



**Department of
Environmental
Conservation**

KATHY HOCHUL
Governor

SEAN MAHAR
Interim Commissioner

February 20, 2025

Jeffrey M. Stanek
ITT Corporation
56 Technology Drive
Irvine, California 92618

Re: Site Management
Periodic Review Report
Goulds Pumps Cobalt Site
Site No.: C850012
Seneca Falls (T), Seneca (C)

Dear Mr. Stanek:

The New York State Department of Environmental Conservation (Department) has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: June 1, 2023, to May 31, 2024. Based on the information presented, the Department accepts the PRR and associated Certification.

The frequency of Periodic Reviews for this Site is annually, with the next PRR due on June 30, 2025. As a courtesy, you may receive a reminder letter and updated certification form 45 days prior to the due date. Please note that regardless of receipt of this reminder letter, the PRR and certification must be submitted by the due date.

If you have any questions or concerns regarding this letter or need further assistance with the Site, please feel free to contact me at (585) 226-5349 or via email at Joshua.Ramsey@dec.ny.gov.

Sincerely,

Joshua J. Ramsey
Project Manager

Ec:
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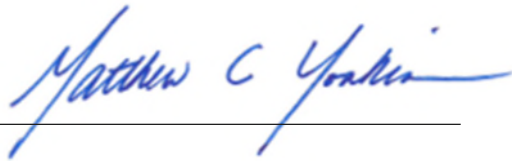
New York State Department of Environmental
Conservation

ANNUAL 2024 GROUNDWATER MONITORING AND SAMPLING AND PERIODIC REVIEW REPORT

Goulds Pumps Cobalt Site

Site No. C850012

June 30, 2024



**GOULDS PUMPS
COBALT SITE
ANNUAL 2024
GROUNDWATER
MONITORING AND
SAMPLING AND
PERIODIC REVIEW
REPORT**

Site Number C850012

Prepared for:

Ms. Charlotte Theobald

Site Manager

New York State Department of Environmental Conservation – Region 8

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Our Ref.:

01257CBT.2024

Date:

June 30, 2024

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ACRONYMS AND ABBREVIATIONS

Arcadis	Arcadis of New York, Inc.
BCP	Brownfield Cleanup Program
CLP	Contract Laboratory Protocol
COC	Certificate of Completion
DUSR	Data Usability Summary Report
EC	Engineering Control
ELAP	Environmental Lab Approval Program
EWP	Excavation Work Plan
ft bgs	Feet below ground surface
IC	Institutional Control
NWSA	Northwest Storage Area
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	Polychlorinated biphenyl
PRR	Periodic Review Report
RI	Remedial Investigation
SCO	Site Cleanup Objective
Site	Goulds Pumps Cobalt Site (NYSDEC Site Number: C850012)
SMP	Site Management Plan
SVOC	Semi-volatile Organic Compound
TCL	Target Compound List
TIC	Tentatively Identified Compound
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

This document for the Goulds Pumps Cobalt Site (the Site) (NYSDEC Site Number C850012) has been developed by Arcadis of New York, Inc. (Arcadis) on behalf of ITT and in accordance with the Site Management Plan (SMP) (O'Brien & Gere Engineers, Inc., 2014) prepared as part of the remedial program implemented at the Cobalt Site under the New York State (NYS) Brownfield Cleanup Program (BCP) and administered by the New York State Department of Environmental Conservation (NYSDEC). Consistent with previous years, this document combines the Annual 2022 Groundwater Monitoring and Sampling Report with the Periodic Review Report (PRR).

This combined report documents the annual groundwater monitoring results and the findings and observations associated with the monitoring program for the Site for the reporting period June 1, 2023 to May 31, 2024. During the reporting period, only one well had detections greater than NYSDEC Class GA groundwater standards.

2024 ANNUAL GROUNDWATER MONITORING AND SAMPLING

The SMP requires that the Cobalt Site and its groundwater monitoring well network be inspected on an annual basis. Additionally, groundwater monitoring was implemented on a semi-annual basis for the first three years following the approval of the Certificate of Completion (COC) in 2014 and is now conducted annually. This report represents the annual 2024 sampling event, conducted on May 28, and May 29, 2024.

No significant changes in groundwater conditions were observed during the 2024 groundwater monitoring and inspection event. The next groundwater sampling event for the Cobalt Site is anticipated to occur in April 2025.

PERIODIC REVIEW REPORT

Based on previous, pre-remediation investigations, the soil and groundwater at the Site were found to have been impacted with volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), inorganics, pesticides, and polychlorinated biphenyls (PCBs). As a result of the Remedial Investigation (RI) conducted in 2014 and 2015, the SMP (O'Brien & Gere Engineers, Inc., 2014) summarizes the following remedial actions that were performed:

- Multiple soil excavation events performed in an effort to remove impacted soils that exceeded Site Cleanup Objectives (SCOs).
- Placement of supplemental cover over impacted soils and fill materials subsequent to new building construction.
- Construction and maintenance of a soil cover system.
- Restriction of land use with an Environmental Easement.
- Inspections, maintenance, and reporting associated with the installed covers.
- Development and implementation of the SMP.

The SMP has established measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate impacts at the Site (O'Brien & Gere Engineers, Inc., 2014). The following summarizes these measures:

- Soil cover system monitoring
- Groundwater monitoring
- Site-wide inspection

This PRR provides details on the monitoring and inspection activities performed between June 1, 2023 and May 31, 2024 as well as providing conclusions and recommendations for moving forward with management of this Site.

At the time of this PRR, no changes to the SMP are recommended and these management measures should be continued.

1 SITE OVERVIEW

1.1 Location and Features

The Site is an 11.4-acre parcel located at 240 Fall Street, Seneca Falls, NY 13148. This is a rural area in Seneca County and adjacent to the Village of Seneca Falls. New York State Department of Environmental Conservation (NYSDEC) (2016) has a detailed Site Record for this Site. The Seneca County Tax Map has this property Section, Block, and Lot defined as 09-1-04.11 (O'Brien & Gere Engineers, Inc. 2014). A description of the neighboring properties/land types is as follows:

- North: New York State Electric and Gas substation
- South: Residential/Commercial structures and the Seneca River
- West: former ITT Goulds Pumps closed landfill (Inactive Hazardous Waste Disposal Site Number: 850002)
- East: Goulds Pumps Facility Site (Brownfield Cleanup Program ID Number C850013)

Key features of the Site area are:

- Building 900 – known as the Project Cobalt building
- Building 605
- Hazardous Waste Storage Area – known as the Northwest Storage Area (NWSA)
- Parking lot
- Chip Storage Building (Building 318)

Figure 1 presents the Site, neighboring boundaries, and features.

1.2 Site History and Remediation

According to the Site Record (NYSDEC, 2016), Goulds Pumps began operation in the mid-19th century as a manufacturer of industrial, agricultural, and consumer pumps. Goulds purchased the current Site property in 1898 and manufacturing began at the Site in 1904. In 1997, Goulds Pumps was acquired by ITT.

The remediation history at this Site is summarized below from the Site Record (NYSDEC, 2016):

- Property-wide Phase I Environmental Site Assessment was conducted in 1999.
- Property-wide Phase II groundwater survey was conducted between 2006 and 2007.
- A Brownfield Cleanup Agreement (BCA) was originally executed in October 2004 for the NWSA. A BCA amendment was executed in June 2014 which established the Goulds Pumps Cobalt Site (C850012).
- NWSA Soil Removal.
- Project Cobalt Soil Remediation.
- Implementation of Engineering Controls (ECs), consisting of a protective cover system.
- The Certificate of Completion (COC) for the Site was executed on December 30, 2014 and leaves the Site under Site Management.

Following the completion of the remedial actions, the NYSDEC-approved SMP (O'Brien & Gere Engineers, Inc. 2014) was developed to guide the monitoring of the Site.

2 REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

The purpose of the remedial actions conducted at the Site, is to protect human health and the environment from any remaining impacted soil and groundwater beneath the Site, as described in the NYSDEC-approved SMP (O'Brien & Gere Engineers, Inc., 2014).

Exposure to the remaining impacted materials is prevented by the ECs consisting of a Site-wide soil cover system. This soil cover system includes a variety of surface media, including asphalt (pavement), topsoil/grass, riprap, concrete, gravel, and a cap comprised of various stone, granular fill and geotextile demarcation layer for the NWSA cap. This cover system also includes the buildings and sidewalk areas that have been developed for the facility operations.

The NYSDEC-approved SMP (O'Brien & Gere Engineers, Inc., 2014) specifies three Institutional Controls (ICs) that are required to be met:

- Implement, maintain, and monitor EC systems.
- Prevent future exposure to remaining impact by controlling disturbances of the subsurface impact.
- Limit the use and development of the Site to industrial purposes only.

As noted above, ECs were implemented as part of the remedy. The inspections and groundwater monitoring that are actively taking place fulfill the maintenance and monitoring aspects of the first requirement.

The prevention of future exposure by controlling disturbances of the subsurface impact is established with the Excavation Work Plan (EWP) developed as part of the NYSDEC-approved SMP (O'Brien & Gere Engineers, Inc., 2014). The SMP states:

"any work that will penetrate the soil cover/cap, or encounter or disturb the remaining contamination, including any modifications or repairs to the existing cover system will be performed in accordance with the Excavation Work Plan that is attached as Appendix E to this SMP" (O'Brien & Gere Engineers, Inc., 2014)

Lastly, the limitation of use and development at the Site is controlled by the Environmental Easement that was placed on the Site deed for current and future owners. This action fulfills the third requirement established by the NYSDEC-approved SMP.

Based on current Site management practices, including inspections, groundwater monitoring, and the Environmental Easement that has been put in place for the Site, the remedies have withstood the Site conditions (weather, etc.) and have been performing as they were intended.

The following sections provide details and documentation associated with the Site inspections and groundwater monitoring program during the reporting period.

3 OPERATION AND MAINTENANCE / SITE INSPECTION

The ECs and ICs that have been implemented for the Site are required to protect human health as well as the environment. This section describes the EC/IC at the Site and the monitoring/inspection activities taking place to verify their continued effectiveness.

Since investigations and remedial actions began at the Site, the areas/caps/covers have had various identifiers. Table 1 below presents a list of the ECs installed at the Site and references the areas and past identifiers. A visual representation of the specific areas was included as Figure 2-1 in the NYSDEC-approved SMP (O'Brien & Gere Engineers, Inc. 2014).

Table 1. Engineering Controls

Inspection Form Cap/Cover Area	Cap/Cover Type	Description
A1	Pavement	Parking lot south of Building 900
A2		Heavy Duty pavement north of Building 900
A3		Pavement along southeast of Building 318 (SGW-14 Cover)
B1	Topsoil/Grass	Stormwater Filtration and Management System topsoil/grass area
B2		Topsoil/grass area bordering Building 900 on south side
C1	Riprap Spillway	Riprap that is part of the Stormwater Filtration and Management System
C2		
C3		
C4		
C5		Riprap slope protection area on the southeastern side of Building 900
D1 – D12	Concrete	Concrete pads located around Building 900
E1	Gravel	Gravel area west of Building 900
E2		Gravel area east of Building 900
E3		Gravel area north of Building 900/southwest of Building 318
E4		Gravel area south of Building 605 (B-02/SB-T3D and SB-T3F Cover)
E5		Gravel area between NWSA and northwest of Building 318 (SBRI-17 Cover)
F	NWSA Cap	NWSA Cap Area

The following subsections discuss the observations during inspections conducted at the Site during the reporting period June 1, 2023, to May 31, 2024. The inspections monitor the cap/cover types listed above and the Site Fence that borders the neighboring landfill area (west of the Site), as well as providing for a general inspection of the conditions of the monitoring well network.

Site inspection forms are included in Appendix A of this report. In general, the condition of the Cobalt Site is acceptable and well maintained. Specific areas of the Site inspection are outlined below.

3.1 Pavement Areas

The inspected pavement areas of the site are in acceptable condition. Consistent with previous inspection events, no evidence of significant settlement, erosion or cracking was observed.

3.2 Topsoil/Grass Areas

Areas of topsoil and grass were observed and inspected for areas of concerns including erosion, ponded water, settlement, and damage from burrowing animals. The topsoil and grass areas continue to be well-maintained and the conditions are acceptable.

3.3 Riprap Areas

The riprap spillway areas located southwest of Building 900 and east of the closed landfill were inspected and continue to be in acceptable condition. No evidence of significant erosion, missing cover material, areas of settlement or ponded water, or damage from burrowing animals was observed. The riprap slope protection area on the southeastern side of Building 900 is also inspected during these annual events and found to be in acceptable condition.

3.4 Concrete Areas

Concrete areas surrounding Building 900 were inspected and found to be in good condition. As noted during previous inspection events, some minor cracks were observed, but no extensive cracking that would limit the functionality of the concrete areas was observed. No significant areas of ponded water were observed in the concrete area adjacent to Building 900 during the 2Q 2024 inspection event.

3.5 Gravel Areas

Gravel areas surrounding Building 900 were inspected and found to be in satisfactory condition. No significant areas of settlement or erosion were observed in the gravel areas adjacent to Building 900 during the site inspection.

3.6 Northwest Storage Area Cap

The NWSA Cap was inspected for evidence of erosion, cap integrity, excessive or unwanted vegetation, areas of ponded water and settlement, and damage from burrowing animals. In general, the NWSA Cap was in satisfactory condition during the site inspection event.

3.7 Site Fence

The fence along the western portion of the Cobalt Site adjacent to the Closed Landfill was inspected for obvious damage and large holes. During the inspection event the fence appeared to be in good condition and was functioning as designed.

3.8 Monitoring Well Network

In general, the monitoring well network is in acceptable condition, with groundwater sampling and groundwater level measurement activities were able to be effectively performed. A well inspection form is included in Appendix A of this report. As indicated in the well inspection forms, no maintenance is needed at this time.

4 GROUNDWATER MONITORING PROGRAM

The NYSDEC-approved SMP required that a groundwater monitoring program be implemented on a semi-annual basis for the first three years following the approval of the COC, and annually thereafter. Semi-annual monitoring occurred in 2015, 2016 and 2017. Since 2018, the Site monitoring program has been conducted on a once per year basis.

The groundwater monitoring program is conducted in an effort to monitor the continued reduction of localized residual impact in the groundwater around the NWSA of the Site. Additionally, this monitoring provides an understanding of the flow potentials at the Site (O'Brien & Gere Engineers, Inc., 2014).

The groundwater monitoring network is comprised of 17 wells (TW-02 was abandoned with approval from the Department in 2015), generally focused on monitoring the shallow silt and clay up to 20 feet below ground surface (ft bgs). There is also a cluster of three wells that monitor the shallow silt and clay, the intermediate sandy silt layer (53 to 58 ft bgs) and the bedrock (87.5 to 89.5 ft bgs) (O'Brien & Gere Engineers, Inc., 2014). Figure 2 presents the monitoring well locations for the Site.

4.1 Water Levels and Hydraulic Gradients

Depths to groundwater were measured at 17 monitoring wells at the Cobalt Site (Table 2 and Figure 2) in May, 2024. These water level measurements are consistent with previous monitoring events. A potentiometric contour map was generated with the shallow (overburden) wells and is included as Figure 2. As shown in Figure 2, groundwater in the vicinity of the Cobalt Site generally flows south towards Fall Street which is consistent with previous potentiometric maps prepared for the Cobalt Site using shallow groundwater levels.

4.2 Groundwater Sampling

The NYSDEC-approved SMP requires 9 groundwater monitoring wells (MW-18SR, MW-19SR, MW-24S, MW-26S, MW-34, MW-35, MW-36, TW-BRW-01R, and TW-BRW-01S) to be sampled once per year starting in 2018 for analysis of Target Compound List (TCL) volatile organic compounds (VOCs) by EPA Method 8260C plus tentatively identified compounds (TICs) and polychlorinated biphenyls (PCBs) by EPA Method 8082A. All 9 wells were sampled during the 2024 annual groundwater monitoring event.

Groundwater samples were submitted under routine chain-of-custody protocols to Alpha Analytical, a New York State Department of Health Environmental Lab Approval Program Contract Laboratory Protocol (NYSDOH ELAP CLP) certified laboratory in Westborough, MA for analysis. The laboratory report and chains of custody are included in Appendix B. The TCL VOCs by EPA Method 8260C plus TICs and PCBs by EPA Method 8082A analytical data from the sampling event are summarized in Table 3 and Table 4, respectively. Field parameters were measured during sampling of the monitoring wells. These parameters are shown on the field sampling logs included in Appendix C.

4.3 Groundwater Sampling Results

Groundwater sampling was conducted on May 28 and May 29, 2024.

Table 5 below summarizes the well locations and compounds that were detected at concentrations greater than NYSDEC Class GA groundwater standards during this reporting period.

Table 5. Groundwater Exceedances Summary

Monitoring Well	Second Quarter 2024
TW/BRW-01R	1,1-dichloroethane 1,1-dichloroethene

A figure illustrating compounds detected in groundwater samples is included as Figure 3. Concentrations of 1,1,1-trichloroethane, 1,1-dichloroethane, and 1,1-dichloroethene were detected in groundwater sampled from MW-18SR. Estimated concentrations of 1,4-dichlorobenzene below NYSDEC Class GA groundwater standards were detected in MW-19SR. In addition to those shown in Table 5, concentrations of 1,2-dichloroethane (estimated), and benzene were detected at TW/BRW-01R. Estimated concentrations of 1,1,1-trichloroethane and 1,1-dichloroethene were also detected at MW-24S.

In accordance with the NYSDEC-approved SMP, the next groundwater sampling event for the Cobalt Site will be conducted during the second quarter of 2025.

4.4 Data Validation

A data usability summary report (DUSR) was prepared by Data Validation Services of North Creek, New York and is included in Appendix D. In general, the data are usable as reported or with minor qualifications. These qualifications, where applicable, have been incorporated in Tables 3 and 4 and on Figure 3.

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

The NYSDEC-approved SMP is working effectively at the Cobalt Site. Site conditions have been generally consistent and have only required minimal maintenance. The groundwater conditions have also been generally consistent between the monitoring events. Concentrations of commonly detected VOCs at MW-18SR, MW-19SR, MW-24S and TW/BRW-01R were within the range of historical values at these locations. There does not appear to be observations or sampling results indicating it is necessary to change Site management activities currently.

5.2 Recommendations

The recommendation is to proceed with the inspections and monitoring as specified in the NYSDEC-approved SMP (O'Brien & Gere Engineers, Inc., 2014). In accordance with the NYSDEC-approved SMP beginning in 2018, the groundwater sampling event is now conducted once per year and the PRR and annual reports have been combined into a single document. The 2024 PRR and annual report follows the same submission structure. If there are no changes in Site conditions that warrant a change in the groundwater monitoring and Site inspection frequency described in the NYSDEC-approved SMP (O'Brien & Gere Engineers, Inc., 2014), ITT will continue to combine the Annual Groundwater Monitoring and Sampling and PRR report due to the NYSDEC by June 30th each year.

6 SUMMARY AND CERTIFICATION

See Appendix E for the completed NYSDEC Certifications.

7 REFERENCES

New York State Department of Environmental Conservation. 2016. Environmental Site Remediation Database Search Details. Site Number C850012. Available online at:

<http://www.dec.ny.gov/cfm/xtapps/derexternal/index.cfm?pageid=3>.

O'Brien & Gere Engineers, Inc. 2014. Site Management Plan: Goulds Pumps Cobalt Site. NYSDEC Site Number: C850012. Prepared for ITT Corporation.

FIGURES





0 90 180 360 540 720 Feet

Legend

- Closed Landfill
- Approximate NWSA Boundary
- Approximate Site Boundary



GOULDS PUMPS COBALT SITE
240 FALL STREET
SENECA FALLS, NEW YORK
NYSDEC SITE NO. C850012

SITE LOCATION AND FEATURES



FIGURE

1

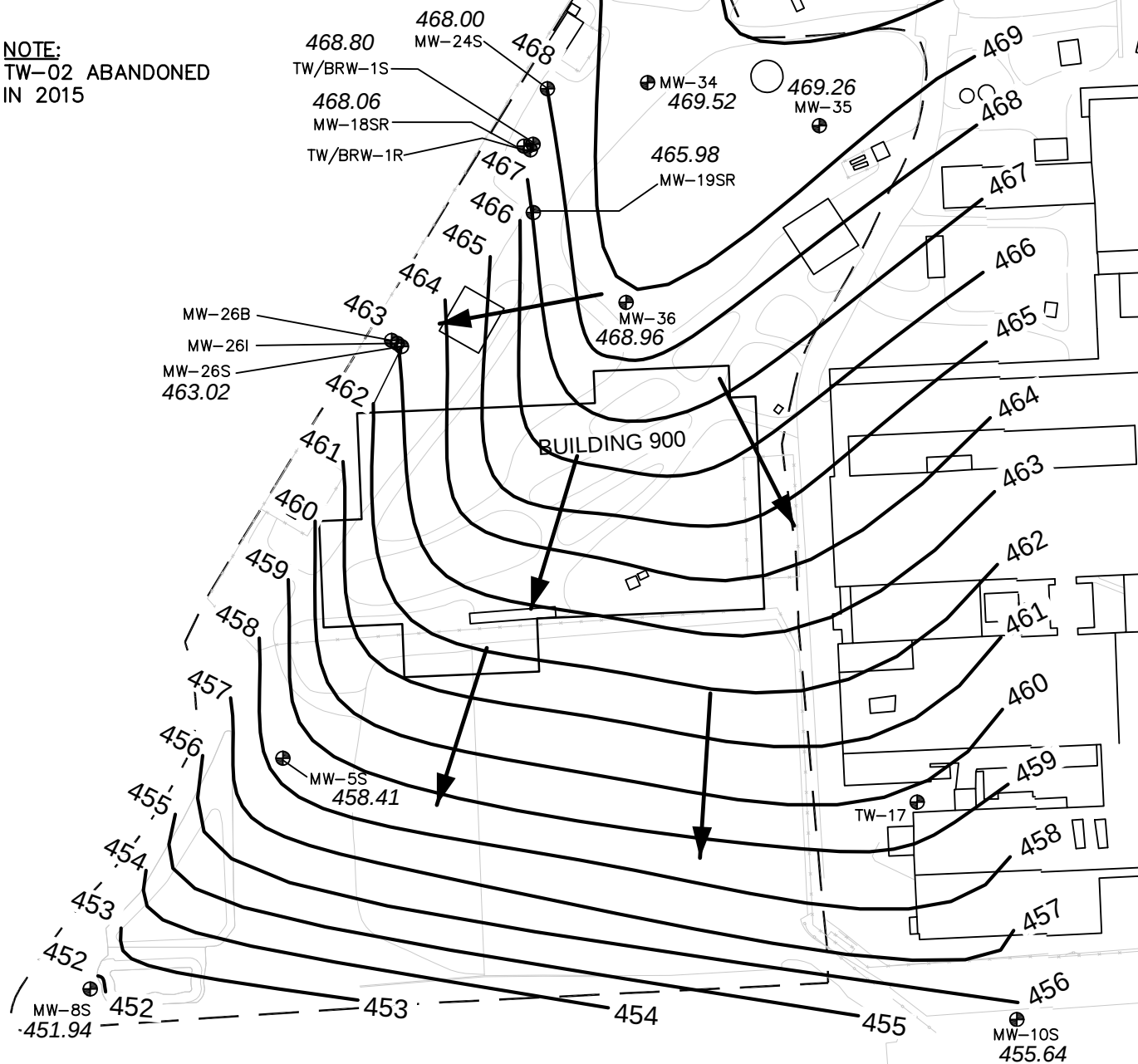
USER: AGIBSON FILENAME: \\ARCADIS-US.COM\OFFICEDATA\CLIFTONPARK-NY\ACAD\PROJ\01257117.0000\FIGURES\COBALT POT MAP-MAY 2024.DWG SAVE DATE: 6/17/2024 3:30 PM PLOT DATE: 6/17/2024 3:30 PM

LEGEND

- MW-1S,R,T FILL, OVERBURDEN
 MONITORING WELL
- MW-26B DEEP MONITORING WELL
- 471.25 GROUNDWATER ELEVATION
 (FT. AMSL)

- 460 POTENTIOMETRIC CONTOUR
- ← APPROXIMATE GROUNDWATER
 FLOW DIRECTION

NOTE:
TW-02 ABANDONED
IN 2015



75 0 75 150
SCALE: 1" = 150'



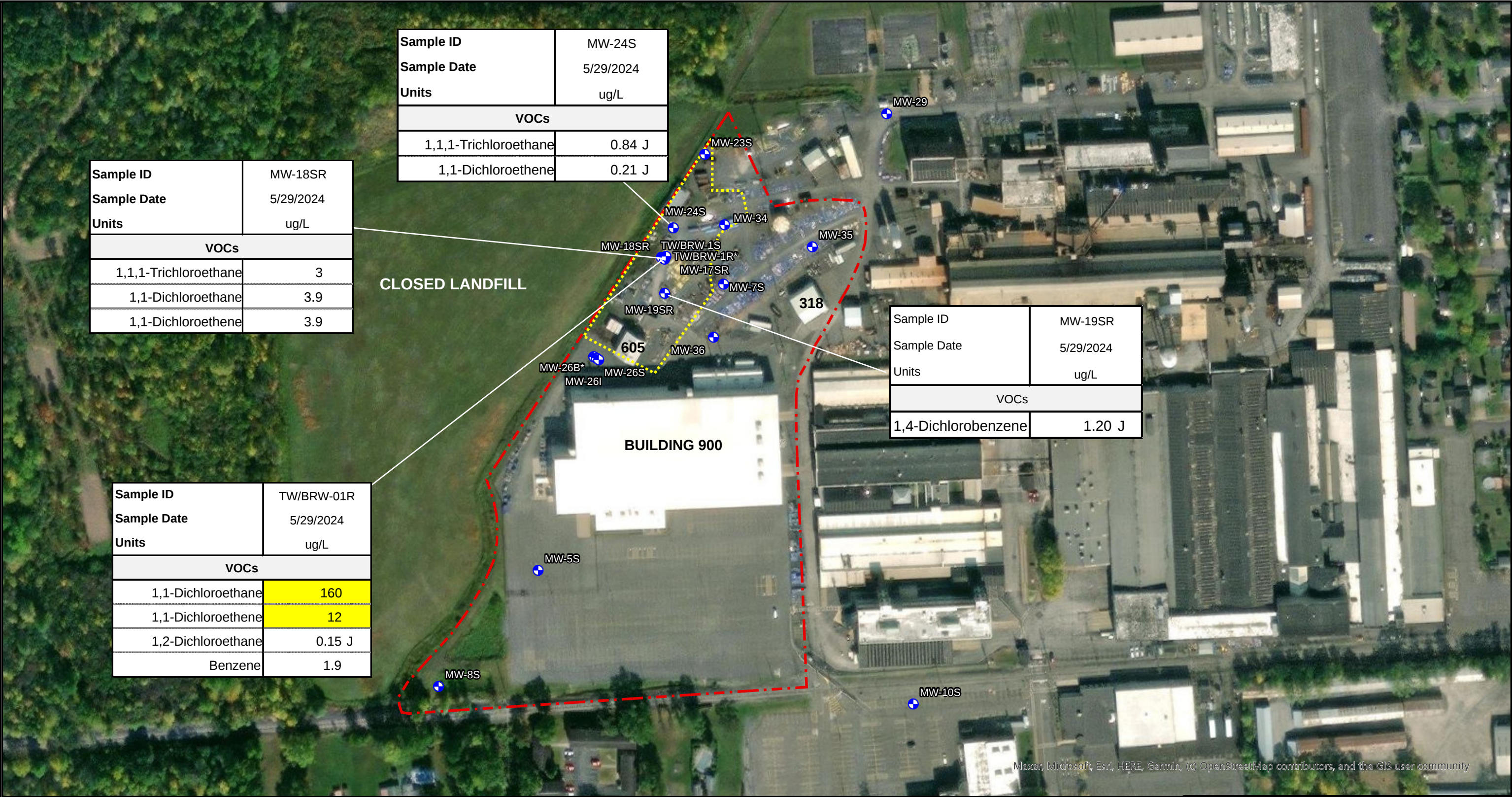
GOULDS PUMPS COBALT SITE
240 FALL STREET
SENECA FALLS, NEW YORK
NYSDEC SITE NO. C850012

SITE PLAN &
POTENTIOMETRIC MAP

SCALE: AS SHOWN

MAY 2024
FIGURE 2

Document Path: \\arcadis-us.com\app\GIS\Processing\ ENV\NYSDEC\Goulds Pumps\Goulds Pumps.aprx

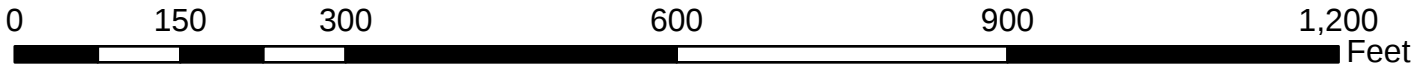


Sample ID	MW-18SR
Sample Date	5/29/2024
Units	ug/L
VOCs	
1,1,1-Trichloroethane	3
1,1-Dichloroethane	3.9
1,1-Dichloroethene	3.9

Sample ID	MW-24S
Sample Date	5/29/2024
Units	ug/L
VOCs	
1,1,1-Trichloroethane	0.84 J
1,1-Dichloroethene	0.21 J

Sample ID	MW-19SR
Sample Date	5/29/2024
Units	ug/L
VOCs	
1,4-Dichlorobenzene	1.20 J

Sample ID	TW/BRW-01R
Sample Date	5/29/2024
Units	ug/L
VOCs	
1,1-Dichloroethane	160
1,1-Dichloroethene	12
1,2-Dichloroethane	0.15 J
Benzene	1.9



Legend

- Monitoring Well
- NWSA (Approximate)
- Approximate Site Boundary

Note: J - Estimated below laboratory reporting limit.
Highlighted concentrations exceed NYSDEC Class GA Standard



GOULDS PUMPS COBALT SITE
240 FALL STREET
SENECA FALLS, NEW YORK
NYSDEC SITE NO. C850012

SUMMARY OF VALIDATED VOC & PCB
DETECTIONS IN GROUNDWATER

ARCADIS

FIGURE
3

TABLES



Table 2
Summary of Water Levels
Goulds Pumps - Cobalt Site
Seneca Falls, NY

Well ID	Northing	Easting	Ground Elevation (ft amsl)	Top of Riser Elevation (ft amsl)	Measuring Point Elevation (ft amsl)	Hydrogeologic Screen Interval	Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level	
							5/26/2015		11/11/2015		5/10/2016		12/05/2016	
							(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)
MW-5S	1061227.0	758514.8	463.5	466.1	462.98	Silt & Clay	4.77	458.21	5.02	457.96	4.92	458.06	4.76	458.22
MW-7S	1061753.4	758856.1	469.4	471.8	471.77	Silt & Clay	4.52	467.25	4.51	467.26	4.4	467.37	4.04	467.73
MW-8S	1061009.8	759205.1	458.4	460.9	460.85	Silt & Clay	DRY	NA	8.81	452.04	8.85	452.00	8.79	452.06
MW-10S	1060981.2	759205.1	458.1	458.09	457.42	Silt & Clay	1.77	455.65	1.92	455.50	1.88	455.54	1.68	455.74
MW-18SR	1061802.7	758741.5	470.9	470.5	470.54	Silt & Clay	2.78	467.76	2.73	467.81	2.75	467.79	2.59	467.95
MW-19SR	1061736.6	758747.7	470.2	469.7	469.66	Silt & Clay	2.60	467.06	2.91	466.75	2.63	467.03	2.18	467.48
MW-23S	1061992.2	758821.4	473.2	475.4	475.36	Silt & Clay	6.27	469.09	4.45	470.91	5.74	469.62	4.85	470.51
MW-24S	1061856.9	758763.6	471.5	471.1	471.11	Silt & Clay	3.05	468.06	2.93	468.18	2.9	468.21	2.71	468.40
MW-26B*	1061620	758617.1	467.1	469.4	469.35	Bedrock	22.36	446.99	23.31	446.04	22.6	446.75	24.45	444.90
MW-26I	1061617.3	758622.2	467.3	469.2	469.22	Sand & Silt	23.25	445.97	24.08	445.14	23.41	445.81	25.06	444.16
MW-26S	1061614.3	758626.3	467.6	469.5	469.52	Silt & Clay	7.46	462.06	6.62	462.90	6.73	462.79	6.74	462.78
MW-29	1062066.7	759156.3	474.9	474.9	474.6	Silt & Clay	4.64	469.96	4.41	470.19	4.28	470.32	3.78	470.82
MW-34	1061862.504	758857.8706	471.57	471.10	471.55	Silt & Clay	1.94	NA	2.00	469.55	2.04	469.51	1.90	469.65
MW-35	1061821.951	759019.4162	471.12	470.95	471.18	Silt & Clay	1.68	NA	1.88	469.30	1.69	469.49	1.81	469.37
MW-36	1061655.772	758837.6341	469.58	469.25	469.56	Silt & Clay	7.00	NA	6.56	463.00	3.71	465.85	1.58	467.98
TW/BRW-1S	1061799.3	758747.5	470.7	470.5	470.49	Silt & Clay	NM***	NM	3.18	467.31	NM***	NA	NM***	NA
TW/BRW-1R*	1061804.5	758750	470.7	470.4	470.39	Bedrock	23.20	447.19	24.17	446.22	23.4	446.99	25.38	445.01

Notes:

Horizontal Datum: NAD83(CORS) - NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE

Vertical Datum: North American Vertical Datum of 1988 (NAVD88)

TW-02 was abandoned in 2015

CNL - Could Not Locate

ft amsl - feet above mean sea level ft btoc - feet below top of casing ID - identification

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* Bedrock screened well

** Well is destroyed

*** Monitoring well is 1/2" diameter - water level probe would not fit down well

Table 2
Summary of Water Levels
Goulds Pumps - Cobalt Site
Seneca Falls, NY

Well ID	Northing	Easting	Ground Elevation (ft amsl)	Top of Riser Elevation (ft amsl)	Measuring Point Elevation (ft amsl)	Hydrogeologic Screen Interval	Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level	
							4/03/2017		12/04/2017		4/23/2018		4/15/2019	
							(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)
MW-5S	1061227.0	758514.8	463.5	466.1	462.98	Silt & Clay	4.32	458.66	5.22	457.76	4.79	458.19	4.38	458.60
MW-7S	1061753.4	758856.1	469.4	471.8	471.77	Silt & Clay	2.90	468.87	4.59	467.18	4.23	467.54	4.20	467.57
MW-8S	1061009.8	759205.1	458.4	460.9	460.85	Silt & Clay	8.24	452.61	8.75	452.10	8.59	452.26	8.60	452.25
MW-10S	1060981.2	759205.1	458.1	458.09	457.42	Silt & Clay	0.69	456.73	2.38	455.04	1.6	455.82	1.93	455.49
MW-18SR	1061802.7	758741.5	470.9	470.5	470.54	Silt & Clay	2.08	468.46	3.41	467.13	3.00	467.54	2.93	467.61
MW-19SR	1061736.6	758747.7	470.2	469.7	469.66	Silt & Clay	1.76	467.90	4.83	464.83	2.33	467.33	2.59	467.07
MW-23S	1061992.2	758821.4	473.2	475.4	475.36	Silt & Clay	4.32	471.04	5.81	469.55	4.86	470.50	4.44	470.92
MW-24S	1061856.9	758763.6	471.5	471.1	471.11	Silt & Clay	1.14	469.97	3.23	467.88	2.90	468.21	2.82	468.29
MW-26B*	1061620	758617.1	467.1	469.4	469.35	Bedrock	21.88	447.47	22.93	446.42	22.03	447.32	23.72	445.63
MW-26I	1061617.3	758622.2	467.3	469.2	469.22	Sand & Silt	22.89	446.33	23.77	445.45	22.99	446.23	22.63	446.59
MW-26S	1061614.3	758626.3	467.6	469.5	469.52	Silt & Clay	6.24	463.28	6.68	462.84	6.47	463.05	6.46	463.06
MW-29	1062066.7	759156.3	474.9	474.9	474.6	Silt & Clay	3.26	471.34	4.28	470.32	3.7	470.90	3.46	471.14
MW-34	1061862.504	758857.8706	471.57	471.10	471.55	Silt & Clay	1.84	469.71	2.17	469.38	1.93	469.62	1.95	469.60
MW-35	1061821.951	759019.4162	471.12	470.95	471.18	Silt & Clay	1.10	470.08	1.86	469.32	1.57	469.61	1.75	469.43
MW-36	1061655.772	758837.6341	469.58	469.25	469.56	Silt & Clay	3.05	466.51	3.30	466.26	2.01	467.55	2.68	466.88
TW/BRW-1S	1061799.3	758747.5	470.7	470.5	470.49	Silt & Clay	1.90	468.59	1.98	468.51	3.06	467.43	2.94	467.55
TW/BRW-1R*	1061804.5	758750	470.7	470.4	470.39	Bedrock	22.71	447.68	23.79	446.60	22.9	447.49	22.61	447.78

Notes:

Horizontal Datum: NAD83(CORS) - NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE

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Table 2
Summary of Water Levels
Goulds Pumps - Cobalt Site
Seneca Falls, NY

Well ID	Northing	Easting	Ground Elevation (ft amsl)	Top of Riser Elevation (ft amsl)	Measuring Point Elevation (ft amsl)	Hydrogeologic Screen Interval	Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level	
							3/30/2020		3/22/2021		4/11/2022		4/11/2023		5/28/2024	
							(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)
MW-5S	1061227.0	758514.8	463.5	466.1	462.98	Silt & Clay	4.11	458.87	4.53	458.45	4.54	458.44	4.41	458.57	4.57	458.41
MW-7S	1061753.4	758856.1	469.4	471.8	471.77	Silt & Clay	3.86	467.91	4.26	467.51	4.04	467.73	3.75	468.02	4.36	467.41
MW-8S	1061009.8	759205.1	458.4	460.9	460.85	Silt & Clay	8.49	452.36	8.61	452.24	8.56	452.29	8.28	452.57	8.91	451.94
MW-10S	1060981.2	759205.1	458.1	458.09	457.42	Silt & Clay	1.13	456.29	1.95	455.47	1.48	455.94	1.12	456.30	1.78	455.64
MW-18SR	1061802.7	758741.5	470.9	470.5	470.54	Silt & Clay	2.36	468.18	2.83	467.71	2.10	468.44	2.37	468.17	2.48	468.06
MW-19SR	1061736.6	758747.7	470.2	469.7	469.66	Silt & Clay	2.20	467.46	2.43	467.23	2.02	467.64	2.02	467.64	3.68	465.98
MW-23S	1061992.2	758821.4	473.2	475.4	475.36	Silt & Clay	3.88	471.48	5.02	470.34	4.33	471.03	4.50	470.86	6.19	469.17
MW-24S	1061856.9	758763.6	471.5	471.1	471.11	Silt & Clay	2.29	468.82	2.78	468.33	2.40	468.71	2.41	468.70	3.11	468.00
MW-26B*	1061620	758617.1	467.1	469.4	469.35	Bedrock	21.90	447.45	23.33	446.02	20.73	448.62	20.73	448.62	22.62	446.73
MW-26I	1061617.3	758622.2	467.3	469.2	469.22	Sand & Silt	23.07	446.15	NM	NM	21.90	447.32	21.90	447.32	23.74	445.48
MW-26S	1061614.3	758626.3	467.6	469.5	469.52	Silt & Clay	6.27	463.25	6.68	462.84	6.6	462.92	6.62	462.90	6.5	463.02
MW-29	1062066.7	759156.3	474.9	474.9	474.6	Silt & Clay	3.27	471.33	3.77	470.83	3.13	471.47	3.29	471.31	3.35	471.25
MW-34	1061862.504	758857.8706	471.57	471.10	471.55	Silt & Clay	1.90	469.65	1.01	470.54	1.90	469.65	1.81	469.74	2.03	469.52
MW-35	1061821.951	759019.4162	471.12	470.95	471.18	Silt & Clay	1.73	469.45	1.75	469.43	2.05	469.13	1.61	469.57	1.92	469.26
MW-36	1061655.772	758837.6341	469.58	469.25	469.56	Silt & Clay	4.65	464.91	1.71	467.85	1.51	468.05	2.03	467.53	0.60	468.96
TW/BRW-1S	1061799.3	758747.5	470.7	470.5	470.49	Silt & Clay	2.31	468.18	2.32	468.17	2.27	468.22	2.17	468.32	1.69	468.80
TW/BRW-1R*	1061804.5	758750	470.7	470.4	470.39	Bedrock	23.07	447.32	24.22	446.17	21.48	448.91	21.48	448.91	22.5	447.89

Notes:

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* Bedrock screened well

** Well is destroyed

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Table 3
Summary of Validated Analytical Results - VOCs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID Sample Date	NYSDEC Class GA Standard (ug/L)	MW-18SR 5/27/2015	MW-18SR 11/11/2015	MW-18SR 5/10/2016	MW-18SR 12/6/2016	MW-18SR 4/3/2017	MW-18SR 12/5/2017	MW-18SR 4/24/2018	MW-18SR 4/16/2019	MW-18SR 3/31/2020	MW-18SR 3/23/2021	MW-18SR 4/12/2022	MW-18SR 4/4/2023	MW-18SR 5/29/2024
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds														
1,1,1-Trichloroethane	5	14	8.2	9.2	8.6	9.5	34	8.8	130	23	11	27	4	3
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U
1,1-Dichloroethane	5	8.5	5.4	5.2	5.4	8.5	34	5.2	120	24	9.7	24	3.6	3.9
1,1-Dichloroethene	5	11	6.1 J	5	7.4	9.4	35	4.0	120	23	9.5	30	4.1	3.9
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2-Dibromoethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.2 J	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromofom	50*	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Cyclohexane		10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Freon-113		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
pm-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	0.12 J	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total TIC Compounds	--	ND	1.3 J	5.86 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
 U = Compound not detected; laboratory reporting limit shown
 UJ = Compound not detected; associated reported quantitation limit is approximate and may be inaccurate or imprecise.
 J = Estimated concentration less than laboratory reporting limit
 J- = Associated value is estimated and may be biased low
 J+ = Associated value is estimated and may be biased high
 ND = Not Detected
 = Concentration exceeds NYSDEC Class GA Standard
 DUP-MW-X, DUPLICATE collected at MW-35 all other sampling dates except 2023, where it was collected at TW/BRW-01R

Table 3
Summary of Validated Analytical Results - VOCs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID Sample Date	NYSDEC Class GA Standard (ug/L)	MW-19SR 5/27/2015	MW-19SR 11/12/2015	MW-19SR 5/10/2016	MW-19SR 12/6/2016	MW-19SR 4/3/2017	MW-19SR 12/5/2017	MW-19SR 4/24/2018	MW-19SR 4/16/2019	MW-19SR 3/31/2020	MW-19SR 3/22/2021	MW-19SR 4/12/2022	MW-19SR 4/4/2023	MW-19SR 5/29/2024
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds														
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U
1,1-Dichloroethane	5	1.4 J	1.3 J	0.84 J	0.81 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2-Dibromoethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.4 J	1.4 J	1.5 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	4.0	4.0	4.6	1.6 J	1.6 J	2.3 J	1.6 J	1.8 J	1.9 J	0.72 J	0.87 J	0.93 J	1.20 J
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromofom	50*	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ
Bromomethane	5	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	1.4 J	1.6 J	1.6 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Freon-113		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total TIC Compounds	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
 U = Compound not detected; laboratory reporting limit shown
 UJ = Compound not detected; associated reported quantitation limit is approximate and may be inaccurate or imprecise.
 J = Estimated concentration less than laboratory reporting limit
 J- = Associated value is estimated and may be biased low
 J+ = Associated value is estimated and may be biased high
 ND = Not Detected
 = Concentration exceeds NYSDEC Class GA Standard
 DUP-MW-X, DUPLICATE collected at MW-35 all other sampling dates except 2023, where it was collected at TW/BRW-01R

Table 3
Summary of Validated Analytical Results - VOCs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID Sample Date	NYSDEC Class GA Standard (ug/L)	MW-34 5/27/2015	MW-34 11/12/2015	MW-34 5/10/2016	MW-34 12/6/2016	MW-34 4/4/2017	MW-34 12/5/2017	MW-34 4/24/2018	MW-34 4/16/2019	MW-34 3/31/2020	MW-34 3/22/2021	MW-34 4/12/2022	MW-34 4/4/2023	MW-34 5/29/2024
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds														
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2-Dibromoethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.8 J	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromofom	50*	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Cyclohexane		10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Freon-113		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total TIC Compounds	--	ND	1.2 J	3.61 J	ND	ND	ND	ND	ND	1.89 J	ND	ND	ND	ND

NOTES:
 U = Compound not detected; laboratory reporting limit shown
 UJ = Compound not detected; associated reported quantitation limit is approximate and may be inaccurate or imprecise.
 J = Estimated concentration less than laboratory reporting limit
 J- = Associated value is estimated and may be biased low
 J+ = Associated value is estimated and may be biased high
 ND = Not Detected
 = Concentration exceeds NYSDEC Class GA Standard
 DUP-MW-X, DUPLICATE collected at MW-35 all other sampling dates except 2023, where it was collected at TW/BRW-01R

Table 3
Summary of Validated Analytical Results - VOCs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID Sample Date	NYSDEC Class GA Standard (ug/L)	MW-35 5/27/2015	MW-35 11/12/2015	MW-35 5/10/2016	MW-35 12/6/2016	MW-35 4/3/2017	MW-35 12/5/2017	MW-35 4/24/2018	MW-35 4/16/2019	MW-35 3/31/2020	MW-35 3/22/2021	MW-35 4/12/2022	MW-35 4/11/2023	MW-35 5/28/2024
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds														
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2-Dibromoethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.8	5.0 U	5.0 U	5.0 U	16.0 J+
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromotom	50*	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.0 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Cyclohexane		10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Freon-113		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.75 J	2.0 U	2.0 U	2.0 U	2.0 U
Methyl cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-m-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total TIC Compounds	--	ND	ND	3.4 J	ND	ND	ND	ND	ND	2.6 J	ND	ND	ND	ND

NOTES:
 U = Compound not detected; laboratory reporting limit shown
 UJ = Compound not detected; associated reported quantitation limit is approximate and may be inaccurate or imprecise.
 J = Estimated concentration less than laboratory reporting limit
 J+ = Associated value is estimated and may be biased low
 J+ = Associated value is estimated and may be biased high
 ND = Not Detected
 = Concentration exceeds NYSDEC Class GA Standard
 DUP-MW-X, DUPLICATE collected at MW-35 all other sampling dates except 2023, where it was collected at TW/BRW-01R

Table 3
Summary of Validated Analytical Results - VOCs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID Sample Date	NYSDEC Class GA Standard (ug/L)	DUP-X 5/27/2015	DUP-X 11/12/2015	DUPLICATE 5/10/2016	DUPLICATE 12/6/2016	DUPLICATE 4/3/2017	DUP-MW-X 12/5/2017	DUP-MW-X 4/24/2018	DUP 4/16/2019	DUP-20200331 3/31/2020	DUP-20210322-1 3/22/2021	DUP-MW-X 4/12/2022	DUP-MW-X 4/5/2023	DUP-MW-X 5/28/2024
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds														
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.2 J	2.2 J
1,1-Dichloroethene	5	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.47 J	0.47 J
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2-Dibromoethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.1 U	16.0 J+
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromofom	50*	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ
Bromomethane	5	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	1.0 J	1.8 J	1.0 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Freon-113		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p/m-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total TIC Compounds	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown
UJ = Compound not detected; associated reported quantitation limit is approximate and may be inaccurate or imprecise.
J = Estimated concentration less than laboratory reporting limit
+ = Associated value is estimated and may be biased low
J+ = Associated value is estimated and may be biased high
ND = Not Detected

= Concentration exceeds NYSDEC Class GA Standard
DUP-MW-X, DUPLICATE collected at MW-35 all other sampling dates except 2023, where it was collected at TW/BRW-01R

Table 3
Summary of Validated Analytical Results - VOCs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID Sample Date	NYSDEC Class GA Standard (ug/L)	MW-36 5/27/2015	MW-36 11/12/2015	MW-36 5/10/2016	MW-36 12/5/2016	MW-36 4/3/2017	MW-36 12/5/2017	MW-36 4/24/2018	MW-36 4/17/2019	MW-36 3/31/2020	MW-36 3/23/2021	MW-36 4/12/2022	MW-36 4/11/2023	MW-36 5/28/2024
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds														
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2-Dibromoethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromofom	50*	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ
Bromomethane	5	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Cyclohexane		10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Freon-113		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
pm-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.58	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total TIC Compounds	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown
UJ = Compound not detected; associated reported quantitation limit is approximate and may be inaccurate or imprecise.
J = Estimated concentration less than laboratory reporting limit
J- = Associated value is estimated and may be biased low
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= Concentration exceeds NYSDEC Class GA Standard
DUP-MW-X, DUPLICATE collected at MW-35 all other sampling dates except 2023, where it was collected at TW/BRW-01R

Table 3
Summary of Validated Analytical Results - VOCs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID Sample Date	NYSDEC Class GA Standard (ug/L)	TW/BRW-01S 5/27/2015	TW/BRW-01S 11/13/2015	TW/BRW-01S 5/10/2016	TW/BRW-01S 12/6/2016	TW/BRW-01S 4/3/2017	TW/BRW-01S 12/5/2017	TW/BRW-01S 4/24/2018	TW/BRW-01S 4/17/2019	TW/BRW-01S 3/31/2020	TW/BRW-01S 3/23/2021	TW/BRW-01S 4/12/2022	TW/BRW-01S 4/4/2023	TW/BRW-01S 5/29/2024
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds														
1,1,1-Trichloroethane	5	0.86 J	1.8 J	0.73 J	2.5 U	2.5 U	1.8 J	1.5 J	0.83 J	0.8 J	0.79 J	2.5 U	2.5 U	1.0 J
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U
1,2-Dichloroethane	5	2.1 J	2.0 J	1.4 J	1.8 J	1.4 J	2.5	1.1 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.39 J
1,1-Dichloroethene	5	0.54	0.4 J	0.14 J	0.47 J	0.5 U	0.68	0.41 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	2.9	1.8 J	2.5 U	1 J	1.7 J	0.71 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2-Dibromoethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3	2.5 U	0.81 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.59	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.9 J	1.1 J	1.6 J	1.2 J	1.2 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	3.2	2.3 J	3.5	2.7	2.4 J	1.4 J	0.73 J	2.5 U	2.5 U	2.5 U	0.94 J	2.5 U	2.5 U
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.2 J	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromotoluene	50*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ
Bromomethane	5	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	1.4 J	1.1 J	1.4 J	1.5 J	1.2 J	0.9 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane		2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Freon-113		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-m-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	3.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	2	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total TIC Compounds	--	ND	ND	ND	1.22 J	ND	--	ND	ND	ND	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown
UJ = Compound not detected; associated reported quantitation limit is approximate and may be inaccurate or imprecise.
J = Estimated concentration less than laboratory reporting limit
J- = Associated value is estimated and may be biased low
J+ = Associated value is estimated and may be biased high

ND = Not Detected

= Concentration exceeds NYSDEC Class GA Standard
DUP-MW-X, DUPLICATE collected at MW-35 all other sampling dates except 2023, where it was collected at TW/BRW-01R

Table 3
Summary of Validated Analytical Results - VOCs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID Sample Date	NYSDEC Class GA Standard (ug/L)	MW-24S 5/27/2015	MW-24S 11/1/2015	MW-24S 5/10/2016	MW-24S 12/6/2016	MW-24S 4/4/2017	MW-24S 12/5/2017	MW-24S 4/24/2018	MW-24S 4/17/2019	MW-24S 3/31/2020	MW-24S 3/22/2021	MW-24S 4/12/2022	MW-24S 4/4/2023	MW-24S 5/29/2024
Units	(ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds														
1,1,1-Trichloroethane	5	92	36	95	0.74 J	2.5 U	92	14	20	2.5 U	2.5 U	0.81 J	2.5 U	0.84 J
1,1,2,2-Tetrachloroethane	5	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	3.0 U	1.5 U	3.0 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U
1,2-Dichloroethane	5	86	24	82	2.5 U	2.5 U	54	9.5	21	1 J	2.5 U	1 J	2.5 U	2.5 U
1,1-Dichloroethene	5	33	9.8 J	37	0.24 J	0.5 U	27	4.2	6.5	0.4 J	0.19 J	0.48 J	2.5 U	0.21 J
1,2,3-Trichlorobenzene		5 U	2.5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	5.0 U	2.5 UJ	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2-Dibromoethane	5	4.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	1.0 U	0.5 U	0.32 J	0.5 U	0.5 U	0.23 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	2.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50*	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone		10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.6 J	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane		5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromotoluene	50*	4.0 U	2.0 UJ	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ
Bromomethane	5	5.0 U	2.5 U	5.0 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide		10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane		5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	29	8.0	37	2.5 U	2.5 U	25	3.7	7.0	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloropropene	0.4	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Cyclohexane		20 U	10 U	20 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	10 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Freon-113		5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate		4.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl cyclohexane		20 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert butyl ether	10	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	*	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-m-Xylene	*	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	4.0	1.2	4.9	0.27 J	0.50 U	4.5	0.78	1.1	1.1	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	5.0 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	1.1	0.28 J	1.6	0.5 U	0.5 U	1.2	0.5 U	0.34 J	0.34 J	0.5 U	0.2 J	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	2	1.0 U	1.0 U	0.89 J	1.0 U	1.0 U	0.12 J-	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total TIC Compounds	--	2.8 J	1.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown
UJ = Compound not detected; associated reported quantitation limit is approximate and may be inaccurate or imprecise.
J = Estimated concentration less than laboratory reporting limit
J- = Associated value is estimated and may be biased low
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ND = Not Detected

= Concentration exceeds NYSDEC Class GA Standard
DUP-MW-X, DUPLICATE collected at MW-35 all other sampling dates except 2023, where it was collected at TW/BRW-01R

Table 3
Summary of Validated Analytical Results - VOCs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID Sample Date	NYSDEC Class GA Standard (ug/L)	MW-26S 5/27/2015	MW-26S 11/12/2015	MW-26S 5/10/2016	MW-26S 12/7/2016	MW-26S 4/4/2017	MW-26S 12/5/2017	MW-26S 4/24/2018	MW-26S 4/16/2019	MW-26S 3/31/2020	MW-26S 3/23/2021	MW-26S 4/12/2022	MW-26S 4/4/2023	MW-26S 5/29/2024
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds														
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2-Dibromoethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	5.0 U	9.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.5 J	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromotom	50*	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ
Bromomethane	5	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Freon-113		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.6 J	2.0 U	2.0 U	2.0 U	2.0 U
Methyl cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
pm-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total TIC Compounds	--	ND	3.1 J	ND	ND	ND	--	ND	ND	1.03 J	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown
UJ = Compound not detected; associated reported quantitation limit is approximate and may be inaccurate or imprecise.
J = Estimated concentration less than laboratory reporting limit
J- = Associated value is estimated and may be biased low
J+ = Associated value is estimated and may be biased high
ND = Not Detected

= Concentration exceeds NYSDEC Class GA Standard
DUP-MW-X, DUPLICATE collected at MW-35 all other sampling dates except 2023, where it was collected at TW/BRW-01R

Table 3
Summary of Validated Analytical Results - VOCs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID Sample Date	NYSDEC Class GA Standard (ug/L)	TW/BRW-01R 5/27/2015	TW/BRW-01R 11/13/2015	TW/BRW-01R 5/10/2016	TW/BRW-01R 12/7/2016	TW/BRW-01R 4/4/2017	TW/BRW-01R 12/5/2017	TW/BRW-01R 4/24/2018	TW/BRW-01R 4/17/2019	TW/BRW-01R 3/31/2020	TW/BRW-01R 3/23/2021	TW/BRW-01R 4/11/2022	TW/BRW-01R 4/5/2023	TW/BRW-01R 5/29/2024
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds														
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U
1,1-Dichloroethane	5	1.6 J	78	2.5 U	67	63	2.5 U	2.5 U	100	120	120	150	3.4	160
1,1-Dichloroethene	5	0.5 U	4.0	0.5 U	2.8	3.0	0.5 U	0.5 U	7.1	11	12	14	0.63	12
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2-Dibromoethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.15 J	0.5 U	0.5 U	0.5 U	0.20 J	0.50 U	0.13 J	0.15 J	0.50 U	0.15 J
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	4.4 J	5.0 U	10 U	20	10 U	5.0 U	5.0 U	9.2 J*
Benzene	1	0.5 U	0.42 J	0.5 U	0.54	0.51	0.5 U	0.5 U	0.66	0.7	0.73	1.1	0.5 U	1.9
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoforn	50*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ
Bromomethane	5	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 UJ-	2.5 U	2.5 U
Carbon disulfide		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane		2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Freon-113		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
pIm-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	5.0 U	2.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	2	2.0 U	1.0 UJ	2.0 U	2.0 U	1.1	2.0 U	2.0 U	0.17 J	0.29 J	0.28 J	0.29 J	2.00 U	0.34 J
Total TIC Compounds	--	ND	ND	ND	ND	ND	--	ND	ND	2.74 J	ND	ND	ND	ND

NOTES:
 U = Compound not detected; laboratory reporting limit shown
 UJ = Compound not detected; associated reported quantitation limit is approximate and may be inaccurate or imprecise.
 J = Estimated concentration less than laboratory reporting limit
 J* = Associated value is estimated and may be biased low
 J+ = Associated value is estimated and may be biased high
 ND = Not Detected
 = Concentration exceeds NYSDEC Class GA Standard
 DUP-MW-X, DUPLICATE collected at MW-35 all other sampling dates except 2023, where it was collected at TW/BRW-01R

Table 3
Summary of Validated Analytical Results - VOCs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID Sample Date	NYSDEC Class GA Standard (ug/L)	Field Blank 5/27/2015 ug/L	Field Blank 11/13/2015 ug/L	Field Blank 5/10/2016 ug/L	Field Blank 12/7/2016 ug/L	Field Blank 4/4/2017 ug/L	Field Blank 12/5/2017 ug/L	Field Blank 4/24/2018 ug/L	Field Blank 4/17/2019 ug/L	Field Blank 3/31/2020 ug/L	EquipmentBlank-20210322 3/22/2021 ug/L	Field Blank 4/12/2022 ug/L	Field Blank 4/5/2023 ug/L	Field Blank 5/29/2024 ug/L
Units														
Volatile Organic Compounds														
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 UJ	1.5 UJ
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 J	2.5 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ
1,2-Dibromoethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5.0 U	5.0 U	3.3 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.5 J	3.2 J
2-Hexanone	50*	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	50*	5.0 U	3.7 J	3.7 J	3.2 J	7.4	5.0 U	5.8 J+	5.8	8.1	5.0 U	2.8 J	4.6 J	7.1
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromofom	50*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ
Bromomethane	5	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane		2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Freon-113		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Acetate		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl cyclohexane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl tert butyl ether	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
pim-Xylene	*	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	2	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total TIC Compounds	--	ND	ND	2.87 J	4.27 J	6.25 J	--	4.24 J	10.3 J	4.21 J	ND	ND	2.54 J	2.35 J

NOTES:
U = Compound not detected; laboratory reporting limit shown
UJ = Compound not detected; associated reported quantitation limit is approximate and may be inaccurate or imprecise.
J = Estimated concentration less than laboratory reporting limit
J+ = Associated value is estimated and may be biased low
J+ = Associated value is estimated and may be biased high
ND = Not Detected
= Concentration exceeds NYSDEC Class GA Standard
DUP-MW-X, DUPLICATE collected at MW-35 all other sampling dates except 2023, where it was collected at TW/BRW-01R

Table 3
Summary of Validated Analytical Results - VOCs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID Sample Date	NYSDEC Class GA Standard (ug/L)	Trip Blank 5/27/2015	Trip Blank 5/28/2015	Trip Blank 11/12/2015	Trip Blank 5/10/2016	Trip Blank 12/6/2016	Trip Blank 4/3/2017	Trip Blank 4/24/2018	Trip Blank 4/17/2019	Trip Blank 3/31/2020	Trip Blank-20210322 3/22/2021	Trip Blank 4/11/2022	Trip Blank 4/4/2023	Trip Blank 5/28/2024
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Volatile Organic Compounds														
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene		2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	5	2.5 U	0.5 U	2.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	0.5 U	2.5 U	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
1,2-Dibromoethane	5	2.0 U	0.5 U	2.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	3	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	50	5.0 U	0.5 U	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	50*	5.0 U	0.5 U	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone		5.0 U	0.5 U	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	50*	5.0 U	0.5 U	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	2.2 J	2.6 J	1.5 U	1.5 U	1.5 U	1.5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane		2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoforn	50*	2.0 U	0.5 U	2.0 UJ	0.5 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 U	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ
Bromomethane	5	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Carbon disulfide		5.0 U	0.5 U	5.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	7	2.5 U	0.5 U	2.5 U	0.5 U	0.5 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane		2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane		10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	5.0 U	0.5 U	5.0 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon-113		2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	5	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Acetate		2.0 U	0.5 U	2.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl cyclohexane		10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether	10	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	5	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	*	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
pm-Xylene	*	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	5	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	2	1.0 U	0.5 U	1.0 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Total TIC Compounds	--	ND	ND	ND	ND	ND	3.39 J	3.39 J	ND	ND	ND	ND	ND	ND

NOTES:
 U = Compound not detected; laboratory reporting limit shown
 UJ = Compound not detected; associated reported quantitation limit is approximate and may be inaccurate or imprecise.
 J = Estimated concentration less than laboratory reporting limit
 J- = Associated value is estimated and may be biased low
 J+ = Associated value is estimated and may be biased high
 ND = Not Detected
 = Concentration exceeds NYSDEC Class GA Standard
 DUP-MW-X, DUPLICATE collected at MW-35 all other sampling dates except 2023, where it was collected at TW/BRW-01R

Table 4
Summary of Validated Analytical Results - PCBs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID	NYSDEC	MW-24S	MW-24S	MW-24S	MW-24S	MW-24S	MW-24S	MW-24S	MW-24S	MW-24S	MW-24S	MW-24S	MW-24S	MW-24S
Sample Date	Class GA	5/27/2015	11/11/2015	5/10/2016	12/6/2016	4/4/2017	12/5/2017	4/24/2018	4/17/2019	3/31/2020	3/22/2021	4/12/2022	4/4/2023	5/29/2024
Units	Standard (ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs														
Aroclor 1016	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1221	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1232	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1242	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1248	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1254	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1260	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1262	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1268	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
U = Compound not detected; laboratory reporting limit shown
*Applies to the sum of these compounds.

ND = Not Detected

DUP-X, DUPLICATE collected at MW-35, 2023 collected at TW/BRW-01R

= Concentration exceeds NYSDEC Class GA Standard

Table 4
Summary of Validated Analytical Results - PCBs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID	NYSDEC	MW-26S	MW-26S	MW-26S	MW-26S	MW-26S	MW-26S	MW-26S	MW-26S	MW-26S	MW-26S	MW-26S	MW-26S	MW-26S
Sample Date	Class GA	5/27/2015	11/12/2015	5/10/2016	12/7/2016	4/4/2017	12/5/2017	4/24/2018	4/16/2019	3/31/2020	3/23/2021	4/12/2022	4/4/2023	5/29/2024
Units	Standard (ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs														
Aroclor 1016	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1221	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1232	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1242	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1248	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1254	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1260	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1262	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1268	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
U = Compound not detected; laboratory reporting limit shown
*Applies to the sum of these compounds.
ND = Not Detected
DUP-X, DUPLICATE collected at MW-35, 2023 collected at TW/BRW-01
= Concentration exceeds NYSDEC Class GA Standard

Table 4
Summary of Validated Analytical Results - PCBs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID	NYSDEC	TW/BRW-01R	TW/BRW-01R	TW/BRW-01R	TW/BRW-01R	TW/BRW-01R	TW/BRW-01R	TW/BRW-01R	TW/BRW-01R	TW/BRW-01R	TW/BRW-01R	TW/BRW-01R	TW/BRW-01R	TW/BRW-01R
Sample Date	Class GA	5/27/2015	11/13/2015	5/10/2016	12/7/2016	4/4/2017	12/5/2017	4/24/2018	4/17/2019	3/31/2020	3/23/2021	4/11/2022	4/5/2023	5/29/2024
Units	Standard (ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs														
Aroclor 1016	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1221	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1232	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1242	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1248	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1254	0.09*	0.083 U	0.083 UJ	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1260	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1262	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1268	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
U = Compound not detected; laboratory reporting limit shown
*Applies to the sum of these compounds.
ND = Not Detected
DUP-X, DUPLICATE collected at MW-35, 2023 collected at TW/BRW-01
= Concentration exceeds NYSDEC Class GA Standard

Table 4
Summary of Validated Analytical Results - PCBs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID	NYSDEC	MW-18SR	MW-18SR	MW-18SR	MW-18SR	MW-18SR	MW-18SR	MW-18SR	MW-18SR	MW-18SR	MW-18SR	MW-18SR	MW-18SR	MW-18SR
Sample Date	Class GA	5/27/2015	11/11/2015	5/10/2016	12/6/2016	4/3/2017	12/5/2017	4/24/2018	4/17/2019	3/31/2020	3/23/2021	4/12/2022	4/4/2023	5/29/2024
Units	Standard (ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs														
Aroclor 1016	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1221	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1232	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1242	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1248	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1254	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1260	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1262	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1268	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
U = Compound not detected; laboratory reporting limit shown
*Applies to the sum of these compounds.
ND = Not Detected
DUP-X, DUPLICATE collected at MW-35, 2023 collected at TW/BRW-01
= Concentration exceeds NYSDEC Class GA Standard

Table 4
Summary of Validated Analytical Results - PCBs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID	NYSDEC	MW-19SR	MW-19SR	MW-19SR	MW-19SR	MW-19SR	MW-19SR	MW-19SR	MW-19SR	MW-19SR	MW-19SR	MW-19SR	MW-19SR	MW-19SR
Sample Date	Class GA	5/27/2015	11/12/2015	5/10/2016	12/6/2016	4/3/2017	12/5/2017	4/24/2018	4/16/2019	3/31/2020	3/22/2021	4/12/2022	4/4/2023	5/29/2024
Units	Standard (ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs														
Aroclor 1016	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1221	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1232	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1242	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1248	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1254	0.09*	0.346	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1260	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1262	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1268	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Total PCBs	0.09*	0.346	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
U = Compound not detected; laboratory reporting limit shown
*Applies to the sum of these compounds.
ND = Not Detected
DUP-X, DUPLICATE collected at MW-35, 2023 collected at TW/BRW-01
= Concentration exceeds NYSDEC Class GA Standard

Table 4
Summary of Validated Analytical Results - PCBs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID	NYSDEC	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34	MW-34
Sample Date	Class GA	5/27/2015	11/12/2015	5/10/2016	12/6/2016	4/4/2017	12/5/2017	4/24/2018	4/16/2019	3/31/2020	3/22/2021	4/12/2022	4/4/2022	5/29/2024
Units	Standard (ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs														
Aroclor 1016	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1221	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1232	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1242	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1248	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1254	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1260	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1262	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1268	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
U = Compound not detected; laboratory reporting limit shown
*Applies to the sum of these compounds.
ND = Not Detected
DUP-X, DUPLICATE collected at MW-35, 2023 collected at TW/BRW-01
= Concentration exceeds NYSDEC Class GA Standard

Table 4
Summary of Validated Analytical Results - PCBs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID	NYSDEC	MW-35	MW-35	MW-35	MW-35	MW-35	MW-35	MW-35	MW-35	MW-35	MW-35	MW-35	MW-35	MW-35
Sample Date	Class GA	5/27/2015	11/12/2015	5/10/2016	12/6/2016	4/3/2017	12/5/2017	4/24/2018	4/16/2019	3/31/2020	3/22/2021	4/12/2022	4/11/2023	5/28/2024
Units	Standard (ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs														
Aroclor 1016	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1221	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1232	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1242	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1248	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1254	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1260	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1262	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1268	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
U = Compound not detected; laboratory reporting limit shown
*Applies to the sum of these compounds.
ND = Not Detected
DUP-X, DUPLICATE collected at MW-35, 2023 collected at TW/BRW-01
= Concentration exceeds NYSDEC Class GA Standard

Table 4
Summary of Validated Analytical Results - PCBs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID Sample Date Units	NYSDEC Class GA Standard (ug/L)	DUP-X 5/27/2015 ug/L	DUP-X 11/12/2015 ug/L	DUPLICATE 5/10/2016 ug/L	DUPLICATE 12/6/2016 ug/L	DUPLICATE 4/3/2017 ug/L	DUPLICATE 12/5/2017 ug/L	DUPLICATE 4/24/2018 ug/L	DUPLICATE 4/16/2019 ug/L	DUP-20200331 3/31/2020 ug/L	DUP-20210322-1 3/22/2021 ug/L	DUP-MW-X 4/12/2022 ug/L	DUP-MW-X 4/5/2022 ug/L	DUP-MW-X 5/28/2024 ug/L
PCBs														
Aroclor 1016	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1221	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1232	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1242	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1248	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1254	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1260	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1262	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1268	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
U = Compound not detected; laboratory reporting limit shown
*Applies to the sum of these compounds.
ND = Not Detected
DUP-X, DUPLICATE collected at MW-35, 2023 collected at TW/BRW-01
= Concentration exceeds NYSDEC Class GA Standard

Table 4
Summary of Validated Analytical Results - PCBs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID	NYSDEC	MW-36	MW-36	MW-36	MW-36	MW-36	MW-36	MW-36	MW-36	MW-36	MW-36	MW-36	MW-36	MW-36
Sample Date	Class GA	5/27/2015	11/12/2015	5/10/2016	12/5/2016	4/3/2017	12/5/2017	4/24/2018	4/17/2019	3/31/2020	3/23/2021	4/12/2022	4/11/2023	5/28/2024
Units	Standard (ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs														
Aroclor 1016	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1221	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1232	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1242	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1248	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1254	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1260	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1262	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1268	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:
U = Compound not detected; laboratory reporting limit shown
*Applies to the sum of these compounds.
ND = Not Detected
DUP-X, DUPLICATE collected at MW-35, 2023 collected at TW/BRW-01
= Concentration exceeds NYSDEC Class GA Standard

Table 4
Summary of Validated Analytical Results - PCBs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID	NYSDEC	TW/BRW-01S	TW/BRW-01S	TW/BRW-01S	TW/BRW-01S	TW/BRW-01S	TW/BRW-01S	TW/BRW-01S	TW/BRW-01S	TW/BRW-01S	TW/BRW-01S	TW/BRW-01S	TW/BRW-01S	TW/BRW-01S
Sample Date	Class GA	5/27/2015	11/13/2015	5/10/2016	12/6/2016	4/3/2017	12/5/2017	4/24/2018	4/17/2019	3/31/2020	3/23/2021	4/12/2022	4/4/2023	5/29/2024
Units	Standard (ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs														
Aroclor 1016	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1221	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1232	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1242	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1248	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1254	0.09*	0.493	0.88 J	0.650	0.083 U	0.083 U	0.294 J	0.321	0.391	0.370 NJ	0.071 U	0.274 J	0.338	0.071 U
Aroclor 1260	0.09*	0.21	0.22	0.272	1.65	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1262	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Aroclor 1268	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.071 U	0.071 U
Total PCBs	0.09*	0.703	1.1	0.922	1.65	0.083 U	0.294 J	0.321	0.391	0.370 NJ	ND	0.274 J	0.338	ND

NOTES:
U = Compound not detected; laboratory reporting limit shown
*Applies to the sum of these compounds.
ND = Not Detected
DUP-X, DUPLICATE collected at MW-35, 2023 collected at TW/BRW-01
= Concentration exceeds NYSDEC Class GA Standard

Table 4
Summary of Validated Analytical Results - PCBs in Groundwater
Goulds Pumps Administration - Cobalt Site
Seneca Falls, NY

Sample ID	NYSDEC Class GA	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Equipment Blank-20210322	Field Blank	Field Blank	Field Blank
Sample Date	Class GA	5/27/2015	11/13/2015	5/10/2016	12/7/2016	4/4/2017	12/5/2017	4/24/2018	4/17/2019	3/31/2020	3/31/2020	3/31/2020	4/11/2022	4/5/2023	5/29/2024
Units	Standard (ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PCBs															
Aroclor 1016	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1221	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1232	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1242	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1248	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1254	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.151	0.071 U	0.036 U	0.071 U
Aroclor 1260	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.120	0.071 U	0.036 U	0.071 U
Aroclor 1262	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Aroclor 1268	0.09*	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.083 U	0.071 U	0.071 U	0.036 U	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.271	ND	ND	ND

NOTES:
U = Compound not detected; laboratory reporting limit shown
*Applies to the sum of these compounds.
ND = Not Detected
DUP-X, DUPLICATE collected at MW-35, 2023 collected at TW/BRW-01
= Concentration exceeds NYSDEC Class GA Standard

APPENDIX A

Second Quarter 2024 Site and Well Inspection Forms



Site Inspection Form

Date Performed:

5/28/24

Site Name:

Goulds Pumps Cobalt Site (No. C850012)

Site Location:

Seneca Falls, NY

Weather:

68°F, Cloudy

Inspector Name:

A. Gibson

Inspector Signature:

[Signature]

Cap/Cover Inspection					
Cap/Cover Area (see Figure 2-1)	Cap/Cover Type (e.g. gravel, pavement)	Inspected (Y/N)	Acceptable (Y/N)	Maintenance Required (Y/N)	Description of Required Maintenance or Comments (attach photographs for documentation as appropriate)
A1	Pavement	Y	Y	N	NA
A2	Pavement	Y	Y	N	NA
A3	Pavement	Y	Y	N	NA
B1	Topsoil and Grass	Y	Y	N	NA
B2	Topsoil and Grass	Y	Y	N	NA
C1	Riprap Spillway	Y	Y	N	NA
C2	Riprap Spillway	Y	Y	N	NA
C3	Riprap Spillway	Y	Y	N	NA
C4	Riprap Spillway	Y	Y	N	NA
C5	Riprap Slope Protection	Y	Y	N	NA
D1	Concrete	Y	Y	N	NA
D2	Concrete	Y	Y	N	NA

Site Inspection Form

D3	Concrete	Y	Y	N	NA
D4	Concrete	Y	Y	N	NA
D5	Concrete	Y	Y	N	NA
D6	Concrete	Y	Y	N	NA
D7	Concrete	Y	Y	N	NA
D8	Concrete	Y	Y	N	NA
D9	Concrete	Y	Y	N	NA
D10	Concrete	Y	Y	N	NA
D11	Concrete	Y	Y	N	NA
D12	Concrete	Y	Y	N	NA
E1	Gravel	Y	Y	N	NA
E2	Gravel	Y	Y	N	NA
E3	Gravel	Y	Y	N	NA
E4	Gravel	Y	Y	N	NA
E5	Gravel	Y	Y	N	NA
F	NWSA Cap	Y	Y	N	NA

Conditions to Review

- a. erosion
- b. missing cap/cover material
- c. vegetation growing through cap/cover (excluding vegetated covers)
- d. areas of ponded water
- e. areas of settlement
- f. damage from burrowing animals

Site Fence Inspection			
Inspected (Y/N)	Acceptable (Y/N)	Maintenance Required	Description of Required Maintenance or Comments
Y	Y	N	

Well Inspection Form

Date Performed: 5/28/24
 Site Name: Goulds Pumps Cobalt Site (No. C850012)
 Site Location: Seneca Falls, NY

Weather: 68°F cloudy
 Inspector Name: A. Gibson
 Inspector Signature: [Signature]

Well Integrity Inspection				
Well ID	Inspected (Y/N)	Acceptable (Y/N)	Maintenance Required (Y/N)	Description of Required Maintenance or Comments
MW-08D	✓	✓	N	
MW-08R	✓	✓	N	
MW-10S	✓	✓	N	
MW-18SR	✓	✓	N	
MW-19SR	✓	✓	N	
MW-23S	✓	✓	N	
MW-24S	✓	✓	N	
MW-26B	✓	✓	N	
MW-26I	✓	✓	N	
MW-26S	✓	✓	N	
MW-29	✓	✓	N	
MW-34	✓	✓	N	
MW-35	✓	✓	N	
MW-36	✓	✓	N	
MW-5S	✓	✓	N	
MW-8S	✓	✓	N	
TW/BRW-01R	✓	✓	N	
TW/BRW-01S	✓	✓	N	
TW-02				Not located
TW-17	✓	✓	N	

Conditions to Review

- depth Sounding matches construction
- well pad is not broken or falling apart
- lock functions properly
- well cap is functional and properly preventing water infiltration
- well casing or flush mount protective cover is protective the well

APPENDIX B

Summary Data Package – Alpha Analytical





ANALYTICAL REPORT

Lab Number:	L2430436
Client:	Arcadis U.S, Inc. DPS Group/Arcadis 201 Fuller Road, Suite 201 Albany, NY 12203
ATTN:	Elias Moskal
Phone:	(518) 650-7808
Project Name:	GOULDS PUMP 5, COBALT SITE
Project Number:	Not Specified
Report Date:	06/06/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: GOULDS PUMP 5, COBALT SITE**Project Number:** Not Specified**Lab Number:** L2430436**Report Date:** 06/06/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2430436-01	MW-18SR	WATER	SENECA FALLS, NY	05/29/24 15:30	05/30/24
L2430436-02	TW-BRW-01R	WATER	SENECA FALLS, NY	05/29/24 14:02	05/30/24
L2430436-03	MW-24S	WATER	SENECA FALLS, NY	05/29/24 13:50	05/30/24
L2430436-04	MW-26S	WATER	SENECA FALLS, NY	05/29/24 10:55	05/30/24
L2430436-05	MW-19SR	WATER	SENECA FALLS, NY	05/29/24 09:35	05/30/24
L2430436-06	MW-36	WATER	SENECA FALLS, NY	05/28/24 16:50	05/30/24
L2430436-07	TW-BRW-01S	WATER	SENECA FALLS, NY	05/29/24 11:43	05/30/24
L2430436-08	MW-34	WATER	SENECA FALLS, NY	05/29/24 09:25	05/30/24
L2430436-09	MW-35	WATER	SENECA FALLS, NY	05/28/24 16:00	05/30/24
L2430436-10	DUP-MW-X	WATER	SENECA FALLS, NY	05/28/24 00:00	05/30/24
L2430436-11	FIELD BLANK	WATER	SENECA FALLS, NY	05/29/24 11:01	05/30/24
L2430436-12	TRIP BLANK	WATER	SENECA FALLS, NY	05/28/24 00:00	05/30/24

Project Name: GOULDS PUMP 5, COBALT SITE
Project Number: Not Specified

Lab Number: L2430436
Report Date: 06/06/24

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name: GOULDS PUMP 5, COBALT SITE
Project Number: Not Specified

Lab Number: L2430436
Report Date: 06/06/24

Case Narrative (continued)

Report Submission

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

Volatile Organics

L2430436-11: The Field Blank has a result for acetone present above the reporting limit. The sample was re-analyzed and confirmed the original results. The results of the original analysis are reported.

The WG1929535-7 MSD recovery performed on L2430436-02, is outside the acceptance criteria for 1,1-dichloroethane (0%). The unacceptable percent recovery is attributed to the elevated concentrations of target compounds present in the native sample.

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

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 06/06/24

ORGANICS

VOLATILES

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-01
 Client ID: MW-18SR
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 15:30
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/03/24 13:43
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	3.9		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	3.0		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	3.9		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS****Lab ID:** L2430436-01**Date Collected:** 05/29/24 15:30**Client ID:** MW-18SR**Date Received:** 05/30/24**Sample Location:** SENECA FALLS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	113		70-130

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-02
 Client ID: TW-BRW-01R
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 14:02
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/03/24 17:45
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	160		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	0.15	J	ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.9		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.34	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	12		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-02
 Client ID: TW-BRW-01R
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 14:02
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	9.2		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	120	J	ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	115		70-130

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-03
 Client ID: MW-24S
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 13:50
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/03/24 14:05
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	0.84	J	ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.21	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS****Lab ID:** L2430436-03**Date Collected:** 05/29/24 13:50**Client ID:** MW-24S**Date Received:** 05/30/24**Sample Location:** SENECA FALLS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	113		70-130

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-04
 Client ID: MW-26S
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 10:55
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/03/24 14:27
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS****Lab ID:** L2430436-04**Date Collected:** 05/29/24 10:55**Client ID:** MW-26S**Date Received:** 05/30/24**Sample Location:** SENECA FALLS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	115		70-130

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-05
 Client ID: MW-19SR
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 09:35
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/03/24 14:49
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS****Lab ID:** L2430436-05**Date Collected:** 05/29/24 09:35**Client ID:** MW-19SR**Date Received:** 05/30/24**Sample Location:** SENECA FALLS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	1.2	J	ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	113		70-130

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-06
 Client ID: MW-36
 Sample Location: SENECA FALLS, NY

Date Collected: 05/28/24 16:50
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/03/24 15:11
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS****Lab ID:** L2430436-06**Date Collected:** 05/28/24 16:50**Client ID:** MW-36**Date Received:** 05/30/24**Sample Location:** SENECA FALLS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	115		70-130

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-07
 Client ID: TW-BRW-01S
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 11:43
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/03/24 15:33
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	1.0	J	ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.39	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-07
 Client ID: TW-BRW-01S
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 11:43
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	114		70-130

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-08
 Client ID: MW-34
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 09:25
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/03/24 15:55
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS****Lab ID:** L2430436-08**Date Collected:** 05/29/24 09:25**Client ID:** MW-34**Date Received:** 05/30/24**Sample Location:** SENECA FALLS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	114		70-130

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-09
 Client ID: MW-35
 Sample Location: SENECA FALLS, NY

Date Collected: 05/28/24 16:00
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/03/24 16:17
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS****Lab ID:** L2430436-09**Date Collected:** 05/28/24 16:00**Client ID:** MW-35**Date Received:** 05/30/24**Sample Location:** SENECA FALLS, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	16		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	114		70-130

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-10
 Client ID: DUP-MW-X
 Sample Location: SENECA FALLS, NY

Date Collected: 05/28/24 00:00
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/03/24 16:39
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-10
 Client ID: DUP-MW-X
 Sample Location: SENECA FALLS, NY

Date Collected: 05/28/24 00:00
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	16		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	116		70-130

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-11
 Client ID: FIELD BLANK
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 11:01
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/03/24 17:01
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-11
 Client ID: FIELD BLANK
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 11:01
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.1		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	3.2	J	ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

Total TIC Compounds	2.35	J	ug/l	1
Isobutane	2.35	NJ	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	115		70-130

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-12
 Client ID: TRIP BLANK
 Sample Location: SENECA FALLS, NY

Date Collected: 05/28/24 00:00
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/03/24 17:23
 Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-12
 Client ID: TRIP BLANK
 Sample Location: SENECA FALLS, NY

Date Collected: 05/28/24 00:00
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	114		70-130

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 06/03/24 10:04
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG1929535-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: GOULDS PUMP 5, COBALT SITE

Lab Number: L2430436

Project Number: Not Specified

Report Date: 06/06/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 06/03/24 10:04
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG1929535-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/03/24 10:04
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG1929535-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOULDS PUMP 5, COBALT SITE

Project Number: Not Specified

Lab Number: L2430436

Report Date: 06/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1929535-3 WG1929535-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	110		120		70-130	9		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	98		100		70-130	2		20
Dibromochloromethane	82		86		63-130	5		20
1,1,2-Trichloroethane	83		87		70-130	5		20
Tetrachloroethene	80		84		70-130	5		20
Chlorobenzene	92		96		75-130	4		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	95		100		67-130	5		20
trans-1,3-Dichloropropene	83		87		70-130	5		20
cis-1,3-Dichloropropene	86		91		70-130	6		20
Bromoform	78		83		54-136	6		20
1,1,2,2-Tetrachloroethane	91		96		67-130	5		20
Benzene	100		100		70-130	0		20
Toluene	94		98		70-130	4		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	130		130		64-130	0		20
Bromomethane	92		98		39-139	6		20
Vinyl chloride	110		120		55-140	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOULDS PUMP 5, COBALT SITE

Project Number: Not Specified

Lab Number: L2430436

Report Date: 06/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1929535-3 WG1929535-4								
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	96		96		61-145	0		20
trans-1,2-Dichloroethene	99		98		70-130	1		20
Trichloroethene	84		87		70-130	4		20
1,2-Dichlorobenzene	91		94		70-130	3		20
1,3-Dichlorobenzene	91		96		70-130	5		20
1,4-Dichlorobenzene	92		94		70-130	2		20
Methyl tert butyl ether	77		84		63-130	9		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	94		96		70-130	2		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	95		100		58-148	5		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	80		96		63-138	18		20
4-Methyl-2-pentanone	77		89		59-130	14		20
2-Hexanone	83		92		57-130	10		20
Bromochloromethane	93		96		70-130	3		20
1,2-Dibromoethane	79		85		70-130	7		20
1,2-Dibromo-3-chloropropane	79		83		41-144	5		20
Isopropylbenzene	97		100		70-130	3		20
1,2,3-Trichlorobenzene	85		90		70-130	6		20

Lab Control Sample Analysis**Batch Quality Control****Project Name:** GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1929535-3 WG1929535-4								
1,2,4-Trichlorobenzene	88		90		70-130	2		20
Methyl Acetate	100		100		70-130	0		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	78		84		56-162	7		20
Freon-113	97		98		70-130	1		20
Methyl cyclohexane	88		91		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		116		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	105		104		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: GOULDS PUMP 5, COBALT SITE

Project Number: Not Specified

Lab Number: L2430436

Report Date: 06/06/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1929535-6 WG1929535-7 QC Sample: L2430436-02 Client ID: TW-BRW-01R												
Methylene chloride	ND	10	12	120		11	110		70-130	9		20
1,1-Dichloroethane	160	10	180	200	Q	160	0	Q	70-130	12		20
Chloroform	ND	10	12	120		12	120		70-130	0		20
Carbon tetrachloride	ND	10	12	120		12	120		63-132	0		20
1,2-Dichloropropane	ND	10	11	110		10	100		70-130	10		20
Dibromochloromethane	ND	10	9.0	90		8.6	86		63-130	5		20
1,1,2-Trichloroethane	ND	10	9.3	93		9.0	90		70-130	3		20
Tetrachloroethene	ND	10	9.2	92		8.8	88		70-130	4		20
Chlorobenzene	ND	10	10	100		9.8	98		75-130	2		20
Trichlorofluoromethane	ND	10	14	140		14	140		62-150	0		20
1,2-Dichloroethane	0.15J	10	12	120		11	110		70-130	9		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	11	110		10	100		67-130	10		20
trans-1,3-Dichloropropene	ND	10	8.9	89		8.7	87		70-130	2		20
cis-1,3-Dichloropropene	ND	10	9.0	90		8.7	87		70-130	3		20
Bromoform	ND	10	8.1	81		8.2	82		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	9.7	97		9.5	95		67-130	2		20
Benzene	1.9	10	14	121		13	111		70-130	7		20
Toluene	ND	10	11	110		10	100		70-130	10		20
Ethylbenzene	ND	10	11	110		11	110		70-130	0		20
Chloromethane	ND	10	14	140	Q	14	140	Q	64-130	0		20
Bromomethane	ND	10	8.9	89		9.9	99		39-139	11		20
Vinyl chloride	0.34J	10	14	140		14	140		55-140	0		20

Matrix Spike Analysis**Batch Quality Control****Project Name:** GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1929535-6 WG1929535-7 QC Sample: L2430436-02 Client ID: TW-BRW-01R												
Chloroethane	ND	10	14	140	Q	13	130		55-138	7		20
1,1-Dichloroethene	12	10	23	110		21	90		61-145	9		20
trans-1,2-Dichloroethene	ND	10	11	110		10	100		70-130	10		20
Trichloroethene	ND	10	9.8	98		9.4	94		70-130	4		20
1,2-Dichlorobenzene	ND	10	9.8	98		9.5	95		70-130	3		20
1,3-Dichlorobenzene	ND	10	10	100		9.5	95		70-130	5		20
1,4-Dichlorobenzene	ND	10	10	100		9.6	96		70-130	4		20
Methyl tert butyl ether	ND	10	8.4	84		8.3	83		63-130	1		20
p/m-Xylene	ND	20	21	105		21	105		70-130	0		20
o-Xylene	ND	20	21	105		20	100		70-130	5		20
cis-1,2-Dichloroethene	ND	10	11	110		10	100		70-130	10		20
Styrene	ND	20	21	105		20	100		70-130	5		20
Dichlorodifluoromethane	ND	10	13	130		13	130		36-147	0		20
Acetone	9.2	10	18	88		18	88		58-148	0		20
Carbon disulfide	ND	10	13	130		12	120		51-130	8		20
2-Butanone	ND	10	9.7	97		10	100		63-138	3		20
4-Methyl-2-pentanone	ND	10	7.9	79		8.4	84		59-130	6		20
2-Hexanone	ND	10	8.3	83		8.4	84		57-130	1		20
Bromochloromethane	ND	10	10	100		9.9	99		70-130	1		20
1,2-Dibromoethane	ND	10	8.6	86		8.4	84		70-130	2		20
1,2-Dibromo-3-chloropropane	ND	10	7.9	79		8.2	82		41-144	4		20
Isopropylbenzene	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	9.0	90		9.0	90		70-130	0		20

Matrix Spike Analysis**Batch Quality Control****Project Name:** GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1929535-6 WG1929535-7 QC Sample: L2430436-02 Client ID: TW-BRW-01R												
1,2,4-Trichlorobenzene	ND	10	9.0	90		9.0	90		70-130	0		20
Methyl Acetate	ND	10	9.7	97		10	100		70-130	3		20
Cyclohexane	ND	10	11	110		11	110		70-130	0		20
1,4-Dioxane	120J	500	530	106		510	102		56-162	4		20
Freon-113	ND	10	11	110		11	110		70-130	0		20
Methyl cyclohexane	ND	10	9.0J	90		9.1J	91		70-130	1		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		120		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	106		107		70-130
Toluene-d8	101		101		70-130

PCBS

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-01
 Client ID: MW-18SR
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 15:30
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 06/05/24 17:27
 Analyst: AD

Extraction Method: EPA 3510C
 Extraction Date: 06/05/24 00:35
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/05/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	B
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-02
 Client ID: TW-BRW-01R
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 14:02
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 06/05/24 19:34
 Analyst: AD

Extraction Method: EPA 3510C
 Extraction Date: 06/05/24 00:35
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/05/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	142		30-150	B

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-03
 Client ID: MW-24S
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 13:50
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 06/05/24 20:00
 Analyst: AD

Extraction Method: EPA 3510C
 Extraction Date: 06/05/24 00:35
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/05/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	136		30-150	B

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-04
 Client ID: MW-26S
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 10:55
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 06/05/24 20:09
 Analyst: AD

Extraction Method: EPA 3510C
 Extraction Date: 06/05/24 00:35
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/05/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	132		30-150	B

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-05
 Client ID: MW-19SR
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 09:35
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 06/05/24 20:18
 Analyst: AD

Extraction Method: EPA 3510C
 Extraction Date: 06/05/24 00:35
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/05/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	127		30-150	B

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-06
 Client ID: MW-36
 Sample Location: SENECA FALLS, NY

Date Collected: 05/28/24 16:50
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 06/05/24 20:27
 Analyst: AD

Extraction Method: EPA 3510C
 Extraction Date: 06/05/24 00:35
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/05/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	128		30-150	B

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-07
 Client ID: TW-BRW-01S
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 11:43
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 06/05/24 20:36
 Analyst: AD

Extraction Method: EPA 3510C
 Extraction Date: 06/05/24 00:35
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/05/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	B
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	142		30-150	B

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-08
 Client ID: MW-34
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 09:25
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 06/05/24 20:44
 Analyst: AD

Extraction Method: EPA 3510C
 Extraction Date: 06/05/24 00:35
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/05/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	135		30-150	B

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-09
 Client ID: MW-35
 Sample Location: SENECA FALLS, NY

Date Collected: 05/28/24 16:00
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 06/05/24 20:53
 Analyst: AD

Extraction Method: EPA 3510C
 Extraction Date: 06/05/24 00:35
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/05/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	150		30-150	B

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-10
 Client ID: DUP-MW-X
 Sample Location: SENECA FALLS, NY

Date Collected: 05/28/24 00:00
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 06/05/24 21:02
 Analyst: AD

Extraction Method: EPA 3510C
 Extraction Date: 06/05/24 00:35
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/05/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	132		30-150	B

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**SAMPLE RESULTS**

Lab ID: L2430436-11
 Client ID: FIELD BLANK
 Sample Location: SENECA FALLS, NY

Date Collected: 05/29/24 11:01
 Date Received: 05/30/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 06/05/24 21:10
 Analyst: AD

Extraction Method: EPA 3510C
 Extraction Date: 06/05/24 00:35
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/05/24
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: GOULDS PUMP 5, COBALT SITE
Project Number: Not Specified

Lab Number: L2430436
Report Date: 06/06/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/05/24 16:34
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 06/04/24 13:25
Cleanup Method: EPA 3665A
Cleanup Date: 06/05/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/05/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-11 Batch: WG1929520-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	103		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOULDS PUMP 5, COBALT SITE

Lab Number: L2430436

Project Number: Not Specified

Report Date: 06/06/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-11 Batch: WG1929520-2 WG1929520-3									
Aroclor 1016	79		82		40-140	3		50	A
Aroclor 1260	73		79		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		81		30-150	A
Decachlorobiphenyl	97		110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		86		30-150	B
Decachlorobiphenyl	123		141		30-150	B

Matrix Spike Analysis**Batch Quality Control****Project Name:** GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1929520-4 WG1929520-5 QC Sample: L2430436-02 Client ID: TW-BRW-01R													
Aroclor 1016	ND	1.78	1.43	80		1.53	86		40-140	7		50	A
Aroclor 1260	ND	1.78	1.37	77		1.43	80		40-140	4		50	A

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		95		30-150	A
Decachlorobiphenyl	98		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		89		30-150	B
Decachlorobiphenyl	131		143		30-150	B

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430436-01A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-01B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-01C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-01D	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-01E	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-01X	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-01Y	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-02A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-02B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-02C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-02D	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-02E	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-02F	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-02G	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-02H	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-02I	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-02J	Amber 120ml unpreserved	B	12	12	3.2	Y	Absent		FILTER-EXT(1)
L2430436-02K	Amber 120ml unpreserved	B	12	12	3.2	Y	Absent		FILTER-EXT(1)
L2430436-02L	Amber 120ml unpreserved	B	12	12	3.2	Y	Absent		FILTER-EXT(1)
L2430436-02M	Amber 120ml unpreserved	B	12	12	3.2	Y	Absent		FILTER-EXT(1)
L2430436-02N	Amber 120ml unpreserved	B	12	12	3.2	Y	Absent		FILTER-EXT(1)
L2430436-02O	Amber 120ml unpreserved	B	12	12	3.2	Y	Absent		FILTER-EXT(1)
L2430436-02X	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430436-02X1	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-02X2	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-02Y	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-02Y1	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-02Y2	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-03A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-03B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-03C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-03D	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-03E	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-03X	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-03Y	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-04A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-04B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-04C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-04D	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-04E	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-04X	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-04Y	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-05A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-05B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-05C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-05D	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-05E	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-05X	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-05Y	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-06A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-06B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430436-06C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-06D	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-06E	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-06X	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-06Y	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-07A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-07B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-07C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-07D	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-07E	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-07X	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-07Y	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-08A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-08B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-08C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-08D	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-08E	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-08X	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-08Y	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-09A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-09B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-09C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-09D	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-09E	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-09X	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-09Y	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-10A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-10B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)

Project Name: GOULDS PUMP 5, COBALT SITE**Lab Number:** L2430436**Project Number:** Not Specified**Report Date:** 06/06/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430436-10C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-10D	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-10E	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-10X	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-10Y	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-11A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-11B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-11C	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-11D	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-11E	Amber 120ml unpreserved	B	7	7	3.2	Y	Absent		FILTER-EXT(1)
L2430436-11X	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-11Y	Amber 120ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-LVI(365)
L2430436-12A	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)
L2430436-12B	Vial HCl preserved	B	NA		3.2	Y	Absent		NYTCL-8260(14)

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Project Number: Not Specified

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Footnotes

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

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

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Project Name: GOULDS PUMP 5, COBALT SITE
Project Number: Not Specified

Lab Number: L2430436
Report Date: 06/06/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B**The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 2		Date Rec'd in Lab 5/31/24		ALPHA Job # 12430436			
		Project Information Project Name: Goulds Pump 5, Cobalt Site Project Location: Seneca Falls, NY Project # _____ (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☒ EQUS (1 File) ☐ EQUS (4 File) ☒ Other		Billing Information ☒ Same as Client Info PO # _____					
Client Information Client: Arcadis US, Inc. Address: 201 Fuller Road, Seneca Falls, NY 13203 Phone: (518) 250-7300 Fax: _____ Email: elias.moskal@arcadis.com		Project Manager: Elias Moskal ALPHAQuote #: _____ Turn-Around Time Standard ☒ Due Date: _____ Rush (only if pre approved) ☐ # of Days: _____		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☒ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: _____ ☐ NJ ☐ NY ☐ Other: _____					
These samples have been previously analyzed by Alpha ☐						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below) _____			
Other project specific requirements/comments: Please analyze and report the same way as April 2017						NYTCL-8260+TCLs NYTCL-8082+TCLs		Sample Specific Comments			
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		Total Bottles	
30436-01		MW-18SR		5/29/24 1530		W		AC		3 2	
02		TW-BRW-01R		5/29/24 1402		W		AG		9 6	
03		MW-2MS		5/29/24 1350		W		AC		3 2	
04		MW-26S		5/29/24 1055		W		AC		3 2	
05		MW-19SR		5/29/24 0935		W		AC		3 2	
06		MW-36		5/28/24 1650		W		AC		3 2	
07		TW-BRW-01S		5/29/24 1143		W		AG		3 2	
08		MW-3M		5/29/24 0925		W		AG		3 2	
09		MW-3S		5/28/24 1600		W		AG		3 2	
10		DUP-MW-X		5/28/24 -		W		AG		3 2	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type V A		Preservative B A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Relinquished By: Arcadis DATE		Date/Time: 5/30/24 1722 5/30/24 1730		Received By: PAGE 5/31/24 1822 5/31/24 0100							
Form No: 01-25 HC (rev. 30-Sept-2013)											

APPENDIX C

Groundwater Monitoring Field Purge Logs



Well ID: TW/BRW-01K

Northings: _____

Easting: _____

Site Name: Goulds Caball

Sampling Method: low flow Benthic

Field Personnel: A. Gibson

Site Location: Seneca Falls

Equipment Used: Bladder

Date: 5/29/24

Project #: 01257681, 2024

Pump/Controller ID#: R62 54 / 43733

Weather: 67°F, Sunny

Well information:

Installed Depth of Well*: _____ ft. bmp.

Measured Depth of Well*: 88.79 ft. bmp.

Depth to Water*: 2359 ft. bmp.

Length of Water Column (LWC): 64.2 ft.

Well Diameter: 4 in.

Well Volume Multipliers:

□ 1 in. = 0.041 gal/ft

□ 2 in. = 0.163 gal/ft

☒ 4 in. = 0.653 gal/ft

□ 6 in. = 1.469 gal/ft

☐ 8 in. = 2.611 gal/ft

* Measurement Point:

☐ Well Casing

☐ Protective Casing

☐ Other:

Volume: 47 54

Well Volume: 42.58 gal.

Pump Intake Depth*: 12.2 ft. bmp.

Start Purge Time: 1256

Initial Observations: Color cloudy Odor none Sheen/Free Product none

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ($\mu S/cm$)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ()
1301	23.65	21.59	8.24	2.24	-42	7.12	29.1	200	
1306	23.70	21.37	9.11	2.50	-36	7.39	40.4	200	
1311	23.72	22.39	9.30	2.92	-12	7.14	47.5	200	
1316	23.86	18.39	9.42	3.28	-9	7.82	9.7	200	
1321	23.90	17.71	9.42	3.30	-10	7.90	9.9	200	
1326	23.91	17.43	9.53	3.30	-9	7.74	8.3	200	
1331	23.92	17.55	9.74	3.27	-6	7.73	10.0	200	
1336	23.93	15.72	9.70	3.28	-10	7.86	7.4	200	
1341	23.93	15.59	9.95	3.28	-10	7.70	7.5	200	
1346	23.93	15.59	10.15	3.28	-7	7.61	7.5	200	
1351	23.93	15.61	10.58	3.29	-10	7.65	7.8	200	
1356	23.93	15.57	10.42	3.28	-7	7.62	7.8	200	
1401	23.93	15.63	10.65	3.28	-6	7.63	7.2	200	
Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	$\pm 10 mV$	$\pm 10\%$	$\pm 10\%$	$200 \leq X \leq 500$	

End Purge Time: 1416

DO Titration = 1.1 mg/L

Total volume of groundwater purged: 26 gal.

Final Observations: Color _____ Odor N Sheen/Free Product N

Specific Gravity 1.02

Analytical Sample ID: TW1BRW-01R

Date: 5/29/24

Time: 1402

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	VSA	376	N	HCl	Alpha/Pace
250mL	Amber	274	N	N/A	Alpha/Pace

Notes: MS/MSD collected here
amino acid measured

****Well Integrity Inspection Notes****

Well ID: TWYBRW-015
 Northing: _____
 Easting: _____

Field Personnel: A. G. Gibson
Date: 5/29/24
Weather: 63°F, Sunny

Pump Intake Depth*: 10 ft. bmp.

indicate units

Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	$\pm 10 \text{ mV}$	$\pm 10\%$	$\pm 10\%$	$200 \leq X \leq 500$
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Time: 114.3

****Well Integrity Inspection Notes****

I:\Vtt.3356\50706.Implementation\Docs\Reports\Cobalt SMP\Appendices\G - GW Sampling Information\Smart_Low-Flow_Sampling_Log-Updated-042314.xlsx 8/8/2014

Low Flow Groundwater Sampling Log						Well ID: <u>MW-14SR</u>			
				Northing: _____		Easting: _____			
Site Name: <u>Goulds Cobalt</u>		Sampling Method: <u>Low Flow</u>		Field Personnel: <u>A. Calderin</u>					
Site Location: <u>Seneca Falls, NY</u>		Equipment Used: <u>Peristaltic</u>		Date: <u>5/29/24</u>					
Project #: _____		Pump/Controller ID#: <u>19546</u>		Weather: <u>60°F, p. cloudy</u>					
Well information:				Well Volume Multipliers:		* Measurement Point:			
Installed Depth of Well*: _____ ft. bmp.		☐ 1 in. = 0.041 gal/ft		☒ Well Casing					
Measured Depth of Well*: <u>14.23</u> ft. bmp.		☒ 2 in. = 0.163 gal/ft		☐ Protective Casing					
Depth to Water*: <u>2.32</u> ft. bmp.		☐ 4 in. = 0.653 gal/ft		☐ Other: _____					
Length of Water Column (LWC): <u>11.41</u> ft.		☐ 6 in. = 1.469 gal/ft		Well Volume: <u>1.91</u> gal.					
Well Diameter: <u>2</u> in.		☐ 8 in. = 2.611 gal/ft		Pump Intake Depth*: _____ ft. bmp.					
Start Purge Time: <u>0817</u> Initial Observations: Color <u>clear</u> Odor <u>none</u> Sheen/Free Product <u>none</u> indicate units									
Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ()
5	2.72	14.00	6.49	1.29	143	0.36	6.6	250	
10	2.68	14.48	6.61	1.21	143	0.48	6.6	250	
15	2.67	15.39	6.77	0.810	111	2.48	7.5	250	
20	2.67	15.95	6.94	0.637	-30	2.22	0.9	250	
25	2.73	16.21	7.13	0.649	-50	1.78	0.0	250	
30	2.67	16.41	7.13	0.666	-49	1.53	0.0	250	
35	2.68	16.51	7.23	0.686	-61	1.15	0.0	250	
40	2.68	16.70	7.32	0.696	-72	0.99	0.0	250	
45	2.68	16.83	7.35	0.706	-77	0.84	0.0	250	
50	2.68	16.94	7.36	0.714	-81	0.78	0.0	250	
60	2.68	17.13	7.39	0.720	-86	0.66	0.0	250	
65	2.68	17.20	7.41	0.725	-91	0.59	0.0	250	
70	2.68	17.217	7.41	0.727	-93	0.57	0.0	250	
75	2.68	17.468	7.41	0.728	-95	0.57	0.0	250	
80	2.68	17.51	7.41	0.728	-96	0.58	0.0	250	
Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	± 10 mV	$\pm 10\%$	$\pm 10\%$	$200 \leq X \leq 500$	
End Purge Time: _____				DO Titration = <u>NM</u> mg/L					
Total volume of groundwater purged: _____ gal.									
Final Observations: Color <u>none</u> Odor <u>none</u> Sheen/Free Product <u>none</u>									
Specific Gravity <u>NM</u>									
Analytical Sample ID: <u>MW-14SR</u>				Date: <u>5/29/24</u>		Time: <u>0935</u>			
Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory				
40 mL	VOA	3	N	HCL	Pure				
120 mL	Amber	2	N	none	Pure				
Notes: <u>NM: not measured</u>				**Well Integrity Inspection Notes**					
				Good					

Well ID: MW-2MS
 Northing: _____
 Easting: _____

Site Name: Goulds Cobalt
Site Location: Sanders Falls, NY
Project #:

Sampling Method: Low Flow
Equipment Used: Peristaltic
Pump/Controller ID#: _____

Field Personnel: A. Calderin
Date: 5/29/24
Weather: 65°F p. cloudy

Well information:

Installed Depth of Well*:		ft. bmp.
Measured Depth of Well*:	14.16	ft. bmp.
Depth to Water*:	2.54	ft. bmp.
Length of Water Column (LWC):	11.62	ft.
Well Diameter:	2	in.

Well Volume Multipliers:

☐ 1 in. = 0.041 gal/ft
☒ 2 in. = 0.163 gal/ft
☐ 4 in. = 0.653 gal/ft
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

* Measurement Point:

☒ Well Casing
☐ Protective Casing
☐ Other:

Well Volume: 1.86 gal.
Pump Intake Depth*: _____ ft. bmp.

Start Purge Time: 1231

Initial Observations: Color clear Odor none Sheen/Free Product none

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ($\mu S/cm$)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ()
5	2.71	17.06	7.25	0.858	151	0.72	0.0	200	
10	2.73	17.32	7.15	0.860	177	0.64	0.0	200	
15	2.73	17.61	7.05	0.861	173	0.59	0.0	200	
20	2.74	18.23	7.03	0.855	162	0.99	0.0	200	
25	2.73	18.40	7.03	0.838	154	0.79	0.0	200	
30	2.75	18.36	7.03	0.816	147	1.01	0.0	200	
35	2.75	18.56	7.09	0.786	140	1.38	0.0	200	
40	2.76	18.66	7.10	0.741	134	1.78	0.0	200	
45	2.78	18.31	7.13	0.728	128	1.75	0.0	200	
50	2.76	18.51	7.17	0.715	122	1.76	0.0	200	
55	2.78	18.44	7.30	0.706	111	1.69	0.0	200	
60	2.78	18.62	7.27	0.700	112	1.75	0.0	200	
65	2.78	18.69	7.29	0.695	109	1.75	0.0	200	
70	2.78	18.71	7.27	0.697	110	1.73	0.0	200	
Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	$\pm 10 \text{ mV}$	$\pm 10\%$	$\pm 10\%$	$200 \leq X \leq 500$	

End Purge Time: 13218

DO Titration = MM mg/L

Total volume of groundwater purged: 41 gal.

Final Observations: Color clear Odor none Sheen/Free Product none
Specific Gravity N/A

Analytical Sample ID: MW-245 Date: 5/29/24 Time: 1350

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 mL	VOH	3	N	HCL	Pac
250 mL	Amber	2	N	None	Pac

Notes: NM: not measured

****Well Integrity Inspection Notes****

Good

Well ID: MW-26 S
Northing: _____
Easting: _____

Site Name: Gould Lubalt
Site Location: Somers Falls, NY
Project #:

Sampling Method: Low Flow
Equipment Used: Penitator
Pump/Controller ID#: _____

Field Personnel: A. Calperin
Date: 5/29/21
Weather: 63°F, p. cloudy

Well information:

Installed Depth of Well*:	<u> </u>	ft. bmp.
Measured Depth of Well*:	<u>16.57</u>	ft. bmp.
Depth to Water*:	<u>6.43</u>	ft. bmp.
Length of Water Column (LWC):	<u>10.44</u>	ft.
Well Diameter:	<u>2</u>	in.

Well Volume Multipliers:

- ☐ 1 in. = 0.041 gal/ft
- ☒ 2 in. = 0.163 gal/ft
- ☐ 4 in. = 0.653 gal/ft
- ☐ 6 in. = 1.469 gal/ft
- ☐ 8 in. = 2.611 gal/ft

* Measurement Point:

☒ Well Casing
☐ Protective Casing
☐ Other:

Well Volume: 1.67 gal.
Pump Intake Depth*: _____ ft. bmp.

Start Purge Time: 1008

Initial Observations: Color clear Odor none Sheen/Free Product none

indicate units

[illegible]

Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	$\pm 10 \text{ mV}$	$\pm 10\%$	$\pm 10\%$	$200 \leq X \leq 500$
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End Purge Time: 1054

DO Titration = 14 mg/L

Total volume of groundwater purged: 2 gal.

Final Observations: Color clear Odor none Sheen/Free Product none
Specific Gravity NM

Analytical Sample ID: MW-265

Date: 5/29/24

Time: 1055

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
410 mL	VOA's	3	N	HCL	Pale
250 mL	Amber	2	N	None	Pale

Notes: NM: not measured

****Well Integrity Inspection Notes****

Crook

Low Flow Groundwater Sampling Log						Well ID: <u>MW-34</u>			
						Northing: _____			
						Easting: _____			
Site Name: <u>Senequa Falls Pump Cohort</u>		Sampling Method: <u>Low Flow</u>		Field Personnel: <u>A.G. Benson</u>					
Site Location: <u>Senequa Falls, NY</u>		Equipment Used: <u>Peristaltic</u>		Date: <u>5/29/24</u>					
Project #: <u>Q1257C BT, 2024</u>		Pump/Controller ID#: <u>20742</u>		Weather: <u>64°F</u>					
Well information:				Well Volume Multipliers:		* Measurement Point:			
Installed Depth of Well*: _____ ft. bmp.		☐ 1 in. = 0.041 gal/ft		☐ Well Casing					
Measured Depth of Well*: <u>12.78</u> ft. bmp.		☒ 2 in. = 0.163 gal/ft		☐ Protective Casing					
Depth to Water*: <u>1.93</u> ft. bmp.		☐ 4 in. = 0.653 gal/ft		☐ Other: _____					
Length of Water Column (LWC): <u>10.85</u> ft.		☐ 6 in. = 1.469 gal/ft		Well Volume: <u>1.77</u> gal.					
Well Diameter: <u>2</u> in.		☐ 8 in. = 2.611 gal/ft		Pump Intake Depth*: _____ ft. bmp.					
Start Purge Time: <u>0804</u> Initial Observations: Color <u>Clear</u> Odor <u>None</u> Sheen/Free Product <u>None</u>									
indicate units									
Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (µS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ()
0814	2.69	15.10	5.96	0.763	97	1.13	21.0	200	
0819	2.84	14.02	5.87	0.924	103	0.99	22.6	200	
0824	3.11	13.79	5.82	0.927	101	0.92	21.5	200	
0829	3.18	13.91	5.80	0.922	105	0.98	17.4	200	
0834	3.22	13.69	5.78	0.920	108	0.96	15.6	200	
0839	3.52	13.89	5.71	0.831	107	0.82	13.1	200	
0844	3.76	14.27	5.68	0.794	106	0.73	12.4	200	
0849	3.87	14.28	5.70	0.812	106	0.70	12.7	200	
0854	3.92	14.29	5.71	0.824	104	0.69	13.1	200	
0859	4.15	14.30	5.73	0.839	103	0.65	11.1	200	
0904	4.24	14.35	5.72	0.857	101	0.62	11.0	200	
0909	4.34	14.51	5.74	0.875	99	0.59	11.2	200	
0914	4.43	14.68	5.76	0.885	97	0.57	11.3	200	
0919	4.51	14.73	5.77	0.887	95	0.58	12.1	200	
0924	4.62	14.65	5.78	0.886	96	0.56	11.7	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	
End Purge Time: <u>0933</u> DO Titration = <u>nm</u> mg/L Total volume of groundwater purged: <u>24</u> gal. Final Observations: Color <u>Clear</u> Odor <u>None</u> Sheen/Free Product <u>None</u> Specific Gravity <u>nm</u>									
Analytical Sample ID: <u>MW-34</u>		Date: <u>5/29/24</u>		Time: <u>0925</u>					
Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory				
40 mL	VOA	5	N	HCl	Alpha/Pace				
250 mL	AMBER	2	N	None	Alpha/Pace				
Notes: <u>NM not measured</u>					**Well Integrity Inspection Notes**				

Low Flow Groundwater Sampling Log						Well ID: <u>NW-36</u>			
						Northing: _____			
						Easting: _____			
Site Name: <u>Coulds Cobalt</u>		Sampling Method: <u>low-flow</u>		Field Personnel: <u>Alexander</u>					
Site Location: <u>Seneca Falls, NY</u>		Equipment Used: <u>peristaltic</u>		Date: <u>5/28/24</u>					
Project #: _____		Pump/Controller ID#: _____		Weather: <u>66°F, cloudy</u>					
Well information:				Well Volume Multipliers:		* Measurement Point:			
Installed Depth of Well*: _____ ft. bmp.		☐ 1 in. = 0.041 gal/ft		☒ Well Casing					
Measured Depth of Well*: <u>12.44</u> ft. bmp.		☒ 2 in. = 0.163 gal/ft		☐ Protective Casing					
Depth to Water*: <u>0.60</u> ft. bmp.		☐ 4 in. = 0.653 gal/ft		☐ Other: _____					
Length of Water Column (LWC): <u>11.84</u> ft.		☐ 6 in. = 1.469 gal/ft		Well Volume: <u>1.89</u> gal.					
Well Diameter: <u>2</u> in.		☐ 8 in. = 2.611 gal/ft		Pump Intake Depth*: _____ ft. bmp.					
Start Purge Time: <u>12:42</u>									
Initial Observations: Color <u>clear</u> Odor <u>none</u> Sheen/Free Product <u>none</u>									
indicate units									
Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ()
1445	1.57	14.92	6.47	1.02	43	0.49	3.6	200	
1450	2.05	15.24	6.49	1.01	36	0.29	5.8	200	
1455	2.69	15.51	6.46	0.986	38	0.29	2.1	200	
1500	3.43	15.62	6.42	0.954	55	0.28	12.4	200	
1505	3.21	15.53	6.40	0.843	81	0.48	12.6	200	
1510	3.42	15.65	6.40	0.740	105	0.45	10.9	200	
1515	3.70	15.69	6.41	0.704	121	1.34	12.0	200	
1520	3.83	16.39	6.42	0.687	124	1.54	9.9	200	
1525	3.89	17.38	6.55	0.683	123	1.66	9.6	200	
1530	4.02	16.77	6.56	0.705	126	1.76	11.4	200	
1535	4.20	16.45	6.59	0.702	125	1.56	15.0	200	
1540	4.31	16.04	6.61	0.703	124	1.44	19.1	200	
1545	4.42	16.14	6.57	0.703	125	1.43	20.0	200	
1550	Mixed bc of downpour								
1555	4.53	14.90	6.52	0.854	129	0.81	33.4	200	
1600	4.68	14.81	6.48	0.823	131	0.65	27.7	200	
1605	4.75	14.61	6.46	0.842	133	0.54	37.6	200	
1610	4.81	14.68	6.43	0.858	138	0.53	45.1	200	
1615	4.98	14.57	6.40	0.866	143	0.52	40.0	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	
End Purge Time: _____					DO Titration = <u>NM</u> mg/L				
Total volume of groundwater purged: _____ gal.									
Final Observations: Color <u>clear</u> Odor <u>none</u> Sheen/Free Product <u>none</u>									
Specific Gravity <u>NM</u>									
Analytical Sample ID: _____					Date: _____		Time: _____		
Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory				
40 mL	VOA	3		NAL					
250 mL	Amber	2							
Notes: <u>NM = not measured</u>					**Well Integrity Inspection Notes** <u>Good, found slightly buried under gravel</u>				
<u>& heavy downpours during purging</u>									

APPENDIX D

Data Usability Summary Report – Data Validation Services



Data Validation Services

120 Cobble Creek Road P. O. Box 208

North Creek, NY 12853

Phone (518) 251-4429

harry@frontiernet.net

June 23, 2024

Elias Moskal
ARCADIS, Inc.
855 Route 146 Suite 210
Clifton Park, NY 12065

RE: Validation of the ITT Goulds Cobalt Site Sample Analytical Laboratory Data
Data Usability Summary Report (DUSR)
Alpha SDG No. L2430436

Dear Mr. Moskal:

Review has been completed for the data package generated by Alpha Analytical that pertains to aqueous samples collected 05/28/24 and 05/29/24 at the ITT Goulds Cobalt site. Nine samples and a field duplicate were analyzed for Target Compound List (TCL) volatiles, volatile Tentatively Identified Compounds (TICs), and TCL Aroclor PCBs. A field blank and a trip blank were also processed. The analytical methodologies are those of the USEPA SW846 methods 8260C and 8082A.

The data packages submitted contain full deliverables for validation, and this DUSR is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOPs HW-24 and HW-27, the specific laboratory methodology, and professional judgment, as affect the usability of the data. The following items were reviewed:

- * Data Completeness
- * Case Narrative
- * Custody Documentation
- * Holding Times
- * Surrogate and Internal Standard Recoveries
- * Method and Preparation Blanks
- * Blind Field Duplicate Correlations
- * Laboratory Control Samples (LCSs)
- * Instrumental Tunes
- * Initial and Continuing Calibration Standards
- * Method Compliance
- * Sample Result Verification

The data review includes evaluation of the specific items noted in The NYS DER-10 Appendix B section 2.0 (c) DUSR description. The items listed above that show deficiencies are discussed within the text of this narrative. The laboratory QC forms illustrating the excursions can be found within the laboratory data package.

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with project requirements.

In summary, sample results are usable either as reported or with minor qualification, with the exception that results for 1,4-dioxane in the samples and blanks are not usable due to poor response inherent in the methodology.

Data completeness, accuracy, precision, sensitivity, reproducibility, and comparability are acceptable

The client and laboratory sample identifications are attached to this text. Also included in this report are the validation qualifier definitions and the client EDD, qualified to reflect the qualifications/edits recommended in this report.

Blind Field Duplicate Correlation

The field duplicate correlations of MW-35 are within validation guidelines.

TCL Volatile Analyses by USEPA Method 8260C

Due to presence in the associated field blank, the detected concentrations of acetone in MW-35, TW-BRW-01R, and DUP-MW-X are considered as potentially including contribution from external contamination and are qualified as estimated, with a high bias.

Matrix spike accuracy and precision evaluations were performed on TW-BRW-01R. Recoveries and duplicate correlations are within the validation guidelines.

Due to very low instrument response in the calibration standards, the results reporting no detection of 1,4-dioxane are rejected, and the detected result is qualified as estimated, with a low bias. Other calibration standards show responses within the validation guidelines, with the exceptions of those for bromoform and 1,2-dibromo-3-chloropropane (22%D and 21%D). Results for those two analytes in the samples and blanks are qualified as estimated, with a low bias.

Holding times were met. Sample surrogate and internal standard recoveries are within acceptance ranges.

TCL PCB Analyses by USEPA Method 8082A

Matrix spike accuracy and precision evaluations were performed for Aroclor mixtures 1016 and 1260 on TW-BRW-01R. Recoveries and duplicate correlations are within the recommended ranges and limits.

Extraction and analysis holding time requirements were met, and the blanks show no contamination. Surrogate and internal standard recoveries are within acceptance ranges.

Calibration standards show responses within the USEPA analytical and validation guidelines.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

A handwritten signature in cursive script that reads "Judy Harry".

Judy Harry

Att: Validation Qualifier Definitions
Sample Identifications
Qualified EDD

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Sample Identification Summary

Project Name: GOULDS PUMP 5, COBALT SITE
Project Number: Not Specified

Lab Number: L2430436
Report Date: 06/06/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2430436-01	MW-18SR	WATER	SENECA FALLS, NY	05/29/24 15:30	05/30/24
L2430436-02	TW-BRW-01R	WATER	SENECA FALLS, NY	05/29/24 14:02	05/30/24
L2430436-03	MW-24S	WATER	SENECA FALLS, NY	05/29/24 13:50	05/30/24
L2430436-04	MW-26S	WATER	SENECA FALLS, NY	05/29/24 10:55	05/30/24
L2430436-05	MW-19SR	WATER	SENECA FALLS, NY	05/29/24 09:35	05/30/24
L2430436-06	MW-36	WATER	SENECA FALLS, NY	05/28/24 16:50	05/30/24
L2430436-07	TW-BRW-01S	WATER	SENECA FALLS, NY	05/29/24 11:43	05/30/24
L2430436-08	MW-34	WATER	SENECA FALLS, NY	05/29/24 09:25	05/30/24
L2430436-09	MW-35	WATER	SENECA FALLS, NY	05/28/24 16:00	05/30/24
L2430436-10	DUP-MW-X	WATER	SENECA FALLS, NY	05/28/24 00:00	05/30/24
L2430436-11	FIELD BLANK	WATER	SENECA FALLS, NY	05/29/24 11:01	05/30/24
L2430436-12	TRIP BLANK	WATER	SENECA FALLS, NY	05/28/24 00:00	05/30/24

APPENDIX E

NYSDEC Certifications





Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **C850012**

Site Name **Goulds Pumps Cobalt Site**

Site Address: 240 FALL STREET Zip Code: 13148
City/Town: Seneca Falls
County: Seneca
Site Acreage: 11.400

Reporting Period: June 1, 2023 to May 31, 2024

YES NO

1. Is the information above correct? x ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? ☐ x

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? ☐ x

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? ☐ x

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development? ☐ x

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below? x ☐
Industrial

7. Are all ICs/ECs in place and functioning as designed? x ☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐ YES ☒ NO

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

☒ YES ☐ NO

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C850012**Box 3****Description of Institutional Controls**ParcelOwnerInstitutional Control**09-01-4.11**

Goulds Pumps Administration, Inc.

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Monitoring Plan
Site Management Plan
IC/EC Plan

Institutional Control: Imposition of an institutional control in the form of an environmental easement for the controlled property that:

- * Requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- * Allows the use and development of the controlled property for industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- * Restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH;
- * Requires compliance with the Department approved Site Management Plan.

Box 4**Description of Engineering Controls**ParcelEngineering Control**09-01-4.11**

Cover System

Cover System: A site cover system will be required to allow for industrial use of the site. The cover system will consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil/fill material cover in areas where the upper one foot of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Where the cover system is required it will be a minimum of one foot of soil/fill material, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for industrial use. If a vegetation layer is needed the upper six inches of the soil of the cover system will be of sufficient quality to maintain the vegetation layer. Any soil/fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

x ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

x ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C850012

Box 6

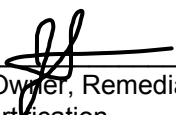
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Jeff Stanek at 56 Technology Drive, Irvine, CA 92618,
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.



Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

6/28/24

Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Matthew Yonkin at 210 Fuller Rd, Suite 210 Albany, NY 12203
print name print business address

am certifying as a Professional Engineer for the Remedial Party
(Owner or Remedial Party)



Matthew C Yonkin
Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification

Stamp
(Required for PE)

6/28/2024
Date

Arcadis of New York, Inc.

855 Route 146

Suite 210

Clifton Park, New York 12065

Tel 518 250 7300

Fax 518 250 7301

www.arcadis.com

A decorative graphic consisting of three thin orange lines. One line is horizontal, extending across the width of the page. Two other lines are diagonal, intersecting the horizontal line and extending towards the bottom right corner of the page.