2 B	11 J	ND<10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	19.5	ND	ND	10.43	6.58
Barium	ug/l	200.7	1,000	23.1	ND	ND	ND	ND	ND	ND	32.5 B	80.4 B	68.3 B	59 J	ND<20	23.2	34.7	31.2	28.3	41.8	37	20.7	22	39.1	30.6	20.3	25.1	33	27.1	25.3	30.1	50	56.4	36.49	16.07
Beryllium	ug/l	200.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	B	ND	ND<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	2.10	NA
Cadmium	ug/l	200.7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	B	ND	ND<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.67	ND	ND	1	ND	ND	ND	ND	1.6	1.09	0.47
Calcium	ug/l	200.7	NS	452,000	399,000	312,000	284,000	305,000	204,000	215,000	485,000	468,000	475,000	470,000	506,000	580,000	559,000	530,000	617,000	430,000	360,00	510,000	643,000	559,000	483,000	489,000	6340,00	562,000	477,000	511,000	359,000	296,000	418,000	449,928.57	115,551.15
Chromium	ug/l	200.7	50	ND	ND	ND	ND	ND	ND	ND	ND	1.3 B	B	ND	ND<10	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	1.60	NA
Cobalt	ug/l	200.7	5	ND	ND	ND	ND	ND	ND	ND	1.2 B	1.3 B	2.7 B	2.2 J	ND<50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	1.1	1.95	0.88
Copper	ug/l	200.7	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Iron	ug/l	200.7	300	**4,620**	**3,380**	**2,650**	**1,780**	**1,720**	**1,090**	**962**	**5,850**	**5,570**	**6,330**	**5,600**	**8,150**	**5,460**	**4,960**	**6,620**	**6,110**	**6,090**	**5,350**	**6,230**	**10,100**	**12,500**	**9,660**	**9,200**	**11,400**	**7,100**	**8,500**	**9,400**	**5,660**	**4,530**	**516**	5,902.93	3,084.46
Lead	ug/l	200.7	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Magnesium	ug/l	200.7	35,000	**37,100**	24,500	**23,000**	**36,400**	30,800	22,300	24,300	29,800	**35,100**	27,800	31,000	32,300	**38,500**	**44,100**	**45,400**	**36,300**	**37,600**	20,200	26,000	**44,900**	**66,200**	**44,300**	**63,600**	**60,400**	**11,600**	**48,700**	**53,000**	**53,100**	**33,800**	**36,800**	37,296.67	13,159.88
Manganese	ug/l	200.7	300	**593**	**537**	**637**	**321**	**352**	285	**353**	**452**	**417**	**496**	**950**	**892**	**1070**	**1030**	**651**	**566**	**521**	**376**	**624**	**768**	**846**	**709**	**753**	**917**	**1000**	**1030**	**738**	**437**	**538**	**1140**	666.63	250.71
Mercury	ug/l	200.7	0.7	ND	ND	ND	ND	ND	ND	ND	ND	0.054	ND	ND	ND<0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	ND	ND	ND	ND	ND	ND	ND	ND	0.04	NA
Nickel	ug/l	200.7	100	ND	ND	ND	ND	ND	ND	ND	5.1 B	6.4 B	7.1 B	5.5 J	ND<40	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.9	ND	6.4	6.5	ND	ND	ND	ND	8.3	6.28	1.12
Potassium	ug/l	200.7	NS	3,950	ND	ND	ND	ND	ND	ND	1,280	2,040	2,440	3,700	2100	3330	2340	3730	3110	4030	ND	3590	6220	6300	5630	4560	6090	1930	4670	6010	6620	4960	3120	3,989.13	1,602.60
Selenium	ug/l	200.7	10	ND	ND	ND	ND	ND	ND	ND	ND	17.6 B	ND	ND	ND<10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	ND	ND	12.8	ND	7.74	2.5	9.23	6.00
Silver	ug/l	200.7	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2	ND	ND	ND	ND	ND	0.71	2.46	2.47
Sodium	ug/l	200.7	20,000	**68,400**	**36,100**	**25,500**	**295,000**	**252,000**	**115,000**	**39,400**	**69,400**	**304,000**	**240,000**	**61,000**	**62,500**	**115,000**	**97,800**	**148,000**	**200,000**	**112,000**	**111,000**	**130,000**	**237,000**	**174,000**	**123,000**	**246,000**	**224,000**	**131,000**	**50,400**	**191,000**	**243,000**	**152,000**	**121,000**	145,816.67	80,563.53
Thallium	ug/l	200.7	0.5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.1 B	ND	ND<10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.10	NA
Vanadium	ug/l	200.7	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Zinc	ug/l	200.7	2,000	1,960	1,460	1,190	1,550	1,870	1,930	**2,710**	1,260	1,920	**2,490**	2,000	762	576	673	436	185	437	640	188	233	381	288	465	529	686	1,790	485	548	752	**6,490**	1,229.47	1,237.13
Wet Chemistry																																			
Chloride	mg/l	300	250	89.1	55	26	**550**	450	160	85	150 B	**440**	**430**	91	**263**	190	193	**255**	**284**	186	141	80.4												216.76	151.87
Sulfate	mg/l	300	250	**988**	**840**	**700**	**470**	**530**	**330**	**320**	**900 B**	**810**	**970**	**860**	**1,020**	**1,100**	**1,200**	**1,230**	**1,230**	**1,060**	**1,000**	**834**												862.74	281.35

Bold Type *- Exceeds NYCRR Part 703 Groundwater Standard from NYSDEC Technical and Operational Guidance Series (1.1.1) - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.*
NA - Not Applicable
ND<5.0 denotes that the constituent was not detected above the reported laboratory method detection limit.
NS - No Groundwater Standard

Table 6
Elderlee, Inc. Oaks Corners Facility - MW-9R

Field Parameters	UNITS	METHOD	6NYCRR Part703 MCL/std.	06/02/21	05/13/20	05/10/19	05/02/18	05/01/17	05/11/16	06/11/15	06/20/14	07/01/13	Arithmetic Mean	Standard Deviation
Static Water Level	feet	NA	NS	10.74	10.20	10.23	9.60	9.73	10.22	9.65	10.60	9.80	10.09	0.36
Specific Conductance	umhos/cm	NA	NS	1,850	2,042	2,620	913	1,620	1,430	2,030	1540	1410.00	1717.22	518.33
Temperature	Degrees F	NA	NS	12.4	9.7	10.5	10.5	10.6	11.1	13.20	15.72	13.14	11.87	2.03
pH	S.U.	NA	6.5--8.5	7.08	7.10	6.88	7.04	6.33	7.27	7.10	6.62	7.13	6.95	0.31
Turbidity	NTU	NA	NS	0.29	0.60	2.69	1.60	1.22	1.39	2.30	4.54	1.54	1.80	1.21
Metals														
Aluminum	ug/l	200.7	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Antimony	ug/l	200.7	3	ND	ND	ND	ND	ND	ND	ND	9.7 B	ND	NA	NA
Arsenic	ug/l	200.7	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Barium	ug/l	200.7	1,000	33.1	ND	ND	ND	ND	ND	ND	40.8 B	41.6 B	38.50	4.69
Beryllium	ug/l	200.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Cadmium	ug/l	200.7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Calcium	ug/l	200.7	NS	146,000	165,000	162,000	122,000	191,000	146,000	149,000	159,000	168,000	156444.44	19,033.60
Chromium	ug/l	200.7	50	ND	ND	ND	ND	ND	ND	ND	ND	1.10 B	NA	NA
Cobalt	ug/l	200.7	5	ND	ND	ND	ND	ND	ND	ND	ND	0.95 B	NA	NA
Copper	ug/l	200.7	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Iron	ug/l	200.7	300	ND	120	120	ND	168	220	222	158 B	**424**	204.57	105.28
Lead	ug/l	200.7	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Magnesium	ug/l	200.7	35,000	**31,200**	**35,100**	**39,000**	33,400	**48,000**	**37,200**	**36,100**	**40,700**	**4,500**	33911.11	12,042.26
Manganese	ug/l	200.7	300	52	49	88	167	110	125	76	101	**302**	118.90	77.79
Mercury	ug/l	200.7	0.7	ND	ND	ND	ND	ND	ND	ND	ND	0.043 B	NA	NA
Nickel	ug/l	200.7	100	ND	ND	ND	ND	ND	ND	ND	1.0 B	3.9 B	2.45	2.05
Potassium	ug/l	200.7	NS	2,530	3,110	4,530	3,170	4,130	3,610	3,270	3,260	2,810	3380.00	625.38
Selenium	ug/l	200.7	10	ND	ND	ND	ND	ND	ND	ND	ND	**15.1** B	NA	NA
Silver	ug/l	200.7	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Sodium	ug/l	200.7	20,000	**196,000**	**195,000**	**303,000**	**32,500**	**76,800**	**134,000**	**215,000**	**174,000**	**63,700**	154444.44	85,907.95
Thallium	ug/l	200.7	0.5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Vanadium	ug/l	200.7	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Zinc	ug/l	200.7	2,000	87	177	144	276	398	357	149	246	419	250.37	120.33
Wet Chemistry														
Chloride	mg/l	300.0	250	**373**	**430**	**630**	54	250	180	**380**	250 B	83 B	292.22	181.66
Sulfate	mg/l	300	250	82	83	88	130	160	210	61	170 B	**250**	137.11	65.08

Bold Type *- Exceeds NYCRR Part 703 Groundwater Standard from NYSDEC Technical and Operational Guidance Series (1.1.1) - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.*
NA - Not Applicable

ND<5.0 denotes that the constituent was not detected above the reported laboratory method detection limit.
NS - No Groundwater Standard

Table 7
Elderlee, Inc. Oaks Corners Facility - MW-10 and MW-10R

Field Parameters	UNITS	METHOD	6NYCRR Part703 MCL/std.	06/02/21	05/13/20	05/10/19	05/02/18	05/01/17	05/11/16	06/11/15	06/20/14	07/01/13	07/22/11	05/15/09	05/27/08	06/14/07	06/13/06	06/01/05	12/06/04	06/02/04	12/16/03	07/10/03	02/19/03	06/06/02	12/06/01	06/22/01	12/14/00	06/01/00	12/16/99	12/11/97	12/12/96	Arithmetic Mean	Standard Deviation
Static Water Level	feet	NA	NS	7.39	6.84	6.87	6.26	6.39	6.90	6.26	7.30	6.50	5.49	4.3	4.39	4.60	4.19	4.42	3.95	3.85	3.97	4.70		4.26	5.20	4.86	3.40	2.32	NA	NA	NA	5.19	1.39
Specific Conductance	umhos/cm	NA	NS	1,480	1,539	1,390	1,165	1,170	1,620	2,100	1,920	1,210	2,790	1,087	2,690	3,020	2,950	2,560	2,870	2,710	3,070	3,320	Could Not Locate	2,600	3,390	3,110	1,838	2,450	NA	NA	NA	2252.04	768.76
Temperature	Degrees F	NA	NS	12.4	10.4	10.7	10.7	11.3	12.5	14.5	15.1	17.5	19.8	14.6	50.9	62.1	57.0	61.2	49.3	54.7	49.8	58.3		56.3	57.0	64.0	42.4	55.2	NA	NA	NA	36.15	21.73
pH	S.U.	NA	6.5--8.5	6.92	7.06	6.91	7.01	6.84	7.22	7.05	6.61	7.09	8.01	7.74	7.61	7.09	7.30	7.45	7.19	7.07	6.91	6.57		6.91	6.87	6.97	6.86	6.94	NA	NA	NA	7.09	0.33
Turbidity	NTU	NA	NS	1.1	1.14	2.8	2.8	2.5	1.5	1.3	32.1	38	101	7.96	13	66	8	10	1	38	0	7		3	6	NA	8	7	NA	NA	NA	15.59	24.76
Metals																																	
Aluminum	ug/l	200.7	NS	ND	ND	199	ND	ND	ND	ND	ND	ND	ND	ND<100	ND	ND	ND	ND	ND	ND	ND	ND	NA	10.7	ND	29.8	70.7	ND	ND	132	108	91.70	69.62
Antimony	ug/l	200.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<60	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Arsenic	ug/l	200.7	25	ND	ND	ND	ND	ND	ND	ND	ND	4.6 B	13 J	ND<10	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	10.9	11.6	ND	ND	ND	22	ND	14.43	5.26
Barium	ug/l	200.7	1,000	23.7	ND	ND	ND	ND	ND	ND	91.40 B	101 B	17 J	64	ND	23.6	ND	ND	ND	33.8	25.2	36.4	NA	28.3	22.5	30.7	128	25.2	20.9	40.8	31.3	41.27	29.98
Beryllium	ug/l	200.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	1.6	ND	ND	ND	ND	ND	1.60	NA
Cadmium	ug/l	200.7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	1	ND	ND	ND	ND	1.00	NA
Calcium	ug/l	200.7	NS	256,000	219,000	109,000	102,000	128,000	137,000	131,000	154,000	127,000	520,000	338,000	521,000	465,000	574,000	492,000	598,000	406,000	514,000	581,000	NA	399,000	565,000	446,000	170,000	426,000	345,000	351,000	289,000	346777.78	171259.21
Chromium	ug/l	200.7	50	ND	ND	ND	**83.4**	ND	ND	12.20	ND	ND	ND	ND<10	ND	ND	ND	ND	ND	ND	ND	11.6	NA	1.9	ND	ND	ND	ND	ND	ND	ND	27.28	37.71
Cobalt	ug/l	200.7	5	ND	ND	ND	ND	ND	ND	ND	0.76 B	1.2 B	1.9 J	ND<50	ND	ND	ND	ND	ND	ND	ND	ND	NA	3.2	ND	3.9	ND	ND	ND	ND	ND	2.19	1.33
Copper	ug/l	200.7	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<20	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Iron	ug/l	200.7	300	**688**	**963**	**446**	**515**	**410**	**445**	**736**	**1940**	**2770**	**7,200**	**1,980**	**7,290**	**6,530**	**9,820**	**7,310**	**9,160**	**12,300**	**10,800**	**13,000**	NA	**8,190**	**9,590**	**9,160**	**8,020**	**7,830**	**6,070**	**6,780**	**5,310**	5750.11	4035.06
Lead	ug/l	200.7	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<50	ND	ND	ND	ND	ND	ND	ND	ND	NA	2.2	ND	ND	ND	ND	ND	ND	ND	2.20	NA
Magnesium	ug/l	200.7	35,000	28,300	**40,300**	25,000	25,300	27,200	26,700	23,600	29,300	25,800	27,000	19,500	34,800	29,200	**45,800**	**48,100**	**36,500**	**42,000**	**46,200**	**47,500**	NA	**42,300**	**36,100**	**38,700**	19,700	**39,700**	**39,300**	**44,500**	**37,100**	34507.69	8828.38
Manganese	ug/l	200.7	300	**1,980**	**1,810**	**1,150**	**990**	**1,380**	**1,060**	**1,010**	**848**	**894.00**	**860**	**904**	**702**	**689**	**763**	**580**	**595**	**778**	**686**	**1,170**	NA	**906**	**871**	**622**	**880**	**496**	**610**	**592**	**536**	902.30	357.46
Mercury	ug/l	200.7	0.7	ND	ND	ND	ND	ND	ND	ND	ND	0.04 B	ND	ND<0.3	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.04	ND
Nickel	ug/l	200.7	100	ND	ND	ND	ND	ND	ND	ND	2.10 B	4.70 B	7.2 J	ND<40	ND	ND	ND	ND	ND	ND	ND	ND	NA	6.9	ND	8.2	ND	ND	ND	ND	ND	5.82	2.44
Potassium	ug/l	200.7	NS	ND	ND	ND	ND	ND	ND	ND	1,070	1,020	3,300	2,200	ND	2,340	3,320	2,540	3,950	4,090	5,360	3,960	NA	3,500	4,580	4,460	1,190	3,220	3,640	4,500	4,260	3289.47	1259.72
Selenium	ug/l	200.7	10	ND	ND	ND	ND	ND	ND	ND	ND	**17.9** B	ND	ND<10	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	4	ND	ND	8.9	ND	10.9	7.93	3.55
Silver	ug/l	200.7	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<10	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	3.3	ND	ND	ND	ND	ND	3.30	NA
Sodium	ug/l	200.7	20,000	**47,100**	**61,900**	**143,000**	**105,000**	**84,000**	**187,000**	**283,000**	**237,000**	**117,000**	**81,000**	**92,600**	**81,000**	**206,000**	**124,000**	**81,600**	**130,000**	**171,000**	**205,000**	**184,000**	NA	**183,000**	**194,000**	**135,000**	**176,000**	**81,100**	**116,000**	**172,000**	**154,000**	141937.04	57978.52
Thallium	ug/l	200.7	0.5*	ND	ND	ND	ND	ND	ND	ND	ND	6.20	ND	ND<10	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	6.20	NA
Vanadium	ug/l	200.7	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<50	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Zinc	ug/l	200.7	2,000	1,330	824	658	430	566	528	605	727	416	1,000	1,700	738	632	861	743	857	760	925	974	NA	667	1,010	799	185	622	486	448	430	750.19	304.44
Wet Chemistry																																	
Chloride	mg/l	300.0	250	73.4	120	220	160	130	**310**	**410**	**390 B**	130	230	213	140	**359**	**256**	202	230	**329**	**415**											229.55	107.04
Sulfate	mg/l	300	250	**483**	**430**	110	62	83	99	120	110 B	88	**870**	**702**	**1,000**	**928**	**1,340**	**1,030**	**1,270**	**1,010**	**1,170**											605.83	475.75

Table 8
Elderlee, Inc. Oaks Corners Facility -

Field Parameters	UNITS	METHOD	6NYCRR Part703 MCL/std.	06/02/21	05/13/20	05/10/19	05/02/18	05/01/17	05/11/16	08/06/15	06/20/14	07/01/13	04/11/12	07/22/11	05/15/09	05/27/08	06/14/07
Static Water Level	feet	NA	NS	1.57	1.13	1.04	0.73	1.06	1.57	1.72	2.50	1.02	1.40	2.02	1.8	2.09	1.85
Specific Conductance	umhos/cm	NA	NS	2,990	2,605	2,670	2,811	2,450	2,420	1,940	2,680	2,520	3,025	2,990	3,076	3,790	3,520
Temperature	Degrees F	NA	NS	14.5	10.1	10.4	11.3	10.9	11.9	18.4	20.19	18.2	47.8	20.8	13.5	51.4	61.0
pH	S.U.	NA	6.5--8.5	7.03	7.05	6.73	6.96	7.02	7.10	7.65	6.75	6.99	7.01	8.46	7.75	7.64	7.03
Turbidity	NTU	NA	NS	2.6	9.7	12.4	9.8	26.9	11.0	22.0	12.0	19.9	0.94	69	8.5	14	16
Metals																	
Aluminum	ug/l	200.7	NS	ND	145	115	205	278	ND	1050	ND	199 B	ND	81 J	ND<100	192	ND
Antimony	ug/l	200.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<60	ND	ND
Arsenic	ug/l	200.7	25.0	ND	14.1	18.7	13.6	**163**	22.3	**26.7**	5.1 B	13.4 B	9.6 B	22	10	11	ND
Barium	ug/l	200.7	1,000	69.2	ND	ND	ND	ND	ND	131	73.2 B	76.3 B	67.0 B	51 J	71	71.4	82.3
Beryllium	ug/l	200.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	B	ND	ND<5	ND	ND
Cadmium	ug/l	200.7	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	B	ND	ND<5	ND	ND
Calcium	ug/l	200.7	NS	392,000	339,000	364,000	415,000	385,000	450,000	422,000	487,000	375,000	430,000	370,000	316,000	361,000	353,000
Chromium	ug/l	200.7	50	ND	ND	ND	ND	ND	ND	ND	ND	1.6 B	ND	0.98 J	ND<10	ND	ND
Cobalt	ug/l	200.7	5	ND	ND	ND	ND	ND	ND	ND	1.4 B	1.8 B	1.4 B	1.2 J	ND<50	ND	ND
Copper	ug/l	200.7	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<20	ND	ND
Iron	ug/l	200.7	300	**6,310**	**5,740**	**6,190**	**7,530**	**7,550**	**9,510**	**12,600**	**9,180**	**8,780**	**8,760**	**9,600**	**8,930**	**6,770**	**4,580**
Lead	ug/l	200.7	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<50	ND	ND
Magnesium	ug/l	200.7	35,000	**64,600**	**57,700**	**60,300**	**53,800**	**48,800**	**57,100**	**51,400**	**68,300**	**53,100**	**72,100**	**74,000**	**75,000**	**77,900**	**80,100**
Manganese	ug/l	200.7	300	**1,290**	**1,140**	**1,110**	**1,100**	**1,110**	**1,210**	**1,810**	**1,680**	**1,570**	**1,600**	**1,300**	**1,260**	**1,250**	**1,290**
Mercury	ug/l	200.7	0.7	ND	ND	ND	ND	ND	ND	ND	ND	0.041 B	ND	ND	ND<0.3	ND	ND
Nickel	ug/l	200.7	100	ND	ND	ND	ND	ND	ND	ND	2.6 B	6.5 B	2.7 B	2.9 J	ND<40	ND	ND
Potassium	ug/l	200.7	NS	5,500	4,210	3,860	3,480	4,010	3,990	6,530	5,200	5,310	5,190	6,700	6,100	6,300	6,670
Selenium	ug/l	200.7	10	ND	ND	ND	ND	ND	ND	**18**	**13 B**	21.3 B	ND	ND	ND<10	ND	ND
Silver	ug/l	200.7	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<10	ND	ND
Sodium	ug/l	200.7	20,000	**203,000**	**175,000**	**158,000**	**182,000**	**134,000**	**126,000**	**130,000**	**157,000**	**168,000**	**215,000**	**190,000**	**285,000**	**334,000**	**337,000**
Thallium	ug/l	200.7	0.5*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<10	ND	ND
Vanadium	ug/l	200.7	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND<50	ND	ND
Zinc	ug/l	200.7	2,000	37.5	ND	ND	70.1	94.5	ND	229	46.8 B	82.2	48.0 B	100	46	37.3	88.8
Wet Chemistry																	
Chloride	mg/l	300.0	250	**363**	**290**	**290**	**320**	230	200	**270**	**230 B**	**250**	**350**	**280**	**579**	**534**	**560**
Sulfate	mg/l	300.0	250	**871**	**770**	**870**	**1,000**	**780**	**1,000**	**980**	**1,000 B**	**480**	**1,100**	**800**	**759**	**739**	**916**

Bold Type *- Exceeds NYCRR Part 703 Groundwater Standard from NYSDEC Technical and Operational Guidance Series (1.1.1) - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.*

NA - Not Applicable

ND<5.0 denotes that the constituent was not detected above the reported laboratory method detection limit.

NS - No Groundwater Standard

MW-11

Field Parameters	06/13/06	06/01/05	12/06/04	06/01/04	12/16/03	07/10/03	02/19/03	06/06/02	12/06/01	06/22/01	12/14/00	06/01/00	12/16/99	12/11/97	12/12/96	Arithmetic Mean	Standard Deviation
Static Water Level	1.55	1.73	1.34	0.94	1.15	1.91	2.31	1.11	2.43			0.72	2.35	NA	NA	1.57	0.55
Specific Conductance	3,880	41,000	3,870	4,660	4,300	5,190	4195	3,190	4,200	Damaged Well Not Sampled	Damaged Well Not Sampled	3,990	1930.00	NA	NA	4795.68	7589.71
Temperature	59.2	57.4	45.9	58.5	46.4	61.9	42	57.4	55.2			54.7	41.90	NA	NA	36.03	20.09
pH	7.32	7.37	7.16	7.04	6.91	6.57	7.12	6.96	6.97			7.01	7.48	NA	NA	7.16	0.39
Turbidity	52	10	94	35	4	8	9.72	9	8			9	5.80	NA	NA	19.93	22.10
Metals																	
Aluminum	ND	ND			169	209	118	146	335	NA	NA	133	NA	132	NA	233.80	235.12
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	NA
Arsenic	ND	13	ND	ND	ND	ND	ND	5.3	ND	NA	NA	NA	NA	19	NA	24.43	38.84
Barium	102	97.5	121	129	113	151	89.6	71.7	95.4	NA	NA	123	45.3	11.3	110	89.77	33.05
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	NA
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	NA
Calcium	340,000	380,000	429,000	356,000	389,000	443,000	353,000	322,000	383,000	NA	NA	500,000	210,000	265,000	286,000	374629.63	64021.12
Chromium	ND	ND	ND	ND	ND	ND	ND	3	ND	NA	NA	NA	NA	NA	NA	1.93	1.15
Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	1.45	0.25
Copper	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	NA
Iron	**8,810**	**8,760**	**10,700**	**8,010**	**7,870**	**9,890**	**9,180**	**6,600**	**6,700**	NA	NA	**10,100**	**2,450**	**3,840**	**6,070**	7815.19	2208.30
Lead	ND	ND	ND	ND	ND	7.2	ND	ND	ND	NA	NA	NA	NA	NA	NA	7.20	NA
Magnesium	**81,200**	**99,800**	**91,400**	**85,200**	**88,900**	**104,000**	**92,800**	**83,900**	**99,200**	NA	NA	**93,700**	**59,500**	**60,200**	**64,900**	74033.33	16563.70
Manganese	**1,500**	**1,530**	**1,890**	**1,920**	**2,060**	**1,630**	**1,630**	**1,850**	**2,100**	NA	NA	**2,110**	**1,600**	**2,560**	**2,080**	1611.15	382.55
Mercury	0.02	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	0.03	0.02
Nickel	ND	ND	ND	ND	ND	ND	ND	3	ND	NA	NA	NA	NA	NA	NA	3.56	1.65
Potassium	7,440	7,770	8,870	8,050	8,200	9,730	7,120	6,130	7,020	NA	NA	8,920	3,680	3,750	4,470	6081.48	1811.50
Selenium	ND	ND	ND	ND	ND	ND	3	ND	ND	NA	NA	NA	6.9	NA	13.7	12.65	6.79
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	NA
Sodium	**430,000**	**413,000**	**408,000**	**542,000**	**484,000**	**544,000**	**403,000**	**374,000**	**381,000**	NA	NA	**269,000**	**237,000**	**297,000**	**320,000**	292444.44	127932.47
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	NA
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	NA
Zinc	73	53.4	104	103	102	185	164	234	546	NA	NA	422	418	560	351	180.33	164.28
Wet Chemistry																	
Chloride	**725**	**710**	**729**	**1180**	**1100**											483.68	292.21
Sulfate	**749**	**805**	**909**	**708**	**746**											841.16	143.10

Bold Type *- Exceeds NYCRR P*

NA - Not Applicable

ND<5.0 denotes that the consti

NS - No Groundwater Standard

APPENDIX C

GROUNDWATER SAMPLING LOGS

JAM Environmental Consulting, LLC

Low Flow Ground Water Sampling Log

Date	6/ 2 /2021	Personnel	Jim Moore	Weather	Cloudy 65°F
Site Name	Elderlee, Inc.	Evacuation Method	Peristaltic Pump	Well #	MW-4A
Site Location	Oaks Corners, NY	Sampling Method	Peristaltic Pump	Project #	GWS

Well information:

Depth of Well * _____ ft.

Depth to Water * 3.70 ft.

Length of Water Column _____ ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1210

Elapsed Time (min)	Depth To Water (ft)	Temperature (°C)	pH	Conductivity (mS/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	3.70	—	—	—	—	—	22	300
5	5.15	16.5	7.20	1.180	-93.8	0.06	19	300
10	5.26	17.0	7.08	1.680	-74.7	0.05	18	300
15	5.25	17.1	7.02	1.740	-61.6	0.07	11	300
20	5.25	17.1	7.00	1.870	-57.5	0.07	9	300
25	5.26	17.1	6.92	2.220	-46.7	0.07	6	300
30	5.25	17.1	6.88	2.460	-42.1	0.07	3.5	300
35	5.25	17.1	6.86	2.980	-38.4	0.06	1.1	300
40	5.25	17.1	6.86	2.850	-36.9	0.05	1.0	300
45	5.25	17.1	6.86	2.860	-36.1	0.06	0.9	300
50	5.25	17.1	6.86	2.870	-36.3	0.06	0.9	300

End Purge Time: 1300

Water sample:

Time collected: 1300

Total volume of purged water removed: 15 LITERS

Physical appearance at start

Color: COLORLESS

Odor: NONE

Sheen/Free Product: NO

Physical appearance at sampling

Color: COLORLESS

Odor: NONE

Sheen/Free Product: NO

Analytical Parameters:

Container Size ml	Container Type	# Collected	Field Filtered	Preservative	Container pH
150	Poly	1	N	NONE	—
150	Poly	1	N	HNO_3	<2
150	Poly	1	N	HNO_3	<2

JAM Environmental Consulting, LLC

Low Flow Ground Water Sampling Log

Date	6/ 2 /2021	Personnel	Jim Moore	Weather	OVERCAST 65°F
Site Name	Elderlee, Inc.	Evacuation Method	Peristaltic Pump	Well #	MW-5A
Site Location	Oaks Corners, NY	Sampling Method	Peristaltic Pump	Project #	GWS

Well information:

Depth of Well * _____ ft.

Depth to Water * 3.19 ft.

Length of Water Column _____ ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1130

Elapsed Time (Min)	Depth To Water (Ft)	Temperature (°C)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	3.20	—	—	—	—	—	4.1	300
5	3.70	11.8	6.96	2.700	-9.9	0.06	1.8	300
10	3.75	11.6	6.96	2.700	-13.2	0.10	1.9	300
15	3.76	11.6	6.96	2.710	-16.5	0.08	1.6	300
20	3.77	11.5	6.95	2.710	-20.5	0.07	1.7	300
25	3.77	11.6	6.96	2.670	-24.1	0.06	2.0	300
30	3.77	11.6	6.96	2.650	-27.8	0.07	0.9	300

End Purge Time: 1200

Water sample:

Time collected: 1200

Total volume of purged water removed: 9 LITERS

Physical appearance at start

Color COLORLESS

Odor NONE

Sheen/Free Product NO

Physical appearance at sampling

Color COLORLESS

Odor NONE

Sheen/Free Product NO

Analytical Parameters:

Container Size ml	Container Type	# Collected	Field Filtered	Preservative	Container pH
150	Poly	1	N		
150	Poly	1	N		
150	Poly	1	N		

JAM Environmental Consulting, LLC

Low Flow Ground Water Sampling Log

Date	6/ 2 /2021	Personnel	Jim Moore	Weather	Sunny 85
Site Name	Elderlee, Inc.	Evacuation Method	Peristaltic Pump	Well #	MW-8
Site Location	Oaks Corners, NY	Sampling Method	Peristaltic Pump	Project #	GWS

Well information:

Depth of Well * _____ ft.

Depth to Water * 6.91 ft.

Length of Water Column _____ ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 0900

Elapsed Time (Min)	Depth To Water (ft)	Temperature (°C)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	6.91	—	—	—	—	—	3.38	300
5	6.94	12.0	6.77	2.350	2.1	0.14	1.4	300
10	6.94	11.9	6.79	2.290	-8.2	0.10	1.1	300
15	6.94	11.7	6.80	2290	-10.4	0.11	1.1	300
20	6.94	12.0	6.81	2270	-12.2	0.09	0.6	300
25	6.94	12.0	6.79	2.260	-14.6	0.09	0.7	300
30	6.94	12.0	6.79	2.250	-15.8	0.09	0.7	300

End Purge Time: 0930

Water sample:

Time collected: 0930

Total volume of purged water removed: 9 Liters

Physical appearance at start

Color: COLORLESS

Odor: NONE

Sheen/Free Product: NO

Physical appearance at sampling

Color: COLORLESS

Odor: NONE

Sheen/Free Product: No

Analytical Parameters:

Container Size ml	Container Type	# Collected	Field Filtered	Preservative	Container pH
150	Poly	1	N	NONE	—
150	Poly	1	N	HNO3	<2
150	Poly	1	N	HNO3	<2

JAM Environmental Consulting, LLC

Low Flow Ground Water Sampling Log

Date	6/ 2 /2021	Personnel	Jim Moore	Weather	SUNNY 65°
Site Name	Elderlee, Inc.	Evacuation Method	Peristaltic Pump	Well #	MW-9R
Site Location	Oaks Corners, NY	Sampling Method	Peristaltic Pump	Project #	GWS

Well information:

Depth of Well * _____ ft.

Depth to Water * 10.74 ft.

Length of Water Column _____ ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1030

Elapsed Time (MIN)	Depth To Water (ft)	Temperature (°C)	pH	Conductivity (MS/CM)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	10.74	—	—	—	—	—	9.7	300
5	10.75	12.1	7.00	2.880	-6.6	0.13	8.4	300
10	10.75	12.3	7.07	1.820	11.9	8.8	0.9	300
15	10.75	12.4	7.07	1.840	15.9	0.80	0.4	300
20	10.75	12.5	7.07	1.840	18.9	1.0	0.3	300
25	10.75	12.4	7.07	1.840	22.3	0.97	0.3	300
30	10.75	12.4	7.08	1.850	24.0	0.96	0.29	300

End Purge Time: 1100

Water sample:

Time collected: 1100

Total volume of purged water removed: 9 LITERS

Physical appearance at start

Color COLORLESS

Odor NONE

Sheen/Free Product NO

Physical appearance at sampling

Color COLORLESS

Odor NONE

Sheen/Free Product NO

Analytical Parameters:

Container Size ml	Container Type	# Collected	Field Filtered	Preservative	Container pH
150	Poly	1	N	NONE	—
150	Poly	1	N	HCl	<2
150	Poly	1	N	HCl	<2

JAM Environmental Consulting, LLC

Low Flow Ground Water Sampling Log

Date	6/ 2 /2021	Personnel	Jim Moore	Weather	Sunny/Hot 50's
Site Name	Elderlee, Inc.	Evacuation Method	Peristaltic Pump	Well #	MW-10R
Site Location	Oaks Corners, NY	Sampling Method	Peristaltic Pump	Project #	GWS

Well information:

Depth of Well *	7.39	ft.
Depth to Water *	7.39	ft.
Length of Water Column		ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 0820

Elapsed Time (MIN)	Depth To Water (ft)	Temperature (°C)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	7.39	—	—	—	—	—	3.69	300
5	7.41	12.6	6.98	0.632	33.1	0.20	2.6	300
10	7.41	12.5	6.87	0.830	45.3	0.61	7.2	300
15	7.41	12.5	6.87	1.360	56.1	0.51	5.9	300
20	7.41	12.6	6.86	1.450	41.6	0.51	2.7	300
25	7.41	12.5	6.88	1.490	30.7	0.46	2.5	300
30	7.41	12.4	6.91	1.490	22.9	0.44	1.9	300
35	7.41	12.4	6.92	1.480	20.7	0.42	1.1	300
45 hr								

End Purge Time: 0855

Water sample:

Time collected: 0855

Total volume of purged water removed: 10.5 LITERS

Physical appearance at start

Color	COLORLESS
Odor	NONE
Sheen/Free Product	NO

Physical appearance at sampling

Color	COLORLESS
Odor	NONE
Sheen/Free Product	NO

Analytical Parameters:

Container Size ml	Container Type	# Collected	Field Filtered	Preservative	Container pH
150	Poly	1	N	— NONE	—
150	Poly	1	N	<2 HNO3	<2
150	Poly	1	N	<2 HCl	<2

JAM Environmental Consulting, LLC

Low Flow Ground Water Sampling Log

Date	6/ 2 /2021	Personnel	Jim Moore	Weather	Sunny 60°F
Site Name	Elderlee, Inc.	Evacuation Method	Peristaltic Pump	Well #	MW-11
Site Location	Oaks Corners, NY	Sampling Method	Peristaltic Pump	Project #	GWS

Well information:

Depth of Well * _____ ft.

Depth to Water * 1.57 ft.

Length of Water Column _____ ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 0935

Elapsed Time (Min)	Depth To Water (ft)	Temperature (°C)	pH	Conductivity (mS/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	1.62	—	—	—	—	—	14.0	300
5	2.21	13.7	6.96	3.180	-59.1	0.12	7.2	300
10	2.35	14.0	7.02	2.950	-67.6	0.10	11.0	300
15	2.35	14.5	7.04	2.940	-70.5	0.10	12.0	300
20	2.35	14.5	7.02	2.970	-69.5	0.11	10.7	300
25	2.35	14.5	7.04	2.960	-68.9	0.13	7.4	300
30	2.35	14.5	7.04	2.960	-68.9	0.13	5.1	300
35	2.35	14.5	7.06	2.980	-69.0	0.13	4.1	300
40	2.35	14.5	7.04	2.980	-69.9	0.12	3.8	300
45	2.35	14.5	7.03	2.990	-69.5	0.13	2.6	300

End Purge Time: 1020

Water sample:

Time collected: 1020

Total volume of purged water removed: 13.5 LITERS

Physical appearance at start

Color: COLORLESS

Odor: NONE

Sheen/Free Product: NO

Physical appearance at sampling

Color: COLORLESS

Odor: NONE

Sheen/Free Product: NO

Analytical Parameters:

Container Size ml	Container Type	# Collected	Field Filtered	Preservative	Container pH
150	Poly	1	N	None	—
150	Poly	1	N	HNO_3	<2
150	Poly	1	N	H_2SO_4	<2

APPENDIX D

LABORATORY ANALYTICAL DATA

June 23, 2021 Service Request No:R2105399

Mr. Robert Lamb
Elderlee, Inc
729 Cross Road
P.O. Box 010
Oaks Corner, NY 14518

Laboratory Results for: Annual 2021 GW Sampling

Dear Mr.Lamb,

Enclosed are the results of the sample(s) submitted to our laboratory June 02, 2021
For your reference, these analyses have been assigned our service request number **R2105399.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Meghan.Pedro@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Meghan Pedro
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Elderlee, Inc
Project: Annual 2021 GW Sampling
Sample Matrix: Water

Service Request: R2105399
Date Received: 06/02/2021

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier level IV requested by the client.

Sample Receipt:

Six water samples were received for analysis at ALS Environmental on 06/02/2021. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Approved by _____ Date 06/23/2021

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-10R			Lab ID: R2105399-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	73.4			2.0	mg/L	300.0
Sulfate	483			20	mg/L	300.0

CLIENT ID: MW-8			Lab ID: R2105399-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	89.1			2.0	mg/L	300.0
Sulfate	988			40	mg/L	300.0

CLIENT ID: MW-11			Lab ID: R2105399-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	363			10	mg/L	300.0
Sulfate	871			40	mg/L	300.0

CLIENT ID: MW-9R			Lab ID: R2105399-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	373			10	mg/L	300.0
Sulfate	82.0			2.0	mg/L	300.0

CLIENT ID: MW-5A			Lab ID: R2105399-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	108			4.0	mg/L	300.0
Sulfate	1150			40	mg/L	300.0

CLIENT ID: MW-4A			Lab ID: R2105399-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	272			6.0	mg/L	300.0
Sulfate	1170			60	mg/L	300.0

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Elderlee, Inc **Service Request:**R2105399

Project: Annual 2021 GW Sampling

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2105399-001	MW-10R	6/2/2021	0855
R2105399-002	MW-8	6/2/2021	0930
R2105399-003	MW-11	6/2/2021	1020
R2105399-004	MW-9R	6/2/2021	1100
R2105399-005	MW-5A	6/2/2021	1200
R2105399-006	MW-4A	6/2/2021	1300

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

005124

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

Project Name: ANNUAL 2021 GW SAMPLING	Project Number:
Project Manager: JAMES A MOORE	Report CC: ROBERT LAMB
Company/Address: ELDERLEE, INC 729 CROSS ROADS OAKS CORNERS, NY 14518	
Phone #: (315) 789-6670	Email: JAMES@JAMENVIRONMENTALCONSULTANT.COM & ROBERT LAMB
Sampler's Signature:	Sampler's Printed Name: JAMES A MOORE

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs • 8260 • 624 • CLP	GC/MS SVOAs • 8270 • 625 • CLP	GC/MOAs • 8021 • 8260 • 624	PESTICIDES • 8081 • 608	PCBs • 8082 • 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	300.0 / CHLORIDE	300.0 / SO4	7470A / HgT	6010C / TAL METALS				
MW-10R		6/2/21	0855		3								X	X	X	X				
MW-8			0930		3								X	X	X	X				
MW-11			1020		3								X	X	X	X				
MW-9R			1100		3								X	X	X	X				
MW-5A			1200		3								X	X	X	X				
MW-4A			1300		3								X	X	X	X				

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
___ 1 day ___ 2 day ___ 3 day
___ 4 day ___ 5 day
X Standard (10 business days-No Surcharge)

REQUESTED REPORT DATE

REPORT REQUIREMENTS
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
X IV. Data Validation Report with Raw Data

Edata X Yes ___ No FOR NYSDEC

INVOICE INFORMATION
PO #
BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature: Robert A Lamb	Signature: Robert A Lamb	Signature	Signature	
Printed Name: JAMES A MOORE	Printed Name: Elderlee Inc	Printed Name: Elderlee Inc	Printed Name: Daniel Ward	Printed Name	
Firm: JM Environmental Consulting, LLC	Firm: Elderlee Inc	Firm: Elderlee Inc	Firm: ALS	Firm	
Date/Time: 6/2/21	Date/Time: 6-2-21	Date/Time: 6-2-21	Date/Time: 6/2/21 1445	Date/Time	

R2105399 5
Elderlee, Inc
Annual 2021 GW Sampling

Distribution: White - Lab Copy; Yellow - Return to Originator

Cooler Receipt and Preservation Check Form

R2105399 5
Elderlee, Inc
Annual 2021 GW Sampling

Project/Client Elderlee Folder Number

Cooler received on 6/2/21 by: JW

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)
2	**Custody papers** properly completed (ink, signed)?	(Y) N
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N
4	Circle: **Wet Ice Dry Ice Gel packs** present?	(Y) N

5a	**Perchlorate** samples have required headspace?	Y N (NA)
5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y N (NA)
6	Where did the bottles originate?	(ALS/ROC) CLIENT
7	Soil VOA received as: Bulk Encore 5035set	(NA)

3. Temperature Readings Date: 6/2/21 Time: 1446 ID: IR#7 IR#1 From: (Temp Blank) Sample Bottle

Observed Temp (°C)	11.9C						
Within 0-6°C?	Y (N)	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) (Same Day Rule)

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: Room by JW on 6/2/21 at 1451
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 6/2/21 Time: 1545 by: [illegible]

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2	203419	HNO_3	✓		112021					
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 210325

Explain all Discrepancies/ Other Comments:

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: [illegible]
PC Secondary Review: _____

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

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Elderlee, Inc **Service Request:** R2105399
Project: Annual 2021 GW Sampling

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
R2105399-001.01					
	6010C,6010C				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	1547	R-A01 / GLAFORCE	
		6/3/2021	0832	In Lab / NMANSEN	
		6/3/2021	0907	R-A01 / NMANSEN	
R2105399-001.24					
	300.0,300.0				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	2011	RT000316 / DWARD	
		6/2/2021	2012	R-017 / DWARD	
		6/15/2021	1511	R-002 / GLAFORCE	
R2105399-001.25					
	7470A				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	1547	R-002 / GLAFORCE	
R2105399-002.01					
	6010C,6010C				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	1547	R-A01 / GLAFORCE	
		6/3/2021	0832	In Lab / NMANSEN	
		6/3/2021	0907	R-A01 / NMANSEN	
R2105399-002.24					
	300.0,300.0				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	2012	RT000316 / DWARD	
		6/2/2021	2012	R-017 / DWARD	
		6/15/2021	1511	R-002 / GLAFORCE	
R2105399-002.25					
	7470A				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	1547	R-002 / GLAFORCE	
R2105399-003.01					
	6010C,6010C				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	1547	R-A01 / GLAFORCE	
		6/3/2021	0832	In Lab / NMANSEN	
		6/3/2021	0907	R-A01 / NMANSEN	
R2105399-003.24					

Client: Elderlee, Inc **Service Request:** R2105399
Project: Annual 2021 GW Sampling

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	300.0,300.0				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	2012	RT000316 / DWARD	
		6/2/2021	2012	R-017 / DWARD	
		6/15/2021	1511	R-002 / GLAFORCE	
R2105399-003.25					
	7470A				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	1547	R-002 / GLAFORCE	
R2105399-004.01					
	6010C,6010C				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	1547	R-A01 / GLAFORCE	
		6/3/2021	0832	In Lab / NMANSEN	
		6/3/2021	0907	R-A01 / NMANSEN	
R2105399-004.24					
	300.0,300.0				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	2012	RT000316 / DWARD	
		6/2/2021	2012	R-017 / DWARD	
		6/15/2021	1511	R-002 / GLAFORCE	
R2105399-004.25					
	7470A				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	1547	R-002 / GLAFORCE	
R2105399-005.01					
	6010C,6010C				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	1547	R-A01 / GLAFORCE	
		6/3/2021	0832	In Lab / NMANSEN	
		6/3/2021	0907	R-A01 / NMANSEN	
R2105399-005.24					
	300.0,300.0				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	2012	RT000316 / DWARD	
		6/2/2021	2012	R-017 / DWARD	
		6/15/2021	1511	R-002 / GLAFORCE	
R2105399-005.25					
	7470A				
		6/2/2021	1546	SMO / GLAFORCE	

ALS Group USA, Corp.
dba ALS Environmental

Internal Chain of Custody Report

Client: Elderlee, Inc **Service Request:** R2105399
Project: Annual 2021 GW Sampling

Bottle ID	Methods	Date	Time	Sample Location / User	Disposed On
	7470A				
		6/2/2021	1547	R-002 / GLAFORCE	
R2105399-006.01					
	6010C,6010C				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	1547	R-A01 / GLAFORCE	
		6/3/2021	0832	In Lab / NMANSEN	
		6/3/2021	0907	R-A01 / NMANSEN	
R2105399-006.24					
	300.0,300.0				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	2012	RT000316 / DWARD	
		6/2/2021	2012	R-017 / DWARD	
		6/15/2021	1511	R-002 / GLAFORCE	
R2105399-006.25					
	7470A				
		6/2/2021	1546	SMO / GLAFORCE	
		6/2/2021	1547	R-002 / GLAFORCE	

Miscellaneous Forms

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REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.

Spike was diluted out.

\+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Certifications[1]

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

[1] Analyses were performed according to our laboratoryôs NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Elderlee, Inc **Service Request:** R2105399
Project: Annual 2021 GW Sampling/

Sample Name: MW-10R **Date Collected:** 06/2/21
Lab Code: R2105399-001 **Date Received:** 06/2/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		KWONG
6010C	KMCLAEN	KMCLAEN
6010C	KMCLAEN	NMANSEN
7470A	KMCLAEN	KMCLAEN

Sample Name: MW-8 **Date Collected:** 06/2/21
Lab Code: R2105399-002 **Date Received:** 06/2/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		KWONG
6010C	KMCLAEN	NMANSEN
6010C	KMCLAEN	KMCLAEN
7470A	KMCLAEN	KMCLAEN

Sample Name: MW-11 **Date Collected:** 06/2/21
Lab Code: R2105399-003 **Date Received:** 06/2/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		KWONG
6010C	KMCLAEN	NMANSEN
6010C	KMCLAEN	KMCLAEN
7470A	KMCLAEN	KMCLAEN

Sample Name: MW-9R **Date Collected:** 06/2/21
Lab Code: R2105399-004 **Date Received:** 06/2/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		KWONG

Client: Elderlee, Inc **Service Request:** R2105399
Project: Annual 2021 GW Sampling/

Sample Name: MW-9R **Date Collected:** 06/2/21
Lab Code: R2105399-004 **Date Received:** 06/2/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	NMANSEN
7470A	KMCLAEN	KMCLAEN

Sample Name: MW-5A **Date Collected:** 06/2/21
Lab Code: R2105399-005 **Date Received:** 06/2/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		KWONG
6010C	KMCLAEN	NMANSEN
6010C	KMCLAEN	KMCLAEN
7470A	KMCLAEN	KMCLAEN

Sample Name: MW-4A **Date Collected:** 06/2/21
Lab Code: R2105399-006 **Date Received:** 06/2/21
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		KWONG
6010C	KMCLAEN	KMCLAEN
6010C	KMCLAEN	NMANSEN
7470A	KMCLAEN	KMCLAEN

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

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Metals

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METALS

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10R

Contract: R2105399

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-10R

Matrix (soil/water): WATER Lab Sample ID: R2105399-001

Level (low/med): LOW Date Received: 6/2/2021

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	23.7			P
7440-41-7	Beryllium	3.0	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	256000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	688			P
7439-92-1	Lead	50.0	U		P
7439-95-4	Magnesium	28300			P
7439-96-5	Manganese	1980			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2000	U		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	47100			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	1330			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-8

Contract: R2105399

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-10R

Matrix (soil/water): WATER Lab Sample ID: R2105399-002

Level (low/med): LOW Date Received: 6/2/2021

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	23.1			P
7440-41-7	Beryllium	3.0	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	452000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	4620			P
7439-92-1	Lead	50.0	U		P
7439-95-4	Magnesium	37100			P
7439-96-5	Manganese	593			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	3950			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	68400			P
7440-28-0	Thallium	10.8			P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	1960			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-11

Contract: R2105399

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-10R

Matrix (soil/water): WATER Lab Sample ID: R2105399-003

Level (low/med): LOW Date Received: 6/2/2021

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	69.2			P
7440-41-7	Beryllium	3.0	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	392000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	6310			P
7439-92-1	Lead	50.0	U		P
7439-95-4	Magnesium	64600			P
7439-96-5	Manganese	1290			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5500			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	203000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	37.5			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-9R

Contract: R2105399

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-10R

Matrix (soil/water): WATER Lab Sample ID: R2105399-004

Level (low/med): LOW Date Received: 6/2/2021

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	33.1			P
7440-41-7	Beryllium	3.0	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	146000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	50.0	U		P
7439-95-4	Magnesium	31200			P
7439-96-5	Manganese	52.0			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2530			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	196000			P
7440-28-0	Thallium	10.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	87.3			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-5A

Contract: R2105399

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-10R

Matrix (soil/water): WATER Lab Sample ID: R2105399-005

Level (low/med): LOW Date Received: 6/2/2021

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	20.0	U		P
7440-41-7	Beryllium	3.0	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	541000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	3050			P
7439-92-1	Lead	50.0	U		P
7439-95-4	Magnesium	47000			P
7439-96-5	Manganese	594			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2110			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	69500			P
7440-28-0	Thallium	10.4			P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	412			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4A

Contract: R2105399

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-10R

Matrix (soil/water): WATER Lab Sample ID: R2105399-006

Level (low/med): LOW Date Received: 6/2/2021

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	47.2			P
7440-41-7	Beryllium	3.0	U		P
7440-43-9	Cadmium	5.0	U		P
7439-97-6	Mercury	0.200	U		CV
7440-70-2	Calcium	515000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	20.0	U		P
7439-89-6	Iron	3680			P
7439-92-1	Lead	50.0	U		P
7439-95-4	Magnesium	64200			P
7439-96-5	Manganese	553			P
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	4530			P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	144000			P
7440-28-0	Thallium	12.5			P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	12800			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

General Chemistry

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Analytical Report

Client:	Elderlee, Inc	**Service Request:**	R2105399
Project:	Annual 2021 GW Sampling	**Date Collected:**	06/02/21 08:55
Sample Matrix:	Water	**Date Received:**	06/02/21 14:45
Sample Name:	MW-10R	**Basis:**	NA
Lab Code:	R2105399-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**73.4**	mg/L	2.0	10	06/09/21 22:33	
Sulfate	300.0	**483**	mg/L	20	100	06/14/21 14:12	

Analytical Report

Client:	Elderlee, Inc	**Service Request:**	R2105399
Project:	Annual 2021 GW Sampling	**Date Collected:**	06/02/21 09:30
Sample Matrix:	Water	**Date Received:**	06/02/21 14:45
Sample Name:	MW-8	**Basis:**	NA
Lab Code:	R2105399-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**89.1**	mg/L	2.0	10	06/09/21 22:40	
Sulfate	300.0	**988**	mg/L	40	200	06/14/21 14:19	

Analytical Report

Client:	Elderlee, Inc	**Service Request:**	R2105399
Project:	Annual 2021 GW Sampling	**Date Collected:**	06/02/21 10:20
Sample Matrix:	Water	**Date Received:**	06/02/21 14:45
Sample Name:	MW-11	**Basis:**	NA
Lab Code:	R2105399-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**363**	mg/L	10	50	06/14/21 14:26	
Sulfate	300.0	**871**	mg/L	40	200	06/14/21 14:34	

Analytical Report

Client:	Elderlee, Inc	**Service Request:**	R2105399
Project:	Annual 2021 GW Sampling	**Date Collected:**	06/02/21 11:00
Sample Matrix:	Water	**Date Received:**	06/02/21 14:45
Sample Name:	MW-9R	**Basis:**	NA
Lab Code:	R2105399-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**373**	mg/L	10	50	06/14/21 14:41	
Sulfate	300.0	**82.0**	mg/L	2.0	10	06/09/21 22:55	

Analytical Report

Client:	Elderlee, Inc	**Service Request:**	R2105399
Project:	Annual 2021 GW Sampling	**Date Collected:**	06/02/21 12:00
Sample Matrix:	Water	**Date Received:**	06/02/21 14:45
Sample Name:	MW-5A	**Basis:**	NA
Lab Code:	R2105399-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**108**	mg/L	4.0	20	06/14/21 14:49	
Sulfate	300.0	**1150**	mg/L	40	200	06/14/21 14:59	

Analytical Report

Client:	Elderlee, Inc	**Service Request:**	R2105399
Project:	Annual 2021 GW Sampling	**Date Collected:**	06/02/21 13:00
Sample Matrix:	Water	**Date Received:**	06/02/21 14:45
Sample Name:	MW-4A	**Basis:**	NA
Lab Code:	R2105399-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**272**	mg/L	6.0	30	06/14/21 15:21	
Sulfate	300.0	**1170**	mg/L	60	300	06/14/21 15:29	

QC Summary Forms

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Metals

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METALS

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BLANKS

Contract: R2105399

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-10R

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	100.00	U	100.00	U	100.00	U	100.00	U	100.000	U	P
Antimony	60.00	U	60.00	U	60.00	U	60.00	U	60.000	U	P
Arsenic	10.00	U	10.00	U	10.00	U	10.00	U	10.000	U	P
Barium	20.00	U	20.00	U	20.00	U	20.00	U	20.000	U	P
Beryllium	3.00	U	3.00	U	3.00	U	3.00	U	3.000	U	P
Cadmium	5.00	U	5.00	U	5.00	U	5.00	U	5.000	U	P
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	CV
Calcium	1000.00	U	1000.00	U	1000.00	U	1000.00	U	1000.000	U	P
Chromium	10.00	U	10.00	U	10.00	U	10.00	U	10.000	U	P
Cobalt	50.00	U	50.00	U	50.00	U	50.00	U	50.000	U	P
Copper	20.00	U	20.00	U	20.00	U	20.00	U	20.000	U	P
Iron	100.00	U	100.00	U	100.00	U	100.00	U	100.000	U	P
Lead	50.00	U	50.00	U	50.00	U	50.00	U	50.000	U	P
Magnesium	1000.00	U	1000.00	U	1000.00	U	1000.00	U	1000.000	U	P
Manganese	10.00	U	10.00	U	10.00	U	10.00	U	10.000	U	P
Nickel	40.00	U	40.00	U	40.00	U	40.00	U	40.000	U	P
Potassium	2000.00	U	2000.00	U	2000.00	U	2000.00	U	2000.000	U	P
Selenium	10.00	U	10.00	U	10.00	U	10.00	U	10.000	U	P
Silver	10.00	U	10.00	U	10.00	U	10.00	U	10.000	U	P
Sodium	1000.00	U	1000.00	U	1000.00	U	1000.00	U	1000.000	U	P
Thallium	10.00	U	10.00	U	10.00	U	10.00	U	10.000	U	P
Vanadium	50.00	U	50.00	U	50.00	U	50.00	U	50.000	U	P
Zinc	20.00	U	20.00	U	20.00	U	20.00	U	20.000	U	P

Comments:

METALS

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BLANKS

Contract: R2105399

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-10R

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			100.00	U	100.00	U	100.00	U			P
Antimony			60.00	U	60.00	U	60.00	U			P
Arsenic			10.00	U	10.00	U	10.00	U			P
Barium			20.00	U	20.00	U	20.00	U			P
Beryllium			3.00	U	3.00	U	3.00	U			P
Cadmium			5.00	U	5.00	U	5.00	U			P
Mercury			0.200	U	0.200	U					CV
Calcium			1000.00	U	1000.00	U	1000.00	U			P
Chromium			10.00	U	10.00	U	10.00	U			P
Cobalt			50.00	U	50.00	U	50.00	U			P
Copper			20.00	U	20.00	U	20.00	U			P
Iron			100.00	U	100.00	U	100.00	U			P
Lead			50.00	U	50.00	U	50.00	U			P
Magnesium			1000.00	U	1000.00	U	1000.00	U			P
Manganese			10.00	U	10.00	U	10.00	U			P
Nickel			40.00	U	40.00	U	40.00	U			P
Potassium			2000.00	U	2000.00	U	2000.00	U			P
Selenium			10.00	U	10.00	U	10.00	U			P
Silver			10.00	U	10.00	U	10.00	U			P
Sodium			1000.00	U	1000.00	U	1000.00	U			P
Thallium			10.00	U	10.00	U	10.00	U			P
Vanadium			50.00	U	50.00	U	50.00	U			P
Zinc			20.00	U	20.00	U	20.00	U			P

Comments:

METALS

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BLANKS

Contract: R2105399

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-10R

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic	10.00	U	10.00	U	10.00	U	10.00	U			P
Calcium	1000.00	U	1000.00	U	1000.00	U	1000.00	U			P
Sodium	1000.00	U	1000.00	U	1000.00	U	1000.00	U			P
Thallium	10.00	U	10.00	U	10.00	U	10.00	U			P
Zinc	20.00	U	20.00	U	20.00	U	20.00	U			P

Comments:

METALS

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BLANKS

Contract: R2105399

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-10R

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	C	Continuing Calibration Blank ug/L 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			10.00	U	10.00	U	10.00	U			P
Calcium			1000.00	U	1000.00	U	1000.00	U			P
Sodium			1000.00	U	1000.00	U	1000.00	U			P
Thallium			10.00	U	10.00	U	10.00	U			P
Zinc			20.00	U	20.00	U	20.00	U			P

Comments:

METALS

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LABORATORY CONTROL SAMPLE

Contract: R2105399

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: MW-10R

Solid LCS Source: _____

Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L			Solid (mg/K				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum	2000	2030	102					
Antimony	500	497	99					
Arsenic	40	36	90					
Barium	2000	2080	104					
Beryllium	50	52	104					
Cadmium	50	52	104					
Mercury	1.000	1.030	103					
Calcium	2000	2080	104					
Chromium	200	209	104					
Cobalt	500	523	105					
Copper	250	252	101					
Iron	1000	1030	103					
Lead	500	513	103					
Magnesium	2000	2020	101					
Manganese	500	509	102					
Nickel	500	522	104					
Potassium	20000	19800	99					
Selenium	1010	1020	101					
Silver	50	49	98					
Sodium	20000	20200	101					
Thallium	2000	1880	94					
Vanadium	500	510	102					
Zinc	500	519	104					

Comments: _____

General Chemistry

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Analytical Report

Client:	Elderlee, Inc	**Service Request:**	R2105399
Project:	Annual 2021 GW Sampling	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2105399-MB1		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	0.20 U	mg/L	0.20	1	06/09/21 20:26	
Sulfate	300.0	0.20 U	mg/L	0.20	1	06/09/21 20:26	

Analytical Report

Client:	Elderlee, Inc	**Service Request:**	R2105399
Project:	Annual 2021 GW Sampling	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	R2105399-MB2		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	0.20 U	mg/L	0.20	1	06/14/21 13:42	
Sulfate	300.0	0.20 U	mg/L	0.20	1	06/14/21 13:42	

Client: Elderlee, Inc
Project: Annual 2021 GW Sampling
Sample Matrix: Water

Service Request: R2105399
Date Analyzed: 06/09/21

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2105399-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	1.94	2.00	97	90-110
Sulfate	300.0	1.96	2.00	98	90-110

Client: Elderlee, Inc
Project: Annual 2021 GW Sampling
Sample Matrix: Water

Service Request: R2105399
Date Analyzed: 06/14/21

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R2105399-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	1.92	2.00	96	90-110
Sulfate	300.0	1.97	2.00	99	90-110

APPENDIX E

PHOTO LOGS

Representative Photos – Area A

729 Cross Road, Oaks Corners, NY **June 2, 2021**

Photo Location No. 1 – Area A – Looking West on South Edge of Cover

Photo Location No. 2 – Area A – Looking South on West Edge of Cover

Representative Photos – Area A

729 Cross Road, Oaks Corners, NY **June 2, 2021**

Photo Location No. 3 – Area A – Looking East on North Edge of Cover

Photo Location No. 4 – Area A – Looking South on East Edge of Cover

Representative Photos – Area A

729 Cross Road, Oaks Corners, NY **June 2, 2021**

Photo Location No. 5 – Area A – Center overview - Looking Northeast at Cover