NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Commissioner

November 10, 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) have completed a review of the Periodic Review Report (PRR) dated June 30, 2025, and IC/EC Certification for the following period: June 1, 2024, to May 31, 2025, for the *Goulds Pumps Cobalt site* (Site) located at 240 Fall Street, the Town of Seneca Falls, Seneca County. 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, 2026. As a courtesy, you should receive a reminder letter and updated certification form 75 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:
Matthew Yonkin (Arcadis)
Elias Moskal (Arcadis)
Justin Deming (NYSDOH)
David Pratt (NYSDEC)
Michael Ormanoski (NYSDEC)

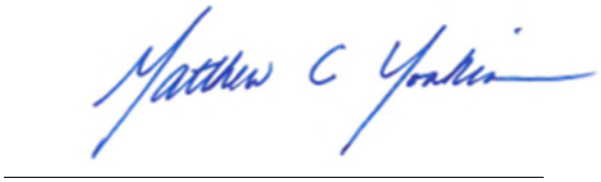
New York State Department of Environmental Conservation

ANNUAL 2025 GROUNDWATER MONITORING AND SAMPLING AND PERIODIC REVIEW REPORT

Goulds Pumps Cobalt Site

Site No. C850012

June 30, 2025



GOULDS PUMPS COBALT SITE

ANNUAL 2025 GROUNDWATER MONITORING AND SAMPLING AND PERIODIC REVIEW REPORT

Site Number C850012

Prepared for:

Mr. Joshua Ramsey

Site Manager

New York State Department of Environmental Conservation – Region 8

6274 East Avon-Lima Road

Avon, New York 14414

Prepared by:

Arcadis of New York, Inc.

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Our Ref.:

01257CBT.2025

Date:

June 30, 2025

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APPENDICES

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, 2024 to May 31, 2025.

2025 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 2025 sampling event, conducted on May 27, and May 28, 2025.

No significant changes in groundwater conditions were observed during the 2025 groundwater monitoring and inspection event. The next groundwater sampling event for the Cobalt Site is anticipated to occur during the second quarter of 2026.

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, 2024 and May 31, 2025 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 by NYSDEC on December 30, 2014.

Pursuant to the NYSDEC execution of the 2014 COC, Site monitoring is conducted in accordance with the NYSDEC-approved SMP (O'Brien & Gere Engineers, Inc. 2014).

2 REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

The 2014 COC approved by NYSDEC confirmed that the remedial actions conducted under oversight of NYSDEC are protective of human health and the environment. Implementation of the NYSDEC-approved SMP (O'Brien & Gere Engineers, Inc., 2014) demonstrates continued protectiveness of the remedy.

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, 2024, to May 31, 2025. 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

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

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 are 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 this annual event 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. No significant areas of ponded water were observed in the concrete area adjacent to Building 900 during the 2Q 2025 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, new bolts were added to the protective flush-mounted well covers at monitoring wells MW-5S and MW-19SR.

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 once annually.

The groundwater monitoring program is conducted 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 2025. 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 2025 annual groundwater monitoring event.

Groundwater samples were submitted under routine chain-of-custody protocols to Pace 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 27 and May 28, 2025.

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 2025
TW/BRW-01R	1,1-dichloroethane 1,1-dichloroethene Benzene
TW/BRW-01S	Total PCBs
MW-19SR	Total PCBs

A figure illustrating compounds detected in groundwater samples is included as Figure 3. Concentrations of 1,1,1-trichloroethane (2.7 ug/L), 1,1-dichloroethane (1.8 ug/L), and 1,1-dichloroethene (2.6 ug/L) were detected in groundwater sampled from MW-18SR.

In accordance with the NYSDEC-approved SMP, the next groundwater sampling event for the Cobalt Site will be conducted during the second quarter of 2026.

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

Implementation of the NYSDEC-approved SMP demonstrates the continued protectiveness of the Cobalt Site remedy. 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 were the lowest since 2015 and were within the range of historical values at TW/BRW-01R. Additionally, the 2025 sampling results for PCBs are within the range of previously detected values at TW/BRW-01S and MW-19SR. 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 2025 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/cfmx/extapps/derexternal/index.cfm?pageid=3.

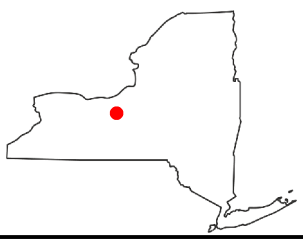
O'Brien & Gere Engineers, Inc. 2014. Site Management Plan: Goulds Pumps Cobalt Site. NYSDEC Site Number: C850012. Prepared for ITT Corporation.

FIGURES

0 90 180 360 540 720 Feet

Legend

- Closed Landfill
- Approximate NWSA Boundary
- Approximate Site Boundary



N

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

SITE LOCATION AND FEATURES

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

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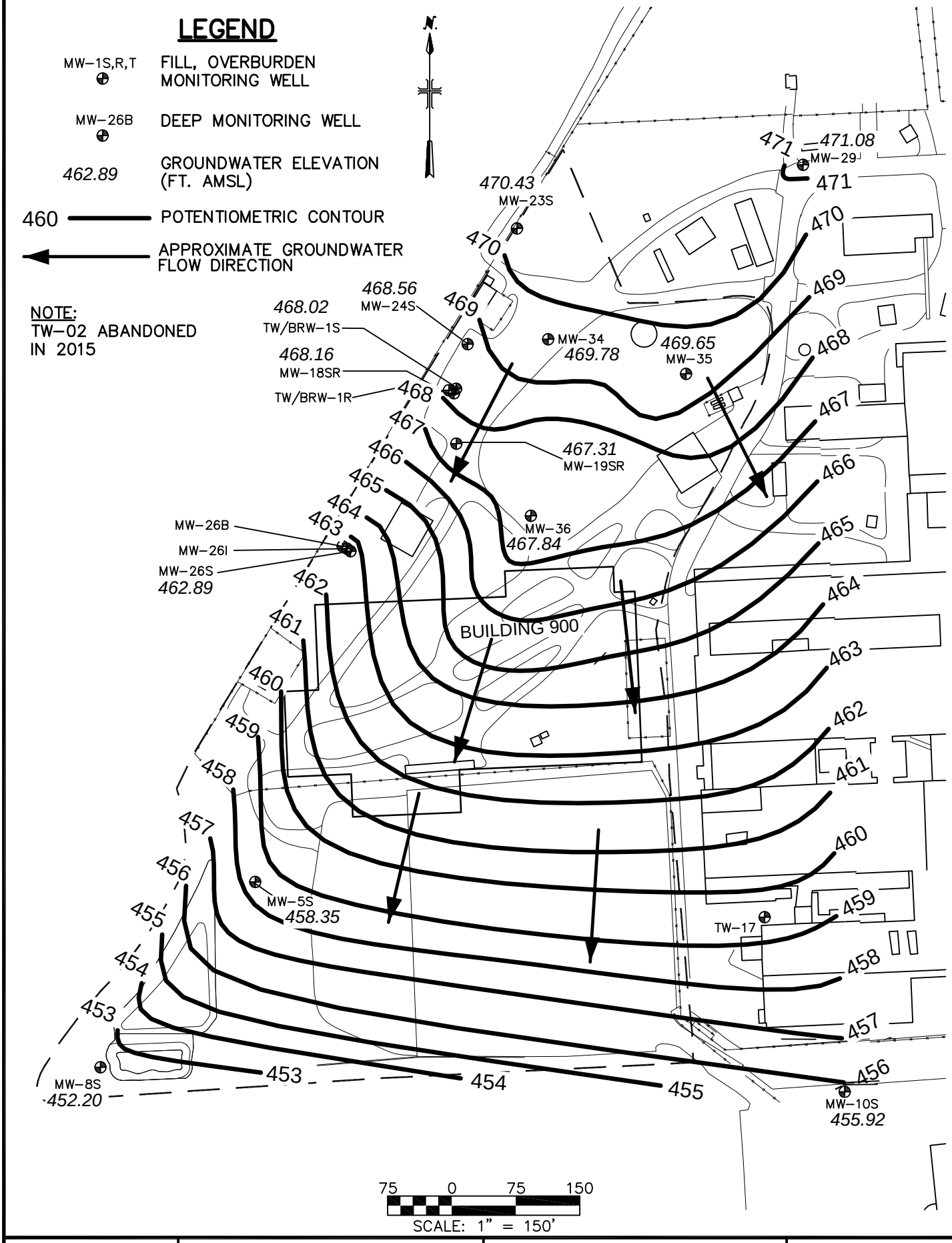

ARCADIS	GOULDS PUMPS COBALT SITE 240 FALL STREET SENECA FALLS, NEW YORK NYSDEC SITE NO. C850012	SITE PLAN & POTENTIOMETRIC MAP SCALE: AS SHOWN	MAY 2025 FIGURE 2

USER: AGIBSON FILENAME: G:\ACAD\PROJ\01257117.0000\FIGURES\COBALT POT MAP-MAY 2025.DWG SAVE DATE: 6/25/2025 4:30 PM PLOT DATE: 6/25/2025 4:33 PM

Sample ID	TW/BRW-01S
Sample Date	5/28/2025
Units	ug/L
PCBs	
Total PCBs	0.183

Sample ID	MW-18SR
Sample Date	5/27/2025
Units	ug/L
VOCs	
1,1,1-Trichloroethane	2.7
1,1-Dichloroethane	1.8 J
1,1-Dichloroethene	2.6

Sample ID	TW/BRW-01R
Sample Date	5/28/2025
Units	ug/L
VOCs	
1,1-Dichloroethane	110
1,1-Dichloroethene	8
Acetone	7.5 J+
Benzene	2
Vinyl chloride	0.19 J

Sample ID	MW-19SR
Sample Date	5/27/2025
Units	ug/L
PCBs	
Total PCBs	0.225

CLOSED LANDFILL

BUILDING 900

318

605

MW-29
MW-23S
MW-24S
MW-34
MW-35
MW-18SR
TW/BRW-1S
TW/BRW-1R*
MW-17SR
MW-7S
MW-19SR
MW-36
MW-26B*
MW-26I
MW-26S
MW-5S
MW-8S
MW-10S

Maxar, Microsoft, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

0 150 300 600 900 1,200 Feet

Legend

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

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

N

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

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TABLES

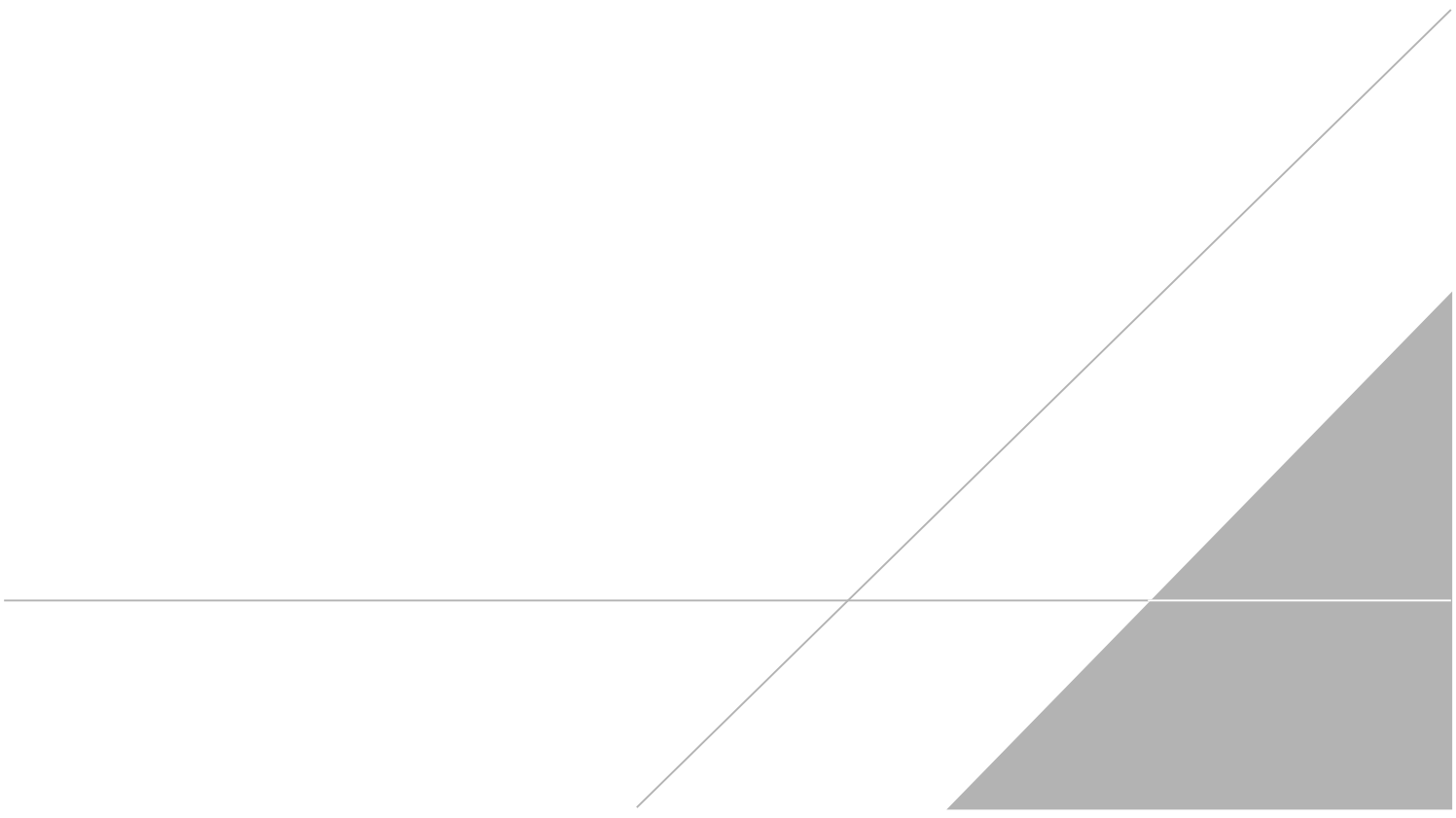

Table 2
Summary of Water Levels
Goulds Pumps - Cobalt Site
Seneca Falls, NY

	Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level		Groundwater Level	
	5/26/2015		11/11/2015		5/10/2016		12/05/2016		4/03/2017		12/04/2017		4/23/2018		4/15/2019		3/30/2020		3/22/2021		4/11/2022		4/11/2023		5/28/2024		5/27/2025	
Well ID	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)
MW-5S	4.77	458.21	5.02	457.96	4.92	458.06	4.76	458.22	4.32	458.66	5.22	457.76	4.79	458.19	4.38	458.60	4.11	458.87	4.53	458.45	4.54	458.44	4.41	458.57	4.57	458.41	4.63	458.35
MW-7S	4.52	467.25	4.51	467.26	4.4	467.37	4.04	467.73	2.90	468.87	4.59	467.18	4.23	467.54	4.20	467.57	3.86	467.91	4.26	467.51	4.04	467.73	3.75	468.02	4.36	467.41	4.17	467.60
MW-8S	DRY	NA	8.81	452.04	8.85	452.00	8.79	452.06	8.24	452.61	8.75	452.10	8.59	452.26	8.60	452.25	8.49	452.36	8.61	452.24	8.56	452.29	8.28	452.57	8.91	451.94	8.65	452.20
MW-10S	1.77	455.65	1.92	455.50	1.88	455.54	1.68	455.74	0.69	456.73	2.38	455.04	1.6	455.82	1.93	455.49	1.13	456.29	1.95	455.47	1.48	455.94	1.12	456.30	1.78	455.64	1.50	455.92
MW-18SR	2.78	467.76	2.73	467.81	2.75	467.79	2.59	467.95	2.08	468.46	3.41	467.13	3.00	467.54	2.93	467.61	2.36	468.18	2.83	467.71	2.10	468.44	2.37	468.17	2.48	468.06	2.38	468.16
MW-19SR	2.60	467.06	2.91	466.75	2.63	467.03	2.18	467.48	1.76	467.90	4.83	464.83	2.33	467.33	2.59	467.07	2.20	467.46	2.43	467.23	2.02	467.64	2.02	467.64	3.68	465.98	2.35	467.31
MW-23S	6.27	469.09	4.45	470.91	5.74	469.62	4.85	470.51	4.32	471.04	5.81	469.55	4.86	470.50	4.44	470.92	3.88	471.48	5.02	470.34	4.33	471.03	4.50	470.86	6.19	469.17	4.93	470.43
MW-24S	3.05	468.06	2.93	468.18	2.9	468.21	2.71	468.40	1.14	469.97	3.23	467.88	2.90	468.21	2.82	468.29	2.29	468.82	2.78	468.33	2.40	468.71	2.41	468.70	3.11	468.00	2.55	468.56
MW-26B*	22.36	446.99	23.31	446.04	22.6	446.75	24.45	444.90	21.88	447.47	22.93	446.42	22.03	447.32	23.72	445.63	21.90	447.45	23.33	446.02	20.73	448.62	20.73	448.62	22.62	446.73	23.08	446.27
MW-26I	23.25	445.97	24.08	445.14	23.41	445.81	25.06	444.16	22.89	446.33	23.77	445.45	22.99	446.23	22.63	446.59	23.07	446.15	NM	NM	21.90	447.32	21.90	447.32	23.74	445.48	24.13	445.09
MW-26S	7.46	462.06	6.62	462.90	6.73	462.79	6.74	462.78	6.24	463.28	6.68	462.84	6.47	463.05	6.46	463.06	6.27	463.25	6.68	462.84	6.6	462.92	6.62	462.90	6.5	463.02	6.63	462.89
MW-29	4.64	469.96	4.41	470.19	4.28	470.32	3.78	470.82	3.26	471.34	4.28	470.32	3.7	470.90	3.46	471.14	3.27	471.33	3.77	470.83	3.13	471.47	3.29	471.31	3.35	471.25	3.52	471.08
MW-34	1.94	NA	2.00	469.55	2.04	469.51	1.90	469.65	1.84	469.71	2.17	469.38	1.93	469.62	1.95	469.60	1.90	469.65	1.01	470.54	1.90	469.65	1.81	469.74	2.03	469.52	1.77	469.78
MW-35	1.68	NA	1.88	469.30	1.69	469.49	1.81	469.37	1.10	470.08	1.86	469.32	1.57	469.61	1.75	469.43	1.73	469.45	1.75	469.43	2.05	469.13	1.61	469.57	1.92	469.26	1.53	469.65
MW-36	7.00	NA	6.56	463.00	3.71	465.85	1.58	467.98	3.05	466.51	3.30	466.26	2.01	467.55	2.68	466.88	4.65	464.91	1.71	467.85	1.51	468.05	2.03	467.53	0.60	468.96	1.72	467.84
TW/BRW-1S	NM***	NM	3.18	467.31	NM***	NA	NM***	NA	1.90	468.59	1.98	468.51	3.06	467.43	2.94	467.55	2.31	468.18	2.32	468.17	2.27	468.22	2.17	468.32	1.69	468.80	2.47	468.02
TW/BRW-1R*	23.20	447.19	24.17	446.22	23.4	446.99	25.38	445.01	22.71	447.68	23.79	446.60	22.9	447.49	22.61	447.78	23.07	447.32	24.22	446.17	21.48	448.91	21.48	448.91	22.5	447.89	23.94	446.45

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

NA - Not Available

NM - Not Measured

* Bedrock screened well

** Well is destroyed

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

Table 3
Summary of Validated Analytical Results - VOCs 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	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	4/16/2019	3/31/2020	3/23/2021	4/12/2022	4/4/2023	5/29/2024	5/27/2025
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
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	2.7
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	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	1.5 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	1.8 J
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	2.6
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	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	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	2.5 U
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	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	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	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	1.0 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	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	2.5 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	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	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	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	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	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	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	0.5 U
Bromoform	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	2.0 U
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.0 U
Total TIC Compounds	--	ND	1.3 J	5.86 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

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	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	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	5/27/2025
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
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	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	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	1.5 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	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	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	2.5 UJ
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	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	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	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	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	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	1.0 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	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	2.50 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	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	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	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	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	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	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	0.5 U
Bromoform	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.0 U
Total TIC Compounds	--	ND	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	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	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	4/4/2023	5/29/2024	5/28/2025
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
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	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	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	1.5 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	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	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	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	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	2.5 U
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	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	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	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	1.0 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	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	2.5 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	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	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	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	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	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	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	0.5 U
Bromoform	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	2.0 U
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	5/28/2025
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
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	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	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	1.5 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	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	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	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	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	2.5 U
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	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	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	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	1.0 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	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	2.5 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	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	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	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+	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	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	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	0.5 U
Bromoform	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	2.0 U
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.0 U
Total TIC Compounds	--	ND	ND	3.4 J	ND	ND	ND	ND	ND	2.6 J	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 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	DUP-MW-X 12/5/2017 ug/L	DUP-MW-X 4/24/2018 ug/L	DUP 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 4/5/2023 ug/L	DUP-MW-X 5/28/2024 ug/L	DUP 5/28/2025 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	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	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	1.5 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	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	0.47 J	0.47 J	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	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	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	2.5 U
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	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	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	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	1.0 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	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	2.5 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	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	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	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+	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	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	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	0.5 U
Bromoform	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	2.0 U
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	5/28/2025
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
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	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	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	1.5 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	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	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	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	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	2.5 U
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	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	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	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	1.0 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	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	2.5 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	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	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	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	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	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	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	0.5 U
Bromoform	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	2.0 U
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.0 U
Total TIC Compounds	--	ND	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 Units	NYSDEC Class GA Standard (ug/L)	TW/BRW-01S 5/27/2015 ug/L	TW/BRW-01S 11/13/2015 ug/L	TW/BRW-01S 5/10/2016 ug/L	TW/BRW-01S 12/6/2016 ug/L	TW/BRW-01S 4/3/2017 ug/L	TW/BRW-01S 12/5/2017 ug/L	TW/BRW-01S 4/24/2018 ug/L	TW/BRW-01S 4/17/2019 ug/L	TW/BRW-01S 3/31/2020 ug/L	TW/BRW-01S 3/23/2021 ug/L	TW/BRW-01S 4/12/2022 ug/L	TW/BRW-01S 4/4/2023 ug/L	TW/BRW-01S 5/29/2024 ug/L	TW/BRW-01S 5/28/2025 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	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	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	1.5 U
1,1-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	2.5 U
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	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	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	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	2.5 U
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	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	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	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	1.0 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	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	2.5 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	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	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	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	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	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	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	0.5 U
Bromoform	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	2.0 U
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.0 U
Total TIC Compounds	--	ND	ND	ND	1.22 J	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	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	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	5/28/2025
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
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	2.5 U
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	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	1.5 U
1,1-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	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	0.5 U
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	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	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	2.5 U
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	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	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	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	1.0 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	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	2.5 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	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	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	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	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	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	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	0.5 U
Bromoform	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	2.0 U
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	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	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	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	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	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	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	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	2.5 U
cis-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 UJ	0.5 U	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.0 U
Total TIC Compounds	--	2.8 J	1.1 J	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	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	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	5/27/2025
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
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	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	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	1.5 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	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	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	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	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	2.5 U
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	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	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	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	1.0 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	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	2.5 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	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	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	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	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	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	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	0.5 U
Bromoform	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	2.0 U
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.0 U
Total TIC Compounds	--	ND	3.1 J	ND	ND	ND	--	ND	ND	1.03 J	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	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	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	5/28/2025
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
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	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	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	1.5 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**	**110**
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**	**8**
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	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	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	2.5 U
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	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	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	0.50 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	1.0 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	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	2.5 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	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	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	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+	7.5 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**	**2**
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	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	0.5 U
Bromoform	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	2.0 U
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	2.0 UJ
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	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	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	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	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	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	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	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	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	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	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	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	2.5 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	0.19 J
Total TIC Compounds	--	ND	ND	ND	ND	ND	--	ND	ND	2.74 J	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	NYSDEC	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	EquipmentBlank-20210322	Field Blank	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	3/22/2021	4/12/2022	4/5/2023	5/29/2024	5/28/2025
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
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	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	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	1.5 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	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	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	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	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	2.5 U
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	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	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	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	1.0 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	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	2.5 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	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	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	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	2.2 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	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	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	0.5 U
Bromoform	50*	2.0 U	2.0 U	2.0 U	2.0 J	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	2.0 U
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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** **Units**	NYSDEC Class GA Standard (ug/L)	Trip Blank 5/27/2015 ug/L	Trip Blank 5/28/2015 ug/L	Trip Blank 11/12/2015 ug/L	Trip Blank 5/10/2016 ug/L	Trip Blank 12/6/2016 ug/L	Trip Blank 4/3/2017 ug/L	Trip Blank 4/24/2018 ug/L	Trip Blank 4/17/2019 ug/L	Trip Blank 3/31/2020 ug/L	Trip Blank-20210322 3/22/2021 ug/L	Trip Blank 4/11/2022 ug/L	Trip Blank 4/4/2023 ug/L	Trip Blank 5/28/2024 ug/L	Trip Blank 5/27/2025 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	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	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	1.5 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	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	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	2.5 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	2.5 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	2.5 U
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 UJ	0.5 U	0.5 U	0.5 U	0.5 U	2 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	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	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 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	2.5 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	2.5 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	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	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	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	3.7
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	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	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	0.5 U
Bromoform	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	2.0 U
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	2.5 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	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	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	2.5 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	2.5 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	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	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	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 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	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	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	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	2.5 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	2.5 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	2.5 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	2 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	10 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	2.5 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	2.5 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	2.5 U
p/m-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	2.5 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	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	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	2.5 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	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	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	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	2.5 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	1 U
Total TIC Compounds	--	ND	ND	ND	ND	ND	3.39 J	3.39 J	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 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	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	5/27/2025
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	0.071 U	0.071 U	0.036 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	0.036 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	0.036 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	0.036 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	0.036 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	0.036 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	0.036 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	0.036 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	0.036 U	0.071 U	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown

*Appies 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	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	5/27/2025
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	0.071 U	0.071 U	0.036 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	0.036 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	0.036 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	0.036 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	0.036 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	0.036 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	0.036 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	0.036 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	0.036 U	0.071 U	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown

*Appies to the sum of these compounds.

ND = Not Detected

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

= 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	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	5/28/2025
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	0.071 U	0.071 U	0.036 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	0.036 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	0.036 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	0.036 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	0.036 U	0.071 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	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	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	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	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown

*Appies to the sum of these compounds.

ND = Not Detected

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

= 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	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	5/28/2025
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	0.071 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	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	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	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	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	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	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	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	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown

*Appies to the sum of these compounds.

ND = Not Detected

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

= 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	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	5/27/2025
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	0.071 U	0.071 U	0.036 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	0.036 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	0.036 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	0.036 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	0.036 U	0.071 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	**0.135**
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	**0.090**
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	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	0.071 U
Total PCBs	0.09*	**0.346**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.225**

NOTES:

U = Compound not detected; laboratory reporting limit shown

*Appies to the sum of these compounds.

ND = Not Detected

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

= 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	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	5/28/2025
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	0.071 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	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	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	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	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	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	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	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	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown

*Appies to the sum of these compounds.

ND = Not Detected

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

= 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	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	5/28/2025
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	0.071 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	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	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	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	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	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	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	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	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown

*Appies to the sum of these compounds.

ND = Not Detected

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

= 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	DUP-X	DUP-X	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE	DUPLICATE	DUP-20200331	DUP-20210322-1	DUP-MW-X	DUP-MW-X	DUP-MW-X	DUP
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	4/5/2022	5/28/2024	5/28/2025
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	0.071 U	0.071 U	0.036 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	0.036 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	0.036 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	0.036 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	0.036 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	0.036 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	0.036 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	0.036 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	0.036 U	0.071 U	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown

*Appies to the sum of these compounds.

ND = Not Detected

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

= 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	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	5/28/2025
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	0.071 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	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	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	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	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	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	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	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	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown

*Appies to the sum of these compounds.

ND = Not Detected

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

= 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	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	5/28/2025
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	0.071 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	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	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	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	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	**0.183**
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	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	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	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	**0.183**

NOTES:

U = Compound not detected; laboratory reporting limit shown

*Appies to the sum of these compounds.

ND = Not Detected

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

= 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	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	EQUIPMENT 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	4/11/2022	4/5/2023	5/29/2024	5/28/2025
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	0.071 U	0.071 U	0.036 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	0.036 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	0.036 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	0.036 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	0.036 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	**0.151**	0.071 U	0.036 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	**0.120**	0.071 U	0.036 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	0.036 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	0.036 U	0.071 U	0.071 U
Total PCBs	0.09*	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.271**	ND	ND	ND	ND

NOTES:

U = Compound not detected; laboratory reporting limit shown

*Appies to the sum of these compounds.

ND = Not Detected

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

= Concentration exceeds NYSDEC Class GA Standard

APPENDIX A

Second Quarter 2025 Site and Well Inspection Forms

Site Inspection Form

Date Performed: 5/27/25
Site Name: Goulds Pumps Cobalt Site (No. C850012)
Site Location: Seneca Falls, NY

Weather: 79°F, Partly Cloudy, Wind S, 8mph
Inspector Name: A. Gibson
Inspector Signature: A

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	None
A2	*Pavement*	Y	Y	AG ~~N~~ N	None
A3	*Pavement*	Y	Y	N	None
B1	*Topsoil and Grass*	Y	Y	N	None
B2	*Topsoil and Grass*	Y	Y	N	None
C1	*Riprap Spillway*	Y	Y	N	None
C2	*Riprap Spillway*	Y	Y	N	None
C3	*Riprap Spillway*	Y	Y	N	None
C4	*Riprap Spillway*	Y	Y	N	None
C5	*Riprap Slope Protection*	Y	Y	N	None
D1	*Concrete*	Y	Y	N	None
D2	*Concrete*	Y	Y	N	None

Site Inspection Form

D3	*Concrete*	Y	Y	N	None
D4	*Concrete*	Y	Y	N	None
D5	*Concrete*	Y	Y	N	None
D6	*Concrete*	Y	Y	N	None
D7	*Concrete*	Y	Y	N	None
D8	*Concrete*	Y	Y	N	None
D9	*Concrete*	Y	Y	N	None
D10	*Concrete*	Y	Y	N	None
D11	*Concrete*	Y	Y	N	None
D12	*Concrete*	Y	Y	N	None
E1	*Gravel*	Y	Y	N	None
E2	*Gravel*	Y	Y	N	None
E3	*Gravel*	Y	Y	N	None
E4	*Gravel*	Y	Y	N	None
E5	*Gravel*	Y	Y	N	None
F	*NWSA Cap*	Y	Y	N	None

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	None

Well Inspection Form

Date Performed: ~~ST~~ AG 5/27/25
Site Name: Goulds Pumps Cobalt Site (No. C850012)
Site Location: Seneca Falls, NY

Weather: 67°F, partly 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	Y	Y	N	
MW-08R	Y	Y	N	
MW-10S	Y	Y	N	
MW-18SR	Y	Y	N	
MW-19SR	Y	Y	Y	Required new bolts bolts replaced
MW-23S	Y	Y	N	
MW-24S	Y	Y	N	
MW-26B	Y	Y	N	
MW-26I	Y	Y	N	
MW-26S	Y	Y	N	
MW-29	Y	Y	N	
MW-34	Y	Y	N	
MW-35	Y	Y	N	
MW-36	Y	Y	N	
MW-5S	Y	Y	Y	Needed new bolts, bolts replaced
MW-8S	Y	Y	N	
TW/BRW-01R	Y	Y	N	
TW/BRW-01S	Y	Y	N	
TW-02	N	NA	NA	Well abandoned
TW-17	Y	Y	N	

Conditions to Review

a. depth Sounding matches construction
b. well pad is not broken or falling apart
c. lock functions properly
d. well cap is functional and properly preventing water infiltration
e. well casing or flush mount protective cover is protective the well

APPENDIX B

Summary Data Package – Pace Analytical

ANALYTICAL REPORT

Lab Number:	L2533846
Client:	Arcadis U.S, Inc. Arcadis of New York, Inc. 646 Plank Road, Suite 100 Albany, NY 12065
ATTN:	Elias Moskal
Phone:	(518) 650-7808
Project Name:	GOULDS PUMPS, COBALT SITE
Project Number:	30285498
Report Date:	06/13/25

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 PUMPS, COBALT SITE
Project Number: 30285498

Lab Number: L2533846
Report Date: 06/13/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2533846-01	FIELD BLANK	WATER	SENECA FALLS, NY 13148	05/28/25 08:10	05/30/25
L2533846-02	MW-36	WATER	SENECA FALLS, NY 13148	05/28/25 14:25	05/30/25
L2533846-03	MW-26S	WATER	SENECA FALLS, NY 13148	05/27/25 15:10	05/30/25
L2533846-04	TW/BRW-01D	WATER	SENECA FALLS, NY 13148	05/28/25 13:07	05/30/25
L2533846-05	MW-35	WATER	SENECA FALLS, NY 13148	05/28/25 12:50	05/30/25
L2533846-06	DUP	WATER	SENECA FALLS, NY 13148	05/28/25 00:00	05/30/25
L2533846-07	TW/BRW-01R	WATER	SENECA FALLS, NY 13148	05/28/25 09:58	05/30/25
L2533846-08	MW-18SR	WATER	SENECA FALLS, NY 13148	05/25/25 17:25	05/30/25
L2533846-09	MW-34	WATER	SENECA FALLS, NY 13148	05/28/25 11:25	05/30/25
L2533846-10	MW-24S	WATER	SENECA FALLS, NY 13148	05/28/25 09:55	05/30/25
L2533846-11	TRIP BLANK	WATER	SENECA FALLS, NY 13148	05/28/25 00:00	05/30/25
L2533846-12	MW-19SR	WATER	SENECA FALLS, NY 13148	05/27/25 17:10	05/30/25

Project Name:	GOULDS PUMPS, COBALT SITE	**Lab Number:**	L2533846
Project Number:	30285498	**Report Date:**	06/13/25

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 Pace 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 and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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, Pace'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 Pace Project Manager and made arrangements for Pace 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 PUMPS, COBALT SITE	**Lab Number:**	L2533846
Project Number:	30285498	**Report Date:**	06/13/25

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

The WG2077247-6/-7 MS/MSD recoveries performed on L2533846-07 are outside the acceptance criteria for 1,1-dichloroethane (0%/0%). The unacceptable percent recoveries are 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: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 06/13/25

ORGANICS

VOLATILES

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-01
Client ID: FIELD BLANK
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 08:10
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/09/25 21:43
Analyst: RAW

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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-01 Date Collected: 05/28/25 08:10

Client ID: FIELD BLANK Date Received: 05/30/25

Sample Location: SENECA FALLS, NY 13148 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	2.2	J	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	94		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-02
Client ID: MW-36
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 14:25
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/09/25 22:10
Analyst: RAW

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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-02 Date Collected: 05/28/25 14:25

Client ID: MW-36 Date Received: 05/30/25

Sample Location: SENECA FALLS, NY 13148 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	96		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	93		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-03
Client ID: MW-26S
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/27/25 15:10
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/09/25 22:36
Analyst: RAW

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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-03 Date Collected: 05/27/25 15:10

Client ID: MW-26S Date Received: 05/30/25

Sample Location: SENECA FALLS, NY 13148 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	2.2	J	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	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-04
Client ID: TW/BRW-01D
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 13:07
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/09/25 23:02
Analyst: RAW

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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-04 Date Collected: 05/28/25 13:07

Client ID: TW/BRW-01D Date Received: 05/30/25

Sample Location: SENECA FALLS, NY 13148 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	95		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-05
Client ID: MW-35
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 12:50
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/09/25 23:29
Analyst: RAW

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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-05 Date Collected: 05/28/25 12:50

Client ID: MW-35 Date Received: 05/30/25

Sample Location: SENECA FALLS, NY 13148 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	1.6	J	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	95		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-06
Client ID: DUP
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 00:00
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/09/25 23:55
Analyst: RAW

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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-06 Date Collected: 05/28/25 00:00

Client ID: DUP Date Received: 05/30/25

Sample Location: SENECA FALLS, NY 13148 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	2.1	J	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	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-07
Client ID: TW/BRW-01R
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 09:58
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/10/25 00:22
Analyst: RAW

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	110		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	2.0		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	0.19	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	8.0		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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-07 Date Collected: 05/28/25 09:58

Client ID: TW/BRW-01R Date Received: 05/30/25

Sample Location: SENECA FALLS, NY 13148 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	7.5		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	92	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	94		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-08
Client ID: MW-18SR
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/25/25 17:25
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/25 18:17
Analyst: PID

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	1.8	J	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	2.7		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	2.6		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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-08 Date Collected: 05/25/25 17:25

Client ID: MW-18SR Date Received: 05/30/25

Sample Location: SENECA FALLS, NY 13148 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	4.2	J	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	96		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-09
Client ID: MW-34
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 11:25
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/10/25 00:48
Analyst: RAW

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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-09 Date Collected: 05/28/25 11:25

Client ID: MW-34 Date Received: 05/30/25

Sample Location: SENECA FALLS, NY 13148 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	95		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	96		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-10
Client ID: MW-24S
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 09:55
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/10/25 01:14
Analyst: RAW

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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-10 Date Collected: 05/28/25 09:55

Client ID: MW-24S Date Received: 05/30/25

Sample Location: SENECA FALLS, NY 13148 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	1.6	J	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	95		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-11
Client ID: TRIP BLANK
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 00:00
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/10/25 01:40
Analyst: RAW

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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-11 Date Collected: 05/28/25 00:00

Client ID: TRIP BLANK Date Received: 05/30/25

Sample Location: SENECA FALLS, NY 13148 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	3.7	J	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	97		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-12
Client ID: MW-19SR
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/27/25 17:10
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/09/25 09:26
Analyst: KAB

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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-12 Date Collected: 05/27/25 17:10

Client ID: MW-19SR Date Received: 05/30/25

Sample Location: SENECA FALLS, NY 13148 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	92		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/25 12:57
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG2076281-5					
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
1,1,2,2-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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/25 12:57
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG2076281-5					
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 PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/25 12:57
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG2076281-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/09/25 08:59
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG2077166-5					
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
1,1,2,2-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 PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/09/25 08:59
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG2077166-5					
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 PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/09/25 08:59
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG2077166-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/09/25 21:17
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09-11 Batch: WG2077247-5					
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
1,1,2,2-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 PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/09/25 21:17
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09-11 Batch: WG2077247-5					
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 PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/09/25 21:17
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07,09-11 Batch: WG2077247-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG2076281-3 WG2076281-4								
Methylene chloride	99		96		70-130	3		20
1,1-Dichloroethane	100		98		70-130	2		20
Chloroform	100		96		70-130	4		20
Carbon tetrachloride	100		98		63-132	2		20
1,2-Dichloropropane	98		97		70-130	1		20
Dibromochloromethane	96		98		63-130	2		20
1,1,2-Trichloroethane	94		97		70-130	3		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	99		99		62-150	0		20
1,2-Dichloroethane	99		98		70-130	1		20
1,1,1-Trichloroethane	98		97		67-130	1		20
Bromodichloromethane	100		98		67-130	2		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		98		70-130	2		20
Bromoform	92		95		54-136	3		20
1,1,2,2-Tetrachloroethane	89		93		67-130	4		20
Benzene	100		99		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	100		98		64-130	2		20
Bromomethane	100		98		39-139	2		20
Vinyl chloride	100		99		55-140	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498

Lab Number: L2533846
Report Date: 06/13/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG2076281-3 WG2076281-4								
Chloroethane	100		99		55-138	1		20
1,1-Dichloroethene	93		95		61-145	2		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	96		94		70-130	2		20
1,2-Dichlorobenzene	97		98		70-130	1		20
1,3-Dichlorobenzene	100		97		70-130	3		20
1,4-Dichlorobenzene	98		96		70-130	2		20
Methyl tert butyl ether	94		96		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	100		98		36-147	2		20
Acetone	110		90		58-148	20		20
Carbon disulfide	98		100		51-130	2		20
2-Butanone	88		96		63-138	9		20
4-Methyl-2-pentanone	92		98		59-130	6		20
2-Hexanone	89		90		57-130	1		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	97		97		70-130	0		20
1,2-Dibromo-3-chloropropane	87		97		41-144	11		20
Isopropylbenzene	100		97		70-130	3		20
1,2,3-Trichlorobenzene	90		99		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG2076281-3 WG2076281-4								
1,2,4-Trichlorobenzene	93		98		70-130	5		20
Methyl Acetate	95		98		70-130	3		20
Cyclohexane	94		92		70-130	2		20
1,4-Dioxane	116		120		56-162	3		20
Freon-113	91		99		70-130	8		20
Methyl cyclohexane	94		91		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG2077166-3 WG2077166-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		120		63-132	9		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	86		88		63-130	2		20
1,1,2-Trichloroethane	90		91		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	99		99		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	99		100		70-130	1		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	96		98		67-130	2		20
trans-1,3-Dichloropropene	92		91		70-130	1		20
cis-1,3-Dichloropropene	97		99		70-130	2		20
Bromoform	76		78		54-136	3		20
1,1,2,2-Tetrachloroethane	81		85		67-130	5		20
Benzene	100		100		70-130	0		20
Toluene	100		99		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	**140**	Q	130		39-139	7		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG2077166-3 WG2077166-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	90		93		70-130	3		20
1,3-Dichlorobenzene	93		95		70-130	2		20
1,4-Dichlorobenzene	90		94		70-130	4		20
Methyl tert butyl ether	89		92		63-130	3		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	95		92		58-148	3		20
Carbon disulfide	120		120		51-130	0		20
2-Butanone	78		87		63-138	11		20
4-Methyl-2-pentanone	78		81		59-130	4		20
2-Hexanone	76		81		57-130	6		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	89		91		70-130	2		20
1,2-Dibromo-3-chloropropane	68		77		41-144	12		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	76		86		70-130	12		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG2077166-3 WG2077166-4								
1,2,4-Trichlorobenzene	82		89		70-130	8		20
Methyl Acetate	90		92		70-130	2		20
Cyclohexane	120		110		70-130	9		20
1,4-Dioxane	88		98		56-162	11		20
Freon-113	130		130		70-130	0		20
Methyl cyclohexane	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		95		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09-11 Batch: WG2077247-3 WG2077247-4								
Methylene chloride	93		91		70-130	2		20
1,1-Dichloroethane	96		95		70-130	1		20
Chloroform	94		93		70-130	1		20
Carbon tetrachloride	100		98		63-132	2		20
1,2-Dichloropropane	91		90		70-130	1		20
Dibromochloromethane	85		85		63-130	0		20
1,1,2-Trichloroethane	90		89		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	99		98		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	91		92		70-130	1		20
1,1,1-Trichloroethane	96		96		67-130	0		20
Bromodichloromethane	87		87		67-130	0		20
trans-1,3-Dichloropropene	86		87		70-130	1		20
cis-1,3-Dichloropropene	84		85		70-130	1		20
Bromoform	76		76		54-136	0		20
1,1,2,2-Tetrachloroethane	87		88		67-130	1		20
Benzene	95		95		70-130	0		20
Toluene	100		99		70-130	1		20
Ethylbenzene	99		98		70-130	1		20
Chloromethane	89		90		64-130	1		20
Bromomethane	130		120		39-139	8		20
Vinyl chloride	98		100		55-140	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498

Lab Number: L2533846
Report Date: 06/13/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07,09-11 Batch: WG2077247-3 WG2077247-4								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	100		99		61-145	1		20
trans-1,2-Dichloroethene	94		93		70-130	1		20
Trichloroethene	92		92		70-130	0		20
1,2-Dichlorobenzene	97		98		70-130	1		20
1,3-Dichlorobenzene	99		99		70-130	0		20
1,4-Dichlorobenzene	97		96		70-130	1		20
Methyl tert butyl ether	81		82		63-130	1		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	93		93		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	84		72		58-148	15		20
Carbon disulfide	96		100		51-130	4		20
2-Butanone	78		81		63-138	4		20
4-Methyl-2-pentanone	82		81		59-130	1		20
2-Hexanone	70		76		57-130	8		20
Bromochloromethane	95		95		70-130	0		20
1,2-Dibromoethane	92		91		70-130	1		20
1,2-Dibromo-3-chloropropane	69		75		41-144	8		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	81		87		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 01-07,09-11		Batch: WG2077247-3 WG2077247-4					
1,2,4-Trichlorobenzene	85		88		70-130	3		20
Methyl Acetate	84		79		70-130	6		20
Cyclohexane	98		98		70-130	0		20
1,4-Dioxane	72		72		56-162	0		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	95		94		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	98		98		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

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): 01-07,09-11 QC Batch ID: WG2077247-6 WG2077247-7 QC Sample: L2533846-07 Client ID: TW/BRW-01R												
Methylene chloride	ND	10	8.8	88		8.9	89		70-130	1		20
1,1-Dichloroethane	110	10	110	**0**	Q	110	**0**	Q	70-130	0		20
Chloroform	ND	10	9.1	91		9.2	92		70-130	1		20
Carbon tetrachloride	ND	10	9.8	98		9.4	94		63-132	4		20
1,2-Dichloropropane	ND	10	8.9	89		8.9	89		70-130	0		20
Dibromochloromethane	ND	10	8.0	80		8.0	80		63-130	0		20
1,1,2-Trichloroethane	ND	10	8.4	84		8.7	87		70-130	4		20
Tetrachloroethene	ND	10	9.7	97		9.2	92		70-130	5		20
Chlorobenzene	ND	10	9.4	94		9.0	90		75-130	4		20
Trichlorofluoromethane	ND	10	11	110		10	100		62-150	10		20
1,2-Dichloroethane	ND	10	9.0	90		9.1	91		70-130	1		20
1,1,1-Trichloroethane	ND	10	9.9	99		9.8	98		67-130	1		20
Bromodichloromethane	ND	10	8.2	82		8.4	84		67-130	2		20
trans-1,3-Dichloropropene	ND	10	7.8	78		7.8	78		70-130	0		20
cis-1,3-Dichloropropene	ND	10	7.6	76		7.5	75		70-130	1		20
Bromoform	ND	10	7.0	70		7.0	70		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	8.1	81		8.3	83		67-130	2		20
Benzene	2.0	10	11	90		11	90		70-130	0		20
Toluene	ND	10	9.5	95		9.2	92		70-130	3		20
Ethylbenzene	ND	10	9.4	94		9.0	90		70-130	4		20
Chloromethane	ND	10	9.5	95		9.7	97		64-130	2		20
Bromomethane	ND	10	8.0	80		10	100		39-139	**22**	Q	20
Vinyl chloride	0.19J	10	11	110		10	100		55-140	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

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): 01-07,09-11 QC Batch ID: WG2077247-6 WG2077247-7 QC Sample: L2533846-07 Client ID: TW/BRW-01R												
Chloroethane	ND	10	11	110		11	110		55-138	0		20
1,1-Dichloroethene	8.0	10	18	100		17	90		61-145	6		20
trans-1,2-Dichloroethene	ND	10	9.4	94		9.2	92		70-130	2		20
Trichloroethene	ND	10	9.0	90		8.7	87		70-130	3		20
1,2-Dichlorobenzene	ND	10	8.8	88		8.8	88		70-130	0		20
1,3-Dichlorobenzene	ND	10	9.1	91		8.8	88		70-130	3		20
1,4-Dichlorobenzene	ND	10	8.9	89		8.7	87		70-130	2		20
Methyl tert butyl ether	ND	10	7.6	76		7.9	79		63-130	4		20
p/m-Xylene	ND	20	19	95		18	90		70-130	5		20
o-Xylene	ND	20	18	90		18	90		70-130	0		20
cis-1,2-Dichloroethene	ND	10	9.3	93		9.0	90		70-130	3		20
Styrene	ND	20	18	90		17	85		70-130	6		20
Dichlorodifluoromethane	ND	10	11	110		10	100		36-147	10		20
Acetone	7.5	10	15	75		14	65		58-148	7		20
Carbon disulfide	ND	10	9.9	99		9.7	97		51-130	2		20
2-Butanone	ND	10	7.8	78		8.1	81		63-138	4		20
4-Methyl-2-pentanone	ND	10	7.3	73		7.7	77		59-130	5		20
2-Hexanone	ND	10	6.6	66		6.4	64		57-130	3		20
Bromochloromethane	ND	10	9.2	92		9.1	91		70-130	1		20
1,2-Dibromoethane	ND	10	8.3	83		8.3	83		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	6.4	64		6.8	68		41-144	6		20
Isopropylbenzene	ND	10	9.6	96		9.1	91		70-130	5		20
1,2,3-Trichlorobenzene	ND	10	7.6	76		8.1	81		70-130	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

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): 01-07,09-11 QC Batch ID: WG2077247-6 WG2077247-7 QC Sample: L2533846-07 Client ID: TW/BRW-01R												
1,2,4-Trichlorobenzene	ND	10	7.8	78		7.8	78		70-130	0		20
Methyl Acetate	ND	10	5.7	**57**	Q	6.3	**63**	Q	70-130	10		20
Cyclohexane	ND	10	9.2J	92		8.4J	84		70-130	9		20
1,4-Dioxane	92J	500	330	66		350	70		56-162	6		20
Freon-113	ND	10	11	110		9.9	99		70-130	11		20
Methyl cyclohexane	ND	10	8.5J	85		8.0J	80		70-130	6		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		97		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	98		97		70-130
Toluene-d8	103		103		70-130

PCBS

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-01
Client ID: FIELD BLANK
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 08:10
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/25 11:05
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/06/25 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.013	1	A
Aroclor 1221	ND		ug/l	0.071	0.015	1	A
Aroclor 1232	ND		ug/l	0.071	0.015	1	A
Aroclor 1242	ND		ug/l	0.071	0.015	1	A
Aroclor 1248	ND		ug/l	0.071	0.015	1	A
Aroclor 1254	ND		ug/l	0.071	0.015	1	A
Aroclor 1260	ND		ug/l	0.071	0.015	1	A
Aroclor 1262	ND		ug/l	0.071	0.015	1	A
Aroclor 1268	ND		ug/l	0.071	0.015	1	A
PCBs, Total	ND		ug/l	0.071	0.013	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-02
Client ID: MW-36
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 14:25
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/25 11:14
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/06/25 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.013	1	A
Aroclor 1221	ND		ug/l	0.071	0.015	1	A
Aroclor 1232	ND		ug/l	0.071	0.015	1	A
Aroclor 1242	ND		ug/l	0.071	0.015	1	A
Aroclor 1248	ND		ug/l	0.071	0.015	1	A
Aroclor 1254	ND		ug/l	0.071	0.015	1	A
Aroclor 1260	ND		ug/l	0.071	0.015	1	A
Aroclor 1262	ND		ug/l	0.071	0.015	1	A
Aroclor 1268	ND		ug/l	0.071	0.015	1	A
PCBs, Total	ND		ug/l	0.071	0.013	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-03
Client ID: MW-26S
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/27/25 15:10
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/25 11:24
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/06/25 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.013	1	A
Aroclor 1221	ND		ug/l	0.071	0.015	1	A
Aroclor 1232	ND		ug/l	0.071	0.015	1	A
Aroclor 1242	ND		ug/l	0.071	0.015	1	A
Aroclor 1248	ND		ug/l	0.071	0.015	1	A
Aroclor 1254	ND		ug/l	0.071	0.015	1	A
Aroclor 1260	ND		ug/l	0.071	0.015	1	A
Aroclor 1262	ND		ug/l	0.071	0.015	1	A
Aroclor 1268	ND		ug/l	0.071	0.015	1	A
PCBs, Total	ND		ug/l	0.071	0.013	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-04
Client ID: TW/BRW-01D
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 13:07
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/25 11:33
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/06/25 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.013	1	A
Aroclor 1221	ND		ug/l	0.071	0.015	1	A
Aroclor 1232	ND		ug/l	0.071	0.015	1	A
Aroclor 1242	ND		ug/l	0.071	0.015	1	A
Aroclor 1248	ND		ug/l	0.071	0.015	1	A
Aroclor 1254	0.183		ug/l	0.071	0.015	1	B
Aroclor 1260	ND		ug/l	0.071	0.015	1	A
Aroclor 1262	ND		ug/l	0.071	0.015	1	A
Aroclor 1268	ND		ug/l	0.071	0.015	1	A
PCBs, Total	0.183		ug/l	0.071	0.013	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-05
Client ID: MW-35
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 12:50
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/25 11:42
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/06/25 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.013	1	A
Aroclor 1221	ND		ug/l	0.071	0.015	1	A
Aroclor 1232	ND		ug/l	0.071	0.015	1	A
Aroclor 1242	ND		ug/l	0.071	0.015	1	A
Aroclor 1248	ND		ug/l	0.071	0.015	1	A
Aroclor 1254	ND		ug/l	0.071	0.015	1	A
Aroclor 1260	ND		ug/l	0.071	0.015	1	A
Aroclor 1262	ND		ug/l	0.071	0.015	1	A
Aroclor 1268	ND		ug/l	0.071	0.015	1	A
PCBs, Total	ND		ug/l	0.071	0.013	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-06
Client ID: DUP
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 00:00
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/25 11:52
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/06/25 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.013	1	A
Aroclor 1221	ND		ug/l	0.071	0.015	1	A
Aroclor 1232	ND		ug/l	0.071	0.015	1	A
Aroclor 1242	ND		ug/l	0.071	0.015	1	A
Aroclor 1248	ND		ug/l	0.071	0.015	1	A
Aroclor 1254	ND		ug/l	0.071	0.015	1	A
Aroclor 1260	ND		ug/l	0.071	0.015	1	A
Aroclor 1262	ND		ug/l	0.071	0.015	1	A
Aroclor 1268	ND		ug/l	0.071	0.015	1	A
PCBs, Total	ND		ug/l	0.071	0.013	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-07
Client ID: TW/BRW-01R
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 09:58
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/25 12:01
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/06/25 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.013	1	A
Aroclor 1221	ND		ug/l	0.071	0.015	1	A
Aroclor 1232	ND		ug/l	0.071	0.015	1	A
Aroclor 1242	ND		ug/l	0.071	0.015	1	A
Aroclor 1248	ND		ug/l	0.071	0.015	1	A
Aroclor 1254	ND		ug/l	0.071	0.015	1	A
Aroclor 1260	ND		ug/l	0.071	0.015	1	A
Aroclor 1262	ND		ug/l	0.071	0.015	1	A
Aroclor 1268	ND		ug/l	0.071	0.015	1	A
PCBs, Total	ND		ug/l	0.071	0.013	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-08
Client ID: MW-18SR
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/25/25 17:25
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/25 12:29
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/06/25 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.013	1	A
Aroclor 1221	ND		ug/l	0.071	0.015	1	A
Aroclor 1232	ND		ug/l	0.071	0.015	1	A
Aroclor 1242	ND		ug/l	0.071	0.015	1	A
Aroclor 1248	ND		ug/l	0.071	0.015	1	A
Aroclor 1254	ND		ug/l	0.071	0.015	1	A
Aroclor 1260	ND		ug/l	0.071	0.015	1	A
Aroclor 1262	ND		ug/l	0.071	0.015	1	A
Aroclor 1268	ND		ug/l	0.071	0.015	1	A
PCBs, Total	ND		ug/l	0.071	0.013	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-09
Client ID: MW-34
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 11:25
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/25 12:39
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/06/25 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.013	1	A
Aroclor 1221	ND		ug/l	0.071	0.015	1	A
Aroclor 1232	ND		ug/l	0.071	0.015	1	A
Aroclor 1242	ND		ug/l	0.071	0.015	1	A
Aroclor 1248	ND		ug/l	0.071	0.015	1	A
Aroclor 1254	ND		ug/l	0.071	0.015	1	A
Aroclor 1260	ND		ug/l	0.071	0.015	1	A
Aroclor 1262	ND		ug/l	0.071	0.015	1	A
Aroclor 1268	ND		ug/l	0.071	0.015	1	A
PCBs, Total	ND		ug/l	0.071	0.013	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-10
Client ID: MW-24S
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/28/25 09:55
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/25 12:48
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/06/25 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.013	1	A
Aroclor 1221	ND		ug/l	0.071	0.015	1	A
Aroclor 1232	ND		ug/l	0.071	0.015	1	A
Aroclor 1242	ND		ug/l	0.071	0.015	1	A
Aroclor 1248	ND		ug/l	0.071	0.015	1	A
Aroclor 1254	ND		ug/l	0.071	0.015	1	A
Aroclor 1260	ND		ug/l	0.071	0.015	1	A
Aroclor 1262	ND		ug/l	0.071	0.015	1	A
Aroclor 1268	ND		ug/l	0.071	0.015	1	A
PCBs, Total	ND		ug/l	0.071	0.013	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

SAMPLE RESULTS

Lab ID: L2533846-12
Client ID: MW-19SR
Sample Location: SENECA FALLS, NY 13148

Date Collected: 05/27/25 17:10
Date Received: 05/30/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/25 12:58
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/06/25 11:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.013	1	A
Aroclor 1221	ND		ug/l	0.071	0.015	1	A
Aroclor 1232	ND		ug/l	0.071	0.015	1	A
Aroclor 1242	ND		ug/l	0.071	0.015	1	A
Aroclor 1248	ND		ug/l	0.071	0.015	1	A
Aroclor 1254	0.135		ug/l	0.071	0.015	1	B
Aroclor 1260	0.090		ug/l	0.071	0.015	1	B
Aroclor 1262	ND		ug/l	0.071	0.015	1	A
Aroclor 1268	ND		ug/l	0.071	0.015	1	A
PCBs, Total	0.225		ug/l	0.071	0.013	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/06/25 20:41
Analyst: EMR

Extraction Method: EPA 3510C
Extraction Date: 06/05/25 21:21
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/25
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-10,12 Batch: WG2075533-1						
Aroclor 1016	ND		ug/l	0.071	0.013	A
Aroclor 1221	ND		ug/l	0.071	0.015	A
Aroclor 1232	ND		ug/l	0.071	0.015	A
Aroclor 1242	ND		ug/l	0.071	0.015	A
Aroclor 1248	ND		ug/l	0.071	0.015	A
Aroclor 1254	ND		ug/l	0.071	0.015	A
Aroclor 1260	ND		ug/l	0.071	0.015	A
Aroclor 1262	ND		ug/l	0.071	0.015	A
Aroclor 1268	ND		ug/l	0.071	0.015	A
PCBs, Total	ND		ug/l	0.071	0.013	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	69		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-10,12 Batch: WG2075533-2 WG2075533-3									
Aroclor 1016	78		78		40-140	0		50	A
Aroclor 1260	75		75		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		78		30-150	A
Decachlorobiphenyl	72		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		77		30-150	B
Decachlorobiphenyl	70		71		30-150	B

Matrix Spike Analysis
Batch Quality Control

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498
Lab Number: L2533846
Report Date: 06/13/25

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): 01-10,12 QC Batch ID: WG2075533-4 WG2075533-5 QC Sample: L2533846-07 Client ID: TW/BRW-01R													
Aroclor 1016	ND	2.5	2.09	84		1.70	68		40-140	21		50	A
Aroclor 1260	ND	2.5	1.99	80		1.63	65		40-140	20		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		67		30-150	A
Decachlorobiphenyl	80		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		67		30-150	B
Decachlorobiphenyl	78		63		30-150	B

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498

Lab Number: L2533846
Report Date: 06/13/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2533846-01A	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-01B	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-01C	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-01D	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-01E	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-01X	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-01Y	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-02A	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-02B	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-02C	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-02D	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-02E	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-02X	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-02Y	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-03A	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-03B	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-03C	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-03D	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-03E	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-03X	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-03Y	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-04A	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498

Lab Number: L2533846
Report Date: 06/13/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2533846-04B	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-04C	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-04D	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-04E	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-04X	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-04Y	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-05A	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-05B	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-05C	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-05D	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-05E	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-05X	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-05Y	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-06A	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-06B	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-06C	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-06D	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-06E	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-06X	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-06Y	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-07A	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-07A1	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-07A2	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-07B	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-07B1	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-07B2	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-07C	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-07C1	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498

Lab Number: L2533846
Report Date: 06/13/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2533846-07C2	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-07D	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-07D1	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		NYTCL-8082-RVT(365),FILTER-EXT(1)
L2533846-07D2	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		NYTCL-8082-RVT(365),FILTER-EXT(1)
L2533846-07E	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-07E1	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		NYTCL-8082-RVT(365),FILTER-EXT(1)
L2533846-07E2	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		NYTCL-8082-RVT(365),FILTER-EXT(1)
L2533846-07X	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-07X1	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-07X2	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-07Y	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-07Y1	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-07Y2	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-08A	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-08B	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-08C	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-08D	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-08E	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-08X	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-08Y	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-09A	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-09B	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-09C	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-09D	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-09E	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-09X	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-09Y	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-10A	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: GOULDS PUMPS, COBALT SITE
Project Number: 30285498

Lab Number: L2533846
Report Date: 06/13/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2533846-10B	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-10C	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-10D	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-10E	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-10X	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-10Y	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-11A	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-11B	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-12A	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-12B	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-12C	Vial HCl preserved	B	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L2533846-12D	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-12E	Amber 100ml unpreserved	B	7	7	2.8	Y	Absent		FILTER-EXT(1)
L2533846-12X	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)
L2533846-12Y	Amber 120ml unpreserved Filtrates	NA	NA			Y	Absent		NYTCL-8082-RVT(365)

Container Comments

L2533846-06C	Container Received Empty.

*Values in parentheses indicate holding time in days

Project Name:	GOULDS PUMPS, COBALT SITE	**Lab Number:**	L2533846
Project Number:	30285498	**Report Date:**	06/13/25

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

Project Name:	GOULDS PUMPS, COBALT SITE	**Lab Number:**	L2533846
Project Number:	30285498	**Report Date:**	06/13/25

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	GOULDS PUMPS, COBALT SITE	**Lab Number:**	L2533846
Project Number:	30285498	**Report Date:**	06/13/25

Data Qualifiers

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.)

Project Name: GOULDS PUMPS, COBALT SITE **Lab Number:** L2533846

Project Number: 30285498 **Report Date:** 06/13/25

REFERENCES

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

LIMITATION OF LIABILITIES

Pace Analytical Services 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 Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services 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 Pace Analytical Services.

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

Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
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 – 320 Forbes Blvd. Mansfield, MA 02048
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.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
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

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

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 – 320 Forbes Blvd. Mansfield, MA 02048

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

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

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

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

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: 5/31/25

ALPHA Job #: L2533846

Project Information

Project Name: Goulds Pumps, Cobalt Site
Project Location: Seneca Falls, NY
Project #
(Use Project name as Project #) ☐
Project Manager: Elias Moskal
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information

Client: Arcadis
Address: 646 Plank Rd, Suite
Clifton Park, NY, 12065
Phone: 518 250-7300
Fax:
Email: elias.moskal@arcadis.com

Deliverables

☐ ASP-A ☒ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please analyze & report the same way as April 2017

Please specify Metals or TAL.

Sample Filtration
☐ Done
☒ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: NYTCL-8260+TICS	NYTCL-8082+LVI	Sample Specific Comments	Total Bottles
33846-01	Field Blank	5/28/25	0810	W	AG	X	X		5
-02	MW-36	5/28/25	1425	W	KF	X	X		5
-03	MW-26S	5/27/25	1510	W	KF	X	X		5
-04	TW/BRW-01S	5/28/25	1307	W	AG	X	X		5
-05	MW-35	5/28/25	1250	W	KF	X	X		5
-06	DUP	5/28/25	—	W	KF	X	X		5
-07	TW/BRW-01R	5/28/25	0958	W	AG	X	X	MS/MSD	15
-08	MW-185R	5/25/25	1725	W	AG	X	X		5
-09	MW-34	5/28/25	1125	W	KF	X	X		5
-10	MW-24S	5/28/25	0955	W	KF	X	X		5
					Container Type	V	A		
					Preservative	B	A		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] / Arcadis	5/30/25 / 1438	[signature] PACE	5/30/25 1438
[signature] PACE	5/30/25 1438	[signature]	5/30 2200
[signature]	5/31 210	[signature]	5/31 0210

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

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 2 of 2

Date Rec'd in Lab: 5/31/25

ALPHA Job #: L2533546

Client Information

Client: Arcadis
Address: 646 Plank Rd Suite 100
Clifton Park, NY, 12065
Phone: 518 250 7300
Fax:
Email: Elias.Moskal@arcadis.com

Project Information

Project Name: Goulds Pumps Cobalt Site
Project Location: Seneca Falls, NY
Project #
(Use Project name as Project #) ☐
Project Manager: Elias Moskal
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please analyze & Report the Same Way as April 2017

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260+TICs	NYTCL-8082+LVI	Total Bottle
~~33546-05~~	Temp Blank	—	—	W	—			1
33546-11	Trip Blank	—	—	W	—	X		3
-12	MW-195R	5/27/25	1710	W	KF	X	X	5

Sample Filtration
☐ Done
☒ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Container Type	V	A						
Preservative	B	A						

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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

Relinquished By:	Date/Time	Received By:	Date/Time
Arcadis	5/30/25 1438	HALE	5/30/25 1438
HALE	5/30/25 1438		5/30 2200
	5/31 210		5/31 0210

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX C

Groundwater Monitoring Field Purge Logs

Low Flow Groundwater Sampling Log

Well ID: TW/BRW-01S
Northing: —
Easting: —

Site Name: Cobalt Site, Gonda
Site Location: Seneca Falls, NY
Project #: 0125761BT.2025
Sampling Method: Low Flow
Equipment Used: Peristaltic
Pump/Controller ID#: 219061
Field Personnel: A. Gibson
Date: 5/28/25
Weather: 57°F rainy

Well information:
Installed Depth of Well*: 11 ft. bmp.
Measured Depth of Well*: 10.95 ft. bmp.
Depth to Water*: 2.49 ft. bmp.
Length of Water Column (LWC): 8.46 ft.
Well Diameter: 1 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: ~~0.35~~ 0.35 gal.
Pump Intake Depth*: 10 ft. bmp.

Start Purge Time: 1106
Initial Observations: Color Cloudy Odor None Sheen/Free Product None

indicate units

~~Elapsed~~ Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
1111	—	15.32	8.23	1.13	-123	3.14	117.2	200	
1116	—	15.07	8.17	1.10	-131	2.71	87.6	200	
1121	—	14.85	8.09	1.09	-145	1.38	53.9	200	
1126	—	14.92	8.07	1.08	-154	0.38	30.9	200	
1131	—	14.97	8.01	1.08	-152	0.36	31.8	200	
1136	—	15.01	7.95	1.08	-151	0.35	31.6	200	
1141	—	15.03	7.91	1.08	-150	0.33	47.6	200	
1146	—	15.04	7.85	1.08	-150	0.32	58.6	200	
1151	—	15.08	7.80	1.09	-148	0.31	43.7	200	
1156	—	15.13	7.70	1.09	-147	0.29	36.0	200	
1201	—	15.16	7.63	1.09	-145	0.31	31.0	200	
1206	—	15.15	7.59	1.09	-141	0.30	28.5	200	
1211	—	15.13	7.56	1.09	-142	0.29	21.5	200	
1216	—	15.13	7.52	1.09	-143	0.29	30.1	200	
1221	—	15.13	7.51	1.09	-142	0.29	21.9	200	
1226	—	15.17	7.48	1.09	-140	0.31	41.5	200	
1231	—	15.23	7.46	1.09	-141	0.32	31.7	200	
1236	—	15.26	7.45	1.09	-139	0.33	44.8	200	
1241	—	15.24	7.45	1.09	-139	0.33	55.1	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1310
DO Titrataion = Nm mg/L
Total volume of groundwater purged: 6.5 gal.
Final Observations: Color Clear Odor None Sheen/Free Product None
Specific Gravity Nm

Analytical Sample ID: TW/BRW-01S **Date:** 5/28/25 **Time:** 1307

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 mL	VOA	3	N	HCl	Alpha
250 mL	Amber	2	N	None	Alpha

Notes: Nm: not measured

Well Integrity Inspection Notes

Low Flow Groundwater Sampling Log

Well ID: TW/BRW-01S
Northing: —
Easting: —

Site Name: Cobalt Site, Gorham
Site Location: Seneca Falls, NY
Project #: 01257CBT.2025
Sampling Method: low flow
Equipment Used: peristaltic
Pump/Controller ID#: 21961
Field Personnel: A. Gibson
Date: 5/28/25
Weather: 87°F, rainy

Well information:
Installed Depth of Well*: 11 ft. bmp.
Measured Depth of Well*: 10.95 ft. bmp.
Depth to Water*: 2.49 ft. bmp.
Length of Water Column (LWC): 8.46 ft.
Well Diameter: 1 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: 0.35 gal.
Pump Intake Depth*: 10 ft. bmp.

Start Purge Time: 1106
Initial Observations: *Color* cloudy *Odor* none *Sheen/Free Product* none

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
1246	—	15.24	7.45	1.09	-138	0.29	33.8	200	
1251	—	15.21	7.44	1.10	-138	0.25	21.6	200	
1256	—	15.19	7.42	1.10	-138	0.24	18.6	200	
1301	—	15.17	7.43	1.10	-138	0.34	19.5	200	
1306	—	15.16	7.43	1.10	-138	0.31	20.2	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1310
DO Titrataion = NM mg/L
Total volume of groundwater purged: 6.5 gal.
Final Observations: *Color* clear *Odor* none *Sheen/Free Product* none
Specific Gravity NM

Analytical Sample ID: TW/BRW-01S **Date:** 5/28/25 **Time:** 1307

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	VOA	3	N	HCl	Alpha
250mL	Amber	2	N	None	Alpha

Notes: NM; Not measured

Well Integrity Inspection Notes

Low Flow Groundwater Sampling Log

Well ID: TW/BRW-01R
Northing: —
Easting: —

Site Name: Cobalt Site, Gould's	Sampling Method: Low flow ~~Bladder~~	Field Personnel: A. Gibson
Site Location: Seneca Falls, NY	Equipment Used: Bladder	Date: 5/28/25
Project #: 01257 CBT, 2025	Pump/Controller ID#: 036494/MP-50 2423	Weather: 60°F, partly cloudy

Well information:

Installed Depth of Well*: 89.5 ft. bmp.	☐ 1 in. = 0.041 gal/ft	* Measurement Point:
Measured Depth of Well*: 89.77 ft. bmp.	☐ 2 in. = 0.163 gal/ft	☒ Well Casing
Depth to Water*: 23.66 ft. bmp.	☒ 4 in. = 0.653 gal/ft	☐ Protective Casing
Length of Water Column (LWC): 66.11 ft.	☐ 6 in. = 1.469 gal/ft	☐ Other:
Well Diameter: 4 in.	☐ 8 in. = 2.611 gal/ft	Well Volume: 43.17 gal.
		Pump Intake Depth*: 80 ft. bmp.

Well Volume Multipliers: (see above)

Start Purge Time: 0831

Initial Observations: *Color* Cloudy *Odor* None *Sheen/Free Product* None

indicate units

~~Elapsed~~ Time ~~(minutes)~~	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0836	23.90	14.92	11.22	3.30	-22	2.07	9.6	250	
0841	24.01	14.71	11.98	3.23	-68	6.66	1.0	250	
0848	24.08	14.69	12.03	3.30	-65	6.21	0.9	250	
0851	24.10	14.64	12.05	3.37	-64	3.91	0.6	250	
0856	24.24	14.21	12.08	3.41	-61	4.51	0.6	250	
0901	24.39	13.86	12.10	3.46	-89	6.24	0.6	250	
0906	24.41	13.88	12.11	3.46	-58	6.21	0.3	250	
0911	24.45	13.90	12.09	3.47	-58	6.20	0.0	250	
0916	24.47	13.94	12.29	3.37	-81	6.17	0.8	250	
0921	24.49	13.99	12.11	3.47	-56	6.15	4.1	250	
0926	24.50	14.41	12.10	3.46	-50	6.09	9.5	250	
0931	24.50	14.31	12.00	3.46	-68	6.07	13.1	250	
0936	24.51	14.09	12.11	3.46	-67	6.13	2.1	250	
0941	24.52	14.23	12.10	3.46	-58	6.15	1.1	250	
0946	24.53	14.20	12.11	3.46	-55	6.09	0.0	250	
0951	24.54	14.25	12.11	3.46	-53	6.11	0.0	250	
0956	24.56	14.28	12.10	3.48	-56	6.10	0.0	250	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1009

DO Titrataion = NM mg/L

Total volume of groundwater purged: 6.5 gal.

Final Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Specific Gravity NM

Analytical Sample ID: TW/BRW-01R **Date:** 5/28/25 **Time:** 0957

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	VOA	3	N	HCl	Alpha
250mL	Amber	2	N	None	Alpha

Notes: MS/MSD collected here
NM/not measured

Well Integrity Inspection Notes

Low Flow Groundwater Sampling Log

Well ID: MW-185R
Northing:
Easting:

Site Name: Gould's Cobalt
Site Location: Seneca Falls, NY
Project #: 01257.KBT.202
Sampling Method: lowflow
Equipment Used: Peristaltic
Pump/Controller ID#: 219061
Field Personnel:
Date: 5/27/25
Weather: 75°F, cloudy

Well information:
Installed Depth of Well*: 15 ft. bmp.
Measured Depth of Well*: 14.08 ft. bmp.
Depth to Water*: 2.38 ft. bmp.
Length of Water Column (LWC): 11.7 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: 1.91 gal.
Pump Intake Depth*: 13.5 ft. bmp.

Start Purge Time: 1544
Initial Observations: *Color* cloudy *Odor* none *Sheen/Free Product* none

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
5	2.41	22.81	5.87	1.03	178	7.18	354	250	
10	2.47	21.57	5.91	1.12	193	3.14	127.6	250	
15	2.51	21.03	5.95	1.18	213	2.79	88.2	250	
20	2.54	20.88	5.97	1.26	232	2.33	95.2	250	
25	2.58	18.31	6.31	1.27	189	1.89	61.5	250	
30	2.61	15.57	6.66	1.27	145	1.43	30.1	250	
35	2.61	14.73	6.67	1.19	117	1.13	1.6	250	
40	2.61	14.63	6.71	1.16	-11	1.15	0.0	250	
45	2.61	14.53	6.78	1.07	-33	1.07	0.0	250	
50	2.61	14.50	6.87	1.04	-42	0.80	0.0	250	
55	2.61	14.70	6.95	1.01	-55	0.73	0.0	250	
60	2.61	14.79	6.98	1.00	-55	0.63	0.0	250	
65	2.61	14.79	7.01	0.999	-55	0.55	0.0	250	
70	2.61	14.83	7.03	0.988	-58	0.50	0.0	250	
75	2.61	14.81	7.05	0.978	-58	0.47	0.0	250	
80	2.61	14.73	7.06	0.972	-59	0.43	0.0	250	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1620
DO Titrataion = NM mg/L
Total volume of groundwater purged: 5.3 gal.
Final Observations: *Color* clear *Odor* none *Sheen/Free Product* none
Specific Gravity NM

Analytical Sample ID: MW-185R **Date:** 5/27/25 **Time:** 1725

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	VOA	3	N	HCl	Alpha
250mL	Amber	2	N	None	Alpha

Notes: NM = not measured

Well Integrity Inspection Notes

Low Flow Groundwater Sampling Log

Well ID: MW-19SR
Northing:
Easting:

Site Name: Goulds Cobalt
Site Location: Seneca Falls, NY
Project #: 01257CBT.2025
Sampling Method: Low Flow
Equipment Used: Peristaltic
Pump/Controller ID#: 20792
Field Personnel: AG / KF
Date: 5/27/2025
Weather:

Well information:
Installed Depth of Well*: — ft. bmp.
Measured Depth of Well*: 11.20 ft. bmp.
Depth to Water*: 2.35 ft. bmp.
Length of Water Column (LWC): 8.85 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: 1.44 gal.
Pump Intake Depth*: ~11 ft. bmp.

Start Purge Time: 1540
Initial Observations: *Color* Clear *Odor* none *Sheen/Free Product* none

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (ms/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
5	2.90	15.15	7.86	0.634	-101	0.82	48.1	250	
10	2.90	15.23	7.84	0.595	-73	0.52	22.4	250	
15	2.90	15.26	7.84	0.598	-43	0.57	6.2	250	
20	2.90	15.19	7.85	0.606	-26	0.63	1.0	250	
25	2.95	15.02	7.86	0.612	-9	0.83	0.4	250	
30	2.95	14.96	7.87	0.611	4	0.99	0.0	250	
35	2.95	14.88	7.86	0.616	7	1.16	1.5	250	
40	2.95	15.02	7.86	0.619	7	1.32	1.1	250	
45	2.95	14.86	7.87	0.620	1	1.43	4.1	250	
50	2.95	14.89	7.88	0.622	14	1.47	0.5	250	
55	2.95	14.86	7.88	0.624	-38	1.51	5.7	250	
60	2.95	14.92	7.89	0.621	-25	1.45	1.5	250	
65	2.95	14.94	7.89	0.625	-11	1.50	0.0	250	
70	2.95	14.99	7.89	0.625	10	1.52	0.0	250	
75	2.95	14.96	7.90	0.626	24	1.56	0.0	250	
80	2.95	14.95	7.91	0.625	33	1.56	0.0	250	
85	2.95	15.19	7.90	0.625	31	1.59	0.0	250	
90	SAMPLE								
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1720
DO Titrataion = NM mg/L
Total volume of groundwater purged: 5 gal.
Final Observations: *Color* Clear *Odor* none *Sheen/Free Product* none
Specific Gravity NM

Analytical Sample ID: MW-19SR **Date:** 5/27/2025 **Time:** 1710

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

Notes:
NM= not monitored

Well Integrity Inspection Notes
Good

Low Flow Groundwater Sampling Log

Well ID: MW-24S
Northing: —
Easting: —

Site Name: Goulds, Cobalt Site
Site Location: Seneca Falls, NY
Project #: _____
Sampling Method: Low Flow
Equipment Used: Peristaltic
Pump/Controller ID#: 20792
Field Personnel: AG & KF
Date: 5/28/2025
Weather: Partly cloudy, 57

Well information:
Installed Depth of Well*: — ft. bmp.
Measured Depth of Well*: 14.22 ft. bmp.
Depth to Water*: 2.55 ft. bmp.
Length of Water Column (LWC): 11.67 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: 1.90 gal.
Pump Intake Depth*: ~14 ft. bmp.

Start Purge Time: 0825
Initial Observations: *Color* clear *Odor* none *Sheen/Free Product* none

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
5	2.72	14.73	7.76	1.08	237	3.32	15.9	200	
10	2.72	14.40	7.71	1.08	237	1.09	13.8	200	
15	2.72	14.45	7.70	1.05	236	0.67	14.2	200	
20	2.72	14.58	7.70	0.995	233	0.84	10.3	200	
25	2.72	14.66	7.71	0.963	227	0.88	3.8	200	
30	2.72	14.75	7.71	0.938	218	0.82	2.4	200	
35	2.72	14.77	7.71	0.913	205	0.75	1.4	200	
40	2.72	14.87	7.71	0.891	190	0.63	0.6	200	
45	2.72	14.95	7.72	0.872	172	0.54	0.0	200	
50	2.72	15.05	7.73	0.858	150	0.47	0.0	200	
55	2.72	15.20	7.74	0.843	126	0.37	0.0	200	
60	2.72	15.30	7.74	0.829	103	0.31	0.0	200	
65	2.72	15.38	7.75	0.816	84	0.28	0.0	200	
70	2.72	15.50	7.76	0.805	67	0.26	0.0	200	
75	2.72	15.67	7.77	0.796	55	0.27	0.0	200	
80	2.72	15.75	7.77	0.789	46	0.24	0.0	200	
85	2.72	15.90	7.78	0.782	47	0.27	0.0	200	
90	SAMPLE								
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1005
DO Titrataion = NM mg/L
Total volume of groundwater purged: 5 gal.
Final Observations: *Color* clear *Odor* none *Sheen/Free Product* none
Specific Gravity NM

Analytical Sample ID: MW-24S **Date:** 5/28/2025 **Time:** 0955

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	VOA	3	N	HCL	Alpha
120mL	Amber	2	N	None	Alpha

Notes:
NM = not monitored

Well Integrity Inspection Notes
Good

Low Flow Groundwater Sampling Log

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

Site Name: Goulds Cobalt
Site Location: Seneca Falls, NY
Project #:
Sampling Method: Low Flow
Equipment Used: Peristaltic
Pump/Controller ID#: 20792
Field Personnel: AG/KF
Date: 5/27/2025
Weather: Partly cloudy, 73°

Well information:
Installed Depth of Well*: — ft. bmp.
Measured Depth of Well*: 16.83 ft. bmp.
Depth to Water*: 6.57 ft. bmp.
Length of Water Column (LWC): 10.26 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: 1.67 gal.
Pump Intake Depth*: ~16 ft. bmp.

Start Purge Time: 1425
Initial Observations: *Color* clear *Odor* none *Sheen/Free Product* none

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (ms/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
5	7.54	18.51	7.19	0.805	159	0.74	18.5	200	
10	7.70	15.22	7.35	0.823	148	0.52	20.4	200	
15	7.70	15.08	7.41	0.815	140	0.36	18.6	200	
20	8.01	14.93	7.48	0.806	135	0.30	16.0	200	
25	8.15	14.86	7.52	0.801	132	0.26	16.4	200	
30	8.25	14.73	7.54	0.799	131	0.30	14.2	200	
35	8.36	15.02	7.56	0.794	128	0.28	14.8	200	
40	8.42	14.94	7.60	0.795	127	0.34	14.7	200	
45	SAMPLE								
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1520
DO Titrataion = NM 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-26S **Date:** 5/27/2025 **Time:** 1510

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40ml	VOA	3	N	HCL	Alpha
250mL	Amber	2	N	None	Alpha

Notes:
NM= not monitored

Well Integrity Inspection Notes
Good

Low Flow Groundwater Sampling Log

Well ID: MW-34
Northing: —
Easting: —

Site Name: Goulds / Cobalt
Site Location: Seneca Falls, NY
Project #:
Sampling Method: Low Flow
Equipment Used: Peristaltic
Pump/Controller ID#: 20792
Field Personnel: AG & KF
Date: 5/28/2025
Weather: Partly cloudy, 70°

Well information:
Installed Depth of Well*: — ft. bmp.
Measured Depth of Well*: 12.75 ft. bmp.
Depth to Water*: 1.27 ft. bmp.
Length of Water Column (LWC): 11.48 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: 1.87 gal.
Pump Intake Depth*: ~12 ft. bmp.

Start Purge Time: 1025
Initial Observations: *Color* clear *Odor* none *Sheen/Free Product* none

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
5	2.30	15.45	7.67	1.12	18	1.03	24.2	300	
10	3.15	15.47	7.64	1.11	-7	0.51	20.6	300	
15	3.40	15.37	7.62	1.05	-10	0.32	19.1	300	
20	3.72	15.23	7.61	1.02	-6	0.36	15.9	300	
25	4.02	15.06	7.60	0.993	-1	0.33	12.1	300	
30	4.34	14.86	7.59	0.964	8	0.35	9.6	300	
35	4.60	14.79	7.59	0.943	14	0.31	7.5	300	
40	4.98	14.74	7.59	0.936	20	0.34	7.0	300	
45	5.17	14.71	7.59	0.938	22	0.33	5.3	300	
50	5.41	14.71	7.59	0.942	22	0.21	5.2	300	
55	5.62	14.77	7.58	0.949	21	0.19	5.8	300	
60	SAMPLE							→	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1135
DO Titrataion = NM mg/L
Total volume of groundwater purged: 3.0 gal.
Final Observations: *Color* clear *Odor* none *Sheen/Free Product* none
Specific Gravity NM

Analytical Sample ID: MW-34 **Date:** 5/28/2025 **Time:** 1125

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	VOA	3	N	HCL	Alpha
120mL	Amber	2	N	None	Alpha

Notes:

Well Integrity Inspection Notes
Good

Low Flow Groundwater Sampling Log

Well ID: MW-35
Northing: —
Easting: —

Site Name: Goulds/Cobalt
Site Location: Seneca Falls, NY
Project #:
Sampling Method: Low Flow
Equipment Used: Peristaltic
Pump/Controller ID#: 20792
Field Personnel: AG & KF
Date: 5/28/2025
Weather: Cloudy, 70°

Well information:
Installed Depth of Well*: — ft. bmp.
Measured Depth of Well*: 11.28 ft. bmp.
Depth to Water*: 1.53 ft. bmp.
Length of Water Column (LWC): 9.75 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: 1.58 gal.
Pump Intake Depth*: 10.00 ft. bmp.

Start Purge Time: 1150
Initial Observations: *Color* turbid *Odor* none *Sheen/Free Product* Some sheen

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (ms/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
5	2.85	16.66	7.33	1.80	-125	1.14	152	300	
10	2.85	16.57	7.32	1.80	-126	0.69	32.7	300	
15	2.85	16.19	7.22	1.82	-125	0.23	39.5	300	
20	2.85	16.58	7.20	1.81	-125	0.09	38.5	300	
25	2.85	16.87	7.20	1.82	-122	0.05	46.0	300	
30	2.85	17.03	7.20	1.82	-116	0.12	44.2	300	
35	2.85	17.23	7.20	1.83	-114	0.05	37.8	300	
40	2.85	17.43	7.20	1.84	-114	0.06	27.5	300	
45	2.85	17.47	7.19	1.84	-116	0.05	24.8	300	
50	2.85	17.61	7.19	1.82	-120	0.07	24.5	300	
55	2.85	17.59	7.18	1.82	-122	0.01	22.9	300	
60	SAMPLE								
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1300
DO Titrataion = NM mg/L
Total volume of groundwater purged: 2.7 gal.
Final Observations: *Color* Clear *Odor* none *Sheen/Free Product* none
Specific Gravity NM

Analytical Sample ID: MW-35 **Date:** 5/28/2025 **Time:** 1250

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	VOA	6	No	HCL	Alpha
120mL	Amber	4	No	none	Alpha

Notes:
NM = not monitored
* DUP collected here

Well Integrity Inspection Notes
Good

Low Flow Groundwater Sampling Log

Well ID: MW-36
Northing: —
Easting: —

Site Name: Goulds/Cobalt
Site Location: Seneca Falls, NY
Project #:
Sampling Method: Low Flow
Equipment Used: Peristaltic
Pump/Controller ID#: 20792
Field Personnel: AG & KCF
Date: 5/28/2025
Weather: cloudy, 67°

Well information:
Installed Depth of Well*: — ft. bmp.
Measured Depth of Well*: 12.43 ft. bmp.
Depth to Water*: 1.98 ft. bmp.
Length of Water Column (LWC): 10.45 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: 1.70 gal.
Pump Intake Depth*: ~11 ft. bmp.

Start Purge Time: 1325
Initial Observations: Color lt. brown Odor none Sheen/Free Product none

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
5	2.40	16.04	7.45	0.961	78	5.64	17.6	200	
10	2.90	15.08	7.37	0.932	73	0.83	16.0	200	
15	3.10	14.78	7.36	0.920	71	0.34	19.6	200	
20	3.25	14.77	7.35	0.909	71	0.21	16.8	200	
25	3.40	14.75	7.33	0.900	74	0.18	14.2	200	
30	3.60	14.74	7.32	0.882	80	0.14	8.9	200	
35	3.82	14.74	7.33	0.831	88	0.26	5.9	200	
40	3.90	14.76	7.35	0.789	96	0.83	5.9	200	
45	3.90	14.71	7.37	0.750	107	1.73	3.9	200	
50	3.90	14.69	7.38	0.735	114	1.99	3.5	200	
55	3.90	14.56	7.37	0.732	119	1.91	3.0	200	
60	3.90	14.53	7.36	0.732	122	1.90	2.8	200	
65	SAMPLE								
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1435
DO Titrataion = NM mg/L
Total volume of groundwater purged: 3 gal.
Final Observations: Color Clear Odor none Sheen/Free Product none
Specific Gravity NM

Analytical Sample ID: MW-36 **Date:** 5/28/2025 **Time:** 1425

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	VOA	3	NO	HCL	Alpha
120mL	Amber	2	NO	None	Alpha

Notes:
NM= not monitored

Well Integrity Inspection Notes
~~Good~~ Good, slightly buried under stone

APPENDIX D

Data Usability Summary Report – Data Validation Services

Data Validation Services

120 Cobble Creek Road P. O. Box 208
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June 23, 2025

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. L2533846

Dear Mr. Moskal:

Review has been completed for the data package generated by Alpha Analytical that pertains to aqueous samples collected 05/28/25 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 that reported no detection in the samples and blanks are not usable due to poor response inherent in the laboratory 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 and trip blanks, the detected concentrations of acetone in the field samples are considered as potentially including contribution from external contamination and are either edited to reflect non-detection or 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, with the exception of the recoveries for methyl acetate (57% and 63%). The result for that analyte in that parent sample has been qualified as estimated, with a low bias.

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, 1,2,3-trichlorobenzene, and 1,2-dibromo-3-chloropropane (23%D and 31%D) in the calibration standard associated with MW-19SR. Results for those three analytes are qualified as estimated, with a low bias, in that sample.

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,

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 PUMPS, COBALT SITE
Project Number: 30285498

Lab Number: L2533846
Report Date: 06/13/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2533846-01	FIELD BLANK	WATER	SENECA FALLS, NY 13148	05/28/25 08:10	05/30/25
L2533846-02	MW-36	WATER	SENECA FALLS, NY 13148	05/28/25 14:25	05/30/25
L2533846-03	MW-26S	WATER	SENECA FALLS, NY 13148	05/27/25 15:10	05/30/25
L2533846-04	TW/BRW-01D	WATER	SENECA FALLS, NY 13148	05/28/25 13:07	05/30/25
L2533846-05	MW-35	WATER	SENECA FALLS, NY 13148	05/28/25 12:50	05/30/25
L2533846-06	DUP	WATER	SENECA FALLS, NY 13148	05/28/25 00:00	05/30/25
L2533846-07	TW/BRW-01R	WATER	SENECA FALLS, NY 13148	05/28/25 09:58	05/30/25
L2533846-08	MW-18SR	WATER	SENECA FALLS, NY 13148	05/25/25 17:25	05/30/25
L2533846-09	MW-34	WATER	SENECA FALLS, NY 13148	05/28/25 11:25	05/30/25
L2533846-10	MW-24S	WATER	SENECA FALLS, NY 13148	05/28/25 09:55	05/30/25
L2533846-11	TRIP BLANK	WATER	SENECA FALLS, NY 13148	05/28/25 00:00	05/30/25
L2533846-12	MW-19SR	WATER	SENECA FALLS, NY 13148	05/27/25 17:10	05/30/25

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, 2024 to May 31, 2025

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

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

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

Parcel	Owner	Institutional 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

Parcel	Engineering 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).

Box 5

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 compete.

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 (print name) at 56 Technology Drive, Irvine, CA 92618 (print business address),

am certifying as Remedial Party (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 — Date: 6/30/25

IC/EC CERTIFICATIONS

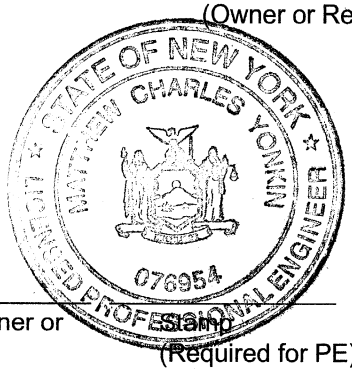
Box 7

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 (print name) at 646 Plank Road, Suite 110, Clifton Park, NY 12065 (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)

6/27/2025
Date

Arcadis of New York, Inc.

646 Plank Road

Suite 100

Clifton Park, New York 12065

Tel 518 250 7300

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