2023 SAMPLING REPORT

HITEMAN LEATHER SITE
NY Route 51
West Winfield, NY 13481

NYSDEC SITE NO.: 622007

PREPARED FOR:
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL
REMEDIATION
625 BROADWAY, 12TH FLOOR
ALBANY, NY 12233

PREPARED BY:
PRECISION ENVIRONMENTAL
SERVICES, INC.
831 ROUTE 67, LOT 38A
BALLSTON SPA, NY 12020

December, 2023

This 2023 Sampling Report provides the results of periodic groundwater sampling and annual site review at the Former Hiteman Leather Inactive Hazardous Waste Disposal Site.

1.0 Background

The Hiteman Leather Site is comprised two properties south of US Route 20 in the Village of West Winfield, Herkimer County, New York:

- the 12± acre former tanning site off South Street (NY 51) and
- the 2.6± acres former Crumb Trailer Park where some of the remedial waste was placed and properly covered/closed.

Main Site

Due to historic leather tannery operations, metals contamination was documented at levels requiring interim remedial measures. After site planning, investigation and design, soil was excavated and much was placed in a consolidation area on the site. Polyethylene liners and soil cover were installed to help protect the area.

Crumb Trailer Park

Effectiveness and Compliance

The March 2023 Periodic Review Report describes Institutional and Engineering and Controls, Site Monitoring requirements. Compliance with remedial goals was demonstrated though site monitoring and operation & maintenance.

Institutional Controls

Institutional controls implemented as part of the ROD include:

- limiting the use and development of the property,
- compliance with the approved Site Management Plan, and
- restricting uses of groundwater as a source of potable or process water.

No significant change in site or potable water use has occurred since the prior reporting period and thus compliance with these controls was satisfied.

Engineering Controls Per the Site Management Plan (SMP) Engineering controls on the site are:

- Lined Consolidation Area
- Soil Cover System over the demarcation area;
- Perimeter fencing along the eastern and northern boundaries

The Lined Consolidation Area as well as the Soil Cover System exhibited little to no erosion. Our September 19, 2023 site inspection, as well as August 29, 2023 water sampling activities, revealed no significant changes at the Site.

Monitoring and Operation & Maintenance

During this period, the following monitoring and O&M procedures were completed:

1. Annual Inspection of the Site and specific ICs/ECs: September 19, 2023.
    - Subsurface soil demarcation areas appeared undisturbed.
    - Site Drainage and designated swales were in good condition
    - no evidence of intrusive activities was observed
    - North and east perimeter fence was satisfactory.
    - Minor displacement of rip-rap was observed at the Unadilla River streambank along the West End. While not significant it should be replaced. The remaining stream bank appeared satisfactory.

    - At Crumb Trailer Park, the west end of the chain-link fence fence-line should be re-set or replaced.

2. Groundwater sampling and analysis. Emerging Contaminants were removed from the scope per the NYSDEC and due to low levels detected previously.

    Analytical results are presented in Table 1 as well as the full report in Appendix B. The metals analysis resulted in slightly lower detections then last year. Similar to prior years, manganese and iron were above standards (NYSDEC - *Division of Water Resources, Classes, and Quality Standards for Groundwater*, Chapter 10 of Title 6, Article 2, Part 703.5) in 5 of the 6 monitoring wells

- Iron exceedances ranged from 1.2 to 8.3 mg/L (0.30 mg/L standard).
- Manganese exceedances ranged from 0.5 - 1.5 mg/L (0.30 mg/L standard)
- These detections are also not significantly inconsistent with similar detections in prior years.

3. North Country Ecological Services provided review for wetlands and invasive species per the PRR. See Appendix A for their report.

Recommendations

Concentrations of contaminants in groundwater, indicate the continued need for operation of the implemented Engineering /Institutional Controls at the site. Specific recommendations include:

- Continue groundwater monitoring to document effectiveness of the remedy,
- Continue site inspection to verify site conditions;
- Retain a certified herbicide applicator to develop plan to eradicate Japanese Knotweed discovered on site.
- Monitoring of the stands of Phragmites yearly to determine if they are expanding
- Replace minor rip-rap dislodged from Unadilla River streambank along the West End.
- At Crumb Trailer Park, the west end of the chain-link fence fence-line should be re-set or replaced.

TABLE 1 - GROUNDWATER RESULTS

2023

HITEMEN LEATHER SITE # 622007

WEST WINFIELD, NY

General Method	Analyte	Units	GW STD.[*1]	MW-6S 29-Aug-23	MW-5S 29-Aug-23	MW-11S 29-Aug-23	MWC-1W 29-Aug-23	MWC-1S 29-Aug-23	MW-14S 29-Aug-23	Duplicate 29-Aug-23
Metals Analyses (Total)	Aluminum	mg/L	0.10	<0.050	<0.050	<0.050	<0.050	<0.050	2	0.32
Metals Analyses (Total)	Antimony	mg/L	0.03	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Metals Analyses (Total)	Arsenic	mg/L	0.05	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	<0.010
Metals Analyses (Total)	Barium	mg/L	1.00	0.11	0.18	0.13	0.17	0.052	0.29	0.06
Metals Analyses (Total)	Beryllium	mg/L	0.0030	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Metals Analyses (Total)	Cadmium	mg/L	0.05	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Metals Analyses (Total)	Calcium	mg/L	NA	110	120	120	130	120	580	130
Metals Analyses (Total)	Chromium	mg/L	0.05	<0.010	<0.010	<0.010	<0.010	0.065	0.013	0.099
Metals Analyses (Total)	Cobalt	mg/L	0.0050	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Metals Analyses (Total)	Copper	mg/L	0.20	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Metals Analyses (Total)	Iron	mg/L	0.30	3.2	3.2	2.6	8.3	<0.050	2.9	1.2
Metals Analyses (Total)	Lead	mg/L	0.05	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Metals Analyses (Total)	Magnesium	mg/L	35.00	13	12	9.7	8.2	4.6	28	6.3
Metals Analyses (Total)	Manganese	mg/L	0.30	0.7	1.1	0.5	0.88	<0.010	1.5	0.1
Metals Analyses (Total)	Mercury	mg/L	0.0007	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00027	<0.00020
Metals Analyses (Total)	Nickel	mg/L	0.10	<0.010	<0.010	<0.010	<0.010	<0.010	0.022	<0.010
Metals Analyses (Total)	Potassium	mg/L	NA	3.6	4	4.1	3.7	<2.0	2.9	<2.0
Metals Analyses (Total)	Selenium	mg/L	0.01	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Metals Analyses (Total)	Silver	mg/L	0.05	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Metals Analyses (Total)	Sodium	mg/L	20.00	50	65	45	71	<2.0	260	<2.0
Metals Analyses (Total)	Thallium	mg/L	0.0080	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Metals Analyses (Total)	Vanadium	mg/L	0.0140	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Metals Analyses (Total)	Zinc	mg/L	0.0050	<0.010	<0.010	<0.010	0.18	<0.010	0.025	<0.010
Metals Analyses (Dissolved)	Aluminum, dissolved	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	<0.10
Metals Analyses (Dissolved)	Antimony, dissolved	mg/L	0.03	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Metals Analyses (Dissolved)	Arsenic, dissolved	mg/L	0.05	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Metals Analyses (Dissolved)	Barium, dissolved	mg/L	1.00	0.1	0.16	0.12	0.15	<0.10	<0.10	<0.10
Metals Analyses (Dissolved)	Beryllium, dissolved	mg/L	0.0030	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080
Metals Analyses (Dissolved)	Cadmium, dissolved	mg/L	0.05	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080	<0.0080
Metals Analyses (Dissolved)	Calcium, dissolved	mg/L	NA	110	120	120	130	110	140	110
Metals Analyses (Dissolved)	Chromium, dissolved	mg/L	0.05	<0.020	<0.020	<0.020	<0.020	0.064	<0.020	0.04
Metals Analyses (Dissolved)	Cobalt, dissolved	mg/L	0.0050	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Metals Analyses (Dissolved)	Copper, dissolved	mg/L	0.20	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Metals Analyses (Dissolved)	Iron, dissolved	mg/L	0.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Metals Analyses (Dissolved)	Lead, dissolved	mg/L	0.05	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Metals Analyses (Dissolved)	Magnesium, dissolved	mg/L	35.00	13	12	9.6	8	4.5	4.5	4.6
Metals Analyses (Dissolved)	Manganese, dissolved	mg/L	0.30	0.64	1	0.48	0.66	<0.020	<0.020	<0.020
Metals Analyses (Dissolved)	Mercury, dissolved	mg/L	0.0007	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Metals Analyses (Dissolved)	Nickel, dissolved	mg/L	0.10	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Metals Analyses (Dissolved)	Potassium, dissolved	mg/L	NA	<4.0	4.2	<4.0	<4.0	<4.0	<4.0	<4.0
Metals Analyses (Dissolved)	Selenium, dissolved	mg/L	0.01	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Metals Analyses (Dissolved)	Silver, dissolved	mg/L	0.05	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Metals Analyses (Dissolved)	Sodium, dissolved	mg/L	20.00	50	64	43	71	<4.0	250	<4.0
Metals Analyses (Dissolved)	Thallium, dissolved	mg/L	0.0080	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Metals Analyses (Dissolved)	Vanadium, dissolved	mg/L	0.0140	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Metals Analyses (Dissolved)	Zinc, dissolved	mg/L	0.0050	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

[*1] = 6 NYCRR Part 703.5 Surface and Groundwater Quality Standards.

<0.050 = CONCENTRATION LESS THAN LISTED MCL

50 = DETECTION OF ANALYTE

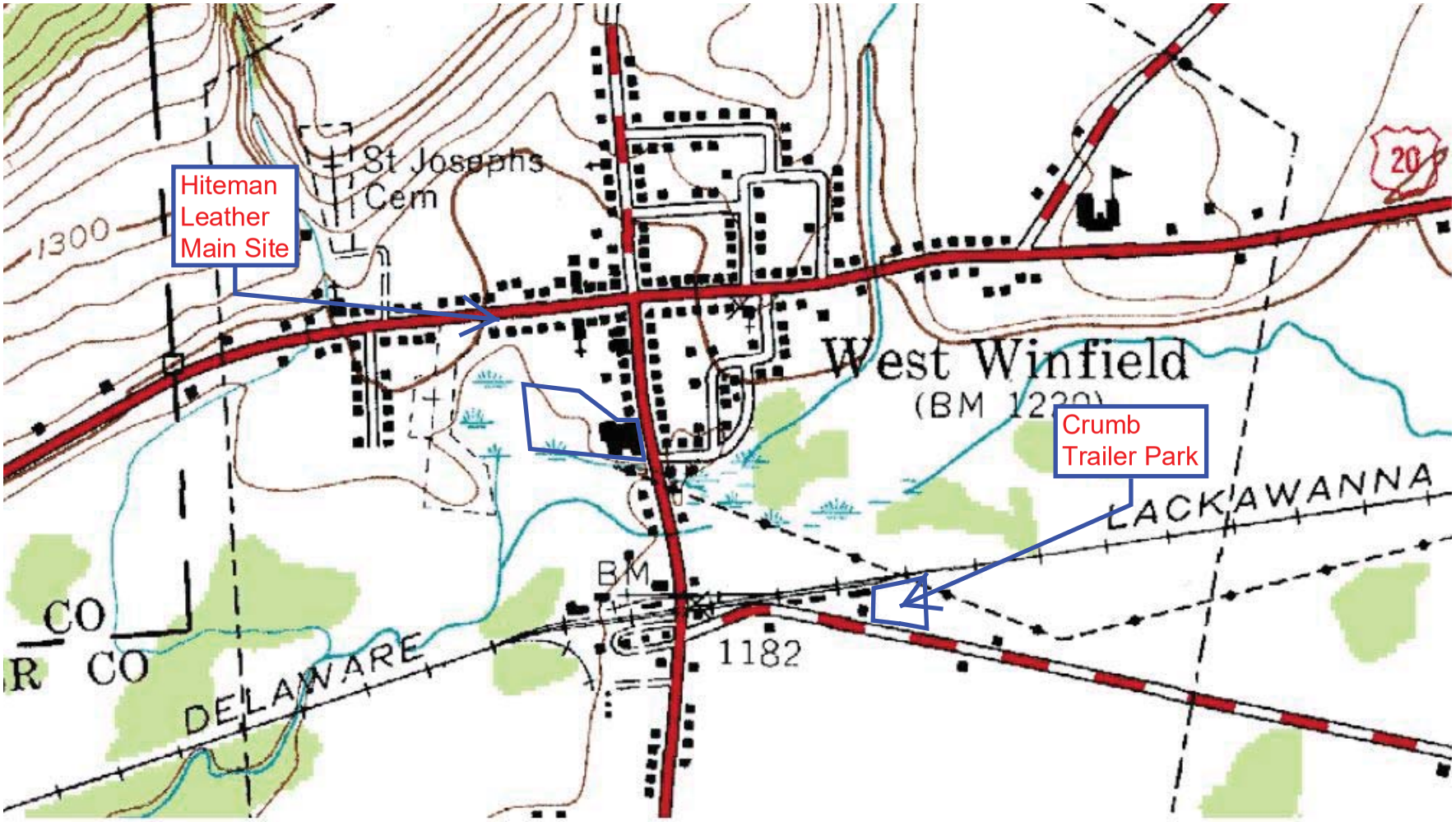
50 = DETECTION ABOVE GROUNDWATER STANDARD

J = APPROXIMATE VALUE, GREATER THAN MDL BUT LESS THAN RL

B = COMPOUND FOUND IN BLANK AND SAMPLE

FIGURES

PRECISION
ENVIRONMENTAL SERVICES, INC.



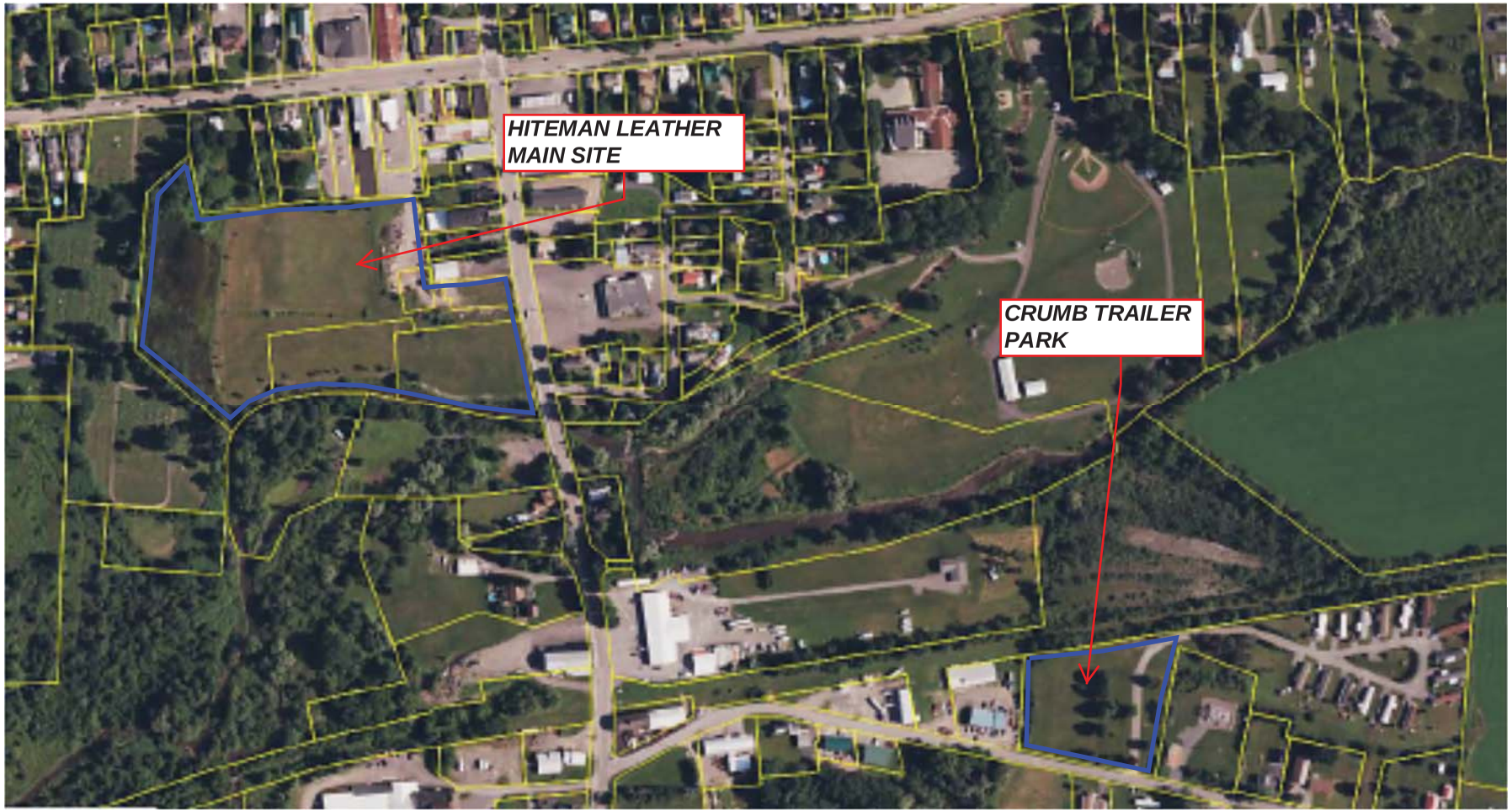
PRECISION
ENVIRONMENTAL SERVICES, INC.
831 RT. 67, LOT 38 A
BALLSTON SPA, NY 12020
TEL: 518-885-4399
FAX: 518-885-4416
CERTIFIED WOMEN-OWNED BUSINESS ENTERPRISE

Figure 1 – LOCATION MAP

Hiteman Leather Site

Village of West Winfield, Herkimer County, New York

NYSDEC Site # 622007 **Scale: NONE**



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831 RT. 67, LOT 38 A
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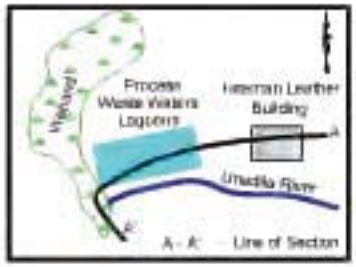
Figure 2 – SITE TAX MAP

Hiteman Leather Site

Village of West Winfield, Herkimer County, New York

NYSDEC Site # 622007 **Scale: NONE**



HITEMAN LEATHER TANNERY

WASTE WATER LAGOONS

WATER TABLE MOUNDING ABOVE DEEP AQUIFER POTENTIOMETRIC SURFACE

LINING-PROCESS WASTE WATER VIA SLUICEWAY

PROCESS WATER FROM RIVER

UMATILLA RIVER

ONSITE WETLAND

SHALLOW UNCONFINED AQUIFER UNIT

SEMI-CONFINING UNIT

DEEP CONFINED AQUIFER UNIT

WATER LEVELS

SHALLOW AQUIFER WATERTABLE

DEEP AQUIFER POTENTIOMETRIC SURFACE

CONTAMINANT OVERLAND FLOW

OVERLAND FLOW

GROUNDWATER FLOW

PREDOMINANT VERTICAL POTENTIOMETRIC FLOW GRADIENT

STRATIGRAPHY

FLOOD PLAIN DEPOSIT

GLACIAL OUTWASH DEPOSIT

GLACIO-LACUSTRINE DEPOSIT

ONONDAGA FORMATION

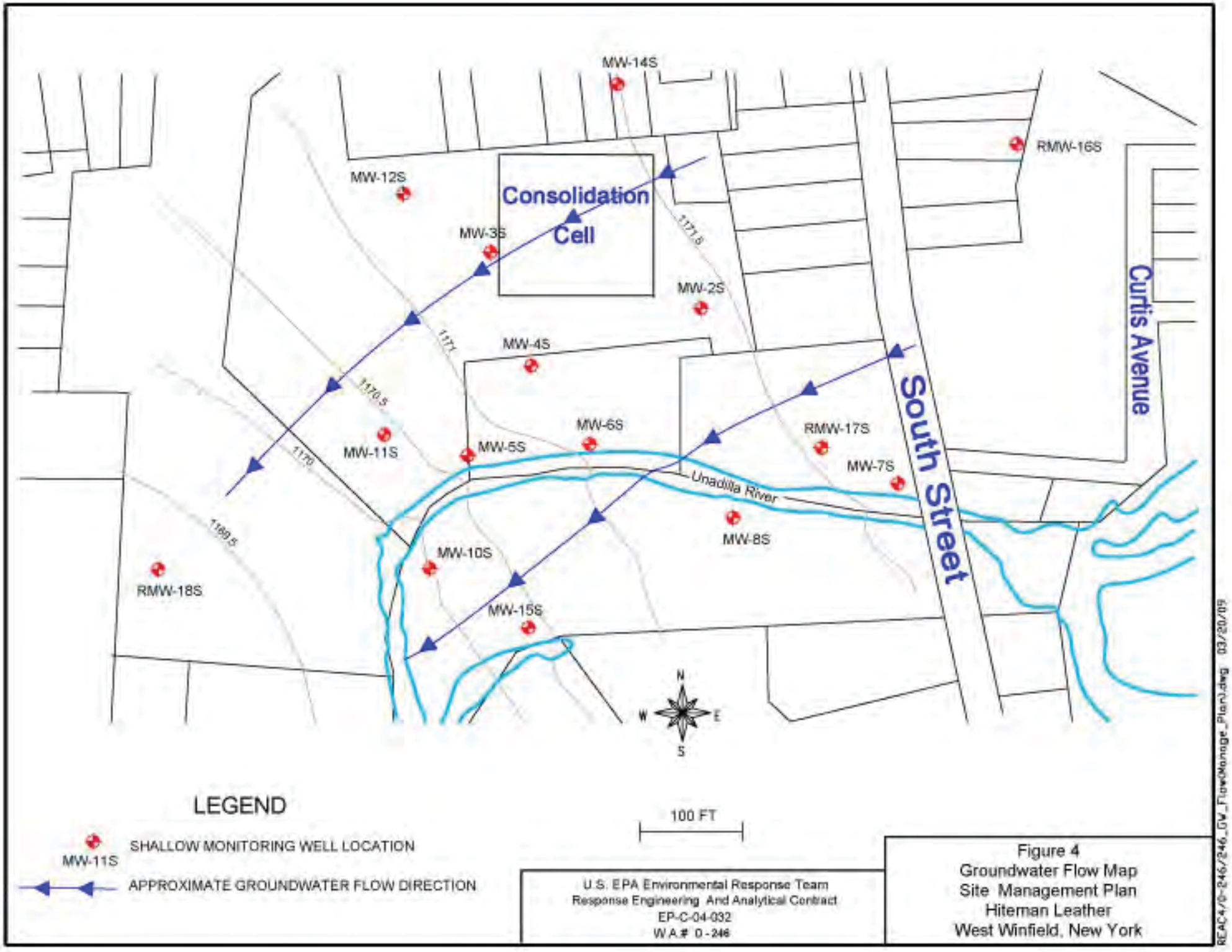
SCALE:

100 FT

U.S. EPA Environmental Response Team
Response Engineering And Analytical Contract
EP-C-04-032
W.A.# 0 - 246

Figure 3
Hydrogeologic Conceptual Cross Section
Site Management Plan
Hiteman Leather
West Winfield, New York

REAC4/0-246/246_Historical_Model.dwg 03/19/09


MW-14S
RMW-16S
MW-12S
Consolidation Cell
MW-3S
MW-2S
Curtis Avenue
South Street
MW-4S
1171.5
1171
1170.5
1170
1169.5
MW-11S
MW-5S
MW-6S
RMW-17S
MW-7S
Unadilla River
MW-8S
MW-10S
RMW-18S
MW-15S
N
W
E
S
LEGEND
MW-11S
SHALLOW MONITORING WELL LOCATION
APPROXIMATE GROUNDWATER FLOW DIRECTION
100 FT
U.S. EPA Environmental Response Team
Response Engineering And Analytical Contract
EP-C-04-032
W.A.# 0-246
Figure 4
Groundwater Flow Map
Site Management Plan
Hiteman Leather
West Winfield, New York
REAC4/0-246/246_GW_FlowManage_Plan1.dwg 03/20/09

APPENDIX A

North Country Ecological Report

PRECISION
ENVIRONMENTAL SERVICES, INC.

NORTH COUNTRY
ECOLOGICAL SERVICES, INC.

October 24, 2023

Mr. Brian Neumann, Project Manager
Precision Environmental Services, Inc.
831 Route 67, Lot 38A
Ballston Spa, New York 12020

Re: ***Hiteman Leather Superfund Site***
2023 Wetland & Invasive Species Monitoring
Village of West Winfield, Herkimer County, New York

Dear Mr. Neumann:

On September 19, 2023, North Country Ecological Services, Inc. (NCES) visited the above-referenced site with Mr. William Hennessy, Jr., P.E. to inspect the on-site wetlands, the wetland drainage outfall to the Unadilla River, the central linear drainage ditch for flow issues, and to inspect the property for invasive species of flora. The inspections are required for the annual Site Management Plan to be submitted to the N.Y.S. Dept. of Environmental Conservation (DEC) and the U.S. Environmental Protection Agency (EPA).

Wetland Outfall & Unadilla River

The wetland in the western portion of the property remains dominated by cattail (*Typha latifolia*), Joe-pye-weed (*Eupatorium maculatum*), late goldenrod (*Solidago gigantea*), and other Palustrine emergent wetland species of Forbes and grasses. The wetland has not changed its hydrologic character, species composition, or structure in the past five (5) years. The wetland also appears stable in its functions and benefits. The wetland outfall to the Unadilla River was noted as intact and functioning. The 6" PVC pipe and rip-rap area of the outfall were clear of debris and obstructions. It was evident that water flows through the pipe and rip-rap during periods of high water, as intended.

The banks of the Unadilla River were fully vegetated with grasses, Forbes, shrubs, and trees. The vegetation and their roots maintain the stability soils of the bank of the river. The banks appeared stable and intact and no erosion or slumping of the bank was observed.

Central Drainage Ditch

The central linear drainage was collecting and transferring water to the culvert pipe under the access path. The vegetation along the drainage had been cut as per NCES's recommendation in 2019 ("to increase flow and improve drainage, the swale could be cleared of vegetation in the future"). The vegetation has regrown, but allows for the unrestricted flow of water

through the ditch. The culvert under the access path was found to be in good condition and water was flowing freely through the pipe to the emergent wetland to the west.

Invasive Species

During the field inspection, the Japanese Knotweed (*Fallopia japonica*) that is located within the inside of the chain link fence in the northwest corner of the site, had been cut. It appears the knotweed was cut as part of the routine mowing of the property. The presence of the plant is a result of an established stand of Japanese Knotweed found adjacent to the site, and abutting the fence at this location. Based on previous reports for the site, the plants have not spread significantly from 2012 to 2021. NCES recommends, as was recommended in 2019, leaving the area surrounding the Japanese Knotweed un-mowed and fallow. As stated in the 2019 report, one method Japanese Knotweed spreads is through fragmentation by the mowing/cutting of the plant's stem. The mowing of the stand only promotes its potential spread to other areas of the property. It appears that the native vegetation surrounding the Japanese Knotweed is keeping it from spreading into the Site, and also on the adjacent property.

During the field inspection, Common Reed (*Phragmites australis*) was again noted within the wetland, primarily along the eastern edge of the wetland. Phragmites is a common invasive species within wetlands and can spread by seed dispersal or by rhizomes spreading from established plants. There are now three (3) distinct patches that cover an area of 20' x 30' each. The stands of Phragmites within the wetland do not appear to have enlarged since reported in 2019. The Phragmites, while still present are not spreading and are occupying their current location.

To combat the spread of both Japanese Knotweed and Phragmites, NCES recommends that consultation with a certified herbicide applicator be conducted to develop a plan for the eradication of the on-site plants. The method to manage these species includes applying herbicide to the cut stalks in September, prior to the plant going dormant for the winter. The cut portion of the plants are bagged and disposed of in a landfill.

In summary, the site remains virtually unchanged since NCES's initial inspection in 2019. The wetland outfall and the central drainage ditch are functioning as intended. The wetland species composition and hydrology are stable and there was no stress from changing conditions noted. The species of invasive flora have not measurably expanded or have been found to have relocated to other areas of the site. The banks of the Unadilla River are stable, and no erosion or slumping of the banks was noted. Photographs of the interior of the site, the wetland complex, the wetland outfall, central drainage ditch, and of the invasive species are attached for your refence.

Even though the invasive Japanese Knotweed and Phragmites is present, neither colony appears to be spreading and increasing in size. No other colonies of these species were noted in other locations on the Site.

If you have any questions, feel free to contact me at any time.

Sincerely;

North Country Ecological Services, Inc.

Stephen P. George, PWS

Attachment

cc: William Hennessy, Jr., P.E.

Photograph 1) View of the wetland outfall pipe and rip-rap area at the confluence of the wetland drainage and the Unadilla River.

Photograph 2) View of the confluence of the wetland outfall and Unadilla River.

Photograph 3) View of the bank of the Unadilla River upgradient of the wetland outfall.

Photograph 4) View of the interior of the Site.

Photograph 5) View of the central linear wetland ditch in the center of the Site.

Photograph 6) View of the edge of the lawn and large wetland complex.

Photograph 7) View of the Japanese Knotweed that is located in the northwest corner of the Site.

Photograph 8) View of the Japanese Knotweed at the fence, and just beyond the property boundary.

Photograph 9) View of the main wetland complex.

Photograph 10) View of the Phragmites within the main wetland complex.

Photograph 11) View of one of the three Phragmite patches in the wetland.

Appendix B

Laboratory Results

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

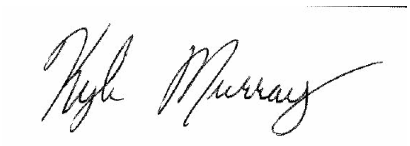
September 27, 2023

Brian Neumann
NYDEC_Precision Environmental Services, Inc
831 Rt. 67 Lot 38A
Ballston Spa, NY 12020

Project Location: NYS Rt 51, West Winfield, NY
Client Job Number:
Project Number: 622007
Laboratory Work Order Number: 23H4431

Enclosed are results of analyses for samples as received by the laboratory on August 31, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kyle A. Murray
Project Manager

Table of Contents

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Precision Environmental Services, Inc
831 Rt. 67 Lot 38A
Ballston Spa, NY 12020
ATTN: Brian Neumann

REPORT DATE: 9/27/2023

PURCHASE ORDER NUMBER: 144516

PROJECT NUMBER: 622007

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23H4431

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: NYS Rt 51, West Winfield, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-6S	23H4431-01	Ground Water		SW-846 6010D	
				SW-846 7470A	
MW-5S	23H4431-02	Ground Water		SW-846 6010D	
				SW-846 7470A	
MW-11S	23H4431-03	Ground Water		SW-846 6010D	
				SW-846 7470A	
MWC-1W	23H4431-04	Ground Water		SW-846 6010D	
				SW-846 7470A	
MWC-1S	23H4431-05	Ground Water		SW-846 6010D	
				SW-846 7470A	
MW-14S	23H4431-06	Ground Water		SW-846 6010D	
				SW-846 7470A	
Duplicate	23H4431-07	Ground Water		SW-846 6010D	
				SW-846 7470A	

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Dissolved Metals-Lab to filter samples arrived past their 24hr hold time. Samples were run past hold, per client approval. KAM 9/15/23

SW-846 6010D

Qualifications:

M-08

The interference check sample was outside of control limits. Data validation is not affected since the sample result is "not detected" and the bias is on the high side.

Analyte & Samples(s) Qualified:

Vanadium

23H4431-01[MW-6S], 23H4431-02[MW-5S], 23H4431-03[MW-11S], 23H4431-04[MWC-1W], 23H4431-05[MWC-1S], 23H4431-06[MW-14S], 23H4431-07[Duplicate], S093968-IFA2

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

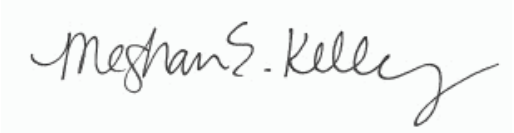
Calcium

23H4431-01[MW-6S], B350922-MS2, B350922-MSD2, B352382-MS1, B352382-MSD1

Sodium

23H4431-01[MW-6S], B350922-MS2, B352382-MS1, B352382-MSD1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: MW-6S Sampled: 8/29/2023 09:35

Sample ID: 23H4431-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/26/23 20:57	JLC
Antimony	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Barium	0.11	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 20:57	JLC
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 20:57	JLC
Calcium	110	0.50	mg/L	1	MS-19	SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Cobalt	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Copper	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Iron	3.2	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Magnesium	13	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Manganese	0.70	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	9/5/23	9/6/23 12:13	AAJ
Nickel	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Potassium	3.6	2.0	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Silver	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Sodium	50	2.0	mg/L	1	MS-19	SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Thallium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH
Zinc	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 15:48	MJH

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Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: MW-6S Sampled: 8/29/2023 09:35

Sample ID: 23H4431-01

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Antimony	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Arsenic	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Barium	0.10	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Beryllium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Cadmium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Calcium	110	1.0	mg/L	1	MS-19	SW-846 6010D	9/19/23	9/20/23 14:47	NC
Chromium	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Cobalt	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Copper	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Iron	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Lead	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Magnesium	13	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Manganese	0.64	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	9/8/23	9/20/23 12:47	AAJ
Nickel	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Potassium	ND	4.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Selenium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/24/23 17:08	NC
Silver	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Sodium	50	4.0	mg/L	1	MS-19	SW-846 6010D	9/19/23	9/20/23 14:47	NC
Thallium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC
Vanadium	ND	0.020	mg/L	1	M-08	SW-846 6010D	9/19/23	9/24/23 17:08	NC
Zinc	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:47	NC

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Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: MW-5S Sampled: 8/29/2023 10:30

Sample ID: 23H4431-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/26/23 21:50	JLC
Antimony	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Barium	0.18	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 21:50	JLC
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 21:50	JLC
Calcium	120	0.50	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Cobalt	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Copper	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Iron	3.2	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Magnesium	12	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Manganese	1.1	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	9/5/23	9/6/23 12:15	AAJ
Nickel	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Potassium	4.0	2.0	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Silver	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Sodium	65	2.0	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Thallium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH
Zinc	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:16	MJH

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Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: MW-5S Sampled: 8/29/2023 10:30

Sample ID: 23H4431-02

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Antimony	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Arsenic	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Barium	0.16	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Beryllium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Cadmium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Calcium	120	1.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Chromium	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Cobalt	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Copper	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Iron	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Lead	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Magnesium	12	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Manganese	1.0	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	9/8/23	9/20/23 12:49	AAJ
Nickel	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Potassium	4.2	4.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Selenium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/24/23 17:13	NC
Silver	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Sodium	64	4.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Thallium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC
Vanadium	ND	0.020	mg/L	1	M-08	SW-846 6010D	9/19/23	9/24/23 17:13	NC
Zinc	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:52	NC

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Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: MW-11S Sampled: 8/29/2023 11:15

Sample ID: 23H4431-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/26/23 21:56	JLC
Antimony	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Barium	0.13	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 21:56	JLC
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 21:56	JLC
Calcium	120	0.50	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Cobalt	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Copper	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Iron	2.6	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Magnesium	9.7	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Manganese	0.50	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	9/5/23	9/6/23 12:17	AAJ
Nickel	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Potassium	4.1	2.0	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Silver	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Sodium	45	2.0	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Thallium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH
Zinc	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:21	MJH

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Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: MW-11S Sampled: 8/29/2023 11:15

Sample ID: 23H4431-03

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Antimony	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Arsenic	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Barium	0.12	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Beryllium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Cadmium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Calcium	120	1.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Chromium	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Cobalt	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Copper	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Iron	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Lead	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Magnesium	9.6	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Manganese	0.48	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	9/8/23	9/20/23 12:51	AAJ
Nickel	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Potassium	ND	4.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Selenium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/24/23 17:19	NC
Silver	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Sodium	43	4.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Thallium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC
Vanadium	ND	0.020	mg/L	1	M-08	SW-846 6010D	9/19/23	9/24/23 17:19	NC
Zinc	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 14:58	NC

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Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: MWC-1W Sampled: 8/29/2023 12:15

Sample ID: 23H4431-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/26/23 22:02	JLC
Antimony	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Barium	0.17	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 22:02	JLC
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 22:02	JLC
Calcium	130	0.50	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Chromium	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Cobalt	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Copper	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Iron	8.3	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Magnesium	8.2	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Manganese	0.88	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	9/5/23	9/6/23 12:19	AAJ
Nickel	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Potassium	3.7	2.0	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Silver	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Sodium	71	2.0	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Thallium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH
Zinc	0.18	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:27	MJH

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Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: MWC-1W Sampled: 8/29/2023 12:15

Sample ID: 23H4431-04

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Antimony	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Arsenic	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Barium	0.15	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Beryllium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Cadmium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Calcium	130	1.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Chromium	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Cobalt	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Copper	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Iron	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Lead	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Magnesium	8.0	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Manganese	0.66	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	9/8/23	9/20/23 12:53	AAJ
Nickel	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Potassium	ND	4.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Selenium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/24/23 17:24	NC
Silver	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Sodium	71	4.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Thallium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC
Vanadium	ND	0.020	mg/L	1	M-08	SW-846 6010D	9/19/23	9/24/23 17:24	NC
Zinc	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:04	NC

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Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: MWC-1S Sampled: 8/29/2023 13:15

Sample ID: 23H4431-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/26/23 22:08	JLC
Antimony	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Barium	0.052	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 22:08	JLC
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 22:08	JLC
Calcium	120	0.50	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Chromium	0.065	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Cobalt	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Copper	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Iron	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Magnesium	4.6	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Manganese	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	9/5/23	9/6/23 12:21	AAJ
Nickel	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Potassium	ND	2.0	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Silver	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Sodium	ND	2.0	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Thallium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH
Zinc	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:32	MJH

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Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: MWC-1S Sampled: 8/29/2023 13:15

Sample ID: 23H4431-05

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Antimony	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Arsenic	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Barium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Beryllium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Cadmium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Calcium	110	1.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Chromium	0.064	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Cobalt	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Copper	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Iron	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Lead	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Magnesium	4.5	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Manganese	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	9/8/23	9/20/23 12:54	AAJ
Nickel	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Potassium	ND	4.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Selenium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/24/23 17:42	NC
Silver	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Sodium	ND	4.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Thallium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC
Vanadium	ND	0.020	mg/L	1	M-08	SW-846 6010D	9/19/23	9/24/23 17:42	NC
Zinc	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:09	NC

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Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: MW-14S Sampled: 8/29/2023 15:30

Sample ID: 23H4431-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	2.0	0.050	mg/L	1		SW-846 6010D	9/2/23	9/26/23 22:16	JLC
Antimony	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Arsenic	0.011	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Barium	0.29	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 22:16	JLC
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 22:16	JLC
Calcium	580	0.50	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Chromium	0.013	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Cobalt	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Copper	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Iron	2.9	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Magnesium	28	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Manganese	1.5	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Mercury	0.00027	0.00020	mg/L	1		SW-846 7470A	9/5/23	9/6/23 12:22	AAJ
Nickel	0.022	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Potassium	2.9	2.0	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Silver	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Sodium	260	2.0	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Thallium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH
Zinc	0.025	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:48	MJH

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Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: MW-14S Sampled: 8/29/2023 15:30

Sample ID: 23H4431-06

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.12	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Antimony	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Arsenic	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Barium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Beryllium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Cadmium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Calcium	140	1.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Chromium	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Cobalt	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Copper	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Iron	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Lead	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Magnesium	4.5	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Manganese	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	9/8/23	9/20/23 12:56	AAJ
Nickel	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Potassium	ND	4.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Selenium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/24/23 17:48	NC
Silver	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Sodium	250	4.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Thallium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC
Vanadium	ND	0.020	mg/L	1	M-08	SW-846 6010D	9/19/23	9/24/23 17:48	NC
Zinc	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:15	NC

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Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: Duplicate Sampled: 8/29/2023 00:00

Sample ID: 23H4431-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.32	0.050	mg/L	1		SW-846 6010D	9/2/23	9/26/23 22:24	JLC
Antimony	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Arsenic	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Barium	0.060	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Beryllium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 22:24	JLC
Cadmium	ND	0.0040	mg/L	1		SW-846 6010D	9/2/23	9/26/23 22:24	JLC
Calcium	130	0.50	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Chromium	0.099	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Cobalt	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Copper	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Iron	1.2	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Lead	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Magnesium	6.3	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Manganese	0.10	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	9/5/23	9/6/23 12:29	AAJ
Nickel	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Potassium	ND	2.0	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Selenium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Silver	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Sodium	ND	2.0	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Thallium	ND	0.050	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Vanadium	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH
Zinc	ND	0.010	mg/L	1		SW-846 6010D	9/2/23	9/4/23 16:54	MJH

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Project Location: NYS Rt 51, West Winfield, NY Sample Description: Work Order: 23H4431

Date Received: 8/31/2023

Field Sample #: Duplicate Sampled: 8/29/2023 00:00

Sample ID: 23H4431-07

Sample Matrix: Ground Water

Metals Analyses (Dissolved)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Antimony	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Arsenic	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Barium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Beryllium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Cadmium	ND	0.0080	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Calcium	110	1.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Chromium	0.040	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Cobalt	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Copper	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Iron	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Lead	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Magnesium	4.6	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Manganese	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	9/8/23	9/20/23 12:58	AAJ
Nickel	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Potassium	ND	4.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Selenium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/24/23 17:53	NC
Silver	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Sodium	ND	4.0	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Thallium	ND	0.10	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC
Vanadium	ND	0.020	mg/L	1	M-08	SW-846 6010D	9/19/23	9/24/23 17:53	NC
Zinc	ND	0.020	mg/L	1		SW-846 6010D	9/19/23	9/20/23 15:20	NC

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Sample Extraction Data

Prep Method:SW-846 3005A **Analytical Method:SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23H4431-01 [MW-6S]	B350922	50.0	50.0	09/02/23
23H4431-02 [MW-5S]	B350922	50.0	50.0	09/02/23
23H4431-03 [MW-11S]	B350922	50.0	50.0	09/02/23
23H4431-04 [MWC-1W]	B350922	50.0	50.0	09/02/23
23H4431-05 [MWC-1S]	B350922	50.0	50.0	09/02/23
23H4431-06 [MW-14S]	B350922	50.0	50.0	09/02/23
23H4431-07 [Duplicate]	B350922	50.0	50.0	09/02/23

Prep Method:SW-846 3005A Dissolved **Analytical Method:SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23H4431-01 [MW-6S]	B352382	25.0	50.0	09/19/23
23H4431-02 [MW-5S]	B352382	25.0	50.0	09/19/23
23H4431-03 [MW-11S]	B352382	25.0	50.0	09/19/23
23H4431-04 [MWC-1W]	B352382	25.0	50.0	09/19/23
23H4431-05 [MWC-1S]	B352382	25.0	50.0	09/19/23
23H4431-06 [MW-14S]	B352382	25.0	50.0	09/19/23
23H4431-07 [Duplicate]	B352382	25.0	50.0	09/19/23

Prep Method:SW-846 7470A Prep **Analytical Method:SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23H4431-01 [MW-6S]	B350976	10.0	10.0	09/05/23
23H4431-02 [MW-5S]	B350976	10.0	10.0	09/05/23
23H4431-03 [MW-11S]	B350976	10.0	10.0	09/05/23
23H4431-04 [MWC-1W]	B350976	10.0	10.0	09/05/23
23H4431-05 [MWC-1S]	B350976	10.0	10.0	09/05/23
23H4431-06 [MW-14S]	B350976	10.0	10.0	09/05/23
23H4431-07 [Duplicate]	B350976	10.0	10.0	09/05/23

Prep Method:SW-846 7470A Dissolved **Analytical Method:SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23H4431-01 [MW-6S]	B351401	10.0	10.0	09/08/23
23H4431-02 [MW-5S]	B351401	10.0	10.0	09/08/23
23H4431-03 [MW-11S]	B351401	10.0	10.0	09/08/23
23H4431-04 [MWC-1W]	B351401	10.0	10.0	09/08/23
23H4431-05 [MWC-1S]	B351401	10.0	10.0	09/08/23
23H4431-06 [MW-14S]	B351401	10.0	10.0	09/08/23
23H4431-07 [Duplicate]	B351401	10.0	10.0	09/08/23

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B350922 - SW-846 3005A										
Blank (B350922-BLK1)				Prepared: 09/02/23 Analyzed: 09/04/23						
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Calcium	ND	0.50	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	ND	0.010	mg/L							
Blank (B350922-BLK2)				Prepared: 09/02/23 Analyzed: 09/26/23						
Aluminum	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
LCS (B350922-BS1)				Prepared: 09/02/23 Analyzed: 09/04/23						
Antimony	0.504	0.050	mg/L	0.500		101	80-120			
Arsenic	0.497	0.010	mg/L	0.500		99.3	80-120			
Barium	0.525	0.050	mg/L	0.500		105	80-120			
Calcium	3.98	0.50	mg/L	4.00		99.5	80-120			
Chromium	0.516	0.010	mg/L	0.500		103	80-120			
Cobalt	0.517	0.010	mg/L	0.500		103	80-120			
Copper	1.01	0.010	mg/L	1.00		101	80-120			
Iron	3.97	0.050	mg/L	4.00		99.3	80-120			
Lead	0.516	0.010	mg/L	0.500		103	80-120			
Magnesium	3.88	0.050	mg/L	4.00		97.1	80-120			
Manganese	0.487	0.010	mg/L	0.500		97.5	80-120			
Nickel	0.526	0.010	mg/L	0.500		105	80-120			
Potassium	4.19	2.0	mg/L	4.00		105	80-120			
Selenium	0.514	0.050	mg/L	0.500		103	80-120			
Silver	0.554	0.010	mg/L	0.500		111	80-120			
Sodium	4.22	2.0	mg/L	4.00		105	80-120			
Thallium	0.492	0.050	mg/L	0.500		98.4	80-120			
Vanadium	0.514	0.010	mg/L	0.500		103	80-120			
Zinc	1.05	0.010	mg/L	1.00		105	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B350922 - SW-846 3005A											
LCS (B350922-BS2)				Prepared: 09/02/23 Analyzed: 09/26/23							
Aluminum	0.513	0.050	mg/L	0.500		103		45.3-154.7			
Beryllium	0.523	0.0040	mg/L	0.500		105		80-120			
Cadmium	0.510	0.0040	mg/L	0.500		102		80-120			
LCS Dup (B350922-BSD1)				Prepared: 09/02/23 Analyzed: 09/04/23							
Antimony	0.497	0.050	mg/L	0.500		99.5		80-120	1.23	20	
Arsenic	0.490	0.010	mg/L	0.500		98.0		80-120	1.35	20	
Barium	0.521	0.050	mg/L	0.500		104		80-120	0.900	20	
Calcium	4.03	0.50	mg/L	4.00		101		80-120	1.30	20	
Chromium	0.511	0.010	mg/L	0.500		102		80-120	1.02	20	
Cobalt	0.511	0.010	mg/L	0.500		102		80-120	1.17	20	
Copper	1.00	0.010	mg/L	1.00		100		80-120	0.809	20	
Iron	4.08	0.050	mg/L	4.00		102		80-120	2.58	20	
Lead	0.511	0.010	mg/L	0.500		102		80-120	0.895	20	
Magnesium	3.97	0.050	mg/L	4.00		99.2		80-120	2.14	20	
Manganese	0.498	0.010	mg/L	0.500		99.6		80-120	2.20	20	
Nickel	0.521	0.010	mg/L	0.500		104		80-120	0.942	30	
Potassium	4.20	2.0	mg/L	4.00		105		80-120	0.0842	20	
Selenium	0.504	0.050	mg/L	0.500		101		80-120	1.81	20	
Silver	0.548	0.010	mg/L	0.500		110		80-120	1.06	20	
Sodium	4.20	2.0	mg/L	4.00		105		80-120	0.566	20	
Thallium	0.481	0.050	mg/L	0.500		96.1		80-120	2.33	20	
Vanadium	0.509	0.010	mg/L	0.500		102		80-120	0.954	20	
Zinc	1.04	0.010	mg/L	1.00		104		80-120	1.72	20	
LCS Dup (B350922-BSD2)				Prepared: 09/02/23 Analyzed: 09/26/23							
Aluminum	0.518	0.050	mg/L	0.500		104		45.3-154.7	0.849	30	
Beryllium	0.524	0.0040	mg/L	0.500		105		80-120	0.188	20	
Cadmium	0.503	0.0040	mg/L	0.500		101		80-120	1.41	20	
Matrix Spike (B350922-MS2)		**Source: 23H4431-01**		Prepared: 09/02/23 Analyzed: 09/04/23							
Antimony	0.520	0.050	mg/L	0.500	ND	104		75-125			
Arsenic	0.515	0.010	mg/L	0.500	ND	103		75-125			
Barium	0.638	0.050	mg/L	0.500	0.114	105		75-125			
Calcium	120	0.50	mg/L	4.00	111	**225**	*	75-125			MS-19
Chromium	0.516	0.010	mg/L	0.500	ND	103		75-125			
Cobalt	0.506	0.010	mg/L	0.500	ND	101		75-125			
Copper	1.02	0.010	mg/L	1.00	ND	102		75-125			
Iron	7.40	0.050	mg/L	4.00	3.18	106		75-125			
Lead	0.504	0.010	mg/L	0.500	ND	101		75-125			
Magnesium	17.8	0.050	mg/L	4.00	13.4	111		75-125			
Manganese	1.23	0.010	mg/L	0.500	0.704	105		75-125			
Nickel	0.513	0.010	mg/L	0.500	ND	103		75-125			
Potassium	7.79	2.0	mg/L	4.00	3.55	106		75-125			
Selenium	0.508	0.050	mg/L	0.500	ND	102		75-125			
Silver	0.537	0.010	mg/L	0.500	ND	107		75-125			
Sodium	56.6	2.0	mg/L	4.00	49.8	**171**	*	75-125			MS-19
Thallium	0.513	0.050	mg/L	0.500	ND	103		75-125			
Vanadium	0.519	0.010	mg/L	0.500	ND	104		75-125			
Zinc	1.02	0.010	mg/L	1.00	ND	102		75-125			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B350922 - SW-846 3005A											
Matrix Spike (B350922-MS4)		**Source: 23H4431-01**		Prepared: 09/02/23 Analyzed: 09/26/23							
Aluminum	0.527	0.050	mg/L	0.500	ND	105		75-125			
Beryllium	0.526	0.0040	mg/L	0.500	ND	105		75-125			
Cadmium	0.513	0.0040	mg/L	0.500	ND	103		75-125			
Matrix Spike Dup (B350922-MSD2)		**Source: 23H4431-01**		Prepared: 09/02/23 Analyzed: 09/04/23							
Antimony	0.513	0.050	mg/L	0.500	ND	103		75-125	1.31	20	
Arsenic	0.511	0.010	mg/L	0.500	ND	102		75-125	0.814	20	
Barium	0.621	0.050	mg/L	0.500	0.114	101		75-125	2.79	20	
Calcium	118	0.50	mg/L	4.00	111	**189**	*	75-125	1.22	20	MS-19
Chromium	0.504	0.010	mg/L	0.500	ND	101		75-125	2.36	20	
Cobalt	0.494	0.010	mg/L	0.500	ND	98.9		75-125	2.22	20	
Copper	0.995	0.010	mg/L	1.00	ND	99.5		75-125	2.37	20	
Iron	7.43	0.050	mg/L	4.00	3.18	106		75-125	0.381	20	
Lead	0.498	0.010	mg/L	0.500	ND	99.6		75-125	1.20	20	
Magnesium	17.7	0.050	mg/L	4.00	13.4	108		75-125	0.724	20	
Manganese	1.23	0.010	mg/L	0.500	0.704	106		75-125	0.176	20	
Nickel	0.502	0.010	mg/L	0.500	ND	100		75-125	1.99	20	
Potassium	7.52	2.0	mg/L	4.00	3.55	99.0		75-125	3.54	20	
Selenium	0.507	0.050	mg/L	0.500	ND	101		75-125	0.286	20	
Silver	0.511	0.010	mg/L	0.500	ND	102		75-125	4.88	20	
Sodium	54.1	2.0	mg/L	4.00	49.8	108		75-125	4.53	20	
Thallium	0.498	0.050	mg/L	0.500	ND	99.6		75-125	3.01	20	
Vanadium	0.508	0.010	mg/L	0.500	ND	102		75-125	2.30	20	
Zinc	0.998	0.010	mg/L	1.00	ND	99.8		75-125	1.92	20	
Matrix Spike Dup (B350922-MSD4)		**Source: 23H4431-01**		Prepared: 09/02/23 Analyzed: 09/26/23							
Aluminum	0.517	0.050	mg/L	0.500	ND	103		75-125	1.98	20	
Beryllium	0.529	0.0040	mg/L	0.500	ND	106		75-125	0.527	20	
Cadmium	0.511	0.0040	mg/L	0.500	ND	102		75-125	0.337	20	
Batch B350976 - SW-846 7470A Prep											
Blank (B350976-BLK1)				Prepared: 09/05/23 Analyzed: 09/06/23							
Mercury	ND	0.00020	mg/L								
LCS (B350976-BS1)				Prepared: 09/05/23 Analyzed: 09/06/23							
Mercury	0.00412	0.00020	mg/L	0.00402		102		80-120			
LCS Dup (B350976-BSD1)				Prepared: 09/05/23 Analyzed: 09/06/23							
Mercury	0.00410	0.00020	mg/L	0.00402		102		80-120	0.363	20	
Matrix Spike (B350976-MS1)		**Source: 23H4431-01**		Prepared: 09/05/23 Analyzed: 09/06/23							
Mercury	0.00408	0.00020	mg/L	0.00402	ND	101		75-125			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B350976 - SW-846 7470A Prep										
Matrix Spike Dup (B350976-MSD1)		**Source: 23H4431-01**		Prepared: 09/05/23 Analyzed: 09/06/23						
Mercury	0.00412	0.00020	mg/L	0.00402	ND	102	75-125	0.893	20	

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B351401 - SW-846 7470A Dissolved										
Blank (B351401-BLK1)				Prepared: 09/08/23 Analyzed: 09/20/23						
Mercury	ND	0.00020	mg/L							
LCS (B351401-BS1)				Prepared: 09/08/23 Analyzed: 09/20/23						
Mercury	0.00444	0.00020	mg/L	0.00402		110	80-120			
LCS Dup (B351401-BSD1)				Prepared: 09/08/23 Analyzed: 09/20/23						
Mercury	0.00437	0.00020	mg/L	0.00402		109	80-120	1.54	20	
Matrix Spike (B351401-MS1)		**Source: 23H4431-01**		Prepared: 09/08/23 Analyzed: 09/20/23						
Mercury	0.00417	0.00020	mg/L	0.00402	ND	104	75-125			
Matrix Spike Dup (B351401-MSD1)		**Source: 23H4431-01**		Prepared: 09/08/23 Analyzed: 09/20/23						
Mercury	0.00438	0.00020	mg/L	0.00402	ND	109	75-125	4.94	20	
Batch B352382 - SW-846 3005A Dissolved										
Blank (B352382-BLK1)				Prepared: 09/19/23 Analyzed: 09/20/23						
Aluminum	ND	0.10	mg/L							
Antimony	ND	0.10	mg/L							
Arsenic	ND	0.020	mg/L							
Barium	ND	0.10	mg/L							
Beryllium	ND	0.0080	mg/L							
Cadmium	ND	0.0080	mg/L							
Calcium	ND	1.0	mg/L							
Chromium	ND	0.020	mg/L							
Cobalt	ND	0.020	mg/L							
Copper	ND	0.020	mg/L							
Iron	ND	0.10	mg/L							
Lead	ND	0.020	mg/L							
Magnesium	ND	0.10	mg/L							
Manganese	ND	0.020	mg/L							
Nickel	ND	0.020	mg/L							
Potassium	ND	4.0	mg/L							
Silver	ND	0.020	mg/L							
Sodium	ND	4.0	mg/L							
Thallium	ND	0.10	mg/L							
Zinc	ND	0.020	mg/L							
Blank (B352382-BLK2)				Prepared: 09/19/23 Analyzed: 09/24/23						
Selenium	ND	0.10	mg/L							
Vanadium	ND	0.020	mg/L							

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B352382 - SW-846 3005A Dissolved										
LCS (B352382-BS1)				Prepared: 09/19/23 Analyzed: 09/20/23						
Aluminum	0.506	0.10	mg/L	0.500		101	80-120			
Antimony	0.528	0.10	mg/L	0.500		106	80-120			
Arsenic	0.519	0.020	mg/L	0.500		104	80-120			
Barium	0.545	0.10	mg/L	0.500		109	80-120			
Beryllium	0.557	0.0080	mg/L	0.500		111	80-120			
Cadmium	0.550	0.0080	mg/L	0.500		110	80-120			
Calcium	4.08	1.0	mg/L	4.00		102	80-120			
Chromium	0.536	0.020	mg/L	0.500		107	80-120			
Cobalt	0.539	0.020	mg/L	0.500		108	80-120			
Copper	1.01	0.020	mg/L	1.00		101	80-120			
Iron	3.99	0.10	mg/L	4.00		99.8	80-120			
Lead	0.532	0.020	mg/L	0.500		106	80-120			
Magnesium	3.99	0.10	mg/L	4.00		99.7	80-120			
Manganese	0.495	0.020	mg/L	0.500		99.0	80-120			
Nickel	0.554	0.020	mg/L	0.500		111	80-120			
Potassium	4.31	4.0	mg/L	4.00		108	80-120			
Silver	0.581	0.020	mg/L	0.500		116	80-120			
Sodium	4.15	4.0	mg/L	4.00		104	80-120			
Thallium	0.506	0.10	mg/L	0.500		101	80-120			
Zinc	1.12	0.020	mg/L	1.00		112	80-120			
LCS (B352382-BS2)				Prepared: 09/19/23 Analyzed: 09/24/23						
Selenium	0.533	0.10	mg/L	0.500		107	80-120			
Vanadium	0.520	0.020	mg/L	0.500		104	80-120			
LCS Dup (B352382-BSD1)				Prepared: 09/19/23 Analyzed: 09/20/23						
Aluminum	0.529	0.10	mg/L	0.500		106	80-120	4.35	20	
Antimony	0.538	0.10	mg/L	0.500		108	80-120	1.81	20	
Arsenic	0.530	0.020	mg/L	0.500		106	80-120	2.09	20	
Barium	0.550	0.10	mg/L	0.500		110	80-120	0.916	20	
Beryllium	0.561	0.0080	mg/L	0.500		112	80-120	0.858	20	
Cadmium	0.560	0.0080	mg/L	0.500		112	80-120	1.70	20	
Calcium	4.12	1.0	mg/L	4.00		103	80-120	1.03	20	
Chromium	0.542	0.020	mg/L	0.500		108	80-120	1.07	20	
Cobalt	0.544	0.020	mg/L	0.500		109	80-120	0.943	20	
Copper	1.03	0.020	mg/L	1.00		103	80-120	1.50	20	
Iron	4.12	0.10	mg/L	4.00		103	80-120	3.04	20	
Lead	0.539	0.020	mg/L	0.500		108	80-120	1.29	20	
Magnesium	4.05	0.10	mg/L	4.00		101	80-120	1.62	20	
Manganese	0.505	0.020	mg/L	0.500		101	80-120	1.92	20	
Nickel	0.560	0.020	mg/L	0.500		112	80-120	1.02	20	
Potassium	4.36	4.0	mg/L	4.00		109	80-120	1.15	20	
Silver	0.590	0.020	mg/L	0.500		118	80-120	1.46	20	
Sodium	4.13	4.0	mg/L	4.00		103	80-120	0.469	20	
Thallium	0.518	0.10	mg/L	0.500		104	80-120	2.39	20	
Zinc	1.13	0.020	mg/L	1.00		113	80-120	1.25	20	

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B352382 - SW-846 3005A Dissolved											
LCS Dup (B352382-BSD2)				Prepared: 09/19/23 Analyzed: 09/24/23							
Selenium	0.535	0.10	mg/L	0.500		107		80-120	0.294	20	
Vanadium	0.519	0.020	mg/L	0.500		104		80-120	0.229	20	
Matrix Spike (B352382-MS1)		**Source: 23H4431-01**		Prepared: 09/19/23 Analyzed: 09/20/23							
Aluminum	0.545	0.10	mg/L	0.500	ND	109		75-125			
Antimony	0.550	0.10	mg/L	0.500	ND	110		75-125			
Arsenic	0.538	0.020	mg/L	0.500	ND	108		75-125			
Barium	0.641	0.10	mg/L	0.500	0.104	107		75-125			
Beryllium	0.549	0.0080	mg/L	0.500	ND	110		75-125			
Cadmium	0.551	0.0080	mg/L	0.500	ND	110		75-125			
Calcium	115	1.0	mg/L	4.00	111	114		75-125			MS-19
Chromium	0.533	0.020	mg/L	0.500	ND	107		75-125			
Cobalt	0.528	0.020	mg/L	0.500	ND	106		75-125			
Copper	1.02	0.020	mg/L	1.00	ND	102		75-125			
Iron	4.34	0.10	mg/L	4.00	ND	109		75-125			
Lead	0.527	0.020	mg/L	0.500	ND	105		75-125			
Magnesium	18.0	0.10	mg/L	4.00	13.4	116		75-125			
Manganese	1.20	0.020	mg/L	0.500	0.640	113		75-125			
Nickel	0.535	0.020	mg/L	0.500	ND	107		75-125			
Potassium	7.52	4.0	mg/L	4.00	3.62	97.3		75-125			
Silver	0.580	0.020	mg/L	0.500	ND	116		75-125			
Sodium	50.7	4.0	mg/L	4.00	49.9	**19.0**	*	75-125			MS-19
Thallium	0.524	0.10	mg/L	0.500	ND	105		75-125			
Zinc	1.08	0.020	mg/L	1.00	0.00957	107		75-125			
Matrix Spike (B352382-MS2)		**Source: 23H4431-01**		Prepared: 09/19/23 Analyzed: 09/24/23							
Selenium	0.563	0.10	mg/L	0.500	ND	113		75-125			
Vanadium	0.525	0.020	mg/L	0.500	ND	105		75-125			
Matrix Spike Dup (B352382-MSD1)		**Source: 23H4431-01**		Prepared: 09/19/23 Analyzed: 09/20/23							
Aluminum	0.509	0.10	mg/L	0.500	ND	102		75-125	6.74	20	
Antimony	0.546	0.10	mg/L	0.500	ND	109		75-125	0.791	20	
Arsenic	0.536	0.020	mg/L	0.500	ND	107		75-125	0.330	20	
Barium	0.654	0.10	mg/L	0.500	0.104	110		75-125	1.98	20	
Beryllium	0.562	0.0080	mg/L	0.500	ND	112		75-125	2.37	20	
Cadmium	0.555	0.0080	mg/L	0.500	ND	111		75-125	0.814	20	
Calcium	117	1.0	mg/L	4.00	111	**161**	*	75-125	1.61	20	MS-19
Chromium	0.541	0.020	mg/L	0.500	ND	108		75-125	1.47	20	
Cobalt	0.534	0.020	mg/L	0.500	ND	107		75-125	1.22	20	
Copper	1.03	0.020	mg/L	1.00	ND	103		75-125	1.08	20	
Iron	4.00	0.10	mg/L	4.00	ND	99.9		75-125	8.33	20	
Lead	0.530	0.020	mg/L	0.500	ND	106		75-125	0.609	20	
Magnesium	17.7	0.10	mg/L	4.00	13.4	108		75-125	1.73	20	
Manganese	1.15	0.020	mg/L	0.500	0.640	102		75-125	4.47	20	
Nickel	0.537	0.020	mg/L	0.500	ND	107		75-125	0.367	20	
Potassium	8.08	4.0	mg/L	4.00	3.62	111		75-125	7.25	20	
Silver	0.587	0.020	mg/L	0.500	ND	117		75-125	1.12	20	
Sodium	55.5	4.0	mg/L	4.00	49.9	**139**	*	75-125	9.05	20	MS-19
Thallium	0.525	0.10	mg/L	0.500	ND	105		75-125	0.220	20	
Zinc	1.09	0.020	mg/L	1.00	0.00957	108		75-125	1.37	20	

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QUALITY CONTROL

Metals Analyses (Dissolved) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B352382 - SW-846 3005A Dissolved										
Matrix Spike Dup (B352382-MSD2)	**Source: 23H4431-01**			Prepared: 09/19/23 Analyzed: 09/24/23						
Selenium	0.554	0.10	mg/L	0.500	ND	111	75-125	1.61	20	
Vanadium	0.540	0.020	mg/L	0.500	ND	108	75-125	2.86	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
M-08	The interference check sample was outside of control limits. Data validation is not affected since the sample result is "not detected" and the bias is on the high side.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010D in Water	
Aluminum	CT,NH,NY,ME,VA,NC
Aluminum	CT,NY,NH,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,NC,VA
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	MA,NY,CT,NH,NC,ME,VA
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,NC,ME,VA
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,NC,VA
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,NC,ME,VA
Chromium	CT,NH,NY,ME,NC,VA
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,NC,ME,VA
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,NC,VA
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,NC,VA
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,NC,ME,VA
Magnesium	CT,NH,NY,NC,ME,VA
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,NC,VA
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,NC,VA
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,NC,VA
Selenium	CT,NH,NY,ME,NC,VA
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,NC,VA
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,NC,ME,VA
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,RI,NC,VA
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,NC,VA
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,NC,VA
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
RI	Rhode Island Department of Health	LAO00373	12/30/2023
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

23H4431
KAM

ALL SHADED AREAS are for LAB USE ONLY

Company: Precision Environmental Services	Billing Information: NYSDEC Call Out 144516
Address: 831 Rt 67, Ballston Spa, NY 12020	
Report To: NYSDEC, Mark Domaracki	Email To: Ouderkirk and Neumann
Copy To: Brian Neumann	Site Collection Info/Address: NYS Rt 51, West Winfield, NY
Customer Project Name/Number: Hiteman Leather Co, Site No. C360143A	State: NY County/City: Herkimer/W. Winfield Time Zone Collected: **East**
Phone: 518-885-4399 Email: bneumann@pesnyinc.com	Site/Facility ID #:
Collected By (print): Pat Sokolowski	Purchase Order # : Quote #:
Collected By (signature):	Turnaround Date Required: **Standard**
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [ ] No

DW PWS ID #:

DW Location Code:

Immediately Packed on Ice: [X] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [X] No

Analysis: _____

Container Preservative Type **: 1 U

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

	Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: 6010 and 7470	Analyses: 6010 and 7470
1	MW-6S	GW	G		0935				6	X	X
2	MW-5S	GW	G		1030				2	X	X
3	MW-11S	GW	G		1115				2	X	X
4	MWC-1W	GW	G		1215				2	X	X
5	MWC-1S	GW	G		1315				2	X	X
6	MW-14S	GW	G		1530				2	X	X
7	Duplicate	GW	G		-				2	X	X

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:
MS/MSD collected at MW-6S

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: ___o
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time: 8/30/23 825	Received by/Company: (Signature)	Date/Time: 8/30/23 825
Relinquished by/Company: (Signature) PACE	Date/Time: 8/30/23 1600	Received by/Company: (Signature) 2.4°C	Date/Time: 0711 8-31-23
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

Table of Contents

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Precision Environmental Services

Project Hiteman Leather

MCP/RCP Required N/A

Deliverable Package Requirement N/A

Location N'ls Rt 51, West Winfield, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time AAM/8-31-23/0711

Back-Sheet By / Date / Time AAM/8-31-23/0829

Temperature Method Temp. Gun # 5

Temp ✓ < 6° C Actual Temperature 2.4°C

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

collection date is not on COC but is on the sample labels

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☑	☐
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑ AAM

All Samples Proper pH: N/A ☑ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Qualtrax ID: 120836

DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist	Pace ANALYTICAL SERVICES
Effective Date: 07/13/2023	

Sample	Soils Jars (Circle Amb/Clear)				Ambers					Plastics									VOA Vials					Other / Fill in					
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter			250mL		100mL	1 Liter		500mL		250mL														
					Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact				
1														2					3										
2																			-										
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Quaitrax ID: 120836