ARCADIS Design & Consultancy for natural and built assets

ITT Goulds Pumps, Inc.
Seneca Falls, NY

Annual Post-Closure Monitoring Report and Periodic Review Report Reporting Year 2019

ITT Goulds Pumps, Inc.

Site #8-50-002

February 28, 2020

Gould's Pumps, Inc.

Site #8-50-002

The undersigned certifies that I have reviewed the *Annual Post-Closure Monitoring Report Reporting Year 2019* dated February 28 2020 and that the document meets the requirements of the *Post Closure Monitoring and Maintenance Plan* (PCMMP) dated December 1997 and approved by the NYSDEC on December 29, 1997. This report also conforms to applicable state, federal, and local regulations, generally accepted practices in the environmental profession and Arcadis standards.

Matthew C. Yonkin, P.E., PCEE

Associate Vice President

Annual Post-Closure Monitoring Report and Periodic Review Report Reporting Year 2019

ITT Goulds Pumps Inc.

Site #8-50-002

Prepared for:

ITT Goulds Pumps, Inc.

240 Fall Street

Seneca Falls, New York 13141

Prepared by:

Arcadis of New York, Inc.

855 Route 146

Suite 210

Clifton Park

New York 12065

Tel 518 250 7300

Fax 518 250 7301

Our Ref.:

1257117.2019

Date:

February 28, 2020

Gould's Pumps, Inc.

Site #8-50-002

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Gould's Pumps, Inc.

Site #8-50-002

1 BACKGROUND

Post-closure monitoring and maintenance activities for NYSDEC Site No. 850002 (Site), which is the former industrial landfill located at the ITT Goulds Pumps, Inc. (Goulds) facility at 240 Fall Street in Seneca Falls, New York, continued during 2019. The former landfill was closed in accordance with New York State Department of Environmental Conservation (NYSDEC) approved drawings and specifications during the construction seasons of 1996 and 1997. A Construction Certification Report and Post-Closure Monitoring and Maintenance Plan (PCMMP) were prepared by Malcolm Pirnie, Inc. (now doing business as Arcadis of New York, Inc.) and submitted to the NYSDEC, on behalf of Goulds, for review and approval. The Certification Report was approved on December 9, 1997 and the PCMMP, including a response letter issued on December 18, 1997, was approved on December 29, 1997. This PCMMP, including NYSDEC-approved modifications, requires Goulds to conduct quarterly inspections including groundwater level measurements and semi-annual groundwater sampling events. Quarterly letter reports are prepared and submitted to the NYSDEC. A report summarizing the monitoring events during the previous year is prepared and submitted to the NYSDEC annually.

In 2011, the NYSDEC approved a request to eliminate the first quarter monitoring and maintenance event, given that the landfill is frequently covered with snow during most of the first quarter. Additionally, the NYSDEC requested that Goulds submit a Periodic Review Report (PRR) for the former landfill. In conversations with the NYSDEC Project Manager, the NYSDEC found it acceptable to utilize this Annual Report as the PRR as nearly identical Site information is included in both documents. The most substantial difference being the certification of institutional controls (IC) and engineering controls (EC) at the Site. The Institutional and Engineering Controls Certification Form is completed and included in Appendix A of this report. Going forward in subsequent monitoring years, Goulds will submit the Annual Monitoring and Periodic Review Report for the Site to the NYSDEC no later than March 1 of the following year (i.e., for monitoring year 2020, the report will be submitted to the NYSDEC no later than March 1, 2021), and will include the IC/EC certifications to fulfill the requirement of the Periodic Review Report.

2 REPORT ORGANIZATION

The quarterly letter reports for second and third quarters of 2019 were submitted separately following each quarter. Activities conducted during the fourth quarter are included in this Annual Report. Quarterly inspections and semi-annual sampling events were completed in accordance with the PCMMP. Checklists, support information, and laboratory results (second and fourth quarters only) for each of the quarters are included in Appendix B. As described in the PCMMP, this Annual Report includes the following:

- Landfill Inspection Reports for the second, third, and fourth quarters of 2019;
- A summary of activities completed during 2019;

- A figure showing sampling and monitoring locations and shallow zone potentiometric map (Figure 1 – Site Plan and Shallow Zone Potentiometric Map);
- A figure showing sampling and monitoring locations and rock zone potentiometric map (Figure 2 – Site Plan and Rock Zone Potentiometric Map);
- A tabular summary of sampling and monitoring dates, field measurements, and observations;
- A tabular summary of the analytical data for semi-annual sampling events;
- A tabular summary of the monthly monitoring results at Outfall 003. Monitoring was conducted in accordance with Goulds' State Pollutant Discharge Elimination System (SPDES) Permit for the outfall;
- A brief discussion of the analytical data and the quality control/quality assurance measures that were implemented; and,
- Identification of modifications to the original PCMMP and recommendations for additional changes to the monitoring program for the Site.

In addition, as described above, this Annual Report also includes the IC/EC certifications (included as Appendix A) to fulfill the requirement of the PRR. Please note that ITT has added the Surface Drainage System, Landfill Gas Collection System, and Groundwater Monitoring Network to the Engineering Controls list as these ECs are listed in the Record of Decision and it appears they were inadvertently left off the IC/EC certification form provided by NYSDEC.

3 QUARTERLY INSPECTION EVENTS

Quarterly inspection events were conducted during the second quarter (April 15, 2019), third quarter (September 23, 2019) and the fourth quarter (December 11, 2019). Consistent with previous years, groundwater sampling events during 2019 were conducted during the second and fourth quarters. The checklists and supporting information for the second, and third quarter monitoring events of 2019 are included in Appendix B.

Each of the inspection events were conducted in accordance with the PCMMP. During each inspection event, the overall integrity of the closure system was verified by Arcadis personnel. The cap system, drainage system, perimeter monitoring wells and piezometers, in-waste piezometers, leachate collection manhole, gas vents, access roadway or access control fencing and gates were inspected, and appropriate maintenance and/or corrective actions were identified and performed if necessary and as described herein. Groundwater levels were measured at perimeter and landfill piezometers and monitoring wells as specified in the PCMMP.

Based on the inspection events, the overall integrity of the cap system is acceptable. Well-maintained access paths allowed access to off-cap perimeter monitoring wells and piezometers.

As part of the quarterly inspections, the condition of piezometers and monitoring wells at the Site are observed. The piezometers and monitoring wells at the Site are generally usable with only minor non-essential maintenance items being observed at some locations including misalignment of P-1. Groundwater levels are still able to be accurately measured at P-1, so no maintenance is planned.

Regular maintenance items identified below were performed during 2019 and are scheduled and completed on a regular, ongoing basis and as identified during future quarterly inspection events:

- Mowing of the cap and perimeter swales;
- Brush hogging of the area to the north of the landfill near MW-2 and MW-4 clusters, as well as MW-1S, to clear access for groundwater monitoring activities, as necessary;
- Continued efforts to remove burrowing animals and repair burrows, as necessary;
- Regular additions of rock to rock check dams in the perimeter drainage swale, as necessary; and
- Cleaning of the culvert south of the landfill, as necessary.

4 SEMI-ANNUAL SAMPLING EVENTS

The PCMMP requires groundwater sampling of 13 monitoring wells and the leachate collection manhole at the Site twice each year. Shallow wells were sampled using a peristaltic pump and dedicated tubing, while deep and bedrock wells and the leachate collection manhole were sampled using dedicated bailers with the only exception being MW-5D. The alignment of MW-5D was altered during construction activities in 2013 and can no longer be sampled with a bailer. Groundwater samples at MW-5D are collected using a peristaltic pump.

Depth to groundwater and groundwater elevations for monitoring points at the Site are summarized in Table 1. Analytical results from groundwater sampling, as well as purge logs, for the fourth quarter groundwater sampling event during 2019 are included as Tables 2 and 3, respectively.

A potentiometric map showing the approximate direction of shallow groundwater flow at the Site is shown on Figure 1. The map is based on groundwater level measurements taken during the December 2019 inspection event, which generally represents higher seasonal groundwater elevations in shallow monitoring wells and piezometers across the Site. Potentiometric contours on Figure 1 were based on water levels in shallow monitoring wells and piezometers, while potentiometric contours shown on Figure 2 were based on the three rock wells monitored at the Site. Measurements indicate that the April and December 2019 groundwater levels were generally consistent with historical levels and that shallow groundwater generally flows south-southwest, toward Fall Street. As shown in Figure 2, groundwater in rock at the Site generally flows west.

5 ANALYTICAL DATA AND QUALITY ASSURANCE/QUALITY CONTROL

The analytical results for recent sampling events and the NYSDEC Water Quality Standards are shown in Table 2. The summary data package for the 2019 fourth quarter sampling event is included as Appendix C. The NYSDEC-approved PCMMP requires ASP Category B deliverables for Site groundwater data once every five years. It is anticipated that third-party data validation will occur next during one of the 2020 sampling events.

Groundwater samples were collected during the 2019 fourth quarter in accordance with the Sampling and Analytical Plan that was included in the PCMMP. Samples from the shallow wells and from MW-5D were collected using a peristaltic pump and dedicated tubing with other samples being collected using dedicated bailers. During both 2019 sampling events purge water from the wells was discharged to the ground surface in the immediate vicinity of the wells in accordance with the NYSDEC-approved sampling methods for the Site. A record of the field purge logs is provided in Table 3.

Groundwater samples for both events during 2019 were collected in polyethylene bottles containing a laboratory-measured volume of nitric acid preservative and were placed in a cooler and delivered under routine Chain of Custody protocol to Alpha Analytical (Alpha). Alpha is located in Westborough, Massachusetts and is a New York State Department of Health ELAP CLP certified laboratory.

Analytical results from the groundwater sampling conducted during 2019 generally support historical data for the Site; levels in excess of groundwater standards and/or guidance values for iron, manganese and sodium were present in groundwater samples from shallow, deep and bedrock wells. As shown in Table 2, other than concentrations of sodium in groundwater sampled from monitoring wells MW-5S (280,000 micrograms per liter [ug/L]) during the fourth quarter 2019 event, exceedances in NYSDEC Class GA groundwater standards observed during 2019 were within the range of historical values at respective sampling locations.

The grab sample from the leachate collection manhole was collected and analyzed for Target Analyte List (TAL) metals during the second and fourth quarter sampling events. The 2019 sampling results of leachate collection manhole fell within the range of historical values. Exceedances in Class GA groundwater standards in leachate samples collected from leachate collection manhole include chromium, copper, iron, lead, manganese, mercury and sodium as listed in Table 2.

6 DATA VALIDATION

Data validation was required for the second quarter 2015 groundwater sampling data. Previously, data validation occurred during the 2010 monitoring year, and it is anticipated that third-party data validation will occur next during one of the 2020 sampling events.

7 OUTFALL 003 MONTHLY MONITORING

Goulds monitors the storm water runoff that originates from the property encompassed by the closed landfill and adjacent areas under their current SPDES Permit No. NY0001694. The discharge point is

identified as Outfall 003 on its SPDES Permit and monthly Discharge Monitoring Reports (DMRs) are submitted to NYSDEC. A summary of the monthly monitoring results during 2019 at Outfall 003 is shown in Table 4.

8 MODIFICATIONS/RECOMMENDED MODIFICATIONS

The areas adjacent to monitoring well MW-1S and well clusters MW-2 and MW-4 were brush-hogged and the vegetation in these areas will be maintained at its current height to facilitate access for future monitoring activities. Vegetation in the perimeter drainage swale will be mowed in the first or second quarter of 2020, depending on snow accumulation.

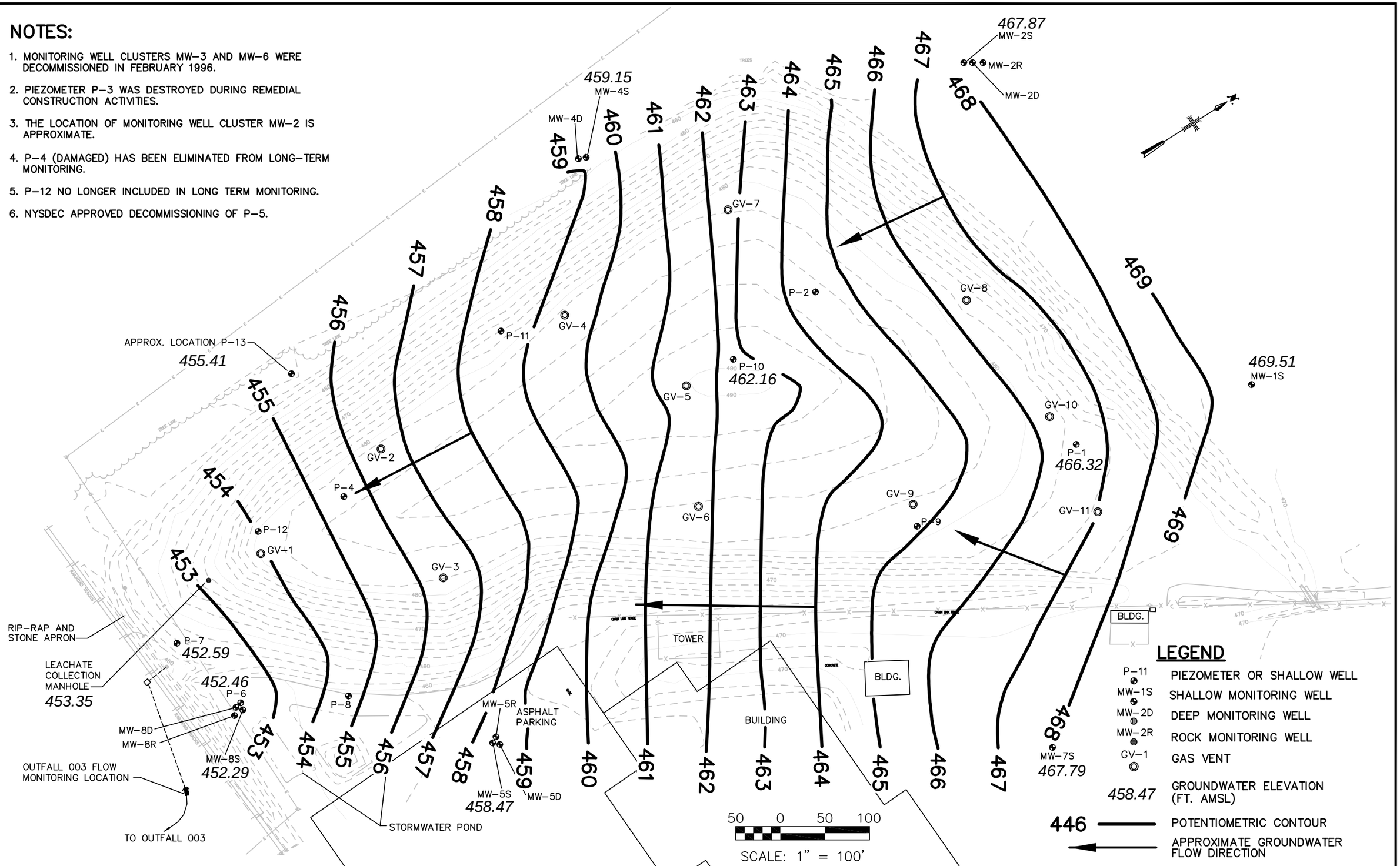
Explosive gas monitoring was conducted during the second, third and fourth quarter 2019 monitoring events in accordance with the PCMMP. Similar to all previous explosive gas monitoring events, there was no detection of explosive gas in the vicinity of the landfill gas vents. Given the waste characteristics of the landfill, predominately foundry sand, generation of explosive gases is unlikely.

Section 4.6 of the NYSDEC-approved PCMMP states: "It is anticipated that the explosive gas monitoring effort at the site will be reduced or eliminated based on the results of the monitoring throughout the first two years." Because no explosive gases have been detected to date at the landfill gas vents, which have been monitored since 1998, Arcadis will discontinue explosive gas monitoring beginning during the 2020 monitoring year, although the gas vents will still be inspected.

FIGURES

NOTES:

1. MONITORING WELL CLUSTERS MW-3 AND MW-6 WERE DECOMMISSIONED IN FEBRUARY 1996.
2. PIEZOMETER P-3 WAS DESTROYED DURING REMEDIAL CONSTRUCTION ACTIVITIES.
3. THE LOCATION OF MONITORING WELL CLUSTER MW-2 IS APPROXIMATE.
4. P-4 (DAMAGED) HAS BEEN ELIMINATED FROM LONG-TERM MONITORING.
5. P-12 NO LONGER INCLUDED IN LONG TERM MONITORING.
6. NYSDEC APPROVED DECOMMISSIONING OF P-5.



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FORMER GOULDS LANDFILL
SENECA FALLS, NEW YORK

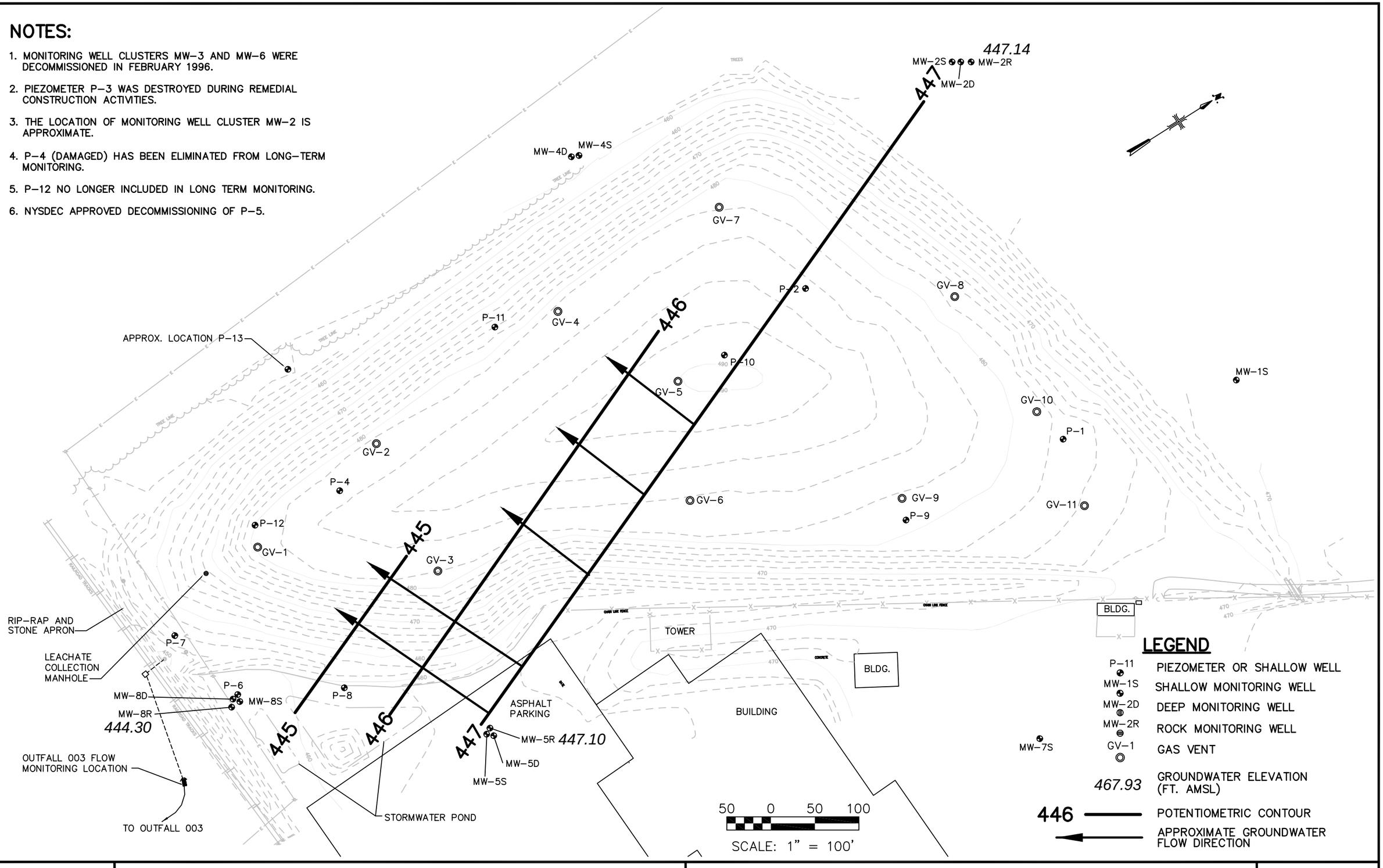
SITE PLAN AND SHALLOW ZONE POTENTIOMETRIC MAP
FOURTH QUARTER 2019
SCALE: AS SHOWN

DECEMBER 2019
FIGURE 1

USER: AGIBSON FILENAME: G:\ACAD\PROJ\01257117.0000\FIGURES\POT MAP-SHALLOW-4TH QTR-2019.DWG SAVE DATE: 1/19/2020 12:37 PM PLOT DATE: 1/22/2020 9:40 AM

NOTES:

1. MONITORING WELL CLUSTERS MW-3 AND MW-6 WERE DECOMMISSIONED IN FEBRUARY 1996.
2. PIEZOMETER P-3 WAS DESTROYED DURING REMEDIAL CONSTRUCTION ACTIVITIES.
3. THE LOCATION OF MONITORING WELL CLUSTER MW-2 IS APPROXIMATE.
4. P-4 (DAMAGED) HAS BEEN ELIMINATED FROM LONG-TERM MONITORING.
5. P-12 NO LONGER INCLUDED IN LONG TERM MONITORING.
6. NYSDEC APPROVED DECOMMISSIONING OF P-5.



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FORMER GOULDS LANDFILL
SENECA FALLS, NEW YORK

SITE PLAN AND ROCK ZONE POTENTIOMETRIC MAP
FOURTH QUARTER 2019
SCALE: AS SHOWN

DECEMBER 2019
FIGURE 2

TABLES

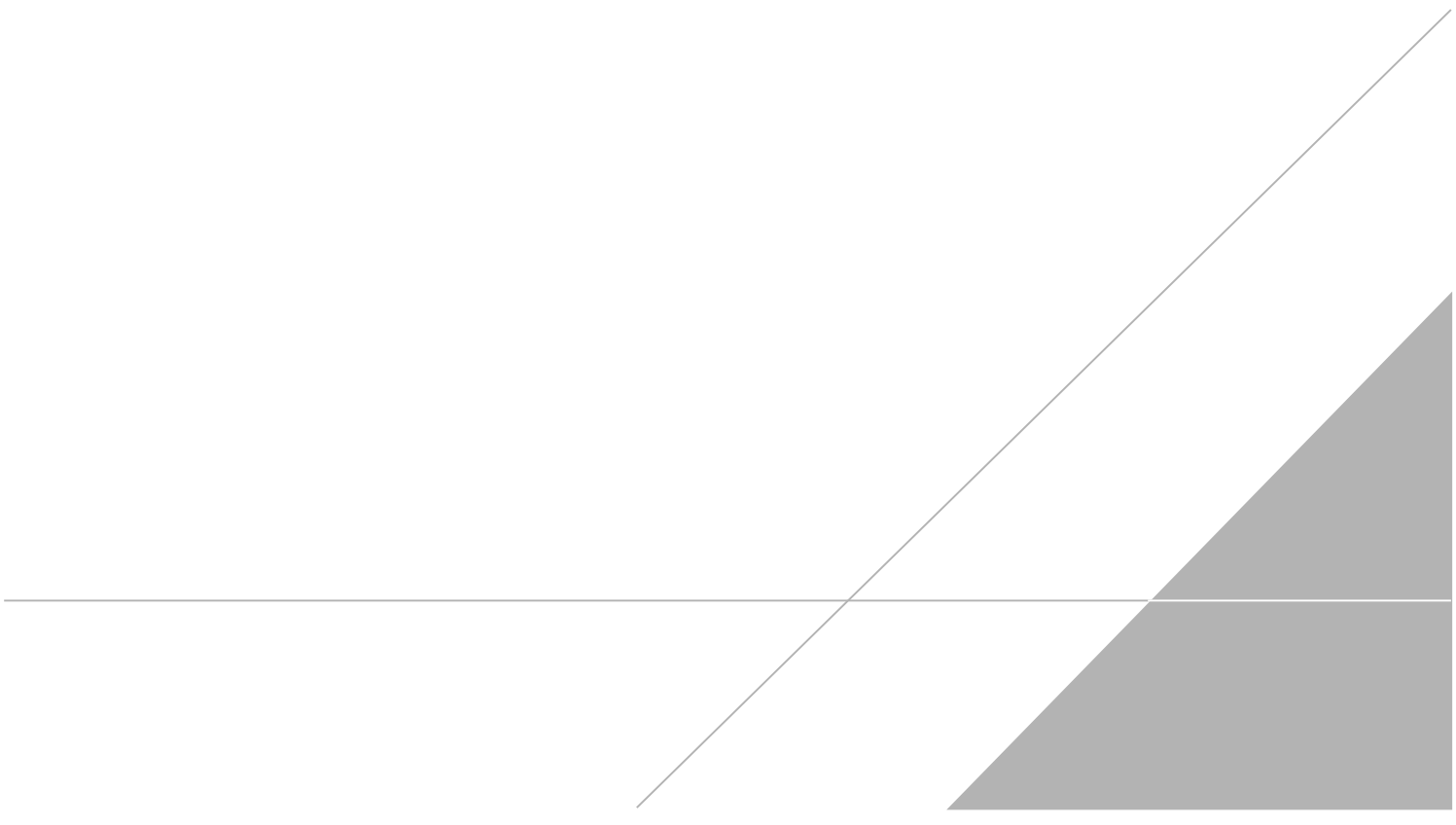

TABLE 1
POST-CLOSURE GROUNDWATER MONITORING
SUMMARY OF GROUNDWATER LEVELS
GOULDS PUMPS, INC.

Well/Piezometer	MW-1S		MW-2S		MW-2D		MW-2R		MW-4S		MW-4D	
Protective Casing Elevation	472.77		471.51		471.68		471.38		462.76		462.26	
Measuring Point Elevation	472.45		471.37		471.34		471.06		462.61		462.11	
Ground Elevation	470.21		468.87		468.94		469.35		460.03		459.85	
Date	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)
First Quarter '09	2.92	469.53	3.33	468.04	3.11	468.23	23.70	447.36	3.65	458.96	8.17	453.94
Second Quarter '09	3.56	468.89	4.33	467.04	4.16	467.18	23.44	447.62	3.92	458.69	8.13	453.98
Third Quarter '09	6.87	465.58	7.01	464.36	6.72	464.62	24.62	446.44	5.52	457.09	9.48	452.63
Fourth Quarter '09	3.13	469.32	4.04	467.33	3.82	467.52	25.38	445.68	3.74	458.87	9.28	452.83
First Quarter '10	3.29	469.16	4.17	467.20	3.95	467.39	24.33	446.73	3.96	458.65	8.79	453.32
Second Quarter '10	2.86	469.59	3.14	468.23	2.90	468.44	23.26	447.80	3.48	459.13	8.04	454.07
Third Quarter '10	9.18	463.27	8.53	462.84	8.26	463.08	25.23	445.83	6.11	456.50	10.26	451.85
Fourth Quarter '10	2.99	469.46	3.64	467.73	3.43	467.91	23.63	447.43	3.63	458.98	8.07	454.04
Second Quarter '11	6.27	466.18	6.79	464.58	6.51	464.83	22.75	448.31	5.44	457.17	8.88	453.23
Third Quarter '11	8.91	463.54	7.31	464.06	6.95	464.39	24.89	446.17	5.52	457.09	9.96	452.15
Fourth Quarter '11	3.05	469.40	3.81	467.56	3.61	467.73	23.63	447.43	3.88	458.73	8.28	453.83
Second Quarter '12	6.21	466.24	6.45	464.92	6.17	465.17	23.73	447.33	5.19	457.42	8.92	453.19
Third Quarter '12	12.96	459.49	11.48	459.89	11.19	460.15	26.25	444.81	6.85	455.76	13.30	448.81
Fourth Quarter '12	12.12	460.33	8.41	462.96	5.43	465.91	26.89	444.17	4.30	458.31	10.70	451.41
Second Quarter '13	4.35	468.10	4.79	466.58	4.49	466.85	24.17	446.89	4.65	457.96	8.41	453.70
Third Quarter '13	5.61	466.84	5.63	465.74	5.35	465.99	23.77	447.29	5.34	457.27	9.08	453.03
Fourth Quarter '13	3.65	468.80	3.99	467.38	3.79	467.55	24.62	446.44	4.34	458.27	8.95	453.16
Second Quarter '14	4.18	468.27	4.81	466.56	4.79	466.55	23.25	447.81	4.73	457.88	8.75	453.36
Third Quarter '14	6.71	465.74	5.89	465.48	5.57	465.77	23.83	447.23	5.63	456.98	9.34	452.77
Fourth Quarter '14	3.09	469.36	3.43	467.94	3.19	468.15	24.69	446.37	3.66	458.95	8.94	453.17
Second Quarter '15	4.73	467.72	5.20	466.17	4.93	466.41	23.30	447.76	4.82	457.79	8.24	453.87
Third Quarter '15	7.57	464.88	7.49	463.88	7.19	464.15	23.36	447.70	6.30	456.31	9.83	452.28
Fourth Quarter '15	3.30	469.15	4.65	466.72	4.40	466.94	24.33	446.73	3.97	458.64	8.73	453.38
Second Quarter '16	3.22	469.23	4.00	467.37	7.22	464.12	23.45	447.61	3.76	458.85	8.23	453.88
Third Quarter '16	13.97	458.48	11.96	459.41	11.65	459.69	26.84	444.22	6.82	455.79	11.63	450.48
Fourth Quarter '16	3.05	469.40	4.12	467.25	4.27	467.07	25.25	445.81	3.72	458.89	9.01	453.10
Second Quarter '17	2.55	469.90	2.86	468.51	2.67	468.67	22.47	448.59	3.30	459.31	7.63	454.48
Third Quarter '17	7.25	465.20	6.20	465.17	5.91	465.43	23.39	447.67	5.60	457.01	9.14	452.97
Fourth Quarter '17	3.18	469.27	3.83	467.54	7.08	464.26	23.92	447.14	3.91	458.70	10.20	451.91
Second Quarter '18	2.88	469.57	3.08	468.29	4.47	466.87	23.40	447.66	3.58	459.03	10.41	451.70
Third Quarter '18	8.42	464.03	6.31	465.06	6.00	465.34	25.42	445.64	5.52	457.09	9.93	452.18
Fourth Quarter '18	3.04	469.41	3.30	468.07	4.61	466.73	23.58	447.48	3.78	458.83	10.94	451.17
Second Quarter '19	2.78	469.67	2.85	468.52	2.64	468.70	22.37	448.69	3.30	459.31	7.74	454.37
Third Quarter '19	9.64	462.81	7.60	463.77	7.42	463.92	24.37	446.69	6.44	456.17	9.97	452.14
Fourth Quarter '19	2.94	469.51	3.50	467.87	4.82	466.52	23.92	447.14	3.46	459.15	10.06	452.05
Change Since Previous Event	6.70		4.10		2.60		0.45		2.98		(0.09)	

NM - Not Measured

DRY - Well or piezometer was dry

TABLE 1
POST-CLOSURE GROUNDWATER MONITORING
SUMMARY OF GROUNDWATER LEVELS
GOULDS PUMPS, INC.

Well/Piezometer	MW-5S		MW-5D		MW-5R		MW-7S		MW-8S		MW-8D		MW-8R	
Protective Casing Elevation	466.12		466.07		465.08		472.03		460.90		460.98		460.01	
Measuring Point Elevation	465.94		465.92		464.74		471.89		460.85		460.87		459.88	
Ground Elevation	463.54		463.55		463.46		470.98		458.44		458.42		458.20	
Date	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)
First Quarter '09	5.82	460.12	11.86	454.06	18.37	446.37	4.68	467.21	7.78	453.07	19.07	441.80	15.52	444.36
Second Quarter '09	6.42	459.52	11.86	454.06	18.09	446.65	5.34	466.55	8.23	452.62	18.88	441.99	15.34	444.54
Third Quarter '09	6.45	459.49	12.34	453.58	19.03	445.71	NM	NM	8.51	452.34	16.46	444.41	16.14	443.74
Fourth Quarter '09	6.03	459.91	12.44	453.48	19.99	444.75	4.06	467.83	8.17	452.68	19.97	440.90	17.05	442.83
First Quarter '10	6.29	459.65	12.78	453.14	19.02	445.72	4.52	467.37	8.10	452.75	19.47	441.40	16.12	443.76
Second Quarter '10	6.05	459.89	11.67	454.25	17.87	446.87	3.71	468.18	7.93	452.92	18.70	442.17	15.07	444.81
Third Quarter '10	6.74	459.20	12.77	453.15	19.46	445.28	2.27	469.62	9.18	451.67	23.40	437.47	16.34	443.54
Fourth Quarter '10	5.58	460.36	11.79	454.13	18.22	446.52	3.44	468.45	7.84	453.01	18.78	442.09	15.23	444.65
Second Quarter '11	6.60	459.34	12.01	453.91	17.41	447.33	3.93	467.96	8.41	452.44	18.44	442.43	14.59	445.29
Third Quarter '11	6.12	459.82	12.52	453.40	19.34	445.40	3.74	468.15	8.74	452.11	19.63	441.24	16.22	443.66
Fourth Quarter '11	6.10	459.84	11.97	453.95	18.22	446.52	3.92	467.97	7.89	452.96	18.73	442.14	15.27	444.61
Second Quarter '12	6.91	459.03	12.39	453.53	18.08	446.66	3.77	468.12	8.53	452.32	18.65	442.22	15.26	444.62
Third Quarter '12	9.25	456.69	14.38	451.54	27.90	436.84	4.87	467.02	10.95	449.90	24.41	436.46	17.66	442.22
Fourth Quarter '12	6.39	459.55	13.33	452.59	21.38	443.36	4.00	467.89	9.21	451.64	24.43	436.44	18.20	441.68
Second Quarter '13	6.39	459.55	12.36	453.56	18.76	445.98	3.86	468.03	8.44	452.41	19.05	441.82	15.74	444.14
Third Quarter '13	3.73	459.25	9.80	453.06	17.70	445.44	4.13	467.76	8.41	452.44	18.93	441.94	15.19	444.69
Fourth Quarter '13	NM	----	NM	----	NM	----	4.53	467.36	7.46	453.39	19.32	441.55	16.23	443.65
Second Quarter '14	4.30	458.68	9.00	453.86	14.91	448.23	4.21	467.68	8.62	452.23	18.81	442.06	15.11	444.77
Third Quarter '14	4.86	458.12	9.39	453.47	15.43	447.71	4.51	467.38	8.83	452.02	19.31	441.56	15.56	444.32
Fourth Quarter '14	4.99	457.99	9.75	453.11	16.32	446.82	4.40	467.49	8.84	452.01	19.62	441.25	16.39	443.49
Second Quarter '15	4.81	458.17	9.56	453.30	15.13	448.01	4.52	467.37	9.00	451.85	18.78	442.09	15.15	444.73
Third Quarter '15	4.53	458.45	9.57	453.29	15.31	447.83	4.59	467.30	9.14	451.71	18.89	441.98	15.15	444.73
Fourth Quarter '15	5.02	457.96	9.53	453.33	16.00	447.14	4.51	467.38	8.81	452.04	19.30	441.57	16.02	443.86
Second Quarter '16	4.96	458.02	9.85	453.01	15.29	447.85	4.40	467.49	8.90	451.95	18.90	441.97	17.00	442.88
Third Quarter '16	5.15	457.83	10.52	452.34	18.49	444.65	4.48	467.41	9.62	451.23	21.33	439.54	18.33	441.55
Fourth Quarter '16	4.56	458.42	10.01	452.85	17.10	446.04	4.04	467.85	8.42	452.43	19.68	441.19	16.59	443.29
Second Quarter '17	4.32	458.66	9.45	453.41	14.35	448.79	2.90	468.99	8.30	452.55	18.24	442.63	14.32	445.56
Third Quarter '17	5.01	457.97	9.36	453.50	15.13	448.01	4.64	467.25	9.13	451.72	18.79	442.08	15.11	444.77
Fourth Quarter '17	5.22	457.76	9.59	453.27	15.42	447.72	4.59	467.30	8.75	452.10	22.41	438.46	15.50	444.38
Second Quarter '18	4.79	458.19	9.25	453.61	14.80	448.34	4.23	467.66	8.59	452.26	21.32	439.55	16.68	443.20
Third Quarter '18	5.05	457.93	9.89	452.97	17.08	446.06	4.38	467.51	9.01	451.84	19.92	440.95	16.88	443.00
Fourth Quarter '18	4.74	458.24	9.24	453.62	15.51	447.63	4.25	467.64	9.01	451.84	20.48	440.39	15.82	444.06
Second Quarter '19	4.38	458.60	8.66	454.20	14.28	448.86	4.20	467.69	8.60	452.25	18.20	442.67	14.28	445.60
Third Quarter '19	5.29	457.69	9.59	453.27	15.87	447.27	4.81	467.08	9.30	451.55	19.52	441.35	15.91	443.97
Fourth Quarter '19	4.51	458.47	11.56	451.30	16.04	447.10	4.10	467.79	8.56	452.29	21.23	439.64	15.58	444.30
Change Since Previous Event	0.78		(1.97)		(0.17)		0.71		0.74		(1.71)		0.33	

NM - Not Measured

DRY - Well or piezometer was dry

8/21/2013 Measuring Point Elevation for MW-5S= 462.98
8/21/2013 Measuring Point Elevation for MW-5D= 462.86
8/21/2013 Measuring Point Elevation for MW-5R= 463.14

TABLE 1
POST-CLOSURE GROUNDWATER MONITORING
SUMMARY OF GROUNDWATER LEVELS
GOULDS PUMPS, INC.

Well/Piezometer	P-1		P-2		P-4		P-5		P-6		P-7	
Protective Casing Elevation	480.44		487.76		485.85		467.50		460.71		460.47	
Measuring Point Elevation	480.24		487.75		485.79		467.37		460.57		460.32	
Ground Elevation	477.63		484.67		483.55		465.56		458.58		456.53	
Date	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)
First Quarter '09	13.72	466.52	DRY	----	----	----	4.66	462.71	7.28	453.29	7.91	452.41
Second Quarter '09	14.06	466.18	DRY	----	----	----	6.68	460.69	7.48	453.09	8.11	452.21
Third Quarter '09	16.67	463.57	DRY	----	----	----	5.58	461.79	7.67	452.90	8.51	451.81
Fourth Quarter '09	15.18	465.06	DRY	----	----	----	4.53	462.84	7.46	453.11	8.10	452.22
First Quarter '10	----	----	DRY	----	----	----	5.77	461.60	7.41	453.16	8.08	452.24
Second Quarter '10	13.97	466.27	DRY	----	----	----	4.76	462.61	7.33	453.24	7.97	452.35
Third Quarter '10	14.81	465.43	DRY	----	----	----	5.56	461.81	8.07	452.50	8.55	451.77
Fourth Quarter '10	14.12	466.12	DRY	----	----	----	4.56	462.81	7.26	453.31	7.75	452.57
Second Quarter '11	14.19	466.05	DRY	----	----	----	6.14	461.23	7.55	453.02	8.08	452.24
Third Quarter '11	14.73	465.51	DRY	----	----	----	5.08	462.29	7.61	452.96	8.12	452.20
Fourth Quarter '11	13.71	466.53	DRY	----	----	----	5.48	461.89	7.31	453.26	7.90	452.42
Second Quarter '12	14.12	466.12	26.35	461.40	----	----	6.47	460.90	7.62	452.95	8.22	452.10
Third Quarter '12	14.69	465.55	DRY	----	----	----	7.36	460.01	9.49	451.08	9.03	451.29
Fourth Quarter '12	15.07	465.17	DRY	----	----	----	6.31	461.06	8.02	452.55	8.33	451.99
Second Quarter '13	14.21	466.03	DRY	----	----	----	6.32	461.05	7.64	452.93	8.26	452.06
Third Quarter '13	13.98	466.26	26.38	461.37	----	----	----	----	7.65	452.92	8.16	452.16
Fourth Quarter '13	14.12	466.12	DRY	----	----	----	----	----	7.14	453.43	8.13	452.19
Second Quarter '14	14.12	466.12	DRY	----	----	----	----	----	8.10	452.47	7.99	452.33
Third Quarter '14	14.2	466.04	DRY	----	----	----	----	----	8.43	452.14	8.08	452.24
Fourth Quarter '14	14.24	466.00	DRY	----	----	----	----	----	8.46	452.11	8.04	452.28
Second Quarter '15	14.14	466.10	DRY	----	----	----	----	----	8.35	452.22	8.25	452.07
Third Quarter '15	14.18	466.06	DRY	----	----	----	----	----	8.55	452.02	7.98	452.34
Fourth Quarter '15	14.06	466.18	DRY	----	----	----	----	----	7.99	452.58	8.11	452.21
Second Quarter '16	14.19	466.05	DRY	----	----	----	----	----	8.20	452.37	7.89	452.43
Third Quarter '16	15.34	464.90	DRY	----	----	----	----	----	DRY	----	9.38	450.94
Fourth Quarter '16	14.79	465.45	DRY	----	----	----	----	----	7.63	452.94	8.00	452.32
Second Quarter '17	13.45	466.79	DRY	----	----	----	----	----	7.55	453.02	7.64	452.68
Third Quarter '17	14.26	465.98	DRY	----	----	----	----	----	8.56	452.01	8.22	452.10
Fourth Quarter '17	13.94	466.30	DRY	----	----	----	----	----	8.01	452.56	8.09	452.23
Second Quarter '18	13.7	466.54	DRY	----	----	----	----	----	7.96	452.61	7.88	452.44
Third Quarter '18	14.78	465.46	DRY	----	----	----	----	----	8.66	451.91	8.43	451.89
Fourth Quarter '18	13.84	466.40	DRY	----	----	----	----	----	7.77	452.80	8.05	452.27
Second Quarter '19	13.91	466.33	DRY	----	----	----	----	----	8.05	452.52	8.02	452.30
Third Quarter '19	14.67	465.57	DRY	----	----	----	----	----	8.59	451.98	8.85	451.47
Fourth Quarter '19	13.92	466.32	DRY	----					8.11	452.46	7.73	452.59
Change Since Previous Event	0.75		--		ECOMMISSIONED IN 200		COMMISSIONED IN 20		0.48		1.12	

NM - Not Measured

DRY - Well or piezometer was dry

TABLE 1
POST-CLOSURE GROUNDWATER MONITORING
SUMMARY OF GROUNDWATER LEVELS
GOULDS PUMPS, INC.

Well/Piezometer	P-8		P-9		P-10		P-11		P-13		MH	
Protective Casing Elevation	463.66		483.83		491.90		479.71		---		470.00	
Measuring Point Elevation	463.53		483.81		491.89		479.66		459.40		469.25	
Ground Elevation	461.45		481.29		489.40		476.47		455.99		----	
Date	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)
First Quarter '09	7.20	454.25	DRY	----	29.02	462.87	DRY	----	4.64	454.76	16.12	453.13
Second Quarter '09	7.79	453.66	DRY	----	29.08	462.81	DRY	----	4.71	454.69	16.26	452.99
Third Quarter '09	DRY	----	DRY	----	29.82	462.07	DRY	----	6.49	452.91	16.32	452.93
Fourth Quarter '09	DRY	----	DRY	----	DRY	----	NM	----	4.21	455.19	16.14	453.11
First Quarter '10	NM	----	DRY	----	29.61	462.28	DRY	----	5.49	453.91	16.20	453.05
Second Quarter '10	7.38	456.15	DRY	----	29.73	462.16	DRY	----	4.54	454.86	15.98	453.27
Third Quarter '10	DRY	----	DRY	----	DRY	----	DRY	----	7.03	452.37	16.28	452.97
Fourth Quarter '10	7.13	456.40	DRY	----	29.78	462.11	DRY	----	4.39	455.01	15.83	453.42
Second Quarter '11	DRY	----	DRY	----	29.37	462.52	DRY	----	6.31	453.09	15.71	453.54
Third Quarter '11	DRY	----	DRY	----	29.70	462.19	DRY	----	6.78	452.62	15.82	453.43
Fourth Quarter '11	7.33	----	DRY	----	DRY	----	DRY	----	4.80	454.60	16.08	453.17
Second Quarter '12	DRY	----	18.24	465.57	DRY	----	DRY	----	6.44	452.96	17.29	451.96
Third Quarter '12	DRY	----	DRY	----	DRY	----	DRY	----	8.30	451.10	15.91	453.34
Fourth Quarter '12	DRY	----	DRY	----	DRY	----	DRY	----	4.92	454.48	15.98	453.27
Second Quarter '13	DRY	----	DRY	----	29.59	462.30	DRY	----	5.87	453.53	15.91	453.34
Third Quarter '13	DRY	----	DRY	----	29.86	462.03	DRY	----	6.14	453.26	15.93	453.32
Fourth Quarter '13	7.68	455.85	DRY	----	DRY	----	DRY	----	5.55	453.85	16.06	453.19
Second Quarter '14	DRY	----	DRY	----	DRY	----	DRY	----	6.26	453.14	16.09	453.16
Third Quarter '14	DRY	----	DRY	----	DRY	----	DRY	----	6.44	452.96	15.97	453.28
Fourth Quarter '14	DRY	----	DRY	----	DRY	----	DRY	----	4.67	454.73	15.99	453.26
Second Quarter '15	DRY	----	DRY	----	29.74	462.15	DRY	----	5.95	453.45	16.06	453.19
Third Quarter '15	DRY	----	DRY	----	30.03	461.86	DRY	----	7.00	452.40	15.93	453.32
Fourth Quarter '15	DRY	----	DRY	----	DRY	----	DRY	----	5.23	454.17	16.11	453.14
Second Quarter '16	DRY	----	DRY	----	29.51	462.38	22.44	457.22	5.08	454.32	15.92	453.33
Third Quarter '16	DRY	----	DRY	----	DRY	----	DRY	----	DRY	----	15.90	453.35
Fourth Quarter '16	DRY	----	DRY	----	DRY	----	DRY	----	4.05	455.35	15.95	453.30
Second Quarter '17	7.50	456.03	DRY	----	29.10	462.79	DRY	----	3.93	455.47	15.97	453.28
Third Quarter '17	DRY	----	DRY	----	29.90	461.99	DRY	----	6.50	452.90	15.99	453.26
Fourth Quarter '17	DRY	----	DRY	----	29.91	461.98	DRY	----	3.78	455.62	15.97	453.28
Second Quarter '18	DRY	----	DRY	----	29.34	462.55	DRY	----	3.65	455.75	15.83	453.42
Third Quarter '18	DRY	----	DRY	----	DRY	----	DRY	----	6.51	452.89	16.03	453.22
Fourth Quarter '18	DRY	----	DRY	----	29.65	462.24	DRY	----	4.54	454.86	15.98	453.27
Second Quarter '19	DRY	----	DRY	----	29.25	462.64	NM	----	3.98	455.42	15.93	453.32
Third Quarter '19	DRY	----	DRY	----	30.04	461.85	DRY	----	7.21	452.19	15.99	453.26
Fourth Quarter '19	DRY	----	DRY	----	29.73	462.16	DRY	----	3.99	455.41	15.90	453.35
Change Since Previous Event	--		--		0.31		--		3.22		0.09	

NM - Not Measured

DRY - Well or piezometer was dry

Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID	NYSDEC		MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S
Sample Date	Class GA	CRDL [1]	6/21/2007	11/14/2007	5/21/2008	12/2/2008	4/29/2009	12/15/2009	4/8/2010	12/15/2010	6/30/2011	12/13/2011	6/12/2012	12/12/2012
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
Analyte														
Aluminum		200	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	50 J	41 J
Antimony	3 [2]	60	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	34 J	38 J	38 J	36 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 J	1.2 J
Calcium		5000	66000	66000	64000	62000	69000	69000	77000	72000	72000	72000	80000	72000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	8 J	10 U	7.5 J	7.2 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6.6 J
Copper	200	25	10 U	10 U	13	10 U	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	**300**	**300**	**370**	130	52	260	180	230	150	210	**670**	**650**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	100000	100000	98000	100000	100000	110000	120000	110000	110000	110000	130000	110000
Manganese	300 [3]	15	**200**	**200**	**210**	22	10 U	46	78	20	220	28	**160**	**91**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.9 J
Potassium		5000	6400	6400	5100	5300	5500	4900	5100	4800 JH	5300	4700	5500	5900
Selenium	10	5	10 U	10 U	10 U	***25**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**28000**	**28000**	**22000**	**49000**	**30000**	**25000**	**27000**	**25000**	**26000**	**25000**	**26000**	**25000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	12 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	5.1 J	20 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

CONCENTRATION QUALIFIERS:

B = The reported value is less than the CRDL, but greater than or equal to the IDL.

U = The analyte was analyzed, but not detected.

QUALIFIERS FOR SPECIFIC ENTRIES:

E = The reported value is estimated due to the presence of interference(s).

J = The value is being reported as estimated based on the findings of the Data Usability Summary Report (DUSR).

L = Based on the DUSR, these values are based on an elevated detection limit due to the copresence in the equipment blank.

I = Matrix Interference

NS = Not Sampled

* = The result of a calibration blank associated with this analysis was greater than the established control limit.

= Concentration is greater than GA Standards

ug/l = micrograms per liter

NOTES:

(1) The CRDL shown is the Contract Required Detection Limit per ASP.

(2) The value shown is a guidance value.

(3) The sum of iron and manganese shall be less than 500 ug/l.

SP - Submersible Pump with Dedicated Tubing

PP - Peristaltic Pump with Dedicated Tubing

B - Bailer (Either Dedicated or Disposable)

Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID	NYSDEC		MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S	MW-1S
Sample Date	Class GA	CRDL [1]	6/6/2013	10/30/2013	6/19/2014	12/3/2014	5/29/2015	11/10/2015	5/11/2016	12/7/2016	4/5/2017	12/5/2017	4/25/2018	12/12/2018	4/16/2019	12/12/2019
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	ug/L
Analyte																
Aluminum		200	100 U	100 U	40 J	100 U	100 U	100 U	30 J	44 J	100 U	100 U	100 U	197	100 U	100 U
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	50 U	27 J	50 U	50 U	50 U	50 U	50 U	8 J	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	5 U	5 U	5 U	2 J	5 U	10 U	3 J	5 U	5 U	5 U	5 U
Barium	1000	200	34 J	34 J	32	29	31	26	31	35	32	37	29	39	34	33
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	72000	70000	69000	65000	65000 J	59000 J	69000	62600	64100	68300	63500	63900	65100	65700
Chromium	50	10	4.4 J	4.3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	6 J	2 J	10 U	10 U	10 U	4 J	3 J	2 J	3 J	3 J	4 J	2 J
Iron	300 [3]	100	220	**340**	**520**	**620**	**630**	**750**	**660**	**400**	44 J	**363**	40 J	**335**	64	16 J
Lead	25	3	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
Magnesium	35000 [2]	5000	120000	110000	110000	99000	110000 J	95000	110000	111000	106000	114000	104000	107000	115000	102000
Manganese	300 [3]	15	83	72	**170**	**117**	**86**	**62**	**127**	38	7 J	51	17	32	13	7 J
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium		5000	4900	5500	5000	3900	4400	3900	4000	4300	4070	5160	3800	4160	3850	4000
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**27000**	**26000**	**28000**	**25000**	**25000**	**24000**	**26000**	**25200**	**25400**	**29300**	**25800**	**25700**	**27600**	**24800**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	3 J
Vanadium		50	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
Zinc	2000	20	20 U	20 U	50 U	50 U	50 U	50 U	50 U	4 J	4 J	5 U	50 U	2 J	50 U	50 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

CONCENTRATION QUALIFIERS:

B = The reported value is less than the CRDL, but greater than or equal to the IDL.

U = The analyte was analyzed, but not detected.

QUALIFIERS FOR SPECIFIC ENTRIES:

E = The reported value is estimated due to the presence of interference(s).

J = The value is being reported as estimated based on the findings of the Data Usability Summary Report (DUSR).

L = Based on the DUSR, these values are based on an elevated detection limit due to the copresence in the equipment blank.

I = Matrix Interference

NS = Not Sampled

* = The result of a calibration blank associated with this analysis was greater than the established control limit.

= Concentration is greater than GA Stan

ug/l = micrograms per liter

NOTES:

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Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-2S 6/20/2007 ug/L	MW-2S 11/14/2007 ug/L	MW-2S 5/21/2008 ug/L	MW-2S 12/2/2008 ug/L	MW-2S 4/29/2009 ug/L	MW-2S 12/14/2009 ug/L	MW-2S 4/8/2010 ug/L	MW-2S 12/15/2010 ug/L	MW-2S 6/29/2011 ug/L	MW-2S 12/12/2011 ug/L	MW-2S 6/12/2012 ug/L	MW-2S 12/12/2012 ug/L
Analyte														
Aluminum		200	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	41 J	100 U
Antimony	3 [2]	60	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	37 J	43 J	40 J	41 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 J	10 U
Calcium		5000	51000	54000	52000	54000	55000	57000	59000	58000	58000	60000	68000	60000
Chromium	50	10	10 U	10 U	10 U	18	10 U	10 U	10 U	10 U	8.8 J	10 U	7.8 J	4.9 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	10 U	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	50 U	50 U	64	**350**	25	130	140	50 U	33 J	94	72	69
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	95000	94000	93000	100000	96000	100000	110000	100000	110000	110000	120000	110000
Manganese	300 [3]	15	10 U	24	10 U	73	10 U	10 U	10 U	10 U	1.6 J	6.9 J	18	10
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.43	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.2 J
Potassium		5000	3600	7900	2600	4800	2700	3000	2600	3200	3300	6900	3800	7
Selenium	10	5	10 U	10 U	10 U	***36**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**34000**	**36000**	**27000**	**35000**	**37000**	**32000**	**32000**	**30000**	**29000**	**31000**	**33000**	**30000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	14 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	5.9 J	4.1 J	6 J	20 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

CONCENTRATION QUALIFIERS:

B = The reported value is less than the CRDL, but greater than or equal to the IDL.

U = The analyte was analyzed, but not detected.

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Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-2S 6/6/2013 ug/L	MW-2S 10/30/2013 ug/L	MW-2S 6/18/2014 ug/L	MW-2S 12/3/2014 ug/L	MW-2S 5/29/2015 ug/L	MW-2S 11/10/2015 ug/L	MW-2S 5/11/2016 ug/L	MW-2S 12/7/2016 ug/L	MW-2S 4/4/2017 ug/L	MW-2S 12/5/2017 ug/L	MW-2S 4/25/2018 ug/L	MW-2S 12/11/2018 ug/L	MW-2S 4/16/2019 ug/L	MW-2S 12/12/2019 ug/L
Analyte																
Aluminum		200	100 U	100 U	30 J	100 U	100 U	100 U	100 U	699	85 J	67 J	100 U	39 J	100 U	100 U
Antimony	3 [2]	60	10 U	10 U	**19 J**	50 U	50 U	**36 J**	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	5 U	5 U	5 U	5 U	2 J	5 U	3 J	5 U	5 U	5 U	5 U
Barium	1000	200	39 J	44 J	35	37	35	39	41	47	60	85	71	77	74	66
Beryllium	3 [2]	5	0.36 J	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	60000	56000	50000	53000	53000	48000	58000	36400	41600	51700	54800	55800	55400	58800
Chromium	50	10	4.7 J	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
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	4 J	2 J	10 J	3 J	3 J	8 J	3 J	4 J	3 J	3 J	4 J	10 U
Iron	300 [3]	100	29 J	63	60	40	40 J	100	50 U	**591**	64	99	24 J	110	36 J	45 J
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	3 J	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	110000	100000	96000	95000	100000	85000	110000	47400	56300	85600	94700	99000	105000	97100
Manganese	300 [3]	15	10 U	5.9 J	3 J	2 J	10 U	53	3 J	18	11	14	6 J	12	3 J	5 J
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium		5000	2600	2600	1800 J	3300	2300 J	3900 J	2000 J	1880 J	1710 J	3190 J	1960 J	2250 J	2060 J	2300 J
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**33000**	**33000**	**32000**	**32000**	**30000**	**29000**	**32000**	14500	18800	**30700**	**31400**	**32600**	**34100**	**31600**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	3 J
Vanadium		50	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
Zinc	2000	20	20 U	4.9 J	50 U	50 U	50 U	50 U	50 U	4 J	50 U	3 J	50 U	3 J	50 U	50 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

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Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-2D 6/20/2007 ug/L	MW-2D 11/14/2007 ug/L	MW-2D 5/21/2008 ug/L	MW-2D 12/2/2008 ug/L	MW-2D 4/29/2009 ug/L	MW-2D 12/15/2009 ug/L	MW-2D 4/8/2010 ug/L	MW-2D 12/15/2010 ug/L	MW-2D 6/30/2011 ug/L	MW-2D 12/13/2011 ug/L	MW-2D 6/12/2012 ug/L	MW-2D 12/12/2012 ug/L
Analyte														
Aluminum		200	100 U	410	300	440	330	250	390	430	560	530	260	220
Antimony	3 [2]	60	14	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	34 J	34 J	38 J	34 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1.2 J
Calcium		5000	70000	73000	67000	70000	150000	72000	77000	74000	73000	73000	83000	70000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	7.6 J	7.4 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	8.4 J
Copper	200	25	10 U	10 U	11	11	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	140	**700**	**1200**	**1700**	290	**550**	**490**	**650**	**510**	**450**	**520**	**550**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	120000	110000	110000	120000	310000	120000	120000	120000	120000	120000	140000	120000
Manganese	300 [3]	15	52	**170**	**160**	**170**	66	**120**	**90**	**130**	**61**	**140**	**120**	**140**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	11	10 U	10 U	10 U	10 U	3 J	3.4 J	4 J	5.7 J
Potassium		5000	7600	6500	7100	6900	18000	4500	4900	4500	6900	4600	6000	6100
Selenium	10	5	10 U	10 U	10 U	***35**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**57000**	**53000**	**40000**	**84000**	**120000**	**46000**	**49000**	**45000**	**48000**	**45000**	**48000**	**39000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	12 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U
Zinc	2000	20	10 U	10 U	32	29	17	20 U	20 U	20 U	8.9 J	12 J	26	39
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

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Monitoring Years 2007-2019

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Analyte																
Aluminum		200	180	89	40 J	100 U	80 J	100 U	70 J	34 J	441	84 J	199	71 J	47 J	77 J
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	50 U	50 U	50 U	12 J	50	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U	3 J	5 U	4 J	3 J
Barium	1000	200	35 J	32 J	25	34	33	27	31	35	42	51	48	34	33	35
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	71000	75000	64000	69000	66000	63000	60000	62300	64700	60800	66600	65500	64200	66700
Chromium	50	10	5.1 J	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
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	2 J
Copper	200	25	10 U	10 U	2 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	3 J	10 U
Iron	300 [3]	100	270	**790**	230	240	**570**	210	**470**	**417**	**1140**	**366**	**1000**	**494**	282	278
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 J	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	120000	130000	110000	110000	120000	100000	110000	117000	111000	113000	115000	115000	120000	104000
Manganese	300 [3]	15	48	**120**	97	107	**104**	95	**85**	**87**	**166**	105	**90**	**83**	79	83
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	2.4 J	2 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium		5000	5100	6400	7100	4200	5000	3800	3900	3900	4040	7360	7450	4790	8310	4440
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**44000**	**49000**	**47000**	**44000**	**45000**	**46000**	**44000**	**43900**	**46100**	**45900**	**50000**	**45900**	**50400**	**42800**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	2 J	50 U	50 U	20 U	4 J
Vanadium		50	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
Zinc	2000	20	5.9 J	5.1 J	50 U	50 U	50 U	50 U	50 U	3 J	4 J	50 U	4 J	3 J	50 U	4 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B	B

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Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-2R 6/21/2007 ug/L	MW-2R 11/14/2007 ug/L	MW-2R 5/21/2008 ug/L	MW-2R 12/2/2008 ug/L	MW-2R 4/29/2009 ug/L	MW-2R 12/15/2009 ug/L	MW-2R 4/8/2010 ug/L	MW-2R 12/15/2010 ug/L	MW-2R 6/29/2011 ug/L	MW-2R 12/13/2011 ug/L	MW-2R 6/12/2012 ug/L	MW-2R 12/12/2012 ug/L
Analyte														
Aluminum		200	100 U	680	310	5100	750	610	950	100 U	470	1100	160	460
Antimony	3 [2]	60	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	**33**	12	10 U	10 U	14	16	19	15	15	9.2 J	18
Barium	1000	200	200 U	530	200 U	200 U	200 U	100 U	100 U	100 U	20 J	24 J	73 J	22 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.2 J	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Calcium		5000	210000	240000	210000	270000	230000	230000	260000	250000	250000	260000	270000	240000
Chromium	50	10	10 U	10 U	10 U	11	10 U	10 U	10 U	10 U	6.7 J	10 U	5.4 J	5.8 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	26	10 U	10 U	10 U	10 U	10 U	10 U	5.2 J	10 U
Iron	300 [3]	100	**1800**	**2300**	**1800**	**7800**	**2300**	**2300**	**2700**	**1900**	**2200**	**2700**	**1000**	**2200**
Lead	25	3	10 U	10 U	10 U	24	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	87000	95000	82000	98000	85000	87000	98000	92000	95000	99000	62000	92000
Manganese	300 [3]	15	**47**	**57**	**45**	**190**	**54**	**58**	**61**	**44**	**52**	**60**	**28**	**54**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	21	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.1 J
Potassium		5000	9100	4100	3300	8500	3700	2900	3300	2300	3500	2900	5400	1900
Selenium	10	5	10 U	10 U	10 U	***100**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**54000**	**57000**	**41000**	**47000**	**54000**	**43000**	**49000**	**43000**	**47000**	**45000**	**40000**	**43000**
Thallium	0.5 [2]	10	*10 U	*10 U	**32**	10 U	10 U	20 U	20 U	20 U	20 U	20 U	11 J	20 U
Vanadium		50	10 U	10 U	10 U	10	10	10 U	10 U	10 U	10 U	2.1 J	10 U	10 U
Zinc	2000	20	10 U	13	10 U	120	20	20 U	20 U	20 U	8.2 J	12 J	14 J	11 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

CONCENTRATION QUALIFIERS:

B = The reported value is less than the CRDL, but greater than or equal to the IDL.

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QUALIFIERS FOR SPECIFIC ENTRIES:

E = The reported value is estimated due to the presence of interference(s).

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ug/l = micrograms per liter

NOTES:

(1) The CRDL shown is the Contract Required Detection Limit per ASP.

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Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-2R 6/7/2013 ug/L	MW-2R 10/30/2013 ug/L	MW-2R 6/19/2014 ug/L	MW-2R 12/4/2014 ug/L	MW-2R 5/29/2015 ug/L	MW-2R 11/10/2015 ug/L	MW-2R 5/11/2016 ug/L	MW-2R 12/7/2016 ug/L	MW-2R 4/5/2017 ug/L	MW-2R 12/5/2017 ug/L	MW-2R 4/25/2018 ug/L	MW-2R 12/11/2018 ug/L	MW-2R 4/16/2019 ug/L	MW-2R 12/12/2019 ug/L
Analyte																
Aluminum		200	400	160	80 J	120	40 J	50 J	110	113	616	123	158	148	1370	536
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	15	13	14	14	12	13	19	15	16	17	16	19	20	15
Barium	1000	200	21 J	18 J	15	14	13	12	14	15	38	17	15	15	25	20
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	250000	220000	230000	230000	230000	210000	240000	224000	223000	235000	221000	231000	230000	241000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	3 J	3 J	10 U	10 U	10 U	3 J	2 J	2 J	2 J	2 J	3 J	2 J
Iron	300 [3]	100	**2000**	**1600**	**1700**	**1700**	**1600**	**1600**	**1600**	**1740**	**2280**	**1600**	**1640**	**1900**	**3230**	**2190**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	3 J	10 U	3 J	10	4 J
Magnesium	35000 [2]	5000	94000	87000	92000	84000	94000	79000	93000	96400	85100	90800	85000	90700	86700	84300
Manganese	300 [3]	15	**49**	**44**	**43**	**46**	**42**	**40**	**42**	**43**	**55**	**44**	**43**	**48**	**89**	**53**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	25 U	25 U	25 U	25 U	25 U	25 U	2.8 J	25 U	25 U	25 U	25 U	25 U
Potassium		5000	3000	2900	2400 J	2200 J	2600	2100	2400	2350 J	2400 J	2980	2340 J	2490 J	2720	2460 J
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**47000**	**44000**	**49000**	**44000**	**46000**	**46000**	**47000**	**45800**	**45500**	**51600**	**46700**	**48100**	**49400**	**46400**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	3 J
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U
Zinc	2000	20	7.8 J	6.1 J	8 J	50 U	50 U	50 U	50 U	5 J	8 J	5 J	3 J	5 J	11 J	10 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B	B

CONCENTRATION QUALIFIERS:

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Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-4S 6/20/2007 ug/L	MW-4S 11/14/2007 ug/L	MW-4S 5/21/2008 ug/L	MW-4S 12/2/2008 ug/L	MW-4S 4/29/2009 ug/L	MW-4S 12/15/2009 ug/L	MW-4S 4/8/2010 ug/L	MW-4S 12/15/2010 ug/L	MW-4S 6/30/2011 ug/L	MW-4S 12/13/2011 ug/L	MW-4S 6/12/2012 ug/L	MW-4S 12/12/2012 ug/L
Analyte														
Aluminum		200	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Antimony	3 [2]	60	11	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	29 J	29 J	33 J	29 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.4 J
Calcium		5000	71000	66000	66000	66000	73000	73000	78000	74000	75000	76000	78000	69000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.1 J	5.8 J	10 U	8.1 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7.4 J
Copper	200	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	210	**310**	82	**600**	88	160	50 U	110	270	170	170	64
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	150000	130000	130000	140000	140000	140000	150000	140000	150000	150000	160000	130000
Manganese	300 [3]	15	160	81	130	**54**	57	31	19	32	89	34	130	8 J
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Potassium		5000	6300	5500	4600	5300	4800	4400	4200	4100	5000	4900	4300	5500
Selenium	10	5	10 U	10 U	10 U	***40**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**54000**	**53000**	**39000**	**52000**	**59000**	**49000**	**50000**	**47000**	**50000**	**48000**	**45000**	**46000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	4.7 J	20 U	20 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

CONCENTRATION QUALIFIERS:

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Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-4S 6/7/2013 ug/L	MW-4S 10/30/2013 ug/L	MW-4S 6/18/2014 ug/L	MW-4S 12/4/2014 ug/L	MW-4S 5/28/2015 ug/L	MW-4S 11/10/2015 ug/L	MW-4S 5/11/2016 ug/L	MW-4S 12/7/2016 ug/L	MW-4S 4/5/2017 ug/L	MW-4S 12/5/2017 ug/L	MW-4S 4/25/2018 ug/L	MW-4S 12/11/2018 ug/L	MW-4S 4/16/2019 ug/L	MW-4S 12/12/2019 ug/L
Analyte																
Aluminum		200	400	100 U	30 J	100 U	10 U	100 U	100 U	100 U	55 J	100 U	100 U	100 U	100 U	100 U
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	3 J	5 U	5 U	4 J	5 U
Barium	1000	200	39 J	27 J	26	23	25	22	26	23	25	26	24	26	25	24
Beryllium	3 [2]	5	0.22 J	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	73000	68000	64000	66000	68000	64000	75000	63500	70400	68900	70800	68100	70800	70300
Chromium	50	10	5.4 J	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
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	8.7 J	10 U	2 J	2 J	10 U	10 U	2 J	3 J	2 J	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	**2200**	**390**	180	40 J	40 J	140 J	70	166	83	238	74	**414**	124	174
Lead	25	3	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
Magnesium	35000 [2]	5000	140000	140000	130000	120000	140000	130000	150000	142000	141000	138000	143000	139000	140000	134000
Manganese	300 [3]	15	**210**	80	98	23	45	60	47	33	19	39	24	43	26	30
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	4.5 J	10 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium		5000	7000	4700	3400	3800	3600	3400	3500	3700	3560	4520	3450	3870	3630	3710
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**49000**	**50000**	**47000**	**48000**	**47000**	**49000**	**50000**	**50100**	**50300**	**55300**	**50100**	**51600**	**50400**	**49700**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	3 J
Vanadium		50	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
Zinc	2000	20	23	20 U	50 U	50 U	50 U	50 U	50 U	50 U	2 J	5 U	50 U	3 J	50 U	50 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

CONCENTRATION QUALIFIERS:

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ug/l = micrograms per liter

NOTES:

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Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-4D 6/20/2007 ug/L	MW-4D 11/14/2007 ug/L	MW-4D 5/21/2008 ug/L	MW-4D 12/2/2008 ug/L	MW-4D 4/29/2009 ug/L	MW-4D 12/15/2009 ug/L	MW-4D 4/8/2010 ug/L	MW-4D 12/15/2010 ug/L	MW-4D 6/30/2011 ug/L	MW-4D 12/13/2011 ug/L	MW-4D 6/12/2012 ug/L	MW-4D 12/12/2012 ug/L
Analyte														
Aluminum		200	100 U	850	3000	200	300	110	240	230	180	140 J	920	280 J
Antimony	3 [2]	60	21	10 U	10 U	10 U	24	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	35 J	23 J	33 J	24 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.23 J	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Calcium		5000	130000	230000	210000	190000	150000	130000	190000	230000	160000	200000	220000	200000
Chromium	50	10	12	10 U	10 U	32	10 U	10 U	10 U	10 U	14	9.1 J	8.8 J	29 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11	10 U	10 U	10 U	10 U
Iron	300 [3]	100	78	**990**	**4200**	290	290	98	290	**3000**	230	280	**810**	**330**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	390000	350000	330000	350000	310000	350000	380000	340000	390000 E	340000	400000	360000
Manganese	300 [3]	15	48	**200**	**210**	110	66	39	59	**16**	80	63	**150**	76
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	16	10 U	11	10	10 U	10 U	10 U	10 U	4.3 J	5.3 J	6.2 J	5.9 J
Potassium		5000	1700	9600	1700	19000	18000	15000	11000	8600	1600	ar	14000	18000
Selenium	10	5	10 U	10 U	10 U	***86**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**160000**	**120000**	**120000**	**130000**	**120000**	**120000**	**130000**	**120000**	**120000**	**120000**	**120000**	**120000**
Thallium	0.5 [2]	10	12	10 U	36	10 U	10 U	20 U	20 U	20 U	20 U	20 U	14 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Zinc	2000	20	100	10 U	37	11	17 U	20 U	20 U	24	5.2	7 J	12 J	5.1 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

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Table 2
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Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-4D 6/7/2013 ug/L	MW-4D 10/31/2013 ug/L	MW-4D 6/19/2014 ug/L	MW-4D 12/4/2014 ug/L	MW-4D 5/29/2015 ug/L	MW-4D 11/10/2015 ug/L	MW-4D 5/12/2016 ug/L	MW-4D 12/7/2016 ug/L	MW-4D 4/6/2017 ug/L	MW-4D 12/6/2017 ug/L	MW-4D 4/25/2018 ug/L	MW-4D 12/11/2018 ug/L	MW-4D 4/16/2019 ug/L	MW-4D 12/12/2019 ug/L
Analyte																
Aluminum		200	120	190	700	250	2700	60 J	1500	2470	287	131	302	242	88 J	175
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	2 J	3 J	5 U	3 J	5 U	3 J	2 J	5 U	3 J	2 J	5 U
Barium	1000	200	24 J	21 J	57	33	61	17	27	36	21	23	19	17	15	18
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	180000	180000	170000	160000	200000	180000	210000	219000	208000	148000	192000	207000	207000	195000
Chromium	50	10	10 U	4.7 J	10 U	10 U	10 U	10 U	4 J	5 J	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	3 J	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	6 J	3 J	16	90 J	12	16	4 J	4 J	6 J	3 J	3 J	3 J
Iron	300 [3]	100	97	200	**1200**	**460**	**3900**	120	**2200**	**3620**	**410**	220	**337**	**378**	223	229
Lead	25	3	10 U	10 U	3 J	10 U	5 J	10 U	10 U	5 J	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	320000	340000	280000	270000	340000	300000	340000	409000	374000	296000	333000	375000	355000	316000
Manganese	300 [3]	15	45	60	**55**	**119**	**208**	39	**167**	**197**	**132**	29	80	106	131	70
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	4.8 J	4.8 J	5 J	7 J	9 J	5 J	9 J	8 J	5 J	4 J	6 J	5 J	4 J	3 J
Potassium		5000	12000	19000	7900	8900	9800	7000	8200	6860	6820	6820	7270	6960	7890	6670
Selenium	10	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**120000**	**110000**	**110000**	**110000**	**110000**	**110000**	**120000**	**107000**	**109000**	**112000**	**111000**	**113000**	**120000**	**96300**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	4 J
Vanadium		50	10 U	10 U	1 J	10 U	5 J	10 U	3 J	4 J	10 J	10 J	10 U	10 U	10 U	10 U
Zinc	2000	20	4.4 J	7 J	11 J	9 J	18 J	50 U	11 J	16 J	5 J	4 J	5 J	5 J	5 J	6 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B	B

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NOTES:

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(2) The value shown is a guidance value.

(3) The sum of iron and manganese shall be less than 500 ug/l.

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Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID	NYSDEC		MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S	MW-5S
Sample Date	Class GA	CRDL [1]	6/20/2007	11/14/2007	5/20/2008	12/2/2008	4/29/2009	12/15/2009	4/8/2010	12/15/2010	6/29/2011	12/12/2011	6/12/2012	12/12/2012
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)
Analyte														
Aluminum		200	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Antimony	3 [2]	60	11	10 U	10 U	10 U	13	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	13	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	26 J	27 J	36 J	30 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Calcium		5000	87000	77000	84000	65000	90000	85000	96000	83000	90000	88000	85000	70000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.2 J	4.5 J	7.9 J	10 U
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25	10 U	10 U	16	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.8 J	10 U
Iron	300 [3]	100	**330**	170	280	160	150	50 U	**310**	210	270	260	24	50 U
Lead	25	3	10 U	10 U	10 U	10 U	18	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	170000	140000	160000	130000	170000	160000	180000	150000	160000	160000	160000	120000
Manganese	300 [3]	15	97	69	82	57	78	85	83	73	83	94	10 U	13
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Potassium		5000	6800	7700	5400	7000	6400	4800	5100	4700 JH	5100	5100	5700	5300
Selenium	10	5	10 U	10 U	10 U	***36**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**46000**	**40000**	**38000**	**31000**	**50000**	**37000**	**42000**	**34000**	**37000**	**37000**	**33000**	**28000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	14 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	10 U	20	20 U	20 U	20 U	5.8 J	4.2 J	14 J	20 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

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Goulds Pumps, Inc.
Monitoring Years 2007-2019

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Sample Date	Class GA	CRDL [1]	6/6/2013	10/30/2013	6/19/2014	12/3/2014	5/28/2015	11/10/2015	5/11/2016	12/7/2016	4/4/2017	12/5/2017	4/25/2018	12/10/2018	4/16/2019	12/12/2019
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)	(ug/L)
Analyte																
Aluminum		200	100 U	NS	100 U	100 U	40 J	10 U	20 J	100 U	34 J	34 J	10 U	38 J	32 J	100 U
Antimony	3 [2]	60	10 U	NS	50 U	23 J	50 U	50 U	50 U	15 J	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	NS	5 U	5 U	5 U	5 U	3 J	5 U	5 U	5 U	2 J	2 J	5 U	2 J
Barium	1000	200	28 J	NS	29	34	33	34	32	34	32	46	40	60	63	68
Beryllium	3 [2]	5	10 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U
Calcium		5000	75000	NS	73000	91000	99000	100000	120000	102000	112000	139000	141000	180000	183000	214000
Chromium	50	10	4.9 J	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt		50	10 U	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	NS	4 J	4 J	5 J	6 J	5 J	8 J	6 J	5 J	7 J	5 J	6 J	5 J
Iron	300 [3]	100	50 U	NS	50 U	30 J	160	140	50	63	60	87	16 J	114	43 J	50 U
Lead	25	3	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	140000	NS	140000	150000	190000	170000	200000	195000	200000	234000	247000	318000	309000	318000
Manganese	300 [3]	15	3.8 J	NS	5 J	25 J	45	96	25	8 J	4 J	20	11	14	8 J	14
Mercury	0.7	0.2	0.2 U	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	NS	25 U	25 U	4 J	25 U	25 U	2 J	3 J	3 J	3 J	2 J	25 U	25 U
Potassium		5000	4800	NS	3600	4400	4600	4900	4700	5220	4820	7800	5340	8260	8240	8520
Selenium	10	5	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	NS	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**34000**	NS	**33000**	**36000**	**47000**	**50000**	**54000**	**53200**	**63900**	**98700**	**120000**	**192000**	**244000**	**280000**
Thallium	0.5 [2]	10	20 U	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	4 J
Vanadium		50	10 U	NS	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	20 U	NS	50 U	8 J	16 J	13 J	50 U	6 J	4 J	3 J	3 J	4 J	3 J	50 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

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ug/l = micrograms per liter

NOTES:

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Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-5D 6/20/2007 ug/L	MW-5D 11/14/2007 ug/L	MW-5D 6/20/2008 ug/L	MW-5D 12/2/2008 ug/L	MW-5D 4/29/2009 ug/L	MW-5D 12/15/2009 ug/L	MW-5D 4/8/2010 ug/L	MW-5D 12/15/2010 ug/L	MW-5D 6/30/2011 ug/L	MW-5D 12/13/2011 ug/L	MW-5D 6/12/2012 ug/L	MW-5D 12/12/2012 ug/L
Analyte														
Aluminum		200	100 U	170	300	100 U	720	130	110	3000 U	150	500	2700	140
Antimony	3 [2]	60	11	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	19 J	19 J	39 J	23 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.28 J	0.21 J
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.3 J
Calcium		5000	120000	140000	150000	160000	160000	180000	190000	200000	190000	220000	230000	220000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10	5.2 J	11	7.4 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6.2 J
Copper	200	25	10 U	10 U	10 U	10 U	10	10 U	10 U	10	10 U	10 U	6.4 J	11 J
Iron	300 [3]	100	95	170	**370**	75	**860**	140	170	**4000**	190	**500**	**2600**	160
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	170000	170000	160000	180000	160000	180000	180000	190000	200000	220000	220000	230000
Manganese	300 [3]	15	20	10 U	45	190	**13**	14	10 U	**110**	9.4 J	**11**	**80**	14
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.071 J	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	15	11	10 U	10 U	10 U	2.6 J	3 J	5.7 J	6.6 J
Potassium		5000	3900	8400	8500	8200	9500	8900	1100 U	1100 JH	12000	9500	12000	15000
Selenium	10	5	10 U	10 U	10 U	***66**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**74000**	**76000**	**61000**	**64000**	**79000**	**64000**	**69000**	**65000**	**68000**	**70000**	**67000**	**72000**
Thallium	0.5 [2]	10	12	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	12 J	20 J
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.2 J	10 J
Zinc	2000	20	10 U	10 U	10 U	10 U	19	20 U	20 U	21	20 U	7.6 J	15 J	4.7 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

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Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-5D 6/7/2013 ug/L	MW-5D 10/30/2013 ug/L	MW-5D 6/19/2014 ug/L	MW-5D 12/4/2014 ug/L	MW-5D 5/29/2015 ug/L	MW-5D 11/10/2015 ug/L	MW-5D 5/11/2016 ug/L	MW-5D 12/7/2016 ug/L	MW-5D 4/6/2017 ug/L	MW-5D 12/6/2017 ug/L	MW-5D 4/25/2018 ug/L	MW-5D 12/10/2018 ug/L	MW-5D 4/16/2019 ug/L	MW-5D 12/12/2019 ug/L
Analyte																
Aluminum		200	290	NS	140	100 U	560	40 J	30 J	51 J	85 J	100 U	100 U	100 U	679	859
Antimony	3 [2]	60	10 U	NS	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	NS	5 U	3 J	5 U	5 U	2 J	5 U	4 J	4 J	3 J	3 J	4 J	5 U
Barium	1000	200	23 J	NS	55	8 J	18	55	16	13	26	15	22	17	62	46
Beryllium	3 [2]	5	10 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	190000	NS	160000	79000	200000	150000	220000	184000	208000	213000	227000	226000	268000	253000
Chromium	50	10	6.2 J	NS	10 U	10 U	10 U	10 U	10 J	10 U	10 U	5 J	10 U	10 U	9 J	8 J
Cobalt		50	10 U	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	6 J	NS	3 J	10 U	5 J	10 U	3 J	4 J	3 J	3 J	3 J	2 J	9 J	7 J
Iron	300 [3]	100	220	NS	140	80	**1100**	110	20 J	92	298	232	14 J	69	**4840**	**5070**
Lead	25	3	10 U	NS	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	5 J
Magnesium	35000 [2]	5000	200000	NS	4400	170000	220000	150000	220000	234000	205000	233000	197000	232000	184000	203000
Manganese	300 [3]	15	11	NS	3 J	10 U	**158**	6 J	18	6 J	10	38	6 J	13	**93**	**84**
Mercury	0.7	0.2	0.2 U	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	4.6 J	NS	25 U	25 U	7 J	25 U	7 J	3 J	4 J	5 J	4 J	3 J	6 J	6 J
Potassium		5000	12000	NS	4700	9200	7500	6500	9300	7220	8640	10200	8360	9010	11500	9510
Selenium	10	5	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	NS	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**65000**	NS	**26000**	**59000**	**65000**	**65000**	**84000**	**68000**	**208000**	**128000**	**179000**	**136000**	**388000**	**197000**
Thallium	0.5 [2]	10	20 U	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	3 J
Vanadium		50	10 U	NS	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Zinc	2000	20	4.5 J	NS	41 J	11 J	1880	13 J	50 U	16 J	87 J	20 J	10 J	15 J	833	1820
Purge Method			B	B	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

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Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-5R 6/20/2007 ug/L	MW-5R 11/14/2007 ug/L	MW-5R 5/20/2008 ug/L	MW-5R 12/2/2008 ug/L	MW-5R 4/29/2009 ug/L	MW-5R 12/10/2009 ug/L	MW-5R 4/8/2010 ug/L	MW-5R 12/16/2010 ug/L	MW-5R 6/29/2011 ug/L	MW-5R 12/13/2011 ug/L	MW-5R 6/12/2012 ug/L	MW-5R 12/12/2012 ug/L
Analyte														
Aluminum		200	100 U	230	100 U	360	100 U	300	140	180	190	150	76 J	150
Antimony	3 [2]	60	12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	**52**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	19 J	19 J	26 J	21 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.23 J	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Calcium		5000	570000	540000	520000	540000	530000	580000	570000	570000	550000	580000	500000	450000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	11	10 U	10 U	10 U	10 U	6.6 J	10 U
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6.1 J	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	51	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	**1000**	**1200**	**1000**	**1500**	**910**	**1400**	**1100**	**1300**	**1100**	**1100**	**650**	**1100**
Lead	25	3	10 U	10 U	10 U	14	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	95000	88000	90000	90000	92000	100000	100000	96000	93000	98000	100000	100000
Manganese	300 [3]	15	**35**	**36**	**34**	**66**	**43**	**42**	**32**	**36**	**34**	**35**	**31**	**37**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.29	0.20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	14	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Potassium		5000	*11000	9900	10000	7900	10000	7400	7800	6400 JH	8600	6600	7400	6300
Selenium	10	5	10 U	10 U	10 U	***170**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**86000**	**78000**	**65000**	**60000**	**88000**	**66000**	**69000**	**58000**	**62000**	**62000**	**57000**	**66000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	**83**	10 U	**39**	20 U	20 U	20 U	20 U	15 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	12	10 U	85	24	20 U	20 U	20 U	20 U	9 J	11 J	7.2 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

CONCENTRATION QUALIFIERS:

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Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-5R 6/7/2013 ug/L	MW-5R 10/30/2013 ug/L	MW-5R 6/19/2014 ug/L	MW-5R 12/4/2014 ug/L	MW-5R 5/28/2015 ug/L	MW-5R 11/10/2015 ug/L	MW-5R 5/11/2016 ug/L	MW-5R 12/7/2016 ug/L	MW-5R 4/4/2017 ug/L	MW-5R 12/5/2017 ug/L	MW-5R 4/24/2018 ug/L	MW-5R 12/10/2018 ug/L	MW-5R 4/16/2019 ug/L	MW-5R 12/12/2019 ug/L
Analyte																
Aluminum		200	68 J	NS	1300	2100	570	2400	410	1180	378	288	392	380	1020	2120
Antimony	3 [2]	60	10 U	NS	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	NS	2 J	8	5 U	5 U	4 J	5 U	5 U	5 U	5 U	5	4 J	5 U
Barium	1000	200	21 J	NS	43	70	23	49	30	59	22	25	15	22	30	19
Beryllium	3 [2]	5	10 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U
Calcium		5000	570000	NS	260000	310000	480000	420000	530000	392000	476000	536000	479000	494000	468000	524000
Chromium	50	10	10 U	NS	3.8 J	6.6 J	10 U	5 J	2 J	3 J	10 U	2 J	10 U	10 U	5 J	10 U
Cobalt		50	10 U	NS	20 U	20 U	20 U	50 U	20 U	2 J	2 J	20 U	20 U	20 U	2 J	20 U
Copper	200	25	10 U	NS	10	14	4 J	9 J	3 J	5 J	4 J	3 J	4 J	3 J	6 J	10 U
Iron	300 [3]	100	**950**	NS	**3600**	**7800**	**1400**	**6000**	**1200**	**3550**	**1570**	**2920**	**1150**	**1760**	**6760**	**8450**
Lead	25	3	10 U	NS	7 J	14	3 J	5 J	10 J	5 J	3 J	10 U	10 U	7 J	6 J	10 U
Magnesium	35000 [2]	5000	98000	NS	53000	61000	90000	72000	84000	74200	78700	85100	80100	89200	78400	80600
Manganese	300 [3]	15	**32**	NS	**87**	**187**	**68**	**142**	**63**	**81**	**51**	**77**	**43**	**55**	**113**	**42**
Mercury	0.7	0.2	0.2 U	NS	0.2 U	0.13 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	NS	7 J	10 J	25 U	10 J	4 J	4 J	3 J	25 U	25 U	25 U	3 J	25 U
Potassium		5000	7200	NS	8600	8800	8000	7700	7800	7970	7040	8900	6070	6770	8380	6040
Selenium	10	5	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J	10 U
Silver	50	10	10 U	NS	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**67000**	NS	**120000**	**110000**	**130000**	**86000**	**180000**	**288000**	**288000**	**184000**	**176000**	**146000**	**390000**	**90200**
Thallium	0.5 [2]	10	20 U	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	2 J
Vanadium		50	10 U	NS	3 J	6 J	1 J	4 J	1 J	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Zinc	2000	20	20 U	NS	17 J	27 J	9 J	22 J	9 J	14 J	9 J	11 J	6 J	11 J	16 J	8 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B	B

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Analyte														
Aluminum		200	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	56 J	100 U
Antimony	3 [2]	60	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	23	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J	10 J
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	200 U	100 U	100 U	55 J	65 J	52 J	56 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.3 J	1.1 J
Calcium		5000	55000	72000	51000 U	61000	51000	68000	69000	74000	64000	72000	63000	72000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5.7 J	10 U	6.3 J	6.5 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	**1200**	**1700**	**1200**	**2500**	**1800**	**2100**	**690**	**1100**	**2100**	**960**	**3600**	**1100**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	21000	27000	23000	23000	19000	25000	31000	39000	30000	37000	19000	28000
Manganese	300 [3]	15	**620**	**430**	**440**	**540**	**720**	**560**	**490**	**540**	**470**	**420**	**500**	**420**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Potassium		5000	1800	2500	1400	2200	1500	2300	1600	2200 JH	2300	2100	2600	2500
Selenium	10	5	10 U	10 U	10 U	***25**	**13**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	7300	9800	6600	5800	9500	7000	11000	12000	16000	14000	12000	13000
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	14 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	10 U	11	20 U	20 U	20 U	20 U	20 U	4.6 J	20 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

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Analyte																
Aluminum		200	100 U	84 J	100 U	100 U	10 U	100 U	10 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	50 U	50 U	41 J	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	5 U	5 U	5 U	3 J	5 U	4 J	2 J	5 U	5 U	3 J	5 U
Barium	1000	200	53 J	52 J	56	50	62	62	58	59	50	38	48	47	63	53
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	62000	68000	57000	67000	59000	64000	65000	65700	54200	55600	55700	59400	60500	72700
Chromium	50	10	4.6 J	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
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Iron	300 [3]	100	**960**	**1100**	**590**	**460**	**1200**	**340**	**580**	**414**	**444**	**446**	**315**	**551**	**218**	**546**
Lead	25	3	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
Magnesium	35000 [2]	5000	31000	29000	33000	30000	34000	27000	31000	32400	25900	14000	26300	21300	32600	22800
Manganese	300 [3]	15	**400**	**510**	**359**	**441**	**404**	**303**	**487**	**362**	**311**	**370**	**232**	**361**	**291**	**466**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium		5000	2200	3000	1400 J	1900 J	1800 J	2100 J	1800 J	2200 J	1660 J	23600 J	1630 J	2100 J	1870 J	2370 J
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	11000	10000	12000	12000	**21000**	16000	16000	14000	11300	9640	12200	11000	17500	**25400**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	4 J
Vanadium		50	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
Zinc	2000	20	20 U	4.6 J	50 U	50 U	20 U	50 U	50 U	2 J	50 U	2 J	50 U	2 J	50 U	50 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

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Aluminum		200	100 U	470	100 U	100 U	100 U	190	100 U	200	330	100 U	62 J	110
Antimony	3 [2]	60	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	49 J	62 J	54 J	55 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 J	10 U
Calcium		5000	10 U	51000	54000 U	52000	56000	56000	63000	61000	59000	59000	72000	62000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6.5 J	7.8 J	4.6 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5.3 J	8.2 J
Iron	300 [3]	100	50 U	**360**	63	50 U	50 U	150	10 U	230	210	50 U	61	**370**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	83000	67000	75000	77000	81000	81000	93000	84000	84000	82000	110000	92000
Manganese	300 [3]	15	10 U	27	10 U	25	10 U	35	10 U	10 U	3.4 J	3.0 J	3.1 J	**79**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.1 J
Potassium		5000	6000	5400	4600 U	5000	5100	4200	4700	4300 JH	4400	4000	5500	5500
Selenium	10	5	10 U	10 U	10 U	***29**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**34000**	**48000**	**27000**	**31000**	**34000**	**28000**	**30000**	**28000**	**26000**	**28000**	**30000**	**28000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	15 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	8.6 J	20 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

CONCENTRATION QUALIFIERS:

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ug/l = micrograms per liter

NOTES:

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(3) The sum of iron and manganese shall be less than 500 ug/l.

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Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-8S 6/7/2013 ug/L	MW-8S 10/31/2013 ug/L	MW-8S 6/18/2014 ug/L	MW-8S 12/4/2014 ug/L	MW-8S 5/28/2015 ug/L	MW-8S 11/10/2015 ug/L	MW-8S 5/11/2016 ug/L	MW-8S 12/7/2016 ug/L	MW-8S 4/5/2017 ug/L	MW-8S 12/5/2017 ug/L	MW-8S 4/23/2018 ug/L	MW-8S 12/12/2018 ug/L	MW-8S 4/16/2019 ug/L	MW-8S 12/12/2019 ug/L
Analyte																
Aluminum		200	550	100 U	100 U	100 U	220	100 U	170	100 U	186	48	100 U	103	100 U	100 U
Antimony	3 [2]	60	10 U	10 U	50 U	25 J	26 J	50 U	17 J	12 J	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J	5 U
Barium	1000	200	50 J	66 J	41	52	51	53	59	53	55	60	48	59	48	52
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U
Calcium		5000	62000	59000	50000	54000	56000	53000	58000	55100	56700	52500	56900	58400	55600	60600
Chromium	50	10	6.2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	5.3 J	6.4 J	4 J	3 J	4 J	3 J	5 J	3 J	5 J	4 J	4 J	5 J	3 J	5 J
Iron	300 [3]	100	**340**	130	20	20	220	50 U	220	11 J	231	99	24 J	191	43 J	73
Lead	25	3	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	92000	82000	80000	80000	85000	74000	78000	81000	82600	79900	82200	83600	88000	88300
Manganese	300 [3]	15	7.1 J	14	10 U	4 J	8 J	10 U	12	10 U	8 J	9 J	10 U	10 J	3 J	7 J
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	2.7 J	3 J	25 U	25 U	25 U	25 U	4 J	25 U	25 U	2 J	25 U	25 U	25 U	25 U
Potassium		5000	5000	4900	3500	3700	4200	3700	3500	3840	3720	4550	3620	4010	4340	4030
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**33000**	**31000**	**28000**	**30000**	**32000**	**33000**	**37000**	**31500**	**35500**	**35400**	**32400**	**35900**	**34000**	**32600**
Thallium	0.5 [2]	10	10 J	20 J	20 U	20 U	20 U	20 U	20 U	20 U	20 U	4 J	20 U	20 U	20 U	3 J
Vanadium		50	10 U	10 U	10 U	1 J	10 U	10 U	1 J	10 J	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	20 U	5 J	50 U	50 U	50 U	50 U	50 U	3 J	3 J	50 J	50 U	2 J	50 U	4 J
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

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Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-8D 6/20/2007 ug/L	MW-8D 11/14/2007 ug/L	MW-8D 5/21/2008 ug/L	MW-8D 12/2/2008 ug/L	MW-8D 4/29/2009 ug/L	MW-8D 12/15/2009 ug/L	MW-8D 4/8/2010 ug/L	MW-8D 12/15/2010 ug/L	MW-8D 6/30/2011 ug/L	MW-8D 12/13/2011 ug/L	MW-8D 6/12/2012 ug/L	MW-8D 12/12/2012 ug/L
Analyte														
Aluminum		200	730	220	1400	2100	100 U	100 U	1200	100 U	200	140	1000	510
Antimony	3 [2]	60	12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	**140**	10 U	10 U	10 U	10 U	10 U	10 U	5.4 J	4.1 J	8 J	8.6 J
Barium	1000	200	200 U	200 U	200 U	370	200 U	100 U	100 U	100 U	130	40 J	52 J	53 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.22 J	0.2 J
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.5 J
Calcium		5000	78000	60000	60000	270000	56000	58000	86000	65000	93000	74000	82000	74000
Chromium	50	10	10 U	10 U	10 U	37	10 U	10 U	10 U	10 U	12	5.5 J	7.8 J	8 J
Cobalt		50	10 U	10 U	10 U	15	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7 J
Copper	200	25	10 U	10 U	13	48	10 U	10 U	10 U	10 U	6 J	10 U	10 U	10 U
Iron	300 [3]	100	**1100**	250	**2600**	**3500**	50 U	85	**1700**	200	**320**	160	**910**	**720**
Lead	25	3	10 U	10 U	**30**	15	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	150000	130000	120000	210000	81000	140000	170000	150000	150000	160000	180000	160000
Manganese	300 [3]	15	**53**	13	**70**	**980**	10 U	10 U	**66**	11	110	16	**34**	**38**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	46	10 U	10 U	10 U	10 U	4.6 J	10 U	2 J	2.1 J
Potassium		5000	20000	18000	19000	24000	5100	16000	1800	16000 JH	22000	16000	18000	23000
Selenium	10	5	10 U	10 U	10 U	***97**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**63000**	**59000**	**47000**	**53000**	**34000**	**50000**	**55000**	**51000**	**52000**	**51000**	**53000**	**50000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	11 J	20 U
Vanadium		50	10 U	10 U	10 U	33	10 U	10 U	10 U	10 U	4.2 J	10 U	10 U	10 U
Zinc	2000	20	11	10 U	32	11	10 U	20 U	20 U	20 U	29	20 U	9.7 J	6 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

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Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-8D 6/7/2013 ug/L	MW-8D 10/31/2013 ug/L	MW-8D 6/19/2014 ug/L	MW-8D 12/4/2014 ug/L	MW-8D 5/29/2015 ug/L	MW-8D 11/10/2015 ug/L	MW-8D 5/12/2016 ug/L	MW-8D 12/7/2016 ug/L	MW-8D 4/6/2017 ug/L	MW-8D 12/6/2017 ug/L	MW-8D 4/24/2018 ug/L	MW-8D 12/11/2018 ug/L	MW-8D 4/16/2019 ug/L	MW-8D 12/12/2019 ug/L
Analyte																
Aluminum		200	250	480	150	320	260	140	790	1070	3070	101	812	389	162	65 J
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	10 J	50 U	15 J	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	7 J	4.8 J	5 U	8	5 U	6	9	6	7	8	8	8	10	7
Barium	1000	200	43 J	48 J	6 J	45	32	32	52	42	78	35	40	39	36	32
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	74000	66000	500000	66000	54000	60000	78000	71000	98600	63500	76000	78800	70400	76200
Chromium	50	10	4.7 J	4.1 J	10 J	10 U	10 U	10 U	2 J	3 J	6 J	10 J	10 U	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	2 J	20 J	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	5 J	3 J	10 J	10 U	4 J	10 U	9.8 J	10 J	3 J	3 J	10 U	10 U
Iron	300 [3]	100	270	**600**	**1300**	**640**	290	**360**	**1300**	**1580**	**4930**	215	**1120**	**728**	255	117
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	160000	140000	120000	140000	140000	130000	150000	147000	160000	150000	154000	161000	145000	153000
Manganese	300 [3]	15	22	**30**	**25**	**31**	16	20	**60**	**54**	**163**	24	**52**	**53**	31	26
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	2.8 J	25 U	25 U	25 U	25 U	25 U	25 U	6 J	25 U	3 J	25 U	25 U	25 U
Potassium		5000	17000	17000	7300	14000	15000	12000	13000	11800	12000	12000	11800	11800	12700	11000
Selenium	10	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**53000**	**50000**	**160000**	**52000**	**50000**	**48000**	**52000**	**49200**	**50700**	**50900**	**54000**	**52400**	**56400**	**50300**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	3 J
Vanadium		50	10 U	10 U	10 U	1 J	10 J	10 U	2 J	2 J	5 J	10 J	10 U	10 U	10 U	10 U
Zinc	2000	20	20 U	5.9 J	50 U	50 U	50 U	50 U	50 U	6 J	16 J	2 J	3 J	4 J	3 J	2 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B	B

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ug/l = micrograms per liter

NOTES:

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Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-8R 6/20/2007 ug/L	MW-8R 11/14/2007 ug/L	MW-8R 5/20/2008 ug/L	MW-8R 12/2/2008 ug/L	MW-8R 4/29/2009 ug/L	MW-8R 12/14/2009 ug/L	MW-8R 4/8/2010 ug/L	MW-8R 12/15/2010 ug/L	MW-8R 6/29/2011 ug/L	MW-8R 12/13/2011 ug/L	MW-8R 6/12/2012 ug/L	MW-8R 12/12/2012 ug/L
Analyte														
Aluminum		200	10 U	340	100 U	1500	100 U	100 U	240	160	160	100 U	61 J	200
Antimony	3 [2]	60	**16**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	**46**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	17 J	15 J	20 J	20 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.23 J	0.3 J
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.2 J
Calcium		5000	520000	580000	510000	590000	530000	540000	600000	550000	550000	570000	600000	560000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5.7 J	7.3 J
Cobalt		50	11	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7.8 J	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	27	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	**1200**	**1600**	**1200**	**3700**	**1300**	**1300**	**1700**	**1600**	**1500**	**1300**	**1600**	**1400**
Lead	25	3	10 U	10 U	10 U	14	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	130000	120000	120000	140000	120000	120000	140000	120000	130000	130000	140000	130000
Manganese	300 [3]	15	**22**	**32**	**20**	**97**	**35**	**17**	**24**	**24**	**25**	**20**	**23**	**26**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	15	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Potassium		5000	10000	9500	8700	9400	8100	8200	9700	7400 JH	11000	7800	9100	8500
Selenium	10	5	10 U	10 U	10 U	***220**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**180000**	**150000**	**160000**	**180000**	**180000**	**160000**	**180000**	**140000**	**160000**	**160000**	**160000**	**160000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	**110**	10 U	**26**	20 U	20 U	20 U	20 U	12 J	20 J
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	100	22	20 U	20 U	20 U	5.4	4.8 J	5.7 J	6.2 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

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Monitoring Years 2007-2019

Sample ID **Sample Date** **Units**	NYSDEC Class GA Standard (ug/L)	CRDL [1] (ug/L)	MW-8R 6/7/2013 ug/L	MW-8R 10/31/2013 ug/L	MW-8R 6/19/2014 ug/L	MW-8R 12/4/2014 ug/L	MW-8R 5/28/2015 ug/L	MW-8R 11/10/2015 ug/L	MW-8R 5/11/2016 ug/L	MW-8R 12/7/2016 ug/L	MW-8R 4/5/2017 ug/L	MW-8R 12/5/2017 ug/L	MW-8R 4/23/2018 ug/L	MW-8R 12/10/2018 ug/L	MW-8R 4/16/2019 ug/L	MW-8R 12/12/2019 ug/L
Analyte																
Aluminum		200	75 J	240	150	150	270	100 U	80 J	1050	58 J	216	70 J	69 J	158	355
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	26 J	50 U	11 J	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	5 U	5 U	5 U	2 J	3 J	5 U	3 J	3 J	2 J	6	5 U
Barium	1000	200	17 J	18 J	6 J	7 J	9 J	6 J	7 J	13	7 J	9 J	7 J	7 J	7 J	8 J
Beryllium	3 [2]	5	10 U	0.2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	550000	540000	500000	490000	510000	460000	540000	524000	514000	493000	547000	548000	517000	537000
Chromium	50	10	10 U	5.4 J	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	5 J	3 J	3 J	4 J	3 J	3 J	10 U	3 J	4 J	2 J	10 J	2 J
Iron	300 [3]	100	**1300**	**1500**	**1300**	**1300**	**1500**	**1100**	**1100**	**2970**	**1180**	**1490**	**1240**	**1280**	**1340**	**1450**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 J	10 U
Magnesium	35000 [2]	5000	130000	130000	120000	110000	120000	100000	110000	129000	115000	120000	117000	127000	115000	114000
Manganese	300 [3]	15	**19**	**27**	**25**	**26**	**38**	**17**	**19**	**67**	**18**	**37**	**23**	**23**	**26**	**33**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	25 U	25 U	25 U	25 U	25 U	3 J	25 U	25 U	25 U	25 U	25 U	25 U
Potassium		5000	8700	9300	7300	6900	7800	7000	7000	7420	7150	7850	6990	8300	8640	7430
Selenium	10	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**170000**	**170000**	**160000**	**150000**	**160000**	**150000**	**160000**	**160000**	**162000**	**163000**	**165000**	**172000**	**180000**	**158000**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	2 J	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium		50	10 U	10 U	10 U	1 J	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	20 U	6 J	50 U	50 U	50 U	50 U	50 U	8 J	50 U	6 J	50 U	3 J	3 J	4 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B	B

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* = The result of a calibration blank associated with this analysis was greater than the established control limit.

= Concentration is greater than GA Stan

ug/l = micrograms per liter

NOTES:

(1) The CRDL shown is the Contract Required Detection Limit per ASP.

(2) The value shown is a guidance value.

(3) The sum of iron and manganese shall be less than 500 ug/l.

SP - Submersible Pump with Dedicated Tubing

PP - Peristaltic Pump with Dedicated Tubing

B - Bailer (Either Dedicated or Disposable)

Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID	NYSDEC		LEACHATE COLLECTION MANHOLE											
Sample Date	Class GA Standard	CRDL [1]	6/21/2007	11/14/2007	5/21/2008	12/2/2008	4/29/2009	12/15/2009	4/8/2010	12/16/2010	6/30/2011	12/13/2011	6/28/2012	12/12/2012
Units	(ug/L)	(ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte														
Aluminum		200	640	6600	1800	2100	690	5200	1300	3200	14000	410	8900	18000
Antimony	3 [2]	60	10 U	21	10 U	10 U	10 U	10 U	10 U	12	39	4.2 J	21	20
Arsenic	25	10	10 U	**79**	10 U	10 U	10 U	18	10 U	**38**	**150**	4.5 J	**74**	**110**
Barium	1000	200	200 U	610	200 U	210	200 U	780	140	290	**1100**	95 J	510	840
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.4 J	10 U	1.2 J	1.3 J
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**10** J	10 U	**6.4** J	**12**
Calcium		5000	70000	120000	76000	13000	60000	180000	82000	110000	260000	67000	170000	220000
Chromium	50	10	10 U	10 U	10 U	13	10 U	10 U	10 U	14	**53**	4 J	29	44
Cobalt		50	10 U	16	10 U	10 U	10 U	17	10 U	13	46	10 U	21	38
Copper	200	25	58	**1100**	120	**230**	61	**1300**	99	**350**	**2200**	36	**860**	**1800**
Iron	300 [3]	100	**8800**	**190000**	160	**3800**	**8700**	**75000**	**1800**	**74000**	**400000**	**6100**	**160000**	**290000**
Lead	25	3	12	**2300**	**49**	**70**	**25**	**340**	**35**	**110**	**670**	11	**290**	**610**
Magnesium	35000 [2]	5000	1600	13000	602000	6000	16000	15000	39000	22000	79000	39000	60000	42000
Manganese	300 [3]	15	**120**	**1300**	220	**580**	**150**	**1900**	**22**	**870**	**3100**	**200**	**1400**	**2700**
Mercury	0.7	0.2	0.2 U	**3.6**	0.6	0.6	0.2 U	**6.7**	0.31	**1.1**	**5.2**	0.2 U	**2.3**	**3.7**
Nickel	100	40	10 U	120	19	47	10 U	**130**	16	54	**230**	9.8 J	**120**	**280**
Potassium		5000	150000	120000	120000	120000	110000	67000	73000	65000 JH	53000	43000	82000	92000
Selenium	10	5	10 U	10 U	10 U	**31**	**15**	10 U	10 U	10 U	**18** J	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**49000**	**43000**	**32000**	**34000**	**48000**	**29000**	**46000**	**33000**	**38000**	**29000**	**38000**	**31000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	14 J	20 J
Vanadium		50	16	100	16	35	10 U	27	15	66	250	6.9 J	100	180
Zinc	2000	20	58	860	300	420	75	**4800**	220	490	**3100**	68	880	**2600**
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

CONCENTRATION QUALIFIERS:

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NOTES:

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SP - Submersible Pump with Dedicated Tubing
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Table 2
Analyitical Summary of Post-Closure GW Monitoring
Goulds Pumps, Inc.
Monitoring Years 2007-2019

Sample ID	NYSDEC		LEACHATE COLLECTION MANHOLE													
Sample Date	Class GA Standard	CRDL [1]	6/7/2013	10/31/2013	6/19/2014	12/4/2014	5/28/2015	11/10/2015	5/11/2016	12/7/2016	4/5/2017	12/5/2017	4/23/2018	12/10/2018	4/16/2019	12/12/2019
Units	(ug/L)	(ug/L)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte																
Aluminum		200	6000	4200	540	1100	30000	11000	8600	35800	1680	885	916	478	2440	12900
Antimony	3 [2]	60	11	13	50 U	50 U	50 U	20 J	14 J	50 U	50 U	50 U	7 J	50 U	12 J	21 J
Arsenic	25	10	**34**	23	5	9	9	**35**	**43**	5 U	8	8	11	4 J	19	12
Barium	1000	200	320	270	107	133	**2380**	646	361	**1710**	117	109	106	97	189	932
Beryllium	3 [2]	5	0.54 J	0.37 J	5 U	5 U	2 J	5 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	3.1 J	3.6 J	5 U	5 U	5 U	5 U	5 U	**8**	5 U	5 U	1 J	5 U	1 J	8
Calcium		5000	120000	130000	88000	82000	590000	200000	140000	544000	83300	74600	75100	72900	125000	295000
Chromium	50	10	20	14	2.1 J	3.7 J	**80**	30	20	**72**	4 J	4 J	10 U	2 J	7 J	**65**
Cobalt		50	14	9.8 J	20 U	20 U	65	19 J	13 J	55	2 J	2 J	2 J	2 J	5 J	33
Copper	200	25	**510**	**270**	47	97	**5990**	**1390**	**627**	**3790**	79	73	103	46	**243**	**1810**
Iron	300 [3]	100	**84000**	**47000**	**4800**	**10000**	**400**	**200000**	**86000**	**360000**	**12800**	**9700**	**19100**	**4080**	**31800**	**212000**
Lead	25	3	**180**	**110**	19	**44**	**1270**	**355**	**201**	**951**	**32**	**29**	**30**	16	**93**	**534**
Magnesium	35000 [2]	5000	29000	20000	43000	25000	81000	43000	33000	38000	14200	7860	45700	25800	67600	51600
Manganese	300 [3]	15	**790**	**810**	**143**	**293**	**6450**	**1660**	**888**	**4850**	**178**	**185**	**197**	**184**	**512**	**2750**
Mercury	0.7	0.2	**1.1**	0.67	0.1 J	0.29	**15**	**1.72**	**1.34**	0.57	0.22	0.2 U	0.2 U	0.2 U	**0.8**	**3.37**
Nickel	100	40	69	47	9 J	16 J	**488**	**142**	**77**	**378**	13 J	14 J	16 J	8 J	37	198
Potassium		5000	110000	93000	55000	67000	28000	32000	44000	69800	72800	83200	37800	53200	32200	38600
Selenium	10	5	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	8 J
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**56000**	**39000**	**33000**	**31000**	**26000**	**23000**	**29000**	**31600**	**31400**	**33000**	**37000**	**31500**	**35000**	**29300**
Thallium	0.5 [2]	10	11 J	20 U	20 U	20 U	20 U	20 U	20 U	**3** J	20 U	20 U	20 U	20 U	20 U	6 J
Vanadium		50	54 J	40	8 J	14	134	111	60	116	11	11	17	8 J	31	170
Zinc	2000	20	510	310	53	107	**3940**	1100	699	**3370**	115	78	103	57	228	1670
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B	B

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B - Bailer (Either Dedicated or Disposable)

TABLE 3
POST-CLOSURE GROUNDWATER MONITORING
PURGE LOGS
GOULDS PUMPS, INC.
December 2019

Date	Time	BOW	DTW	Cum. Vol. Purged (gal)	Temp. (^{0}C)	pH (s.u.)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Purging/ Sampling Method
MW-1S										
12/12/2019	1113	NM	NM	0.0	10.86	7.52	0.952	0.0	3.41	PP
12/12/2019	1116	NM	NM	1.0	8.91	8.22	0.997	0.0	4.47	PP
12/12/2019	1119	NM	NM	2.0	9.18	8.51	0.992	0.0	4.21	PP
12/12/2019	1127	NM	NM	3.0	9.91	8.69	0.958	0.0	3.19	PP
12/12/2019	1131	NM	NM	4.0	10.02	8.75	0.951	0.0	1.98	PP
12/12/2019	1135	NM	NM	5.0	10.07	8.77	0.950	0.0	2.04	PP
12/12/2019	1136	Collect sample **MW-1S** for TAL Metals.								
MW-2S										
12/12/2019	1254	NM	NM	0.0	16.60	8.04	0.727	0.0	1.85	PP
12/12/2019	1258	NM	NM	0.5	15.75	8.08	0.751	0.0	1.61	PP
12/12/2019	1300	NM	NM	1.0	15.07	8.19	0.775	0.7	1.25	PP
12/12/2019	1304	NM	NM	1.5	14.81	8.20	0.724	0.0	1.40	PP
12/12/2019	1308	NM	NM	2.0	14.11	8.21	0.695	0.0	1.45	PP
12/12/2019	1314	NM	NM	2.5	14.00	8.21	0.689	0.0	1.43	PP
12/12/2019	1315	Collect sample **MW-2S** for TAL Metals.								

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MW-2D										
12/11/2019	1502	NM	NM	0	6.98	9.24	1.12	25	8.94	B
12/11/2019	1505	NM	NM	1	8.70	8.95	1.05	13.4	4.57	B
12/11/2019	1507	NM	NM	2	8.49	8.55	1.05	59.0	4.66	B
12/11/2019	1509	NM	NM	3	8.74	8.73	1.05	48.5	4.50	B
12/11/2019	1512	NM	NM	4	9.41	8.60	1.04	80.2	4.62	B
12/11/2019	1514	Bailed well dry.								
12/12/2019	1253	NM	NM	0	13.99	8.51	1.01	0.7	2.89	B
12/12/2019	1253	Collect sample **MW-2D** for TAL Metals.								
MW-2R										
12/12/2019	1322	81.92	24.19	0.0	10.24	12.45	1.01	23.0	1.94	B
12/12/2019	1327	NM	NM	4.8	10.10	10.25	1.53	26.2	8.65	B
12/12/2019	1331	NM	NM	9.6	10.05	10.32	1.56	25.1	1.74	B
12/12/2019	1334	NM	NM	14.4	10.04	10.30	1.56	16.4	1.69	B
12/12/2019	1338	NM	NM	19.2	10.07	10.28	1.55	18.5	1.68	B
12/12/2019	1342	NM	NM	23.0	10.06	10.30	1.56	18.5	1.81	B
12/12/2019	1447	NM	NM	27.6	10.05	10.29	1.56	21.1	1.75	B
12/12/2019	1448	Collect sample **MW-2R** for TAL Metals.								

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PURGE LOGS
GOULDS PUMPS, INC.
December 2019

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MW-4S										
12/11/2019	1416	NM	NM	0.0	8.91	7.94	1.23	5.7	3.33	PP
12/11/2019	1419	NM	NM	0.5	8.23	7.73	1.20	8.9	3.21	PP
12/11/2019	1421	NM	NM	1.0	9.23	7.73	1.20	2.0	3.31	PP
12/11/2019	1421	NM	NM	1.5	9.09	7.66	1.24	1.8	3.18	PP
12/11/2019	1427	NM	NM	2.0	9.00	7.63	1.27	1.1	3.24	PP
12/11/2019	1430	NM	NM	2.5	9.14	7.59	1.22	0.0	3.48	PP
12/11/2019	1432	Collect sample **MW-4S** for TAL Metals.								
MW-4D										
12/11/2019	1350	NM	NM	0.0	9.39	7.90	2.60	24.6	2.95	B
12/11/2019	1425	NM	NM	2.5	9.45	7.65	2.54	81.5	2.89	B
12/11/2019	1436	NM	NM	5.0	9.08	7.87	2.58	360	2.78	B
12/11/2019	1442	NM	NM	7.0	9.15	8.07	3.08	431	2.81	B
12/11/2019	1445	Bailed well dry.								
12/12/2019	1150	NM	NM	0.0	10.01	7.75	2.41	21.8	2.51	B
12/12/2019	1150	Collect sample **MW-4D** for TAL Metals.								

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PURGE LOGS
GOULDS PUMPS, INC.
December 2019

Date	Time	BOW	DTW	Cum. Vol. Purged (gal)	Temp. (^{0}C)	pH (s.u.)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Purging/ Sampling Method
MW-5S										
12/12/2019	829	18.26	4.63	0	13.24	5.99	4.78	5.2	3.73	PP
12/12/2019	832	NM	NM	1	13.01	5.90	4.93	12.2	3.40	PP
12/12/2019	841	NM	NM	2	13.04	6.17	4.94	0	4.87	PP
12/12/2019	852	NM	NM	3	11.09	6.31	5.04	0.0	4.83	PP
12/12/2019	907	NM	NM	4	10.32	6.80	5.35	2.6	3.43	PP
12/12/2019	921	NM	NM	5	10.34	7.28	5.19	2.3	3.48	PP
12/12/2019	923	Collect sample **MW-5S** for TAL Metals.								
MW-5D										
12/12/2019	1010	NM	NM	0	11.85	8.12	3.23	105	7.71	PP
12/12/2019	1021	NM	NM	1.0	13.44	8.04	3.3	145	7.75	PP
12/12/2019	1024	NM	NM	2.0	13.44	7.93	3.28	98.4	3.68	PP
12/12/2019	1026	NM	NM	3.0	13.46	7.87	3.27	48.5	3.57	PP
12/12/2019	1028	Collect sample **MW-5D** for TAL Metals.								
MW-5R										
12/12/2019	833	81.22	15.86	0	13.13	6.44	4.22	148	7.71	B
12/12/2019	854	NM	NM	5.5	11.43	6.56	4.08	37	11.74	B
12/12/2019	917	NM	NM	11	10.05	7.36	3.65	28	5.09	B
12/12/2019	935	NM	NM	16.5	10.99	7.73	2.98	46	5.40	B
12/12/2019	945	NM	NM	22	10.90	7.93	2.98	61	3.62	B
12/12/2019	954	NM	NM	27.5	10.85	8.18	2.84	31	3.91	B
12/12/2019	958	NM	NM	33	11.09	8.13	2.79	48	3.82	B
12/12/2019	1000	Collect sample **MW-5R** for TAL Metals.								

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PURGE LOGS
GOULDS PUMPS, INC.
December 2019

Date	Time	BOW	DTW	Cum. Vol. Purged (gal)	Temp. (^{0}C)	pH (s.u.)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Purging/ Sampling Method
MW-7S										
12/12/2019	1042	17.40	4.21	0	10.58	9.88	0.643	19.4	2.77	PP
12/12/2019	1045	NM	NM	0.5	10.76	10.44	0.571	0	1.64	PP
12/12/2019	1049	NM	NM	1.0	10.73	10.48	0.585	0	1.49	PP
12/12/2019	1051	NM	NM	1.5	10.68	10.53	0.591	0	1.60	PP
12/12/2019	1055	NM	NM	2.0	10.79	10.53	0.603	0	1.58	PP
12/12/2019	1056	Collect sample **MW-7S** for TAL Metals.								
MW-8S										
12/11/2019	1314	27.94	8.54	0	9.55	8.82	0.925	31.0	12.12	PP
12/11/2019	1318	NM	NM	0.5	9.46	8.79	0.918	25.7	11.57	PP
12/11/2019	1320	NM	NM	1.0	9.58	8.81	0.933	38.9	11.91	PP
12/11/2019	1327	NM	NM	1.5	9.36	8.83	0.890	29.0	7.07	PP
12/11/2019	1330	NM	NM	2.0	9.70	8.66	0.899	2.4	5.47	PP
12/11/2019	1335	NM	NM	2.5	9.55	8.65	0.895	0.0	4.51	PP
12/11/2019	1339	Collect sample **MW-8S** for TAL Metals.								
MW-8D										
12/11/2019	1316	41.00	21.23	0	8.91	8.71	1.17	584.0	5.76	B
12/11/2019	1320	NM	NM	1.5	9.54	8.88	1.11	228	3.00	B
12/11/2019	1325	NM	NM	3.0	9.55	8.94	1.17	>1000	2.97	B
12/11/2019	1328	Bailed well dry.								
12/12/2019	1455	NM	NM	0	9.57	8.91	1.32	29.5	1.97	B
12/12/2019	1455	Collect sample **MW-8D** for TAL Metals.								

TABLE 3
POST-CLOSURE GROUNDWATER MONITORING
PURGE LOGS
GOULDS PUMPS, INC.
December 2019

Date	Time	BOW	DTW	Cum. Vol. Purged (gal)	Temp. (^{0}C)	pH (s.u.)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Purging/ Sampling Method
MW-8R										
12/12/2019	1505	78.69	15.68	0	9.85	8.94	2.55	23.6	2.36	B
12/12/2019	1510	NM	NM	5	9.79	8.68	3.19	2.0	2.87	B
12/12/2019	1520	NM	NM	10.5	9.70	8.87	3.27	8	2.35	B
12/12/2019	1528	NM	NM	15.5	9.73	8.90	3.29	2.6	2.18	B
12/12/2019	1535	NM	NM	21	9.68	8.79	3.20	12.1	2.01	B
12/12/2019	1540	NM	NM	26.5	9.74	8.80	3.22	12.5	2.11	B
12/12/2019	1544	NM	NM	31.5	9.33	8.68	3.25	8.1	2.98	B
12/12/2019	1546	Collect sample **MW-8R** for TAL Metals.								

Notes:

BOW = Bottom of Well, feet below top of PVC well riser pipe.
DTW = Depth to Water, feet below top of PVC well riser pipe.
Cum. Vol. = Cumulative volume purged from well.
B =Dedicated Bailer.
PP =Peristaltic Pump.
EM =Equipment Malfunction.
NM =Not Measured
NA =Not Applicable
* Turbidity measured/recorded **after** sample collection using bailer; turbidity of sample aliquot may be significantly lower than that measured/recorded.

TABLE 4
Outfall 003 Monitoring Results for 2019
Goulds Pumps, Inc.

Parameter	SPDES Permit Limit	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Temperature (Fahrenheit)	90	38	34	35	39.0	52.0	62.0	73.0	68.0	65.0	50.0	40.0	36.0
Flow Rate (gpd) - Maximum	Monitor	NM	804,003	531,360	340,200	766,759	708,480	2,514	NM	NM	1,740,960	447,750	1,359,815
Flow Rate (gpd) - Average	Monitor	NM	50,460	58,716	59,842	119,370	71,114	1,779	NM	NM	169,305	66,381	221,060
pH (SU)	6.5 - 8.5	7.7	7.7	7.3	7.8	8.1	8.0	8.1	8.1	7.7	7.7	8.1	7.7
Total Suspended Solids (mg/l)	50	14	4.2	5.1	1.8	1.1	12	5.2	2.5	8	7.7	9.2	9.4
Settleable Solids (ml/l)	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Oil and Grease (mg/l)	15	<4	<4.4	<4	<4	<4	<4	<4	<4	<4	<4	9.2	<4.0
Total Iron (mg/l)	2.5	1.3	0.8	1.3	0.38	0.45	0.99	0.45	0.3	0.43	0.55	1.2	1.1
Total Chlorine (mg/l)	0.5	NODI9	NODI9	NODI9	NODI9	NODI9	NODI9	NODI9	NODI9	NODI9	NODI9	NODI9	NODI9
Manganese (Semi-Annual)	1.5	NA	NA	0.03	NA	NA	NA	NA	NA	0.06	NA	NA	NA

Notes:
NM - Not measured
NA - Not applicable. This parameter was not monitored during the specified month.
NODI9 - No discharge of this parameter during the monitoring period. Goulds stopped testing for this parameter because the facility no longer uses ENTEC 367.
a - Exceeds permit limit - Likely attributable to low flow conditions at the time of sample collection.

ATTACHMENT

Goulds Pumps, Inc.
Post-Closure Quarterly Inspection Form
Date of Inspection: December 11 2019

Weather Conditions: Overcast
Temperature: 33º F
Wind Direction: W, NW

On-site Personnel: D. Gibson

Inspection Checklist - Site Features

Landfill Component	Acceptable	Not Acceptable	Comments
Cap System:			
General condition [1]	X		
Vegetative cover [2]	X		On cap vegetation mowed to an acceptable length.
Surface Water Drainage System:			
General condition of swales [3]	X		Acceptable level of water in swales.
Vegetative cover [2]	X		
Culvert beneath railroad tracks [4]	X		Clear of debris
Access Roadway:			
General condition	X		
Access control gate	X		
General condition	X		
Operation/lock/chain	X		Lock and chain has been placed across access road by Goulds to prevent unauthorized access to the landfill.
Culvert [4]	X		
Access Control Fencing and Gate:			
General condition/alignment	X		Fence is in good condition.
Operation/lock/chain	X		
Adjacent Areas:			
General condition [1]	X		
Vegetative cover [2]	X		
Surface drainage [3]	X		Surface drainage appears satisfactory

Notes:

(1) Note areas of erosion, settlement, leachate breakthrough, and animal burrowing. Show on site sketch.
(2) Note bare areas and areas of unwanted intrusive vegetation. Show on site sketch.
(3) Note areas of ponding, erosion, sedimentation, and discoloration. Show on site sketch.
(4) Note damage, ponding, and erosion. Sketch if necessary.


N

Additional Sketches and Comments

Comments: None.

Comments: None.

Goulds Pumps, Inc.
Post-Closure Quarterly Inspection Form
Date of Inspection: December 11 2019

Inspection Checklist - Monitoring Features

Monitoring Wells:	MW-1S	MW-2S	MW-2D	MW-2R	MW-4S	MW-4D	MW-5S	MW-5D	MW-5R	MW-7S(*)	MW-8S	MW-8D	MW-8R
General condition/alignment [1]	A	A	A	A	A	A	A	A	A	A	A	A	A
Lock/Cap [1]	A	A	A	A	A	A	A	A	A	A	A	A	A
Depth to water (ft)	2.94	3.50	4.82	23.92	3.46	10.06	4.51	11.56	16.04	4.10	8.56	21.23	15.58
Time reading taken	1013	1010	1009	1008	1056	1057	954	956	952	930	1044	1045	1046
Piezometers:	P-1	P-2	P-4[3]	P-5[3]	P-6	P-7	P-8	P-9	P-10	P-11	P-12	P-13	
General condition/alignment [1]	A	A	-	-	A	A	A	A	A	A	A	A[5]	
Lock/Cap [1]	A[4,5]	A	-	-	A	A	A	A	A	A	A	A	
Condition of boot/strapping [1]	A	A	-	-	A	A	A	A	A	A	A	A	
Depth to water (ft)	13.92	DRY	-	-	8.11	7.73	DRY	DRY	29.73	DRY	DRY	3.99	
Time reading taken	1104	1059	-	-	1042	1049	1025	1106	1108	1117	1620	1051	
							(2)						
Leachate Collection Manhole:	MH												
General condition [1]	A												
Cover [1]	A												
Condition of boot/strapping [1]	A												
Depth to water (ft)	15.90												
Time reading taken	1125												
Gas Vents:	GV-1	GV-2	GV-3	GV-4	GV-5	GV-6	GV-7	GV-8	GV-9	GV-10	GV-11		
General condition/alignment [1]	A	A	A	A	A	A	A	A	A	A	A		
Condition of boot/strapping [1]	A	A	A	A	A	A	A	A	A	A	A		
Explosive gas reading (%LEL)	0	0	0	0	0	0	0	0	0	0	0		
Time reading taken	1131	1132	1133	1135	1136	1137	1139	1140	1144	1144	1142		
Perimeter Monitoring of Gases:	UW-1	DW-1	DW-2										
Explosive gas reading (%LEL)	0	0	0										
Time reading taken	1010	931	1046										

Note (1): Respond to question as either Acceptable (A) or Not Acceptable (NA) for each respective location.

(2): Frost heave has elevated concrete collar. Not a sampling point so acceptable.

(3): P-4 and P-5 were decommissioned.

(4): Cap hinge broken

(5): PVC procasing damaged, needs repair

(*): In locked fence area

APPENDIX A

Institutional and Engineering Controls Certification Form

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. **850002**

Site Name Gould Pumps Engineered Products Division

Site Address: 240 Fall Street Zip Code: 13148
City/Town: Seneca Falls
County: Seneca
Site Acreage: 10.7

Reporting Period: December 31, 2018 to December 31, 2019

	YES	NO
1. Is the information above correct?	☒	☐
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?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
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?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Closed Landfill	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

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

SITE NO. 850002 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
09-1-04.11	Gould Pumps Engineered Products Division	Ground Water Use Restriction Monitoring Plan Landuse Restriction Site Management Plan O&M Plan

Surface water at the Site is controlled by a perimeter drainage swale. There are 2 separate swales located outside the limits of the landfill cap - eastern and western. The swales drain to the southern end of the cap and discharge into a culvert which ultimately discharges to the Seneca Canal. This discharge location is known as Outfall 003 and is monitored under the conditions of a SPDES permit.

A landfill cap was installed at the site. The geomembrane cap extends over the entire waste mass and is anchored into the exisiting clays to cutoff the entry of shallow groundwater into the waste and prevents the percolation of rain water or snow melt into the waste. Eight in-waste piezometers are used to monitor the water levels in the waste mass. A 4 foot diameter concrete manhole with a perforeate base section that extends through the waste mass to the underlying native till is located in the southern end of the landfill. The manhole is used to monitor water levels in the waste. If sufficient leachate is collected the leachate is pumped out and disposed at a permitted treatment/disposal facility.

A 6 inch gas collection layer was placed as a component of the cap system to convey and waste derived gases to one of the 11 site gas vents.

The site access is controlled by the perimeter swale and the gated access roadway. Access to the facility is control by chain link fencing and gates. No trespassing signs are posted at the site and 24 hr per day video surveillance equipment is used by security staff to monitor the site.

Box 4

Description of Engineering Controls

Parcel	Engineering Control	
09-1-04.11	Fencing/Access Control Cover System Leachate Collection Subsurface Barriers	Surface Drainage System Landfill Gas Collection System Groundwater Monitoring Network

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
☒	☐

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
☒	☐

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. 850002

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

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

am certifying as Remedial Party (Owner or Remedial Party)

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

Jeff Stanek 2/26/2020
Signature of Owner, Remedial Party, or Designated Representative Date
Rendering Certification

IC/EC CERTIFICATIONS

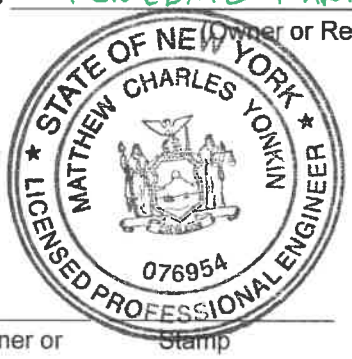
Box 7

Professional Engineer Signature

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

I MATTHEW YONKIN at 855 ROUTE 146, STE 210, CLIFTON PARK, NY 12065
print name print business address

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



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

Stamp (Required for PE)

2/28/2020
Date

APPENDIX B

Quarterly Reports

Arcadis of New York, Inc.
855 Route 146
Suite 210
Clifton Park
New York 12065
Tel 518 250 7300
Fax 518 250 7301
www.arcadis.com

Ms. Charlotte Theobald
New York State Department of Environmental Conservation – Region 8
6274 East Avon-Lima Road
Avon, New York 14414

Water

Subject: Second Quarter 2019 Post-Closure Monitoring and Maintenance Event
Goulds Pumps, Inc.
Site No. 850002 – Class 3 Closed Landfill
Seneca Falls, NY 13148

Date:
September 20, 2019

Contact:
Elias J. Moskal

Phone:
518.250.7333

Our ref:
01257117.2019

Dear Ms. Theobald:

On April 15 and 16, 2019, Arcadis personnel conducted the second quarter (2Q) 2019 Quarterly, Post-Closure Monitoring and Maintenance Event for the closed landfill adjacent to the ITT Goulds Pumps, Inc. (Goulds Pumps) facility located at 240 Fall Street, Seneca Falls, NY.

The New York State Department of Environmental Conservation (NYSDEC) approved Post-Closure Monitoring and Maintenance Plan (PCMMP) calls for the closed landfill to be inspected on a quarterly basis, as well as following significant storm events greater than 3.2 inches of rainfall in a 24-hour period. Additionally, groundwater sampling is to occur semi-annually. In 2010, the NYSDEC approved a modification request to eliminate the first quarter PCMMP monitoring and maintenance events. Beginning in 2011, PCMMP monitoring and maintenance events have been conducted in second, third and fourth quarters only.

The second quarter 2019 inspection checklists completed during the monitoring and maintenance event are included in Attachment 1. The closed landfill continues to function as designed. The results of the 2Q 2019 monitoring and maintenance event are summarized in this letter report.

CAP SYSTEM

The cap system on the closed landfill is in good condition and continues to function as designed. The on-cap vegetation is well established, well maintained and consistent with historical observations, no standing water was observed. In accordance with the PCMMP, the cap, perimeter drainage swales, and adjacent areas are regularly mowed to promote an appropriate vegetative growth across the cap system, and limit the growth of unwanted vegetation. The observed grass height on the closed landfill cap during this event was acceptable. Goulds regularly mows the grass to maintain a consistent grass height.

SURFACE WATER DRAINAGE

The site drainage system was inspected for areas of erosion, ponding, sedimentation and excessive vegetative growth during the 2Q 2019 monitoring and maintenance event. No areas of concern were observed during the 2Q 2019 inspection event, and the overall drainage system is acceptable and continues to perform as designed. The rock check dams placed within the perimeter drainage swales reduce the potential for erosion during periods of higher flow at the site. These check dams are maintained regularly by periodically adding rock to each dam to remain effective. An acceptable amount of water was observed in the swales with no significant erosion, ponding or sedimentation observed. Vegetation in the drainage swale is cut regularly to reduce the likelihood of woody growth. Goulds will mow the perimeter drainage swales during the third quarter of 2019. There was no indication of sedimentation, ponding, damage, or debris at the culvert beneath the railroad during the 2Q 2019 monitoring and maintenance event.

ACCESS ROADWAY, GATES, AND FENCING

The access roadway was inspected for indications of erosion, ponding, or damage to the culverts beneath the roadway. At the time of the inspection, no indications of erosion, ponding or damage to these culverts were observed. The gates and fencing are also in good condition and provide access control in accordance with the PCMMP. A lock and chain across the access roadway adjacent to Black Brook Road prevents unauthorized vehicular access from the road. A locked gate provides a secondary control to prevent unauthorized vehicular access to the landfill. The facility and the landfill are also under 24-hour video surveillance.

ADJACENT AREAS

Adjacent areas are inspected during monitoring and maintenance events. During the 2Q 2019 monitoring and maintenance event, the adjacent areas were in satisfactory condition with suitable access to off-cap monitoring wells. Access to off-cap monitoring wells in the vegetated areas north and west of the closed landfill is facilitated by regularly brush-hogged laneways. Vegetative cover is well established, and drainage appears satisfactory.

MONITORING WELLS AND PIEZOMETERS

The protective casing at P-1 is out of alignment, however, this is not affecting groundwater level monitoring at this location. Piezometer P-1 has been approved by the NYSDEC for abandonment, and Goulds may pursue abandonment of P-1 in the future.

The site monitoring wells are in acceptable condition and are easily located, along with the piezometers. At the time of this inspection event, the access laneways were mowed to an acceptable length.

Access to the off-cap area adjacent to the MW-2 and MW-4 clusters as well as MW-1S is provided by routinely brush-hogged laneways. These clusters are immediately north and northwest of the closed landfill. These areas will continue to be cleared to facilitate access to the monitoring wells in those areas by field staff.

WATER LEVELS AND HYDRAULIC GRADIENTS

Water levels were measured at monitoring wells and piezometers and the leachate collection manhole located at the southern end of the landfill. Water level measurements are shown in Table 1 and are generally consistent with historical values at the site. Potentiometric contour maps were generated for both the shallow (Figure 1) and bedrock (Figure 2) groundwater monitoring wells. As shown in Figure 1, shallow groundwater in the vicinity of the landfill generally flows south-southwest. A similar groundwater flow pattern is exhibited in Figure 2, which was contoured using groundwater elevations from 3 monitoring wells (MW-2R, MW-5R, and MW-8R) completed in bedrock adjacent to the landfill. The groundwater flow direction as indicated by the bedrock monitoring wells is southwest.

GROUNDWATER MONITORING WELL AND LEACHATE MANHOLE SAMPLING

During the 2Q inspection event, groundwater levels were measured and converted into elevations and are included in Table 1. The NYSDEC-approved PCMMP requires 13 groundwater monitoring wells (MW-1S, MW-2S, MW-2D, MW-2R, MW-4S, MW-4D, MW-5S, MW-5D, MW-5R, MW-7S, MW-8S, MW-8D, and MW-8R) and the leachate collection manhole to be sampled twice per year and analyzed for Target Analyte List (TAL) metals. Generally, these groundwater sampling events occur in the second and fourth quarters of each calendar year.

Groundwater samples were submitted under routine chain-of-custody protocols to Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) Contract Laboratory Protocol (CLP) certified laboratory in Westborough, MA for analysis. The laboratory report and chains of custody are in Attachment 2. The TAL Metals analytical data from the 2Q 2019 sampling event as well as historical sampling events are summarized in Table 2. Field parameters are measured at each monitoring well during groundwater sampling and are shown in Table 3.

Consistent with historical groundwater sampling of wells at the site, metal analytes in groundwater samples exceeding NYSDEC Class GA groundwater standards include iron, manganese and sodium. Exceedances in NYSDEC Class GA groundwater standards observed during the 2Q 2019 event were within the range of historical values at each of the sampling locations with the exception of sodium concentrations at MW-5S (244,000 µg/l), MW-5D (388,000 µg/l) and MW-5R (390,000 µg/l) which are the highest concentrations of sodium measured at these locations to date. The

increased sodium concentrations observed is likely attributable to winter de-icing activities for personnel and vehicle safety adjacent to this location. No substantial cracks in the asphalt have been observed in this area, and the surface manhole cover of the well appears in good condition.

In the leachate collection manhole sample, iron, lead, manganese, and sodium were detected above Class GA groundwater standards; however, the results were within the range of historical values at this location.

The next event for groundwater and leachate sampling for TAL metals will be performed during the fourth quarter 2019 maintenance and monitoring event.

EXPLOSIVE GAS READINGS

Explosive gas measurements are collected during each monitoring and maintenance event. As shown in Attachment 1, no explosive gases were detected at the landfill gas vents during the 2Q 2019 monitoring and maintenance event. To date, no explosive gases have been detected at the landfill gas vents. The generation of explosive gases is highly unlikely given the waste characteristics of the landfill, which is predominantly foundry sand.

Section 4.6 of the NYSDEC-approved PCMMP states: “It is anticipated that the explosive gas monitoring effort at the site will be reduced or eliminated based on the results of the monitoring throughout the first two years.” Because no explosive gases have been detected to date at the landfill gas vents, which have been monitored since 1998, explosive gas monitoring will be eliminated beginning with the 3Q 2019 monitoring and maintenance event.

If you have any questions or comments regarding the monitoring event results, please do not hesitate to call Jeff Stanek at (949) 562-7401.

Very truly yours,

Arcadis of New York, Inc.

Matthew Yonkin, PE, BCEE
Associate Vice President

I certify that I have reviewed the Second Quarter 2019 Post-Closure Inspection and Monitoring Event dated September 20, 2019 and that the document meets the requirements of the *Post*

Closure Monitoring and Maintenance Plan (PCMMP) dated December 1997 and approved by the NYSDEC on December 29, 1997. This report also conforms to applicable state, federal, and local regulations, generally accepted practices in the environmental profession and Arcadis standards.

List of Figures:

Figure 1 – Site Plan and Shallow Zone Potentiometric Map, Second Quarter 2019
Figure 2 – Site Plan and Rock Zone Potentiometric Map, Second Quarter 2019

List of Tables:

Table 1 – Post-Closure Groundwater Monitoring – Summary of Groundwater Levels
Table 2 – Analytical Summary of Post-Closure Groundwater Monitoring
Table 3 – Post-Closure Groundwater Monitoring Purge Logs

List of Attachments:

Attachment 1 – Second Quarter 2019 Inspection Forms
Attachment 2 – Summary Data Packages – Alpha Analytical

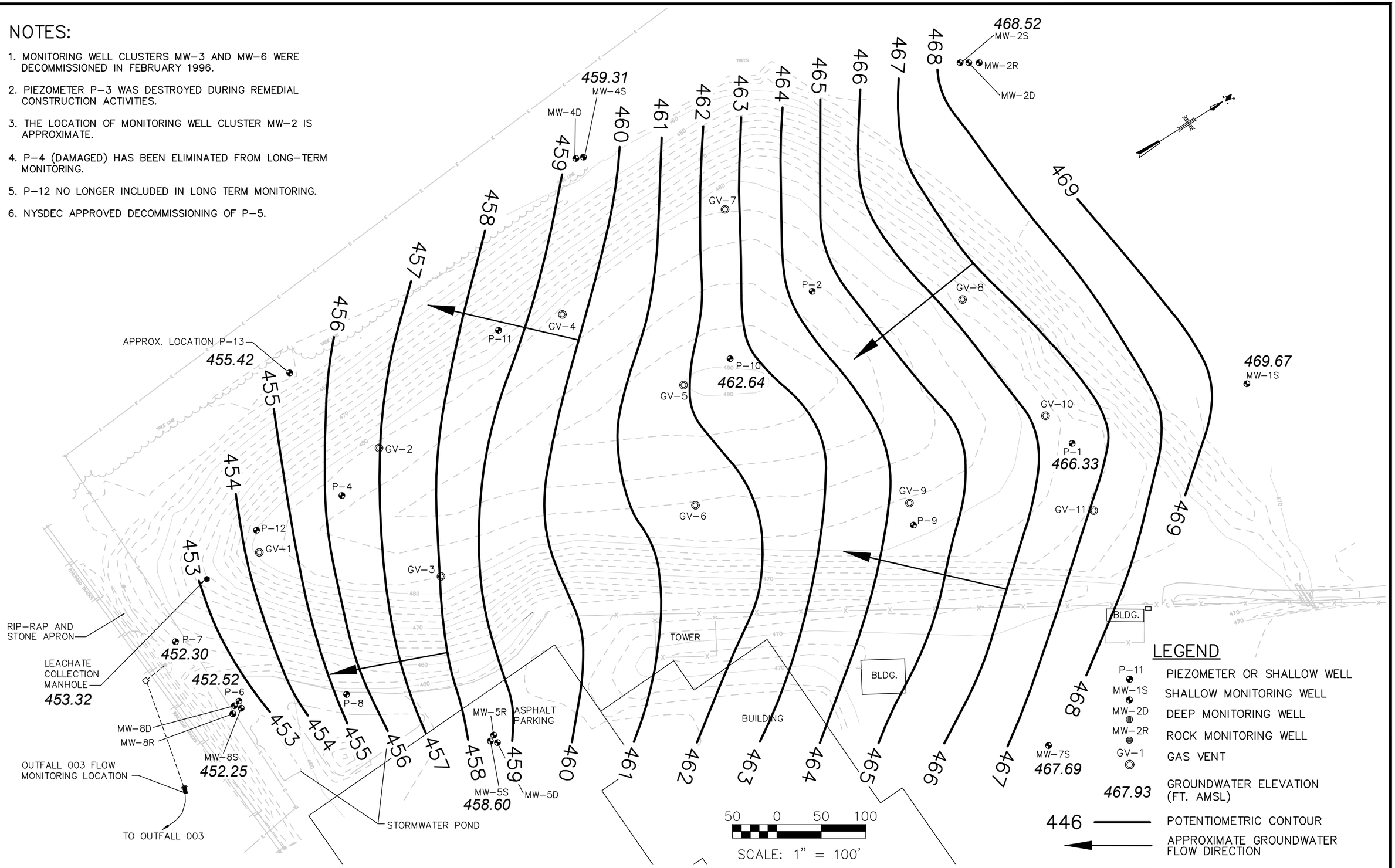
cc:

Jeff Stanek - ITT

FIGURES

NOTES:

1. MONITORING WELL CLUSTERS MW-3 AND MW-6 WERE DECOMMISSIONED IN FEBRUARY 1996.
2. PIEZOMETER P-3 WAS DESTROYED DURING REMEDIAL CONSTRUCTION ACTIVITIES.
3. THE LOCATION OF MONITORING WELL CLUSTER MW-2 IS APPROXIMATE.
4. P-4 (DAMAGED) HAS BEEN ELIMINATED FROM LONG-TERM MONITORING.
5. P-12 NO LONGER INCLUDED IN LONG TERM MONITORING.
6. NYSDEC APPROVED DECOMMISSIONING OF P-5.



LEGEND

P-11	PIEZOMETER OR SHALLOW WELL
MW-1S	SHALLOW MONITORING WELL
MW-2D	DEEP MONITORING WELL
MW-2R	ROCK MONITORING WELL
GV-1	GAS VENT
467.93	GROUNDWATER ELEVATION (FT. AMSL)
446	POTENTIOMETRIC CONTOUR
	APPROXIMATE GROUNDWATER FLOW DIRECTION

ARCADIS

FORMER GOULDS LANDFILL
SENECA FALLS, NEW YORK

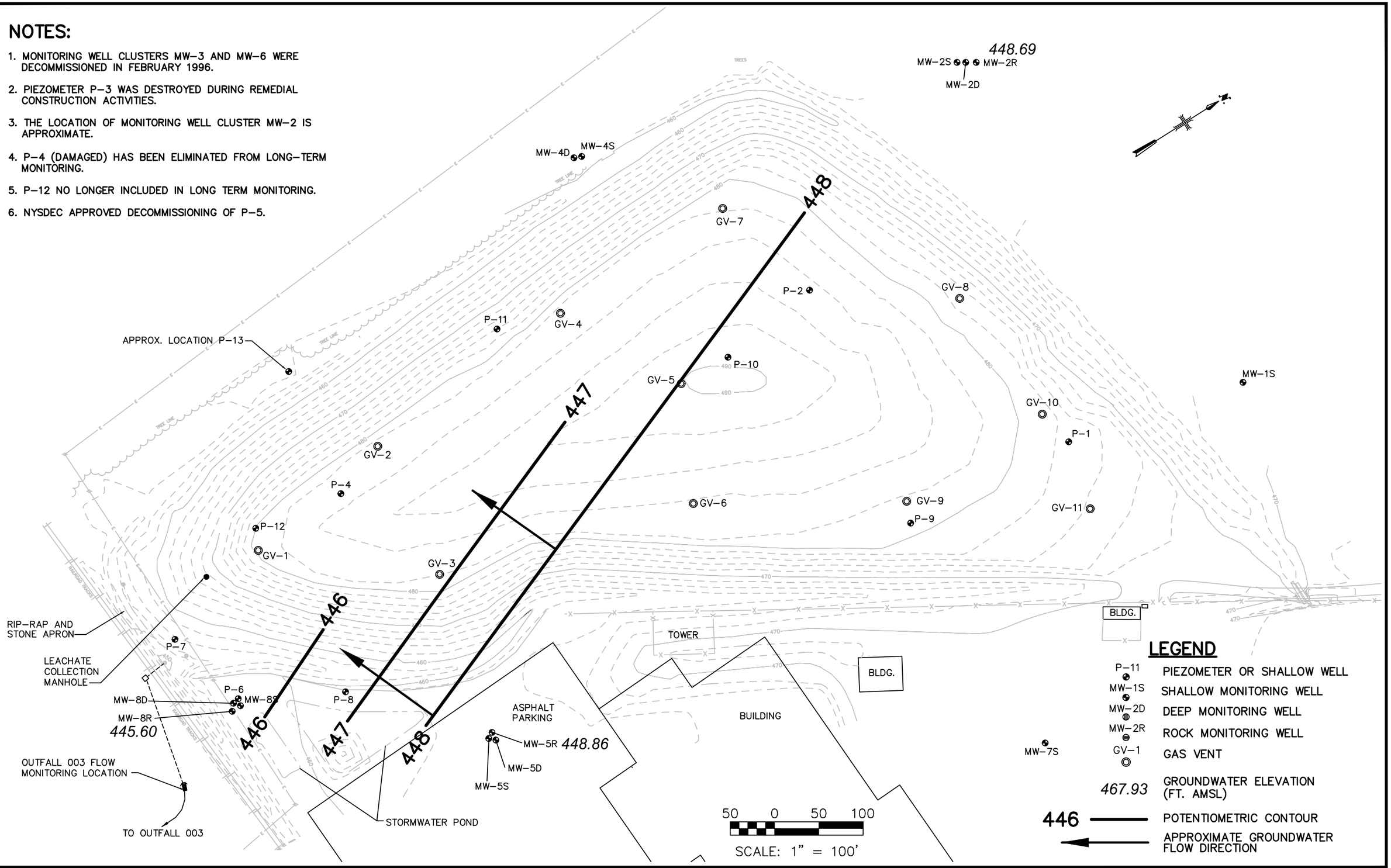
SITE PLAN AND SHALLOW ZONE POTENTIOMETRIC MAP
SECOND QUARTER 2019
SCALE: AS SHOWN

APRIL 2019

FIGURE 1

NOTES:

1. MONITORING WELL CLUSTERS MW-3 AND MW-6 WERE DECOMMISSIONED IN FEBRUARY 1996.
2. PIEZOMETER P-3 WAS DESTROYED DURING REMEDIAL CONSTRUCTION ACTIVITIES.
3. THE LOCATION OF MONITORING WELL CLUSTER MW-2 IS APPROXIMATE.
4. P-4 (DAMAGED) HAS BEEN ELIMINATED FROM LONG-TERM MONITORING.
5. P-12 NO LONGER INCLUDED IN LONG TERM MONITORING.
6. NYSDEC APPROVED DECOMMISSIONING OF P-5.



LEGEND

P-11	PIEZOMETER OR SHALLOW WELL
MW-1S	SHALLOW MONITORING WELL
MW-2D	DEEP MONITORING WELL
MW-2R	ROCK MONITORING WELL
GV-1	GAS VENT
467.93	GROUNDWATER ELEVATION (FT. AMSL)
446	POTENTIOMETRIC CONTOUR
	APPROXIMATE GROUNDWATER FLOW DIRECTION

ARCADIS

FORMER GOULDS LANDFILL
SENECA FALLS, NEW YORK

SITE PLAN AND ROCK ZONE POTENTIOMETRIC MAP
SECOND QUARTER 2019
SCALE: AS SHOWN

APRIL 2019

FIGURE 2

TABLES

TABLE 1
POST-CLOSURE GROUNDWATER MONITORING
SUMMARY OF GROUNDWATER LEVELS
GOULDS PUMPS, INC.

Well/Piezometer	MW-1S		MW-2S		MW-2D		MW-2R		MW-4S		MW-4D	
Protective Casing Elevation	472.77		471.51		471.68		471.38		462.76		462.26	
Measuring Point Elevation	472.45		471.37		471.34		471.06		462.61		462.11	
Ground Elevation	470.21		468.87		468.94		469.35		460.03		459.85	
Date	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)
First Quarter '07	2.89	469.56	3.00	468.37	2.74	468.60	23.96	447.10	3.39	459.22	8.4	453.71
Second Quarter '07	7.12	465.33	8.09	463.28	7.79	463.55	23.81	447.25	6.43	456.18	9.41	452.70
Third Quarter '07	10.84	461.61	10.07	461.30	9.64	461.70	26.26	444.80	6.01	456.60	11.04	451.07
Fourth Quarter '07	8.08	464.37	8.36	463.01	8.00	463.34	26.55	444.51	5.59	457.02	10.51	451.60
First Quarter '08	2.73	469.72	3.51	467.86	3.26	468.08	23.98	447.08	3.52	459.09	8.46	453.65
Second Quarter '08	3.61	468.84	4.49	466.88	4.29	467.05	22.90	448.16	4.11	458.50	8.1	454.01
Third Quarter '08	10.89	461.56	9.90	461.47	8.51	462.83	25.91	445.15	6.74	455.87	11.04	451.07
Fourth Quarter '08	3.29	469.16	4.40	466.97	4.10	467.24	25.75	445.31	3.77	458.84	9.12	452.99
First Quarter '09	2.92	469.53	3.33	468.04	3.11	468.23	23.70	447.36	3.65	458.96	8.17	453.94
Second Quarter '09	3.56	468.89	4.33	467.04	4.16	467.18	23.44	447.62	3.92	458.69	8.13	453.98
Third Quarter '09	6.87	465.58	7.01	464.36	6.72	464.62	24.62	446.44	5.52	457.09	9.48	452.63
Fourth Quarter '09	3.13	469.32	4.04	467.33	3.82	467.52	25.38	445.68	3.74	458.87	9.28	452.83
First Quarter '10	3.29	469.16	4.17	467.20	3.95	467.39	24.33	446.73	3.96	458.65	8.79	453.32
Second Quarter '10	2.86	469.59	3.14	468.23	2.90	468.44	23.26	447.80	3.48	459.13	8.04	454.07
Third Quarter '10	9.18	463.27	8.53	462.84	8.26	463.08	25.23	445.83	6.11	456.50	10.26	451.85
Fourth Quarter '10	2.99	469.46	3.64	467.73	3.43	467.91	23.63	447.43	3.63	458.98	8.07	454.04
Second Quarter '11	6.27	466.18	6.79	464.58	6.51	464.83	22.75	448.31	5.44	457.17	8.88	453.23
Third Quarter '11	8.91	463.54	7.31	464.06	6.95	464.39	24.89	446.17	5.52	457.09	9.96	452.15
Fourth Quarter '11	3.05	469.40	3.81	467.56	3.61	467.73	23.63	447.43	3.88	458.73	8.28	453.83
Second Quarter '12	6.21	466.24	6.45	464.92	6.17	465.17	23.73	447.33	5.19	457.42	8.92	453.19
Third Quarter '12	12.96	459.49	11.48	459.89	11.19	460.15	26.25	444.81	6.85	455.76	13.30	448.81
Fourth Quarter '12	12.12	460.33	8.41	462.96	5.43	465.91	26.89	444.17	4.30	458.31	10.70	451.41
Second Quarter '13	4.35	468.10	4.79	466.58	4.49	466.85	24.17	446.89	4.65	457.96	8.41	453.70
Third Quarter '13	5.61	466.84	5.63	465.74	5.35	465.99	23.77	447.29	5.34	457.27	9.08	453.03
Fourth Quarter '13	3.65	468.80	3.99	467.38	3.79	467.55	24.62	446.44	4.34	458.27	8.95	453.16
Second Quarter '14	4.18	468.27	4.81	466.56	4.79	466.55	23.25	447.81	4.73	457.88	8.75	453.36
Third Quarter '14	6.71	465.74	5.89	465.48	5.57	465.77	23.83	447.23	5.63	456.98	9.34	452.77
Fourth Quarter '14	3.09	469.36	3.43	467.94	3.19	468.15	24.69	446.37	3.66	458.95	8.94	453.17
Second Quarter '15	4.73	467.72	5.20	466.17	4.93	466.41	23.30	447.76	4.82	457.79	8.24	453.87
Third Quarter '15	7.57	464.88	7.49	463.88	7.19	464.15	23.36	447.70	6.30	456.31	9.83	452.28
Fourth Quarter '15	3.30	469.15	4.65	466.72	4.40	466.94	24.33	446.73	3.97	458.64	8.73	453.38
Second Quarter '16	3.22	469.23	4.00	467.37	7.22	464.12	23.45	447.61	3.76	458.85	8.23	453.88
Third Quarter '16	13.97	458.48	11.96	459.41	11.65	459.69	26.84	444.22	6.82	455.79	11.63	450.48
Fourth Quarter '16	3.05	469.40	4.12	467.25	4.27	467.07	25.25	445.81	3.72	458.89	9.01	453.10
Second Quarter '17	2.55	469.90	2.86	468.51	2.67	468.67	22.47	448.59	3.30	459.31	7.63	454.48
Third Quarter '17	7.25	465.20	6.20	465.17	5.91	465.43	23.39	447.67	5.60	457.01	9.14	452.97
Fourth Quarter '17	3.18	469.27	3.83	467.54	7.08	464.26	23.92	447.14	3.91	458.70	10.20	451.91
Second Quarter '18	2.88	469.57	3.08	468.29	4.47	466.87	23.40	447.66	3.58	459.03	10.41	451.70
Third Quarter '18	8.42	464.03	6.31	465.06	6.00	465.34	25.42	445.64	5.52	457.09	9.93	452.18
Fourth Quarter '18	3.04	469.41	3.30	468.07	4.61	466.73	23.58	447.48	3.78	458.83	10.94	451.17
Second Quarter '19	2.78	469.67	2.85	468.52	2.64	468.70	22.37	448.69	3.30	459.31	7.74	454.37
Change Since Previous Event	0.26		0.45		1.97		1.21		0.48		3.20	

NM - Not Measured

DRY - Well or piezometer was dry

TABLE 1
POST-CLOSURE GROUNDWATER MONITORING
SUMMARY OF GROUNDWATER LEVELS
GOULDS PUMPS, INC.

Well/Piezometer	MW-5S		MW-5D		MW-5R		MW-7S		MW-8S		MW-8D		MW-8R	
Protective Casing Elevation	466.12		466.07		465.08		472.03		460.90		460.98		460.01	
Measuring Point Elevation	465.94		465.92		464.74		471.89		460.85		460.87		459.88	
Ground Elevation	463.54		463.55		463.46		470.98		458.44		458.42		458.20	
Date	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)
First Quarter '07	5.49	460.45	11.96	453.96	18.51	446.23	2.89	469.00	7.43	453.42	19.26	441.61	15.72	444.16
Second Quarter '07	7.59	458.35	12.54	453.38	18.33	446.41	4.73	467.16	8.67	452.18	19.12	441.75	15.52	444.36
Third Quarter '07	6.34	459.60	13.22	452.70	20.96	443.78	3.66	468.23	9.55	451.30	21.75	439.12	17.86	442.02
Fourth Quarter '07	6.25	459.69	12.72	453.20	21.72	443.02	4.39	467.50	8.82	452.03	20.08	440.79	18.06	441.82
First Quarter '08	5.72	460.22	15.96	449.96	18.69	446.05	3.51	468.38	7.86	452.99	19.36	441.51	15.85	444.03
Second Quarter '08	6.35	459.59	11.74	454.18	17.70	447.04	3.81	468.08	8.35	452.50	18.70	442.17	14.95	444.93
Third Quarter '08	6.76	459.18	12.90	453.02	20.80	443.94	4.47	467.42	9.80	451.05	20.70	440.17	17.74	442.14
Fourth Quarter '08	5.71	460.23	12.50	453.42	20.39	444.35	3.43	468.46	7.97	452.88	20.17	440.70	17.42	442.46
First Quarter '09	5.82	460.12	11.86	454.06	18.37	446.37	4.68	467.21	7.78	453.07	19.07	441.80	15.52	444.36
Second Quarter '09	6.42	459.52	11.86	454.06	18.09	446.65	5.34	466.55	8.23	452.62	18.88	441.99	15.34	444.54
Third Quarter '09	6.45	459.49	12.34	453.58	19.03	445.71	NM	NM	8.51	452.34	16.46	444.41	16.14	443.74
Fourth Quarter '09	6.03	459.91	12.44	453.48	19.99	444.75	4.06	467.83	8.17	452.68	19.97	440.90	17.05	442.83
First Quarter '10	6.29	459.65	12.78	453.14	19.02	445.72	4.52	467.37	8.10	452.75	19.47	441.40	16.12	443.76
Second Quarter '10	6.05	459.89	11.67	454.25	17.87	446.87	3.71	468.18	7.93	452.92	18.70	442.17	15.07	444.81
Third Quarter '10	6.74	459.20	12.77	453.15	19.46	445.28	2.27	469.62	9.18	451.67	23.40	437.47	16.34	443.54
Fourth Quarter '10	5.58	460.36	11.79	454.13	18.22	446.52	3.44	468.45	7.84	453.01	18.78	442.09	15.23	444.65
Second Quarter '11	6.60	459.34	12.01	453.91	17.41	447.33	3.93	467.96	8.41	452.44	18.44	442.43	14.59	445.29
Third Quarter '11	6.12	459.82	12.52	453.40	19.34	445.40	3.74	468.15	8.74	452.11	19.63	441.24	16.22	443.66
Fourth Quarter '11	6.10	459.84	11.97	453.95	18.22	446.52	3.92	467.97	7.89	452.96	18.73	442.14	15.27	444.61
Second Quarter '12	6.91	459.03	12.39	453.53	18.08	446.66	3.77	468.12	8.53	452.32	18.65	442.22	15.26	444.62
Third Quarter '12	9.25	456.69	14.38	451.54	27.90	436.84	4.87	467.02	10.95	449.90	24.41	436.46	17.66	442.22
Fourth Quarter '12	6.39	459.55	13.33	452.59	21.38	443.36	4.00	467.89	9.21	451.64	24.43	436.44	18.20	441.68
Second Quarter '13	6.39	459.55	12.36	453.56	18.76	445.98	3.86	468.03	8.44	452.41	19.05	441.82	15.74	444.14
Third Quarter '13	3.73	459.25	9.80	453.06	17.70	445.44	4.13	467.76	8.41	452.44	18.93	441.94	15.19	444.69
Fourth Quarter '13	NM	----	NM	----	NM	----	4.53	467.36	7.46	453.39	19.32	441.55	16.23	443.65
Second Quarter '14	4.30	458.68	9.00	453.86	14.91	448.23	4.21	467.68	8.62	452.23	18.81	442.06	15.11	444.77
Third Quarter '14	4.86	458.12	9.39	453.47	15.43	447.71	4.51	467.38	8.83	452.02	19.31	441.56	15.56	444.32
Fourth Quarter '14	4.99	457.99	9.75	453.11	16.32	446.82	4.40	467.49	8.84	452.01	19.62	441.25	16.39	443.49
Second Quarter '15	4.81	458.17	9.56	453.30	15.13	448.01	4.52	467.37	9.00	451.85	18.78	442.09	15.15	444.73
Third Quarter '15	4.53	458.45	9.57	453.29	15.31	447.83	4.59	467.30	9.14	451.71	18.89	441.98	15.15	444.73
Fourth Quarter '15	5.02	457.96	9.53	453.33	16.00	447.14	4.51	467.38	8.81	452.04	19.30	441.57	16.02	443.86
Second Quarter '16	4.96	458.02	9.85	453.01	15.29	447.85	4.40	467.49	8.90	451.95	18.90	441.97	17.00	442.88
Third Quarter '16	5.15	457.83	10.52	452.34	18.49	444.65	4.48	467.41	9.62	451.23	21.33	439.54	18.33	441.55
Fourth Quarter '16	4.56	458.42	10.01	452.85	17.10	446.04	4.04	467.85	8.42	452.43	19.68	441.19	16.59	443.29
Second Quarter '17	4.32	458.66	9.45	453.41	14.35	448.79	2.90	468.99	8.30	452.55	18.24	442.63	14.32	445.56
Third Quarter '17	5.01	457.97	9.36	453.50	15.13	448.01	4.64	467.25	9.13	451.72	18.79	442.08	15.11	444.77
Fourth Quarter '17	5.22	457.76	9.59	453.27	15.42	447.72	4.59	467.30	8.75	452.10	22.41	438.46	15.50	444.38
Second Quarter '18	4.79	458.19	9.25	453.61	14.80	448.34	4.23	467.66	8.59	452.26	21.32	439.55	16.68	443.20
Third Quarter '18	5.05	457.93	9.89	452.97	17.08	446.06	4.38	467.51	9.01	451.84	19.92	440.95	16.88	443.00
Fourth Quarter '18	4.74	458.24	9.24	453.62	15.51	447.63	4.25	467.64	9.01	451.84	20.48	440.39	15.82	444.06
Second Quarter '19	4.38	458.60	8.66	454.20	14.28	448.86	4.20	467.69	8.60	452.25	18.20	442.67	14.28	445.60
Change Since Previous Event	0.36		0.58		1.23		0.05		0.41		2.28		1.54	

NM - Not Measured

DRY - Well or piezometer was dry

8/21/2013 Measuring Point Elevation for MW-5S= 462.98

8/21/2013 Measuring Point Elevation for MW-5D= 462.86

8/21/2013 Measuring Point Elevation for MW-5R= 463.14

TABLE 1
POST-CLOSURE GROUNDWATER MONITORING
SUMMARY OF GROUNDWATER LEVELS
GOULDS PUMPS, INC.

Well/Piezometer	P-1		P-2		P-4		P-5		P-6		P-7	
Protective Casing Elevation	480.44		487.76		485.85		467.50		460.71		460.47	
Measuring Point Elevation	480.24		487.75		485.79		467.37		460.57		460.32	
Ground Elevation	477.63		484.67		483.55		465.56		458.58		456.53	
Date	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)
First Quarter '07	13.63	466.61	DRY	----	----	----	4.29	463.08	6.29	454.28	7.54	452.78
Second Quarter '07	14.43	465.81	DRY	----	----	----	7.12	460.25	7.67	452.90	8.58	451.74
Third Quarter '07	15.09	465.15	DRY	----	----	----	4.92	462.45	DRY	---	8.90	451.42
Fourth Quarter '07	15.2	465.04	DRY	----	----	----	5.42	461.95	7.52	453.05	8.65	451.67
First Quarter '08	13.77	466.47	DRY	----	----	----	4.52	462.85	7.28	453.29	7.85	452.47
Second Quarter '08	15.98	464.26	DRY	----	----	----	7.13	460.24	7.55	453.02	8.40	451.92
Third Quarter '08	14.88	465.36	DRY	----	----	----	4.97	462.40	8.35	452.22	9.31	451.01
Fourth Quarter '08	13.8	466.44	DRY	----	----	----	4.44	462.93	7.26	453.31	8.06	452.26
First Quarter '09	13.72	466.52	DRY	----	----	----	4.66	462.71	7.28	453.29	7.91	452.41
Second Quarter '09	14.06	466.18	DRY	----	----	----	6.68	460.69	7.48	453.09	8.11	452.21
Third Quarter '09	16.67	463.57	DRY	----	----	----	5.58	461.79	7.67	452.90	8.51	451.81
Fourth Quarter '09	15.18	465.06	DRY	----	----	----	4.53	462.84	7.46	453.11	8.10	452.22
First Quarter '10	----	----	DRY	----	----	----	5.77	461.60	7.41	453.16	8.08	452.24
Second Quarter '10	13.97	466.27	DRY	----	----	----	4.76	462.61	7.33	453.24	7.97	452.35
Third Quarter '10	14.81	465.43	DRY	----	----	----	5.56	461.81	8.07	452.50	8.55	451.77
Fourth Quarter '10	14.12	466.12	DRY	----	----	----	4.56	462.81	7.26	453.31	7.75	452.57
Second Quarter '11	14.19	466.05	DRY	----	----	----	6.14	461.23	7.55	453.02	8.08	452.24
Third Quarter '11	14.73	465.51	DRY	----	----	----	5.08	462.29	7.61	452.96	8.12	452.20
Fourth Quarter '11	13.71	466.53	DRY	----	----	----	5.48	461.89	7.31	453.26	7.90	452.42
Second Quarter '12	14.12	466.12	26.35	461.40	----	----	6.47	460.90	7.62	452.95	8.22	452.10
Third Quarter '12	14.69	465.55	DRY	----	----	----	7.36	460.01	9.49	451.08	9.03	451.29
Fourth Quarter '12	15.07	465.17	DRY	----	----	----	6.31	461.06	8.02	452.55	8.33	451.99
Second Quarter '13	14.21	466.03	DRY	----	----	----	6.32	461.05	7.64	452.93	8.26	452.06
Third Quarter '13	13.98	466.26	26.38	461.37	----	----	----	----	7.65	452.92	8.16	452.16
Fourth Quarter '13	14.12	466.12	DRY	----	----	----	----	----	7.14	453.43	8.13	452.19
Second Quarter '14	14.12	466.12	DRY	----	----	----	----	----	8.10	452.47	7.99	452.33
Third Quarter '14	14.2	466.04	DRY	----	----	----	----	----	8.43	452.14	8.08	452.24
Fourth Quarter '14	14.24	466.00	DRY	----	----	----	----	----	8.46	452.11	8.04	452.28
Second Quarter '15	14.14	466.10	DRY	----	----	----	----	----	8.35	452.22	8.25	452.07
Third Quarter '15	14.18	466.06	DRY	----	----	----	----	----	8.55	452.02	7.98	452.34
Fourth Quarter '15	14.06	466.18	DRY	----	----	----	----	----	7.99	452.58	8.11	452.21
Second Quarter '16	14.19	466.05	DRY	----	----	----	----	----	8.20	452.37	7.89	452.43
Third Quarter '16	15.34	464.90	DRY	----	----	----	----	----	DRY	----	9.38	450.94
Fourth Quarter '16	14.79	465.45	DRY	----	----	----	----	----	7.63	452.94	8.00	452.32
Second Quarter '17	13.45	466.79	DRY	----	----	----	----	----	7.55	453.02	7.64	452.68
Third Quarter '17	14.26	465.98	DRY	----	----	----	----	----	8.56	452.01	8.22	452.10
Fourth Quarter '17	13.94	466.30	DRY	----	----	----	----	----	8.01	452.56	8.09	452.23
Second Quarter '18	13.7	466.54	DRY	----	----	----	----	----	7.96	452.61	7.88	452.44
Third Quarter '18	14.78	465.46	DRY	----	----	----	----	----	8.66	451.91	8.43	451.89
Fourth Quarter '18	13.84	466.40	DRY	----	----	----	----	----	7.77	452.80	8.05	452.27
Second Quarter '19	13.91	466.33	DRY	----	----	----	----	----	8.05	452.52	8.02	452.30
Change Since Previous Event	(0.07)		--		OMMISSIONED IN		COMMISSIONED IN 20		(0.28)		0.03	

NM - Not Measured

DRY - Well or piezometer was dry

TABLE 1
POST-CLOSURE GROUNDWATER MONITORING
SUMMARY OF GROUNDWATER LEVELS
GOULDS PUMPS, INC.

Well/Piezometer	P-8		P-9		P-10		P-11		P-13		MH	
Protective Casing Elevation	463.66		483.83		491.90		479.71		---		470.00	
Measuring Point Elevation	463.53		483.81		491.89		479.66		459.40		469.25	
Ground Elevation	461.45		481.29		489.40		476.47		455.99		----	
Date	DTW (ft)	ELEV (ft)	DTW (ft	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)
First Quarter '07	6.90	456.63	DRY	----	29.21	462.68	23.31	456.35	4.11	455.29	15.94	453.31
Second Quarter '07	DRY	----	DRY	----	DRY	----	DRY	----	7.35	452.05	16.09	453.16
Third Quarter '07	DRY	----	DRY	----	DRY	----	DRY	----	9.43	449.97	16.04	453.21
Fourth Quarter '07	DRY	----	DRY	----	DRY	----	DRY	----	7.25	452.15	16.10	453.15
First Quarter '08	7.21	456.32	DRY	----	28.64	463.25	DRY	----	4.18	455.22	16.18	453.07
Second Quarter '08	DRY	----	DRY	----	DRY	----	DRY	----	7.25	452.15	16.09	453.16
Third Quarter '08	7.65	455.88	18	465.56	DRY	----	DRY	----	8.05	451.35	16.07	453.18
Fourth Quarter '08	7.22	454.23	DRY	----	DRY	----	DRY	----	4.28	455.12	16.06	453.19
First Quarter '09	7.20	454.25	DRY	----	29.02	462.87	DRY	----	4.64	454.76	16.12	453.13
Second Quarter '09	7.79	453.66	DRY	----	29.08	462.81	DRY	----	4.71	454.69	16.26	452.99
Third Quarter '09	DRY	----	DRY	----	29.82	462.07	DRY	----	6.49	452.91	16.32	452.93
Fourth Quarter '09	DRY	----	DRY	----	DRY	----	NM	----	4.21	455.19	16.14	453.11
First Quarter '10	NM	----	DRY	----	29.61	462.28	DRY	----	5.49	453.91	16.20	453.05
Second Quarter '10	7.38	456.15	DRY	----	29.73	462.16	DRY	----	4.54	454.86	15.98	453.27
Third Quarter '10	DRY	----	DRY	----	DRY	----	DRY	----	7.03	452.37	16.28	452.97
Fourth Quarter '10	7.13	456.40	DRY	----	29.78	462.11	DRY	----	4.39	455.01	15.83	453.42
Second Quarter '11	DRY	----	DRY	----	29.37	462.52	DRY	----	6.31	453.09	15.71	453.54
Third Quarter '11	DRY	----	DRY	----	29.70	462.19	DRY	----	6.78	452.62	15.82	453.43
Fourth Quarter '11	7.33	----	DRY	----	DRY	----	DRY	----	4.80	454.60	16.08	453.17
Second Quarter '12	DRY	----	18	465.57	DRY	----	DRY	----	6.44	452.96	17.29	451.96
Third Quarter '12	DRY	----	DRY	----	DRY	----	DRY	----	8.30	451.10	15.91	453.34
Fourth Quarter '12	DRY	----	DRY	----	DRY	----	DRY	----	4.92	454.48	15.98	453.27
Second Quarter '13	DRY	----	DRY	----	29.59	462.30	DRY	----	5.87	453.53	15.91	453.34
Third Quarter '13	DRY	----	DRY	----	29.86	462.03	DRY	----	6.14	453.26	15.93	453.32
Fourth Quarter '13	7.68	455.85	DRY	----	DRY	----	DRY	----	5.55	453.85	16.06	453.19
Second Quarter '14	DRY	----	DRY	----	DRY	----	DRY	----	6.26	453.14	16.09	453.16
Third Quarter '14	DRY	----	DRY	----	DRY	----	DRY	----	6.44	452.96	15.97	453.28
Fourth Quarter '14	DRY	----	DRY	----	DRY	----	DRY	----	4.67	454.73	15.99	453.26
Second Quarter '15	DRY	----	DRY	----	29.74	462.15	DRY	----	5.95	453.45	16.06	453.19
Third Quarter '15	DRY	----	DRY	----	30.03	461.86	DRY	----	7.00	452.40	15.93	453.32
Fourth Quarter '15	DRY	----	DRY	----	DRY	----	DRY	----	5.23	454.17	16.11	453.14
Second Quarter '16	DRY	----	DRY	----	29.51	462.38	22.44	457.22	5.08	454.32	15.92	453.33
Third Quarter '16	DRY	----	DRY	----	DRY	----	DRY	----	DRY	----	15.90	453.35
Fourth Quarter '16	DRY	----	DRY	----	DRY	----	DRY	----	4.05	455.35	15.95	453.30
Second Quarter '17	7.50	456.03	DRY	----	29.10	462.79	DRY	----	3.93	455.47	15.97	453.28
Third Quarter '17	DRY	----	DRY	----	29.90	461.99	DRY	----	6.50	452.90	15.99	453.26
Fourth Quarter '17	DRY	----	DRY	----	29.91	461.98	DRY	----	3.78	455.62	15.97	453.28
Second Quarter '18	DRY	----	DRY	----	29.34	462.55	DRY	----	3.65	455.75	15.83	453.42
Third Quarter '18	DRY	----	DRY	----	DRY	----	DRY	----	6.51	452.89	16.03	453.22
Fourth Quarter '18	DRY	----	DRY	----	29.65	462.24	DRY	----	4.54	454.86	15.98	453.27
Second Quarter '19	DRY	----	DRY	----	29.25	462.64	NM	----	3.98	455.42	15.93	453.32
Change Since Previous Event	--		--		0.40		--		0.56		0.05	

NM - Not Measured

DRY - Well or piezometer was dry

TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-1S (ug/l)											
			Jun-07	Nov-07	May-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	50 J	41 J
Antimony	3 [2]	60	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	34 J	38 J	38 J	36 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 J	1.2 J
Calcium		5000	66000	66000	64000	62000	69000	69000	77000	72000	72000	72000	80000	72000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	8 J	10 U	7.5 J	7.2 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6.6 J
Copper	200	25	10 U	10 U	13	10 U	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	**300**	**300**	**370**	130	52	260	180	230	150	210	**670**	**650**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	100000	100000	98000	100000	100000	110000	120000	110000	110000	110000	130000	110000
Manganese	300 [3]	15	**200**	**200**	**210**	22	10 U	46	78	20	220	28	**160**	**91**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.9 J
Potassium		5000	6400	6400	5100	5300	5500	4900	5100	4800 JH	5300	4700	5500	5900
Selenium	10	5	10 U	10 U	10 U	***25**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**28000**	**28000**	**22000**	**49000**	**30000**	**25000**	**27000**	**25000**	**26000**	**25000**	**26000**	**25000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	12 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	5.1 J	20 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

Concentration Qualifiers:
B - The reported value is less than the CRDL, but greater than or equal to the IDL.
U - The analyte was analyzed, but not detected.
Qualifiers for Specified Entries:
E - The reported value is estimated due to the presence of interference(s).
J - The value is being reported as estimated based on the findings of the Data Usability
L - Based on the DUSR, these values are based on an elevated detection limit due to the
I - Matrix Interference
* = The result of a calibration blank associated with this analysis was greater than the
Concentration is greater than GA Standards
ug/l = micrograms per liter

Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
(2) The value shown is a guidance value.
(3) The sum of iron and manganese shall be less than 500 ug/l.
SP - Submersible Pump with Dedicated Tubing
PP - Peristaltic Pump with Dedicated Tubing
B - Bailer (Either Dedicated or Disposable)

TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-1S (ug/l)											
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	100 U	100 U	40 J	100 U	100 U	100 U	30 J	44 J	100 U	100 U	100 U	197	100 U
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	50 U	27 J	50 U	50 U	50 U	50 U	50 U	8 J	50 U
Arsenic	25	10	10 U	10 U	5 U	5 U	5 U	5 U	2 J	5 U	10 U	3 J	5 U	5 U	5 U
Barium	1000	200	34 J	34 J	32	29	31	26	31	35	32	37	29	39	34
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	72000	70000	69000	65000	65000 J	59000 J	69000	62600	64100	68300	63500	63900	65100
Chromium	50	10	4.4 J	4.3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	6 J	2 J	10 U	10 U	10 U	4 J	3 J	2 J	3 J	3 J	4 J
Iron	300 [3]	100	220	**340**	**520**	**620**	**630**	**750**	**660**	**400**	44 J	**363**	40 J	**335**	64
Lead	25	3	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
Magnesium	35000 [2]	5000	120000	110000	110000	99000	110000 J	95000	110000	111000	106000	114000	104000	107000	115000
Manganese	300 [3]	15	83	72	**170**	**117**	**86**	**62**	**127**	38	7 J	51	17	32	13
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium		5000	4900	5500	5000	3900	4400	3900	4000	4300	4070	5160	3800	4160	3850
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**27000**	**26000**	**28000**	**25000**	**25000**	**24000**	**26000**	**25200**	**25400**	**29300**	**25800**	**25700**	**27600**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium		50	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
Zinc	2000	20	20 U	20 U	50 U	50 U	50 U	50 U	50 U	4 J	4 J	5 U	50 U	2 J	50 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

Concentration Qualifiers:
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I - Matrix Interference
* = The result of a calibration blank associated with this analysis was greater than the
Concentration is greater than GA
ug/l = micrograms per liter

Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
(2) The value shown is a guidance value.
(3) The sum of iron and manganese shall be less
SP - Submersible Pump with Dedicated Tubing
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B - Bailer (Either Dedicated or Disposable)

TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-2S (ug/l)											
			Jun-07	Nov-07	May-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	41 J	100 U
Antimony	3 [2]	60	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	37 J	43 J	40 J	41 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 J	10 U
Calcium		5000	51000	54000	52000	54000	55000	57000	59000	58000	58000	60000	68000	60000
Chromium	50	10	10 U	10 U	10 U	18	10 U	10 U	10 U	10 U	8.8 J	10 U	7.8 J	4.9 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	10 U	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	50 U	50 U	64	**350**	25	130	140	50 U	33 J	94	72	69
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	95000	94000	93000	100000	96000	100000	110000	100000	110000	110000	120000	110000
Manganese	300 [3]	15	10 U	24	10 U	73	10 U	10 U	10 U	10 U	1.6 J	6.9 J	18	10
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.43	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.2 J
Potassium		5000	3600	7900	2600	4800	2700	3000	2600	3200	3300	6900	3800	7
Selenium	10	5	10 U	10 U	10 U	***36**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**34000**	**36000**	**27000**	**35000**	**37000**	**32000**	**32000**	**30000**	**29000**	**31000**	**33000**	**30000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	14 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	5.9 J	4.1 J	6 J	20 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

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Concentration is greater than GA Standards
ug/l = micrograms per liter

Notes:
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GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-2S (ug/l)											
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	100 U	100 U	30 J	100 U	100 U	100 U	100 U	699	85 J	67 J	100 U	39 J	100 U
Antimony	3 [2]	60	10 U	10 U	**19** J	50 U	50 U	**36** J	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	5 U	5 U	5 U	5 U	2 J	5 U	3 J	5 U	5 U	5 U
Barium	1000	200	39 J	44 J	35	37	35	39	41	47	60	85	71	77	74
Beryllium	3 [2]	5	0.36 J	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	60000	56000	50000	53000	53000	48000	58000	36400	41600	51700	54800	55800	55400
Chromium	50	10	4.7 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	4 J	2 J	10 J	3 J	3 J	8 J	3 J	4 J	3 J	3 J	4 J
Iron	300 [3]	100	29 J	63	60	40	40 J	100	50 U	**591**	64	99	24 J	110	36 J
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	3 J	10 U	10 U	10 U
Magnesium	35000 [2]	5000	110000	100000	96000	95000	100000	85000	110000	47400	56300	85600	94700	99000	105000
Manganese	300 [3]	15	10 U	5.9 J	3 J	2 J	10 U	53	3 J	18	11	14	6 J	12	3 J
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium		5000	2600	2600	1800 J	3300	2300 J	3900 J	2000 J	1880 J	1710 J	3190 J	1960 J	2250 J	2060 J
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**33000**	**33000**	**32000**	**32000**	**30000**	**29000**	**32000**	14500	18800	**30700**	**31400**	**32600**	**34100**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium		50	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
Zinc	2000	20	20 U	4.9 J	50 U	50 U	50 U	50 U	50 U	4 J	50 U	3 J	50 U	3 J	50 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

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* = The result of a calibration blank associated with this analysis was greater than the established control limit.
Concentration is greater than GA St
ug/l = micrograms per liter

Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
(2) The value shown is a guidance value.
(3) The sum of iron and manganese shall be less than 50
SP - Submersible Pump with Dedicated Tubing
PP - Peristaltic Pump with Dedicated Tubing
B - Bailer (Either Dedicated or Disposable)

TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-2D (ug/l)											
			Jun-07	Nov-07	May-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	100 U	410	300	440	330	250	390	430	560	530	260	220
Antimony	3 [2]	60	14	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	34 J	34 J	38 J	34 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1.2 J
Calcium		5000	70000	73000	67000	70000	150000	72000	77000	74000	73000	73000	83000	70000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	7.6 J	7.4 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	8.4 J
Copper	200	25	10 U	10 U	11	11	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	140	**700**	**1200**	**1700**	290	**550**	**490**	**650**	**510**	**450**	**520**	**550**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	120000	110000	110000	120000	310000	120000	120000	120000	120000	120000	140000	120000
Manganese	300 [3]	15	52	**170**	**160**	**170**	66	**120**	**90**	**130**	**61**	**140**	**120**	**140**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	11	10 U	10 U	10 U	10 U	3 J	3.4 J	4 J	5.7 J
Potassium		5000	7600	6500	7100	6900	18000	4500	4900	4500	6900	4600	6000	6100
Selenium	10	5	10 U	10 U	10 U	***35**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**57000**	**53000**	**40000**	**84000**	**120000**	**46000**	**49000**	**45000**	**48000**	**45000**	**48000**	**39000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	12 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U
Zinc	2000	20	10 U	10 U	32	29	17	20 U	20 U	20 U	8.9 J	12 J	26	39
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

Concentration Qualifiers:
B - The reported value is less than the CRDL, but greater than or equal to the IDL.
U - The analyte was analyzed, but not detected.
Qualifiers for Specified Entries:
E - The reported value is estimated due to the presence of interference(s).
J - The value is being reported as estimated based on the findings of the Data Usability Summary Report
L - Based on the DUSR, these values are based on an elevated detection limit due to the copresence in the
I - Matrix Interference
* = The result of a calibration blank associated with this analysis was greater than the established control
Concentration is greater than GA Standards
ug/l = micrograms per liter

Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
(2) The value shown is a guidance value.
(3) The sum of iron and manganese shall be less than 500 ug/l.
SP - Submersible Pump with Dedicated Tubing
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TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-2D (ug/l)												
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	180	89	40 J	100 U	80 J	100 U	70 J	34 J	441	84 J	199	71 J	47 J
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	50 U	50 U	50 U	12 J	50	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U	3 J	5 U	4 J
Barium	1000	200	35 J	32 J	25	34	33	27	31	35	42	51	48	34	33
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	71000	75000	64000	69000	66000	63000	60000	62300	64700	60800	66600	65500	64200
Chromium	50	10	5.1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	2 J	3 J	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	3 J
Iron	300 [3]	100	270	**790**	230	240	**570**	210	**470**	**417**	**1140**	**366**	**1000**	**494**	282
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 J	10 U	10 U	10 U
Magnesium	35000 [2]	5000	120000	130000	110000	110000	120000	100000	110000	117000	111000	113000	115000	115000	120000
Manganese	300 [3]	15	48	**120**	97	107	**104**	95	**85**	**87**	**166**	105	**90**	**83**	79
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	2.4 J	2 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium		5000	5100	6400	7100	4200	5000	3800	3900	3900	4040	7360	7450	4790	8310
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**44000**	**49000**	**47000**	**44000**	**45000**	**46000**	**44000**	**43900**	**46100**	**45900**	**50000**	**45900**	**50400**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	2 J	50 U	50 U	20 U
Vanadium		50	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
Zinc	2000	20	5.9 J	5.1 J	50 U	50 U	50 U	50 U	50 U	3 J	4 J	50 U	4 J	3 J	50 U
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B

Concentration Qualifiers:
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GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-2R (ug/l)											
			Jun-07	Nov-07	May-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	100 U	680	310	5100	750	610	950	100 U	470	1100	160	460
Antimony	3 [2]	60	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	**33**	12	10 U	10 U	14	16	19	15	15	9.2 J	18
Barium	1000	200	200 U	530	200 U	200 U	200 U	100 U	100 U	100 U	20 J	24 J	73 J	22 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.2 J	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Calcium		5000	210000	240000	210000	270000	230000	230000	260000	250000	250000	260000	270000	240000
Chromium	50	10	10 U	10 U	10 U	11	10 U	10 U	10 U	10 U	6.7 J	10 U	5.4 J	5.8 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	26	10 U	10 U	10 U	10 U	10 U	10 U	5.2 J	10 U
Iron	300 [3]	100	**1800**	**2300**	**1800**	**7800**	**2300**	**2300**	**2700**	**1900**	**2200**	**2700**	**1000**	**2200**
Lead	25	3	10 U	10 U	10 U	24	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	87000	95000	82000	98000	85000	87000	98000	92000	95000	99000	62000	92000
Manganese	300 [3]	15	**47**	**57**	**45**	**190**	**54**	**58**	**61**	**44**	**52**	**60**	**28**	**54**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	21	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2.1 J
Potassium		5000	9100	4100	3300	8500	3700	2900	3300	2300	3500	2900	5400	1900
Selenium	10	5	10 U	10 U	10 U	***100**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**54000**	**57000**	**41000**	**47000**	**54000**	**43000**	**49000**	**43000**	**47000**	**45000**	**40000**	**43000**
Thallium	0.5 [2]	10	*10 U	*10 U	**32**	10 U	10 U	20 U	20 U	20 U	20 U	20 U	11 J	20 U
Vanadium		50	10 U	10 U	10 U	10	10	10 U	10 U	10 U	10 U	2.1 J	10 U	10 U
Zinc	2000	20	10 U	13	10 U	120	20	20 U	20 U	20 U	8.2 J	12 J	14 J	11 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

Concentration Qualifiers:
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ug/l = micrograms per liter

Notes:
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TABLE 2
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GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-2R (ug/l)												
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	400	160	80 J	120	40 J	50 J	110	113	616	123	158	148	1370
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	15	13	14	14	12	13	19	15	16	17	16	19	20
Barium	1000	200	21 J	18 J	15	14	13	12	14	15	38	17	15	15	25
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	250000	220000	230000	230000	230000	210000	240000	224000	223000	235000	221000	231000	230000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	3 J	3 J	10 U	10 U	10 U	3 J	2 J	2 J	2 J	2 J	3 J
Iron	300 [3]	100	**2000**	**1600**	**1700**	**1700**	**1600**	**1600**	**1600**	**1740**	**2280**	**1600**	**1640**	**1900**	**3230**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	3 J	10 U	3 J	10
Magnesium	35000 [2]	5000	94000	87000	92000	84000	94000	79000	93000	96400	85100	90800	85000	90700	86700
Manganese	300 [3]	15	**49**	**44**	**43**	**46**	**42**	**40**	**42**	**43**	**55**	**44**	**43**	**48**	**89**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	25 U	25 U	25 U	25 U	25 U	25 U	2.8 J	25 U	25 U	25 U	25 U
Potassium		5000	3000	2900	2400 J	2200 J	2600	2100	2400	2350 J	2400 J	2980	2340 J	2490 J	2720
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**47000**	**44000**	**49000**	**44000**	**46000**	**46000**	**47000**	**45800**	**45500**	**51600**	**46700**	**48100**	**49400**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J
Zinc	2000	20	7.8 J	6.1 J	8 J	50 U	50 U	50 U	50 U	5 J	8 J	5 J	3 J	5 J	11 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B

Concentration Qualifiers:
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ug/l = micrograms per liter

Notes:
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TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-4S (ug/l)											
			Jun-07	Nov-07	May-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Antimony	3 [2]	60	11	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	29 J	29 J	33 J	29 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.4 J
Calcium		5000	71000	66000	66000	66000	73000	73000	78000	74000	75000	76000	78000	69000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.1 J	5.8 J	10 U	8.1 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7.4 J
Copper	200	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	210	**310**	82	**600**	88	160	50 U	110	270	170	170	64
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	150000	130000	130000	140000	140000	140000	150000	140000	150000	150000	160000	130000
Manganese	300 [3]	15	160	81	130	**54**	57	31	19	32	89	34	130	8 J
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Potassium		5000	6300	5500	4600	5300	4800	4400	4200	4100	5000	4900	4300	5500
Selenium	10	5	10 U	10 U	10 U	***40**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**54000**	**53000**	**39000**	**52000**	**59000**	**49000**	**50000**	**47000**	**50000**	**48000**	**45000**	**46000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	4.7 J	20 U	20 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

Concentration Qualifiers:
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GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-4S (ug/l)												
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	400	100 U	30 J	100 U	10 U	100 U	100 U	100 U	55 J	100 U	100 U	100 U	100 U
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	3 J	5 U	5 U	4 J
Barium	1000	200	39 J	27 J	26	23	25	22	26	23	25	26	24	26	25
Beryllium	3 [2]	5	0.22 J	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	73000	68000	64000	66000	68000	64000	75000	63500	70400	68900	70800	68100	70800
Chromium	50	10	5.4 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	8.7 J	10 U	2 J	2 J	10 U	10 U	2 J	3 J	2 J	10 U	10 U	10 U	10 U
Iron	300 [3]	100	**2200**	**390**	180	40 J	40 J	140 J	70	166	83	238	74	**414**	124
Lead	25	3	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
Magnesium	35000 [2]	5000	140000	140000	130000	120000	140000	130000	150000	142000	141000	138000	143000	139000	140000
Manganese	300 [3]	15	**210**	80	98	23	45	60	47	33	19	39	24	43	26
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	4.5 J	10 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium		5000	7000	4700	3400	3800	3600	3400	3500	3700	3560	4520	3450	3870	3630
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**49000**	**50000**	**47000**	**48000**	**47000**	**49000**	**50000**	**50100**	**50300**	**55300**	**50100**	**51600**	**50400**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium		50	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
Zinc	2000	20	23	20 U	50 U	50 U	50 U	50 U	50 U	50 U	2 J	5 U	50 U	3 J	50 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

Concentration Qualifiers:
B - The reported value is less than the CRDL, but greater than or equal to the IDL.
U - The analyte was analyzed, but not detected.
Qualifiers for Specified Entries:
E - The reported value is estimated due to the presence of interference(s).
J - The value is being reported as estimated based on the findings of the Data Usability Summary Report
L - Based on the DUSR, these values are based on an elevated detection limit due to the copresence in the
I - Matrix Interference
* = The result of a calibration blank associated with this analysis was greater than the established control
Concentration is greater than GA St
ug/l = micrograms per liter

Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
(2) The value shown is a guidance value.
(3) The sum of iron and manganese shall be less than
SP - Submersible Pump with Dedicated Tubing
PP - Peristaltic Pump with Dedicated Tubing
B - Bailer (Either Dedicated or Disposable)

TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-4D (ug/l)											
			Jun-07	Nov-07	May-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	100 U	850	3000	200	300	110	240	230	180	140 J	920	280 J
Antimony	3 [2]	60	21	10 U	10 U	10 U	24	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	35 J	23 J	33 J	24 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.23 J	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U
Calcium		5000	130000	230000	210000	190000	150000	130000	190000	230000	160000	200000	220000	200000
Chromium	50	10	12	10 U	10 U	32	10 U	10 U	10 U	10 U	14	9.1 J	8.8 J	29 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U	11	10 U	10 U	10 U	10 U
Iron	300 [3]	100	78	**990**	**4200**	290	290	98	290	**3000**	230	280	**810**	**330**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	390000	350000	330000	350000	310000	350000	380000	340000	390000 E	340000	400000	360000
Manganese	300 [3]	15	48	**200**	**210**	110	66	39	59	**16**	80	63	**150**	76
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	16	10 U	11	10	10 U	10 U	10 U	10 U	4.3 J	5.3 J	6.2 J	5.9 J
Potassium		5000	1700	9600	1700	19000	18000	15000	11000	8600	1600	8100	14000	18000
Selenium	10	5	10 U	10 U	10 U	***86**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**160000**	**120000**	**120000**	**130000**	**120000**	**120000**	**130000**	**120000**	**120000**	**120000**	**120000**	**120000**
Thallium	0.5 [2]	10	12	10 U	36	10 U	10 U	20 U	20 U	20 U	20 U	20 U	14 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Zinc	2000	20	100	10 U	37	11	17 U	20 U	20 U	24	5.2	7 J	12 J	5.1 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

Concentration Qualifiers:
B - The reported value is less than the CRDL, but greater than or equal to the IDL.
U - The analyte was analyzed, but not detected.
Qualifiers for Specified Entries:
E - The reported value is estimated due to the presence of interference(s).
J - The value is being reported as estimated based on the findings of the Data Usability Summary Report
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I - Matrix Interference
* = The result of a calibration blank associated with this analysis was greater than the established control
Concentration is greater than GA Standards
ug/l = micrograms per liter

Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
(2) The value shown is a guidance value.
(3) The sum of iron and manganese shall be less than 500 ug/l.
SP - Submersible Pump with Dedicated Tubing
PP - Peristaltic Pump with Dedicated Tubing
B - Bailer (Either Dedicated or Disposable)

TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-4D (ug/l)												
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	120	190	700	250	2700	60 J	1500	2470	287	131	302	242	88 J
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	2 J	3 J	5 U	3 J	5 U	3 J	2 J	5 U	3 J	2 J
Barium	1000	200	24 J	21 J	57	33	61	17	27	36	21	23	19	17	15
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	180000	180000	170000	160000	200000	180000	210000	219000	208000	148000	192000	207000	207000
Chromium	50	10	10 U	4.7 J	10 U	10 U	10 U	10 U	4 J	5 J	10 U	10 U	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	3 J	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	6 J	3 J	16	90 J	12	16	4 J	4 J	6 J	3 J	3 J
Iron	300 [3]	100	97	200	**1200**	**460**	**3900**	120	**2200**	**3620**	**410**	220	**337**	**378**	223
Lead	25	3	10 U	10 U	3 J	10 U	5 J	10 U	10 U	5 J	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	320000	340000	280000	270000	340000	300000	340000	409000	374000	296000	333000	375000	355000
Manganese	300 [3]	15	45	60	**55**	**119**	**208**	39	**167**	**197**	**132**	29	80	106	131
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	4.8 J	4.8 J	5 J	7 J	9 J	5 J	9 J	8 J	5 J	4 J	6 J	5 J	4 J
Potassium		5000	12000	19000	7900	8900	9800	7000	8200	6860	6820	6820	7270	6960	7890
Selenium	10	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**120000**	**110000**	**110000**	**110000**	**110000**	**110000**	**120000**	**107000**	**109000**	**112000**	**111000**	**113000**	**120000**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium		50	10 U	10 U	1 J	10 U	5 J	10 U	3 J	4 J	10 J	10 J	10 U	10 U	10 U
Zinc	2000	20	4.4 J	7 J	11 J	9 J	18 J	50 U	11 J	16 J	5 J	4 J	5 J	5 J	5 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B

Concentration Qualifiers:
B - The reported value is less than the CRDL, but greater than or equal to the IDL.
U - The analyte was analyzed, but not detected.
Qualifiers for Specified Entries:
E - The reported value is estimated due to the presence of interference(s).
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* = The result of a calibration blank associated with this analysis was greater than the established control
Concentration is greater than GA St
ug/l = micrograms per liter

Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
(2) The value shown is a guidance value.
(3) The sum of iron and manganese shall be less than 5
SP - Submersible Pump with Dedicated Tubing
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B - Bailer (Either Dedicated or Disposable)

TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-5S (ug/l)											
			Jun-07	Nov-07	May-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Antimony	3 [2]	60	11	10 U	10 U	10 U	13	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	13	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	26 J	27 J	36 J	30 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Calcium		5000	87000	77000	84000	65000	90000	85000	96000	83000	90000	88000	85000	70000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.2 J	4.5 J	7.9 J	10 U
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25	10 U	10 U	16	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.8 J	10 U
Iron	300 [3]	100	**330**	170	280	160	150	50 U	**310**	210	270	260	24	50 U
Lead	25	3	10 U	10 U	10 U	10 U	18	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	170000	140000	160000	130000	170000	160000	180000	150000	160000	160000	160000	120000
Manganese	300 [3]	15	97	69	82	57	78	85	83	73	83	94	10 U	13
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Potassium		5000	6800	7700	5400	7000	6400	4800	5100	4700 JH	5100	5100	5700	5300
Selenium	10	5	10 U	10 U	10 U	***36**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**46000**	**40000**	**38000**	**31000**	**50000**	**37000**	**42000**	**34000**	**37000**	**37000**	**33000**	**28000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	14 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	10 U	20	20 U	20 U	20 U	5.8 J	4.2 J	14 J	20 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

Concentration Qualifiers:

B - The reported value is less than the CRDL, but greater than or equal to the IDL.

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Qualifiers for Specified Entries:

E - The reported value is estimated due to the presence of interference(s).

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L - Based on the DUSR, these values are based on an elevated detection limit due to the copresence in the equipment blank.

I - Matrix Interference

* = The result of a calibration blank associated with this analysis was greater than the established control limit.

Concentration is greater than GA Standards

ug/l = micrograms per liter

Notes:

(1) The CRDL shown is the Contract Required Detection Limit per ASP.

(2) The value shown is a guidance value.

(3) The sum of iron and manganese shall be less than 500 ug/l.

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TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-5S (ug/l)												
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	100 U	NS	100 U	100 U	40 J	10 U	20 J	100 U	34 J	34 J	10 U	38 J	32 J
Antimony	3 [2]	60	10 U	NS	50 U	23 J	50 U	50 U	50 U	15 J	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	NS	5 U	5 U	5 U	5 U	3 J	5 U	5 U	5 U	2 J	2 J	5 U
Barium	1000	200	28 J	NS	29	34	33	34	32	34	32	46	40	60	63
Beryllium	3 [2]	5	10 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U
Calcium		5000	75000	NS	73000	91000	99000	100000	120000	102000	112000	139000	141000	180000	183000
Chromium	50	10	4.9 J	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt		50	10 U	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	NS	4 J	4 J	5 J	6 J	5 J	8 J	6 J	5 J	7 J	5 J	6 J
Iron	300 [3]	100	50 U	NS	50 U	30 J	160	140	50	63	60	87	16 J	114	43 J
Lead	25	3	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	140000	NS	140000	150000	190000	170000	200000	195000	200000	234000	247000	318000	309000
Manganese	300 [3]	15	3.8 J	NS	5 J	25 J	45	96	25	8 J	4 J	20	11	14	8 J
Mercury	0.7	0.2	0.2 U	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	NS	25 U	25 U	4 J	25 U	25 U	2 J	3 J	3 J	3 J	2 J	25 U
Potassium		5000	4800	NS	3600	4400	4600	4900	4700	5220	4820	7800	5340	8260	8240
Selenium	10	5	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	NS	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**34000**	NS	**33000**	**36000**	**47000**	**50000**	**54000**	**53200**	**63900**	**98700**	**120000**	**192000**	**244000**
Thallium	0.5 [2]	10	20 U	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium		50	10 U	NS	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	20 U	NS	50 U	8 J	16 J	13 J	50 U	6 J	4 J	3 J	3 J	4 J	3 J
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

Concentration Qualifiers:

B - The reported value is less than the CRDL, but greater than or equal to the IDL.

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Qualifiers for Specified Entries:

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Concentration is greater than GA Standards

ug/l = micrograms per liter

Notes:

(1) The CRDL shown is the Contract Required Detection Limit per ASP.

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TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-5D (ug/l)											
			Jun-07	Nov-07	Jun-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	100 U	170	300	100 U	720	130	110	3000 U	150	500	2700	140
Antimony	3 [2]	60	11	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	19 J	19 J	39 J	23 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.28 J	0.21 J
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.3 J
Calcium		5000	120000	140000	150000	160000	160000	180000	190000	200000	190000	220000	230000	220000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10	5.2 J	11	7.4 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6.2 J
Copper	200	25	10 U	10 U	10 U	10 U	10	10 U	10 U	10	10 U	10 U	6.4 J	11 J
Iron	300 [3]	100	95	170	**370**	75	**860**	140	170	**4000**	190	**500**	**2600**	160
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	170000	170000	160000	180000	160000	180000	180000	190000	200000	220000	220000	230000
Manganese	300 [3]	15	20	10 U	45	190	**13**	14	10 U	**110**	9.4 J	**11**	**80**	14
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.071 J	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	15	11	10 U	10 U	10 U	2.6 J	3 J	5.7 J	6.6 J
Potassium		5000	3900	8400	8500	8200	9500	8900	1100 U	1100 JH	12000	9500	12000	15000
Selenium	10	5	10 U	10 U	10 U	***66**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**74000**	**76000**	**61000**	**64000**	**79000**	**64000**	**69000**	**65000**	**68000**	**70000**	**67000**	**72000**
Thallium	0.5 [2]	10	12	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	12 J	20 J
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.2 J	10 J
Zinc	2000	20	10 U	10 U	10 U	10 U	19	20 U	20 U	21	20 U	7.6 J	15 J	4.7 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

Concentration Qualifiers:
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Qualifiers for Specified Entries:
E - The reported value is estimated due to the presence of interference(s).
J - The value is being reported as estimated based on the findings of the Data Usability Summary
L - Based on the DUSR, these values are based on an elevated detection limit due to the copresence in
I - Matrix Interference
* = The result of a calibration blank associated with this analysis was greater than the established
Concentration is greater than GA Standards
ug/l = micrograms per liter

Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
(2) The value shown is a guidance value.
(3) The sum of iron and manganese shall be less than 500 ug/l.
SP - Submersible Pump with Dedicated Tubing
PP - Peristaltic Pump with Dedicated Tubing
B - Bailer (Either Dedicated or Disposable)

TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-5D (ug/l)												
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	290	NS	140	100 U	560	40 J	30 J	51 J	85 J	100 U	100 U	100 U	679
Antimony	3 [2]	60	10 U	NS	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	NS	5 U	3 J	5 U	5 U	2 J	5 U	4 J	4 J	3 J	3 J	4 J
Barium	1000	200	23 J	NS	55	8 J	18	55	16	13	26	15	22	17	62
Beryllium	3 [2]	5	10 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	190000	NS	160000	79000	200000	150000	220000	184000	208000	213000	227000	226000	268000
Chromium	50	10	6.2 J	NS	10 U	10 U	10 U	10 U	10 J	10 U	10 U	5 J	10 U	10 U	9 J
Cobalt		50	10 U	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	6 J	NS	3 J	10 U	5 J	10 U	3 J	4 J	3 J	3 J	3 J	2 J	9 J
Iron	300 [3]	100	220	NS	140	80	**1100**	110	20 J	92	298	232	14 J	69	**4840**
Lead	25	3	10 U	NS	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J
Magnesium	35000 [2]	5000	200000	NS	4400	170000	220000	150000	220000	234000	205000	233000	197000	232000	184000
Manganese	300 [3]	15	11	NS	3 J	10 U	**158**	6 J	18	6 J	10	38	6 J	13	**93**
Mercury	0.7	0.2	0.2 U	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	4.6 J	NS	25 U	25 U	7 J	25 U	7 J	3 J	4 J	5 J	4 J	3 J	6 J
Potassium		5000	12000	NS	4700	9200	7500	6500	9300	7220	8640	10200	8360	9010	11500
Selenium	10	5	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	NS	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**65000**	NS	**26000**	**59000**	**65000**	**65000**	**84000**	**68000**	**208000**	**128000**	**179000**	**136000**	**388000**
Thallium	0.5 [2]	10	20 U	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium		50	10 U	NS	10 U	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	4.5 J	NS	41 J	11 J	1880	13 J	50 U	16 J	87 J	20 J	10 J	15 J	833
Purge Method			B	B	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

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* = The result of a calibration blank associated with this analysis was greater than the established
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Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
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SP - Submersible Pump with Dedicated Tubing
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TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-5R (ug/l)											
			Jun-07	Nov-07	May-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	100 U	230	100 U	360	100 U	300	140	180	190	150	76 J	150
Antimony	3 [2]	60	12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	**52**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	19 J	19 J	26 J	21 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.23 J	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Calcium		5000	570000	540000	520000	540000	530000	580000	570000	570000	550000	580000	500000	450000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	11	10 U	10 U	10 U	10 U	6.6 J	10 U
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6.1 J	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	51	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	**1000**	**1200**	**1000**	**1500**	**910**	**1400**	**1100**	**1300**	**1100**	**1100**	**650**	**1100**
Lead	25	3	10 U	10 U	10 U	14	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	95000	88000	90000	90000	92000	100000	100000	96000	93000	98000	100000	100000
Manganese	300 [3]	15	**35**	**36**	**34**	**66**	**43**	**42**	**32**	**36**	**34**	**35**	**31**	**37**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.29	0.20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	14	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Potassium		5000	*11000	9900	10000	7900	10000	7400	7800	6400 JH	8600	6600	7400	6300
Selenium	10	5	10 U	10 U	10 U	***170**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**86000**	**78000**	**65000**	**60000**	**88000**	**66000**	**69000**	**58000**	**62000**	**62000**	**57000**	**66000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	**83**	10 U	**39**	20 U	20 U	20 U	20 U	15 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	12	10 U	85	24	20 U	20 U	20 U	20 U	9 J	11 J	7.2 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

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Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
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TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-5R (ug/l)												
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	68 J	NS	1300	2100	570	2400	410	1180	378	288	392	380	1020
Antimony	3 [2]	60	10 U	NS	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	NS	2 J	8	5 U	5 U	4 J	5 U	5 U	5 U	5 U	5	4 J
Barium	1000	200	21 J	NS	43	70	23	49	30	59	22	25	15	22	30
Beryllium	3 [2]	5	10 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U
Calcium		5000	570000	NS	260000	310000	480000	420000	530000	392000	476000	536000	479000	494000	468000
Chromium	50	10	10 U	NS	3.8 J	6.6 J	10 U	5 J	2 J	3 J	10 U	2 J	10 U	10 U	5 J
Cobalt		50	10 U	NS	20 U	20 U	20 U	50 U	20 U	2 J	2 J	20 U	20 U	20 U	2 J
Copper	200	25	10 U	NS	10	14	4 J	9 J	3 J	5 J	4 J	3 J	4 J	3 J	6 J
Iron	300 [3]	100	**950**	NS	**3600**	**7800**	**1400**	**6000**	**1200**	**3550**	**1570**	**2920**	**1150**	**1760**	**6760**
Lead	25	3	10 U	NS	7 J	14	3 J	5 J	10 J	5 J	3 J	10 U	10 U	7 J	6 J
Magnesium	35000 [2]	5000	98000	NS	53000	61000	90000	72000	84000	74200	78700	85100	80100	89200	78400
Manganese	300 [3]	15	**32**	NS	**87**	**187**	**68**	**142**	**63**	**81**	**51**	**77**	**43**	**55**	**113**
Mercury	0.7	0.2	0.2 U	NS	0.2 U	0.13 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	NS	7 J	10 J	25 U	10 J	4 J	4 J	3 J	25 U	25 U	25 U	3 J
Potassium		5000	7200	NS	8600	8800	8000	7700	7800	7970	7040	8900	6070	6770	8380
Selenium	10	5	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J
Silver	50	10	10 U	NS	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**67000**	NS	**120000**	**110000**	**130000**	**86000**	**180000**	**288000**	**288000**	**184000**	**176000**	**146000**	**390000**
Thallium	0.5 [2]	10	20 U	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium		50	10 U	NS	3 J	6 J	1 J	4 J	1 J	10 U	10 U	10 U	10 U	10 U	2 J
Zinc	2000	20	20 U	NS	17 J	27 J	9 J	22 J	9 J	14 J	9 J	11 J	6 J	11 J	16 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B

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ug/l = micrograms per liter

Notes:
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TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-7S (ug/l)											
			Jun-07	Nov-07	May-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	56 J	100 U
Antimony	3 [2]	60	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	23	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 J	10 J
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	200 U	100 U	100 U	55 J	65 J	52 J	56 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.3 J	1.1 J
Calcium		5000	55000	72000	51000 U	61000	51000	68000	69000	74000	64000	72000	63000	72000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5.7 J	10 U	6.3 J	6.5 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	**1200**	**1700**	**1200**	**2500**	**1800**	**2100**	**690**	**1100**	**2100**	**960**	**3600**	**1100**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	21000	27000	23000	23000	19000	25000	31000	39000	30000	37000	19000	28000
Manganese	300 [3]	15	**620**	**430**	**440**	**540**	**720**	**560**	**490**	**540**	**470**	**420**	**500**	**420**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Potassium		5000	1800	2500	1400	2200	1500	2300	1600	2200 JH	2300	2100	2600	2500
Selenium	10	5	10 U	10 U	10 U	***25**	**13**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	7300	9800	6600	5800	9500	7000	11000	12000	16000	14000	12000	13000
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	14 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	10 U	11	20 U	20 U	20 U	20 U	20 U	4.6 J	20 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

Concentration Qualifiers:
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Notes:
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ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-7S (ug/l)												
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	100 U	84 J	100 U	100 U	10 U	100 U	10 U	100 U	100 U	100 U	100 U	100 U	100 U
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	50 U	50 U	41 J	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	5 U	5 U	5 U	3 J	5 U	4 J	2 J	5 U	5 U	3 J
Barium	1000	200	53 J	52 J	56	50	62	62	58	59	50	38	48	47	63
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	62000	68000	57000	67000	59000	64000	65000	65700	54200	55600	55700	59400	60500
Chromium	50	10	4.6 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	2 J
Iron	300 [3]	100	**960**	**1100**	**590**	**460**	**1200**	**340**	**580**	**414**	**444**	**446**	**315**	**551**	**218**
Lead	25	3	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
Magnesium	35000 [2]	5000	31000	29000	33000	30000	34000	27000	31000	32400	25900	14000	26300	21300	32600
Manganese	300 [3]	15	**400**	**510**	**359**	**441**	**404**	**303**	**487**	**362**	**311**	**370**	**232**	**361**	**291**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Potassium		5000	2200	3000	1400 J	1900 J	1800 J	2100 J	1800 J	2200 J	1660 J	23600 J	1630 J	2100 J	1870 J
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	11000	10000	12000	12000	**21000**	16000	16000	14000	11300	9640	12200	11000	17500
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium		50	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
Zinc	2000	20	20 U	4.6 J	50 U	50 U	20 U	50 U	50 U	2 J	50 U	2 J	50 U	2 J	50 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

Concentration Qualifiers:
B - The reported value is less than the CRDL, but greater than or equal to the IDL.
U - The analyte was analyzed, but not detected.
Qualifiers for Specified Entries:
E - The reported value is estimated due to the presence of interference(s).
J - The value is being reported as estimated based on the findings of the Data Usability Summary Report
L - Based on the DUSR, these values are based on an elevated detection limit due to the copresence in the
I - Matrix Interference
* = The result of a calibration blank associated with this analysis was greater than the established control
Concentration is greater than GA Sta
ug/l = micrograms per liter

Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
(2) The value shown is a guidance value.
(3) The sum of iron and manganese shall be less than 5
SP - Submersible Pump with Dedicated Tubing
PP - Peristaltic Pump with Dedicated Tubing
B - Bailer (Either Dedicated or Disposable)

TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-8S (ug/l)											
			Jun-07	Nov-07	May-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	100 U	470	100 U	100 U	100 U	190	100 U	200	330	100 U	62 J	110
Antimony	3 [2]	60	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	49 J	62 J	54 J	55 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.1 J	10 U
Calcium		5000	10 U	51000	54000 U	52000	56000	56000	63000	61000	59000	59000	72000	62000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6.5 J	7.8 J	4.6 J
Cobalt		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5.3 J	8.2 J
Iron	300 [3]	100	50 U	**360**	63	50 U	50 U	150	10 U	230	210	50 U	61	**370**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	83000	67000	75000	77000	81000	81000	93000	84000	84000	82000	110000	92000
Manganese	300 [3]	15	10 U	27	10 U	25	10 U	35	10 U	10 U	3.4 J	3.0 J	3.1 J	**79**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4.1 J
Potassium		5000	6000	5400	4600 U	5000	5100	4200	4700	4300 JH	4400	4000	5500	5500
Selenium	10	5	10 U	10 U	10 U	***29**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**34000**	**48000**	**27000**	**31000**	**34000**	**28000**	**30000**	**28000**	**26000**	**28000**	**30000**	**28000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	15 J	20 U
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	8.6 J	20 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

Concentration Qualifiers:
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Qualifiers for Specified Entries:
E - The reported value is estimated due to the presence of interference(s).
J - The value is being reported as estimated based on the findings of the Data Usability Summary
L - Based on the DUSR, these values are based on an elevated detection limit due to the copresence in
I - Matrix Interference
* = The result of a calibration blank associated with this analysis was greater than the established
Concentration is greater than GA Standards
ug/l = micrograms per liter

Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
(2) The value shown is a guidance value.
(3) The sum of iron and manganese shall be less than 500 ug/l.
SP - Submersible Pump with Dedicated Tubing
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TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-8S (ug/l)												
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	550	100 U	100 U	100 U	220	100 U	170	100 U	186	48	100 U	103	100 U
Antimony	3 [2]	60	10 U	10 U	50 U	25 J	26 J	50 U	17 J	12 J	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	3 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J
Barium	1000	200	50 J	66 J	41	52	51	53	59	53	55	60	48	59	48
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J	5 U	5 U
Calcium		5000	62000	59000	50000	54000	56000	53000	58000	55100	56700	52500	56900	58400	55600
Chromium	50	10	6.2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	5.3 J	6.4 J	4 J	3 J	4 J	3 J	5 J	3 J	5 J	4 J	4 J	5 J	3 J
Iron	300 [3]	100	**340**	130	20	20	220	50 U	220	11 J	231	99	24 J	191	43 J
Lead	25	3	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	92000	82000	80000	80000	85000	74000	78000	81000	82600	79900	82200	83600	88000
Manganese	300 [3]	15	7.1 J	14	10 U	4 J	8 J	10 U	12	10 U	8 J	9 J	10 U	10 J	3 J
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	2.7 J	3 J	25 U	25 U	25 U	25 U	4 J	25 U	25 U	2 J	25 U	25 U	25 U
Potassium		5000	5000	4900	3500	3700	4200	3700	3500	3840	3720	4550	3620	4010	4340
Selenium	10	5	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
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**33000**	**31000**	**28000**	**30000**	**32000**	**33000**	**37000**	**31500**	**35500**	**35400**	**32400**	**35900**	**34000**
Thallium	0.5 [2]	10	10 J	20 J	20 U	20 U	20 U	20 U	20 U	20 U	20 U	4 J	20 U	20 U	20 U
Vanadium		50	10 U	10 U	10 U	1 J	10 U	10 U	1 J	10 J	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	20 U	5 J	50 U	50 U	50 U	50 U	50 U	3 J	3 J	50 J	50 U	2 J	50 U
Purge Method			PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP

Concentration Qualifiers:
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Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
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TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-8D (ug/l)											
			Jun-07	Nov-07	May-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	730	220	1400	2100	100 U	100 U	1200	100 U	200	140	1000	510
Antimony	3 [2]	60	12	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	**140**	10 U	10 U	10 U	10 U	10 U	10 U	5.4 J	4.1 J	8 J	8.6 J
Barium	1000	200	200 U	200 U	200 U	370	200 U	100 U	100 U	100 U	130	40 J	52 J	53 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.22 J	0.2 J
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.5 J
Calcium		5000	78000	60000	60000	270000	56000	58000	86000	65000	93000	74000	82000	74000
Chromium	50	10	10 U	10 U	10 U	37	10 U	10 U	10 U	10 U	12	5.5 J	7.8 J	8 J
Cobalt		50	10 U	10 U	10 U	15	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7 J
Copper	200	25	10 U	10 U	13	48	10 U	10 U	10 U	10 U	6 J	10 U	10 U	10 U
Iron	300 [3]	100	**1100**	250	**2600**	**3500**	50 U	85	**1700**	200	**320**	160	**910**	**720**
Lead	25	3	10 U	10 U	**30**	15	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	150000	130000	120000	210000	81000	140000	170000	150000	150000	160000	180000	160000
Manganese	300 [3]	15	**53**	13	**70**	**980**	10 U	10 U	**66**	11	110	16	**34**	**38**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	46	10 U	10 U	10 U	10 U	4.6 J	10 U	2 J	2.1 J
Potassium		5000	20000	18000	19000	24000	5100	16000	1800	16000 JH	22000	16000	18000	23000
Selenium	10	5	10 U	10 U	10 U	***97**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**63000**	**59000**	**47000**	**53000**	**34000**	**50000**	**55000**	**51000**	**52000**	**51000**	**53000**	**50000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	11 J	20 U
Vanadium		50	10 U	10 U	10 U	33	10 U	10 U	10 U	10 U	4.2 J	10 U	10 U	10 U
Zinc	2000	20	11	10 U	32	11	10 U	20 U	20 U	20 U	29	20 U	9.7 J	6 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

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Notes:
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TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-8D (ug/l)												
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	250	480	150	320	260	140	790	1070	3070	101	812	389	162
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	10 J	50 U	15 J	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	7 J	4.8 J	5 U	8	5 U	6	9	6	7	8	8	8	10
Barium	1000	200	43 J	48 J	6 J	45	32	32	52	42	78	35	40	39	36
Beryllium	3 [2]	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	74000	66000	500000	66000	54000	60000	78000	71000	98600	63500	76000	78800	70400
Chromium	50	10	4.7 J	4.1 J	10 J	10 U	10 U	10 U	2 J	3 J	6 J	10 J	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	2 J	20 J	20 U	20 U	20 U
Copper	200	25	10 U	10 U	5 J	3 J	10 J	10 U	4 J	10 U	9.8 J	10 J	3 J	3 J	10 U
Iron	300 [3]	100	270	**600**	**1300**	**640**	290	**360**	**1300**	**1580**	**4930**	215	**1120**	**728**	255
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	160000	140000	120000	140000	140000	130000	150000	147000	160000	150000	154000	161000	145000
Manganese	300 [3]	15	22	**30**	**25**	**31**	16	20	**60**	**54**	**163**	24	**52**	**53**	31
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	2.8 J	25 U	25 U	25 U	25 U	25 U	25 U	6 J	25 U	3 J	25 U	25 U
Potassium		5000	17000	17000	7300	14000	15000	12000	13000	11800	12000	12000	11800	11800	12700
Selenium	10	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**53000**	**50000**	**160000**	**52000**	**50000**	**48000**	**52000**	**49200**	**50700**	**50900**	**54000**	**52400**	**56400**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium		50	10 U	10 U	10 U	1 J	10 J	10 U	2 J	2 J	5 J	10 J	10 U	10 U	10 U
Zinc	2000	20	20 U	5.9 J	50 U	50 U	50 U	50 U	50 U	6 J	16 J	2 J	3 J	4 J	3 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B

Concentration Qualifiers:
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ug/l = micrograms per liter

Notes:
(1) The CRDL shown is the Contract Required Detection Limit per ASP.
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TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-8R (ug/l)											
			Jun-07	Nov-07	May-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	10 U	340	100 U	1500	100 U	100 U	240	160	160	100 U	61 J	200
Antimony	3 [2]	60	**16**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25	10	10 U	**46**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Barium	1000	200	200 U	200 U	200 U	200 U	200 U	100 U	100 U	100 U	17 J	15 J	20 J	20 J
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.23 J	0.3 J
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.2 J
Calcium		5000	520000	580000	510000	590000	530000	540000	600000	550000	550000	570000	600000	560000
Chromium	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5.7 J	7.3 J
Cobalt		50	11	10 U	10 U	10 U	10 U	10 U	10 U	10 U	7.8 J	10 U	10 U	10 U
Copper	200	25	10 U	10 U	10 U	27	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Iron	300 [3]	100	**1200**	**1600**	**1200**	**3700**	**1300**	**1300**	**1700**	**1600**	**1500**	**1300**	**1600**	**1400**
Lead	25	3	10 U	10 U	10 U	14	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Magnesium	35000 [2]	5000	130000	120000	120000	140000	120000	120000	140000	120000	130000	130000	140000	130000
Manganese	300 [3]	15	**22**	**32**	**20**	**97**	**35**	**17**	**24**	**24**	**25**	**20**	**23**	**26**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	10 U	15	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Potassium		5000	10000	9500	8700	9400	8100	8200	9700	7400 JH	11000	7800	9100	8500
Selenium	10	5	10 U	10 U	10 U	***220**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**180000**	**150000**	**160000**	**180000**	**180000**	**160000**	**180000**	**140000**	**160000**	**160000**	**160000**	**160000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	**110**	10 U	**26**	20 U	20 U	20 U	20 U	12 J	20 J
Vanadium		50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	10 U	10 U	10 U	100	22	20 U	20 U	20 U	5.4	4.8 J	5.7 J	6.2 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

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TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	MW-8R (ug/l)												
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	75 J	240	150	150	270	100 U	80 J	1050	58 J	216	70 J	69 J	158
Antimony	3 [2]	60	10 U	10 U	50 U	50 U	26 J	50 U	11 J	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	25	10	10 U	10 U	5 U	5 U	5 U	5 U	2 J	3 J	5 U	3 J	3 J	2 J	6
Barium	1000	200	17 J	18 J	6 J	7 J	9 J	6 J	7 J	13	7 J	9 J	7 J	7 J	7 J
Beryllium	3 [2]	5	10 U	0.2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	10 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium		5000	550000	540000	500000	490000	510000	460000	540000	524000	514000	493000	547000	548000	517000
Chromium	50	10	10 U	5.4 J	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U
Cobalt		50	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	200	25	10 U	10 U	5 J	3 J	3 J	4 J	3 J	3 J	10 U	3 J	4 J	2 J	10 J
Iron	300 [3]	100	**1300**	**1500**	**1300**	**1300**	**1500**	**1100**	**1100**	**2970**	**1180**	**1490**	**1240**	**1280**	**1340**
Lead	25	3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3 J	10 J
Magnesium	35000 [2]	5000	130000	130000	120000	110000	120000	100000	110000	129000	115000	120000	117000	127000	115000
Manganese	300 [3]	15	**19**	**27**	**25**	**26**	**38**	**17**	**19**	**67**	**18**	**37**	**23**	**23**	**26**
Mercury	0.7	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	40	10 U	10 U	25 U	25 U	25 U	25 U	25 U	3 J	25 U	25 U	25 U	25 U	25 U
Potassium		5000	8700	9300	7300	6900	7800	7000	7000	7420	7150	7850	6990	8300	8640
Selenium	10	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	4 J	10 U	10 U	10 U
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**170000**	**170000**	**160000**	**150000**	**160000**	**150000**	**160000**	**160000**	**162000**	**163000**	**165000**	**172000**	**180000**
Thallium	0.5 [2]	10	20 U	20 U	20 U	20 U	20 U	20 U	20 U	2 J	20 U	20 U	20 U	20 U	20 U
Vanadium		50	10 U	10 U	10 U	1 J	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U
Zinc	2000	20	20 U	6 J	50 U	50 U	50 U	50 U	50 U	8 J	50 U	6 J	50 U	3 J	3 J
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B

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TABLE 2
ANALYTICAL SUMMARY of POST-CLOSURE GROUNDWATER MONITORING
GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	LEACHATE COLLECTION MANHOLE (ug/l)											
			Jun-07	Nov-07	May-08	Dec-08	Apr-09	Dec-09	Apr-10	Dec-10	Jun-11	Dec-11	Jun-12	Dec-12
Aluminum		200	640	6600	1800	2100	690	5200	1300	3200	14000	410	8900	18000
Antimony	3 [2]	60	10 U	21	10 U	10 U	10 U	10 U	10 U	12	39	4.2 J	21	20
Arsenic	25	10	10 U	**79**	10 U	10 U	10 U	18	10 U	**38**	**150**	4.5 J	**74**	**110**
Barium	1000	200	200 U	610	200 U	210	200 U	780	140	290	**1100**	95 J	510	840
Beryllium	3 [2]	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.4 J	10 U	1.2 J	1.3 J
Cadmium	5	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**10** J	10 U	**6.4** J	**12**
Calcium		5000	70000	120000	76000	13000	60000	180000	82000	110000	260000	67000	170000	220000
Chromium	50	10	10 U	10 U	10 U	13	10 U	10 U	10 U	14	**53**	4 J	29	44
Cobalt		50	10 U	16	10 U	10 U	10 U	17	10 U	13	46	10 U	21	38
Copper	200	25	58	**1100**	120	**230**	61	**1300**	99	**350**	**2200**	36	**860**	**1800**
Iron	300 [3]	100	**8800**	**190000**	160	**3800**	**8700**	**75000**	**1800**	**74000**	**400000**	**6100**	**160000**	**290000**
Lead	25	3	12	**2300**	**49**	**70**	**25**	**340**	**35**	**110**	**670**	11	**290**	**610**
Magnesium	35000 [2]	5000	1600	13000	602000	6000	16000	15000	39000	22000	79000	39000	60000	42000
Manganese	300 [3]	15	**120**	**1300**	220	**580**	**150**	**1900**	**22**	**870**	**3100**	**200**	**1400**	**2700**
Mercury	0.7	0.2	0.2 U	**3.6**	0.6	0.6	0.2 U	**6.7**	0.31	**1.1**	**5.2**	0.2 U	**2.3**	**3.7**
Nickel	100	40	10 U	120	19	47	10 U	**130**	16	54	**230**	9.8 J	**120**	**280**
Potassium		5000	150000	120000	120000	120000	110000	67000	73000	65000 JH	53000	43000	82000	92000
Selenium	10	5	10 U	10 U	10 U	**31**	**15**	10 U	10 U	10 U	**18** J	10 U	10 U	10 U
Silver	50	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000	5000	**49000**	**43000**	**32000**	**34000**	**48000**	**29000**	**46000**	**33000**	**38000**	**29000**	**38000**	**31000**
Thallium	0.5 [2]	10	10 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	14 J	20 J
Vanadium		50	16	100	16	35	10 U	27	15	66	250	6.9 J	100	180
Zinc	2000	20	58	860	300	420	75	**4800**	220	490	**3100**	68	880	**2600**
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B

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GOULDS PUMPS, INC
MONITORING YEARS 2007-2019

Analyte	Groundwater (GA) Standard (ug/l)	CRDL [1] (ug/l)	LEACHATE COLLECTION MANHOLE (ug/l)												
			Jun-13	Oct-13	Jun-14	Dec-14	May-15	Nov-15	May-16	Dec-16	Apr-17	Dec-17	Apr-18	Dec-18	Apr-19
Aluminum		200	6000	4200	540	1100	30000	11000	8600	35800	1680	885	916	478	2440
Antimony	3 [2]	60	11	13	50 U	50 U	50 U	20 J	14 J	50 U	50 U	50 U	7 J	50 U	12 J
Arsenic	25	10	**34**	23	5	9	9	**35**	**43**	5 U	8	8	11	4 J	19
Barium	1000	200	320	270	107	133	**2380**	646	361	**1710**	117	109	106	97	189
Beryllium	3 [2]	5	0.54 J	0.37 J	5 U	5 U	2 J	5 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U
Cadmium	5	5	3.1 J	3.6 J	5 U	5 U	5 U	5 U	5 U	**8**	5 U	5 U	1 J	5 U	1 J
Calcium		5000	120000	130000	88000	82000	590000	200000	140000	544000	83300	74600	75100	72900	125000
Chromium	50	10	20	14	2.1 J	3.7 J	**80**	30	20	**72**	4 J	4 J	10 U	2 J	7 J
Cobalt		50	14	9.8 J	20 U	20 U	65	19 J	13 J	55	2 J	2 J	2 J	2 J	5 J
Copper	200	25	**510**	**270**	47	97	**5990**	**1390**	**627**	**3790**	79	73	103	46	**243**
Iron	300 [3]	100	**84000**	**47000**	**4800**	**10000**	**400**	**200000**	**86000**	**360000**	**12800**	**9700**	**19100**	**4080**	**31800**
Lead	25	3	**180**	**110**	19	**44**	**1270**	**355**	**201**	**951**	**32**	**29**	**30**	16	**93**
Magnesium	35000 [2]	5000	29000	20000	43000	25000	81000	43000	33000	38000	14200	7860	45700	25800	67600
Manganese	300 [3]	15	**790**	**810**	**143**	**293**	**6450**	**1660**	**888**	**4850**	**178**	**185**	**197**	**184**	**512**
Mercury	0.7	0.2	**1.1**	0.67	0.1 J	0.29	**15**	**1.72**	**1.34**	0.57	0.22	0.2 U	0.2 U	0.2 U	**0.8**
Nickel	100	40	69	47	9 J	16 J	**488**	**142**	**77**	**378**	13 J	14 J	16 J	8 J	37
Potassium		5000	110000	93000	55000	67000	28000	32000	44000	69800	72800	83200	37800	53200	32200
Selenium	10	5	10 U	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver	50	10	10 U	10 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	20000	5000	**56000**	**39000**	**33000**	**31000**	**26000**	**23000**	**29000**	**31600**	**31400**	**33000**	**37000**	**31500**	**35000**
Thallium	0.5 [2]	10	11 J	20 U	20 U	20 U	20 U	20 U	20 U	**3** J	20 U	20 U	20 U	20 U	20 U
Vanadium		50	54 J	40	8 J	14	134	111	60	116	11	11	17	8 J	31
Zinc	2000	20	510	310	53	107	**3940**	1100	699	**3370**	115	78	103	57	228
Purge Method			B	B	B	B	B	B	B	B	B	B	B	B	B

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TABLE 3
POST-CLOSURE GROUNDWATER MONITORING
PURGE LOGS
GOULDS PUMPS, INC.
April 2019

Date	Time	BOW	DTW	Cum. Vol. Purged (gal)	Temp. (^{0}C)	pH (s.u.)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Purging/ Sampling Method
MW-1S										
4/16/2019	1110	NM	NM	0.0	10.60	7.83	1.08	14.3	10.05	PP
4/16/2019	1122	NM	NM	1.0	10.83	7.81	1.05	2.2	11.70	PP
4/16/2019	1132	NM	NM	2.0	11.07	7.76	1.04	0.0	4.09	PP
4/16/2019	1142	NM	NM	3.0	10.86	7.77	1.05	0.0	3.41	PP
4/16/2019	1152	NM	NM	4.0	10.81	7.77	1.04	0.0	6.79	PP
4/16/2019	1202	NM	NM	5.0	10.88	7.73	1.04	0.0	10.27	PP
4/16/2019	1205	Collect sample **MW-1S** for TAL Metals.								
MW-2S										
4/16/2019	1020	NM	NM	0.0	10.59	7.80	0.997	9.9	13.21	PP
4/16/2019	1028	NM	NM	0.5	9.85	7.80	0.985	2.7	10.48	PP
4/16/2019	1035	NM	NM	1.0	9.19	7.84	0.987	0.7	9.36	PP
4/16/2019	1040	NM	NM	1.5	9.02	7.84	0.986	0.0	11.02	PP
4/16/2019	1046	NM	NM	2.0	9.28	7.86	0.985	0.0	10.84	PP
4/16/2019	1053	NM	NM	2.5	9.30	7.84	0.978	0.0	10.73	PP
4/16/2019	1055	Collect sample **MW-2S** for TAL Metals.								

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April 2019

Date	Time	BOW	DTW	Cum. Vol. Purged (gal)	Temp. (^{0}C)	pH (s.u.)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Purging/ Sampling Method
MW-2D										
4/15/2019	1635	NM	NM	0	7.66	6.93	1.34	41	10.84	B
4/15/2019	1639	NM	NM	1	7.83	6.99	1.30	36.8	10.73	B
4/15/2019	1641	NM	NM	2	7.90	7.28	1.29	23.6	10.51	B
4/15/2019	1643	NM	NM	3	7.92	7.43	1.23	14.9	10.46	B
4/15/2019	1649	NM	NM	4	8.63	7.48	1.22	73.4	10.39	B
4/15/2019	1655	NM	NM	5	8.77	7.57	1.21	64	10.32	B
4/15/2019	1657	Bailed well dry.								
4/16/2019	1010	NM	NM	0	10.61	7.64	1.18	28.5	10.96	B
4/16/2019	1015	Collect sample **MW-2D** for TAL Metals.								
MW-2R										
4/16/2019	850	81.60	22.57	0.0	9.37	8.49	1.50	17.3	7.72	B
4/16/2019	905	NM	NM	4.7	10.59	7.88	1.68	13.5	4.63	B
4/16/2019	918	NM	NM	9.5	11.13	7.67	1.69	49.2	4.55	B
4/16/2019	930	NM	NM	14.2	11.92	7.63	1.68	59.1	10.49	B
4/16/2019	940	NM	NM	19	12.08	7.64	1.66	127	10.52	B
4/16/2019	951	NM	NM	23.7	12.40	7.63	1.65	119	9.90	B
4/16/2019	1000	NM	NM	28.5	12.44	7.62	1.65	124	9.94	B
4/16/2019	1005	Collect sample **MW-2R** for TAL Metals.								

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April 2019

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MW-4S										
4/16/2019	1310	NM	NM	0.0	12.02	7.94	1.36	0.0	10.78	PP
4/16/2019	1315	NM	NM	0.5	10.08	7.73	1.39	0.0	6.99	PP
4/16/2019	1319	NM	NM	1.0	9.71	7.73	1.38	0.0	5.63	PP
4/16/2019	1324	NM	NM	1.5	9.62	7.66	1.37	0.0	11.37	PP
4/16/2019	1329	NM	NM	2.0	9.48	7.63	1.38	0.0	7.48	PP
4/16/2019	1334	NM	NM	2.5	9.56	7.59	1.37	0.0	10.84	PP
4/16/2019	1335	Collect sample **MW-4S** for TAL Metals.								
MW-4D										
4/15/2019	1650	NM	NM	0.0	7.16	7.28	1.74	19.4	2.25	B
4/15/2019	1655	NM	NM	2.5	8.00	8.06	2.30	60.7	9.09	B
4/15/2019	1700	NM	NM	5.0	9.18	7.38	2.71	149	4.07	B
4/15/2019	1709	NM	NM	7.0	9.62	7.30	3.29	316	7.99	B
4/15/2019	1710	Bailed well dry.								
4/16/2019	1340	NM	NM	0.0	10.44	7.42	3.2	282	4.55	B
4/16/2019	1340	Collect sample **MW-4D** for TAL Metals.								

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MW-5S										
4/16/2019	1250	18.24	4.41	0	12.29	7.75	3.87	21.6	8.13	PP
4/16/2019	1300	NM	NM	1	12.21	7.74	3.99	5.3	6.00	PP
4/16/2019	1311	NM	NM	2	12.41	7.33	4.07	0	3.63	PP
4/16/2019	1319	NM	NM	3	11.57	7.34	4.14	1.3	3.14	PP
4/16/2019	1325	NM	NM	4	11.69	7.36	4.22	1.4	4.06	PP
4/16/2019	1343	NM	NM	5	11.99	7.36	4.12	0.3	4.17	PP
4/16/2019	1344	Collect sample **MW-5S** for TAL Metals.								
MW-5D										
4/16/2019	1256	NM	NM	0	12.28	7.72	3.91	70.1	14.66	PP
4/16/2019	1302	NM	NM	1.0	12.21	7.62	3.94	97.5	13.53	PP
4/16/2019	1308	NM	NM	2.0	12.83	7.61	3.94	71.0	13.11	PP
4/16/2019	1314	NM	NM	3.0	13.01	7.6	3.93	50.0	13.02	PP
4/16/2019	1316	Collect sample **MW-5D** for TAL Metals.								
MW-5R										
4/16/2019	1323	80.89	14.28	0	12.45	7.46	7.69	141	13.05	B
4/16/2019	1334	NM	NM	5.5	12.74	7.49	7.69	289	12.83	B
4/16/2019	1402	NM	NM	11	13.24	7.44	7.04	159	7.31	B
4/16/2019	1414	NM	NM	16.5	12.88	7.35	4.93	184	14.21	B
4/16/2019	1428	NM	NM	22	12.80	7.28	3.71	137	6.14	B
4/16/2019	1439	NM	NM	27.5	12.67	7.35	3.75	268	5.84	B
4/16/2019	1450	NM	NM	33	12.42	7.36	3.51	201	9.01	B
4/16/2019	1453	Collect sample **MW-5R** for TAL Metals.								

TABLE 3
POST-CLOSURE GROUNDWATER MONITORING
PURGE LOGS
GOULDS PUMPS, INC.
April 2019

Date	Time	BOW	DTW	Cum. Vol. Purged (gal)	Temp. (^{0}C)	pH (s.u.)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Purging/ Sampling Method
MW-7S										
4/16/2019	1418	17.38	4.25	0	11.49	8.24	0.578	30.1	11.68	PP
4/16/2019	1428	NM	NM	0.5	10.79	8.06	0.494	8.0	4.09	PP
4/16/2019	1438	NM	NM	1.0	10.84	7.94	0.543	2.7	3.66	PP
4/16/2019	1448	NM	NM	1.5	10.73	7.92	0.598	0	10.57	PP
4/16/2019	1458	NM	NM	2.0	10.15	7.92	0.633	0	6.42	PP
4/16/2019	1500	Collect sample **MW-7S** for TAL Metals.								
MW-8S										
4/16/2019	0900	27.96	8.60	0	9.12	6.89	1.09	10.5	12.99	PP
4/16/2019	0905	NM	NM	0.5	9.55	7.04	1.08	7.1	8.88	PP
4/16/2019	0912	NM	NM	1.0	9.78	7.69	1.11	3.3	6.80	PP
4/16/2019	0916	NM	NM	1.5	9.44	7.71	1.06	1.3	7.16	PP
4/16/2019	0922	NM	NM	2.0	9.12	7.74	1.03	0.9	7.70	PP
4/16/2019	0926	NM	NM	2.5	9.02	7.68	1.02	0.5	5.90	PP
4/16/2019	0933	NM	NM	3.0	8.92	7.77	1.02	0	7.62	PP
4/16/2019	0936	Collect sample **MW-8S** for TAL Metals.								
MW-8D										
4/15/2019	1715	41.03	20.48	0	9.97	8.06	1.49	20.5	2.10	B
4/15/2019	1720	NM	NM	1.8	9.45	8.35	1.25	294	10.65	B
4/15/2019	1725	NM	NM	2.6	9.69	8.32	1.31	>1000	10.93	B
4/15/2019	1725	Bailed well dry.								
4/16/2019	1100	NM	NM	0	11.29	8.20	1.38	42.1	8.11	B
4/16/2019	1100	Collect sample **MW-8D** for TAL Metals.								

TABLE 3
POST-CLOSURE GROUNDWATER MONITORING
PURGE LOGS
GOULDS PUMPS, INC.
April 2019

Date	Time	BOW	DTW	Cum. Vol. Purged (gal)	Temp. (^{0}C)	pH (s.u.)	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Purging/ Sampling Method
MW-8R										
4/16/2019	0909	78.68	14.28	0	10.25	7.27	3.21	3.8	3.25	B
4/16/2019	0930	NM	NM	5	11.77	7.28	3.14	2.7	7.06	B
4/16/2019	0951	NM	NM	10.5	11.12	7.39	3.24	22	14.10	B
4/16/2019	1008	NM	NM	15.5	12.27	7.34	3.15	36.4	13.14	B
4/16/2019	1024	NM	NM	21	11.99	7.29	3.18	44.2	3.23	B
4/16/2019	1038	NM	NM	26.5	11.64	7.29	3.19	41.2	5.13	B
4/16/2019	1050	NM	NM	31.5	11.63	7.27	3.17	22.6	13.44	B
4/16/2019	1052	Collect sample **MW-8R** for TAL Metals.								

Notes:

BOW = Bottom of Well, feet below top of PVC well riser pipe.

DTW = Depth to Water, feet below top of PVC well riser pipe.

Cum. Vol. = Cumulative volume purged from well.

B =Dedicated Bailer.

PP =Peristaltic Pump.

EM =Equipment Malfunction.

NM =Not Measured

NA =Not Applicable

* Turbidity measured/recorded **after** sample collection using bailer; turbidity of sample aliquot may be significantly lower than that measured/recorded.

ATTACHMENT 1

Second Quarter 2019 Inspection Forms

Goulds Pumps, Inc.
Post-Closure Quarterly Inspection Form
Date of Inspection: April 15 2019

Weather Conditions: Overcast / rain
Temperature: 45º F
Wind Direction: W, SW

On-site Personnel: J. Duquette, E. Sousa

Inspection Checklist - Site Features

Landfill Component	Acceptable	Not Acceptable	Comments
Cap System:			
General condition [1]	X		
Vegetative cover [2]	X		On cap vegetation mowed to an acceptable length.
Surface Water Drainage System:			
General condition of swales [3]	X		Acceptable level of water in swales.
Vegetative cover [2]	X		
Culvert beneath railroad tracks [4]	X		Clear of debris
Access Roadway:			
General condition	X		
Access control gate	X		
General condition	X		
Operation/lock/chain	X		Lock and chain has been placed across access road by Goulds to prevent unauthorized access to the landfill.
Culvert [4]	X		
Access Control Fencing and Gate:			
General condition/alignment	X		Fence is in good condition.
Operation/lock/chain	X		
Adjacent Areas:			
General condition [1]	X		
Vegetative cover [2]	X		
Surface drainage [3]	X		Surface drainage appears satisfactory

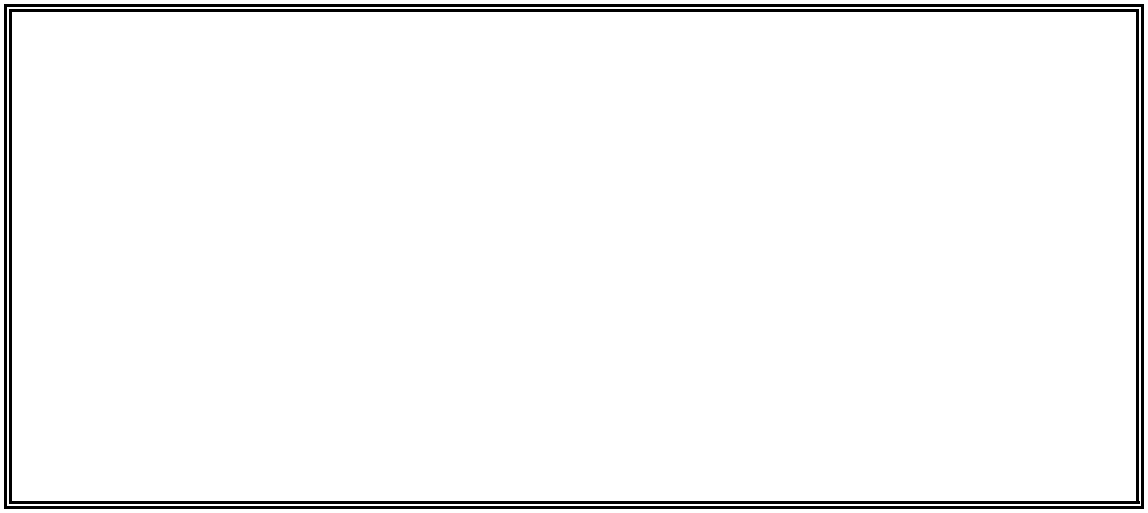
Notes:

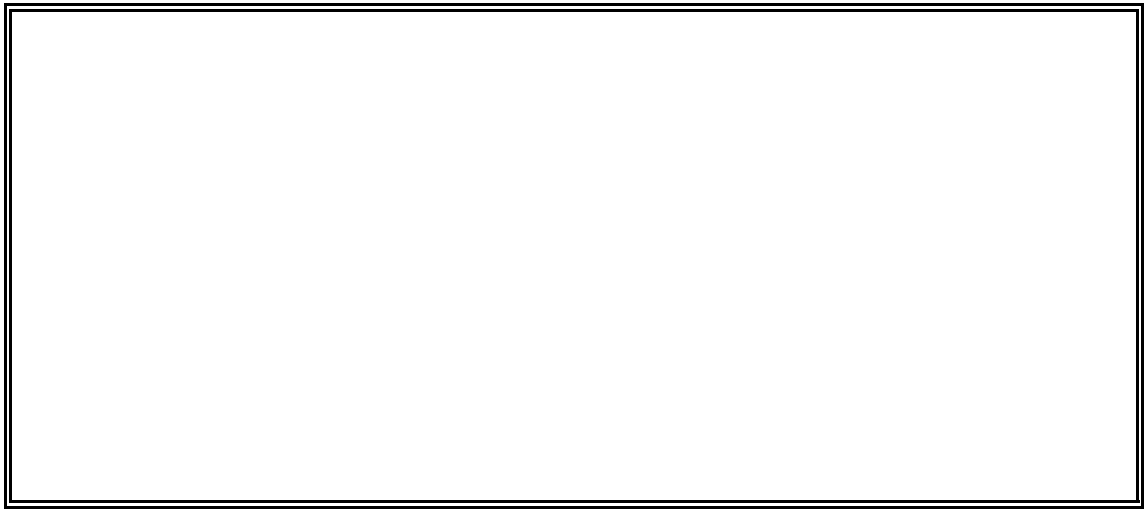
(1) Note areas of erosion, settlement, leachate breakthrough, and animal burrowing. Show on site sketch.
(2) Note bare areas and areas of unwanted intrusive vegetation. Show on site sketch.
(3) Note areas of ponding, erosion, sedimentation, and discoloration. Show on site sketch.
(4) Note damage, ponding, and erosion. Sketch if necessary.

Goulds Pumps, Inc.
Post-Closure Quarterly Inspection Form
Date of Inspection: April 15 2019

Goulds Pumps, Inc.
Post-Closure Quarterly Inspection Form
Date of Inspection: April 15 2019

Additional Sketches and Comments





Comments: None.

Comments: None.

Goulds Pumps, Inc.
Post-Closure Quarterly Inspection Form
Date of Inspection: April 15 2019

Inspection Checklist - Monitoring Features

Monitoring Wells:	MW-1S	MW-2S	MW-2D	MW-2R	MW-4S	MW-4D	MW-5S	MW-5D	MW-5R	MW-7S(*)	MW-8S	MW-8D	MW-8R
General condition/alignment [1]	A	A	A	A	A	A	A	A	A	A	A	A	A
Lock/Cap [1]	A	A	A	A	A	A	A	A	A	A	A	A	A
Depth to water (ft)	2.78	2.85	2.64	22.37	3.30	7.74	4.38	8.66	14.28	4.20	8.60	18.20	14.28
Time reading taken	1404	1352	1350	1348	1333	1335	1432	1434	1436	1426	1318	1315	1317
Piezometers:	P-1	P-2	P-4[3]	P-5[3]	P-6	P-7	P-8	P-9	P-10	P-11	P-12	P-13	
General condition/alignment [1]	A	A	-	-	A	A	A	A	A	A	A	A[5]	
Lock/Cap [1]	A[4,5]	A	-	-	A	A	A	A	A	A	A	A	
Condition of boot/strapping [1]	A	A	-	-	A	A	A	A	A	A	A	A	
Depth to water (ft)	13.91	DRY	-	-	8.05	8.02	DRY	8.48	29.55	NM	DRY	3.98	
Time reading taken	1358	1343	-	-	1418	1320	1237	1407	1341	1328	1323	1415	
							(2)						
Leachate Collection Manhole:	MH												
General condition [1]	A												
Cover [1]	A												
Condition of boot/strapping [1]	A												
Depth to water (ft)	15.93												
Time reading taken	1100												
Gas Vents:	GV-1	GV-2	GV-3	GV-4	GV-5	GV-6	GV-7	GV-8	GV-9	GV-10	GV-11		
General condition/alignment [1]	A	A	A	A	A	A	A	A	A	A	A		
Condition of boot/strapping [1]	A	A	A	A	A	A	A	A	A	A	A		
Explosive gas reading (%LEL)	0	0	0	0	0	0	0	0	0	0	0		
Time reading taken	1321	1324	1412	1329	1338	1410	1337	1355	1408	1356	1359		
Perimeter Monitoring of Gases:	UW-1	DW-1	DW-2										
Explosive gas reading (%LEL)	0	0	0										
Time reading taken	1351	1335	1405										

Note (1): Respond to question as either Acceptable (A) or Not Acceptable (NA) for each respective location.

(2): Frost heave has elevated concrete collar. Not a sampling point so acceptable.

(3): P-4 and P-5 were decommissioned.

(4): Cap hinge broken

(5): PVC procasing damaged, needs repair

(*): In locked fence area

ATTACHMENT 2

Summary Data Packages – Alpha Analytical

ANALYTICAL REPORT

Lab Number:	L1915849
Client:	Arcadis U.S, Inc. 855 Route 146, Suite 210 Clifton Park, NY 12065
ATTN:	Elias Moskal
Phone:	(518) 250-7300
Project Name:	GOULDS LANDFILL
Project Number:	01257117.2019
Report Date:	04/24/19

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019

Lab Number: L1915849
Report Date: 04/24/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1915849-01	MW-1S	WATER	SENECA FALLS, NY	04/16/19 12:05	04/17/19
L1915849-02	MW-2S	WATER	SENECA FALLS, NY	04/16/19 10:55	04/17/19
L1915849-03	MW-2D	WATER	SENECA FALLS, NY	04/16/19 10:15	04/17/19
L1915849-04	MW-2R	WATER	SENECA FALLS, NY	04/16/19 10:05	04/17/19
L1915849-05	MW-4S	WATER	SENECA FALLS, NY	04/16/19 13:35	04/17/19
L1915849-06	MW-4D	WATER	SENECA FALLS, NY	04/16/19 13:40	04/17/19
L1915849-07	MW-5S	WATER	SENECA FALLS, NY	04/16/19 13:44	04/17/19
L1915849-08	MW-5D	WATER	SENECA FALLS, NY	04/16/19 13:16	04/17/19
L1915849-09	MW-5R	WATER	SENECA FALLS, NY	04/16/19 14:53	04/17/19
L1915849-10	MW-7S	WATER	SENECA FALLS, NY	04/16/19 15:00	04/17/19
L1915849-11	MW-8S	WATER	SENECA FALLS, NY	04/16/19 09:36	04/17/19
L1915849-12	MW-8D	WATER	SENECA FALLS, NY	04/16/19 11:00	04/17/19
L1915849-13	MW-8R	WATER	SENECA FALLS, NY	04/16/19 10:52	04/17/19
L1915849-14	MANHOLE	WATER	SENECA FALLS, NY	04/16/19 11:15	04/17/19

Project Name:	GOULDS LANDFILL	**Lab Number:**	L1915849
Project Number:	01257117.2019	**Report Date:**	04/24/19

Case Narrative

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

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

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

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

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

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

Project Name:	GOULDS LANDFILL	**Lab Number:**	L1915849
Project Number:	01257117.2019	**Report Date:**	04/24/19

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.

Sample Receipt

L1915849-01: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3 to a pH <2.

L1915849-11 through -14: The collection time was obtained from the container label.

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: Michelle M. Morris

Title: Technical Director/Representative Date: 04/24/19

METALS

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-01
Client ID: MW-1S
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 04/16/19 12:05
Date Received: 04/17/19
Field Prep: Not Specified

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	ND		mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 17:20	EPA 3005A	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Barium, Total	0.034		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Calcium, Total	65.1		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Copper, Total	0.004	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Iron, Total	0.064		mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Magnesium, Total	115		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Manganese, Total	0.013		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 21:17	EPA 245.1	3,245.1	EA
Nickel, Total	ND		mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Potassium, Total	3.85		mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 17:20	EPA 3005A	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Sodium, Total	27.6		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC
Zinc, Total	ND		mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 14:46	EPA 3005A	19,200.7	LC

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-02
Client ID: MW-2S
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 04/16/19 10:55
Date Received: 04/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 17:25	EPA 3005A	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Barium, Total	0.074		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Calcium, Total	55.4		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Copper, Total	0.004	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Iron, Total	0.036	J	mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Magnesium, Total	105		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Manganese, Total	0.003	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 21:19	EPA 245.1	3,245.1	EA
Nickel, Total	ND		mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Potassium, Total	2.06	J	mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 17:25	EPA 3005A	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Sodium, Total	34.1		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC
Zinc, Total	ND		mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 14:51	EPA 3005A	19,200.7	LC

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-03
Client ID: MW-2D
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 04/16/19 10:15
Date Received: 04/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.047	J	mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 17:30	EPA 3005A	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Arsenic, Total	0.004	J	mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Barium, Total	0.033		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Calcium, Total	64.2		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Copper, Total	0.003	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Iron, Total	0.282		mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Magnesium, Total	120		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Manganese, Total	0.079		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 21:21	EPA 245.1	3,245.1	EA
Nickel, Total	ND		mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Potassium, Total	8.31		mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 17:30	EPA 3005A	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Sodium, Total	50.4		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC
Zinc, Total	ND		mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 14:56	EPA 3005A	19,200.7	LC

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-04
Client ID: MW-2R
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 04/16/19 10:05
Date Received: 04/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.37		mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Arsenic, Total	0.020		mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Barium, Total	0.025		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Calcium, Total	230		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Chromium, Total	0.002	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Copper, Total	0.003	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Iron, Total	3.23		mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Lead, Total	0.010		mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Magnesium, Total	86.7		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Manganese, Total	0.089		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 21:23	EPA 245.1	3,245.1	EA
Nickel, Total	ND		mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Potassium, Total	2.72		mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Sodium, Total	49.4		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Vanadium, Total	0.003	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB
Zinc, Total	0.011	J	mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 17:35	EPA 3005A	19,200.7	AB

Project Name: GOULDS LANDFILL
Lab Number: L1915849
Project Number: 01257117.2019
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-05
Client ID: MW-4S
Sample Location: SENECA FALLS, NY
Date Collected: 04/16/19 13:35
Date Received: 04/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Arsenic, Total	0.004	J	mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Barium, Total	0.025		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Calcium, Total	70.8		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Copper, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Iron, Total	0.124		mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Lead, Total	ND		mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Magnesium, Total	140		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Manganese, Total	0.026		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 21:27	EPA 245.1	3,245.1	EA
Nickel, Total	ND		mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Potassium, Total	3.63		mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Sodium, Total	50.4		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB
Zinc, Total	ND		mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 17:40	EPA 3005A	19,200.7	AB

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-06
Client ID: MW-4D
Sample Location: SENECA FALLS, NY
Date Collected: 04/16/19 13:40
Date Received: 04/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.088	J	mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Barium, Total	0.015		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Calcium, Total	207		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Copper, Total	0.003	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Iron, Total	0.223		mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Lead, Total	ND		mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Magnesium, Total	355		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Manganese, Total	0.131		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 21:29	EPA 245.1	3,245.1	EA
Nickel, Total	0.004	J	mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Potassium, Total	7.89		mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Sodium, Total	120		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB
Zinc, Total	0.005	J	mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 19:12	EPA 3005A	19,200.7	AB

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-07
Client ID: MW-5S
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 04/16/19 13:44
Date Received: 04/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.032	J	mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Arsenic, Total	ND		mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Barium, Total	0.063		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Calcium, Total	183		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Copper, Total	0.006	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Iron, Total	0.043	J	mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Lead, Total	ND		mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Magnesium, Total	309		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Manganese, Total	0.008	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 21:30	EPA 245.1	3,245.1	EA
Nickel, Total	ND		mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Potassium, Total	8.24		mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Sodium, Total	244		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB
Zinc, Total	0.003	J	mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 19:18	EPA 3005A	19,200.7	AB

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-08
Client ID: MW-5D
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 04/16/19 13:16
Date Received: 04/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.679		mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Arsenic, Total	0.004	J	mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Barium, Total	0.062		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Calcium, Total	268		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Chromium, Total	0.009	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Copper, Total	0.009	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Iron, Total	4.84		mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Lead, Total	0.004	J	mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Magnesium, Total	184		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Manganese, Total	0.093		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 21:32	EPA 245.1	3,245.1	EA
Nickel, Total	0.006	J	mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Potassium, Total	11.5		mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Sodium, Total	388		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB
Zinc, Total	0.833		mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 19:23	EPA 3005A	19,200.7	AB

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-09
Client ID: MW-5R
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 04/16/19 14:53
Date Received: 04/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.02		mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Arsenic, Total	0.004	J	mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Barium, Total	0.030		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Calcium, Total	468		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Chromium, Total	0.005	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Cobalt, Total	0.002	J	mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Copper, Total	0.006	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Iron, Total	6.76		mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Lead, Total	0.006	J	mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Magnesium, Total	78.4		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Manganese, Total	0.113		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 21:34	EPA 245.1	3,245.1	EA
Nickel, Total	0.003	J	mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Potassium, Total	8.38		mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Selenium, Total	0.005	J	mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Sodium, Total	390		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Vanadium, Total	0.002	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB
Zinc, Total	0.016	J	mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 19:28	EPA 3005A	19,200.7	AB

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-10
Client ID: MW-7S
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 04/16/19 15:00
Date Received: 04/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Arsenic, Total	0.003	J	mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Barium, Total	0.063		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Calcium, Total	60.5		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Copper, Total	0.002	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Iron, Total	0.218		mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Lead, Total	ND		mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Magnesium, Total	32.6		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Manganese, Total	0.291		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 21:40	EPA 245.1	3,245.1	EA
Nickel, Total	ND		mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Potassium, Total	1.87	J	mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Sodium, Total	17.5		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB
Zinc, Total	ND		mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 19:34	EPA 3005A	19,200.7	AB

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-11
Client ID: MW-8S
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 04/16/19 09:36
Date Received: 04/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Barium, Total	0.048		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Calcium, Total	55.6		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Copper, Total	0.003	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Iron, Total	0.043	J	mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Lead, Total	ND		mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Magnesium, Total	88.0		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Manganese, Total	0.003	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 21:42	EPA 245.1	3,245.1	EA
Nickel, Total	ND		mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Potassium, Total	4.34		mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Sodium, Total	34.0		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB
Zinc, Total	ND		mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 19:39	EPA 3005A	19,200.7	AB

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-12
Client ID: MW-8D
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 04/16/19 11:00
Date Received: 04/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.162		mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Arsenic, Total	0.010		mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Barium, Total	0.036		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Calcium, Total	70.4		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Copper, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Iron, Total	0.255		mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Lead, Total	ND		mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Magnesium, Total	145		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Manganese, Total	0.031		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 21:44	EPA 245.1	3,245.1	EA
Nickel, Total	ND		mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Potassium, Total	12.7		mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Sodium, Total	56.4		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB
Zinc, Total	0.003	J	mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 19:44	EPA 3005A	19,200.7	AB

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-13
Client ID: MW-8R
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 04/16/19 10:52
Date Received: 04/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.158		mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Arsenic, Total	0.006		mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Barium, Total	0.007	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Calcium, Total	517		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Copper, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Iron, Total	1.34		mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Lead, Total	ND		mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Magnesium, Total	115		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Manganese, Total	0.026		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 20:47	EPA 245.1	3,245.1	EA
Nickel, Total	ND		mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Potassium, Total	8.64		mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Sodium, Total	180		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB
Zinc, Total	0.003	J	mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 19:49	EPA 3005A	19,200.7	AB

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

SAMPLE RESULTS

Lab ID: L1915849-14
Client ID: MANHOLE
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 04/16/19 11:15
Date Received: 04/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2.44		mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Antimony, Total	0.012	J	mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Arsenic, Total	0.019		mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Barium, Total	0.189		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Cadmium, Total	0.001	J	mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Calcium, Total	125		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Chromium, Total	0.007	J	mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Cobalt, Total	0.005	J	mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Copper, Total	0.243		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Iron, Total	31.8		mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Lead, Total	0.093		mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Magnesium, Total	67.6		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Manganese, Total	0.512		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Mercury, Total	0.00080		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 20:57	EPA 245.1	3,245.1	EA
Nickel, Total	0.037		mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Potassium, Total	32.2		mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Sodium, Total	35.0		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Vanadium, Total	0.031		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB
Zinc, Total	0.228		mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 19:54	EPA 3005A	19,200.7	AB

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-14 Batch: WG1228247-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/19/19 12:32	04/22/19 20:44	3,245.1	EA

Prep Information

Digestion Method: EPA 245.1

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-14 Batch: WG1228286-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Antimony, Total	ND		mg/l	0.050	0.007	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Barium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Beryllium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Cadmium, Total	ND		mg/l	0.005	0.001	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Calcium, Total	ND		mg/l	0.100	0.035	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Chromium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Cobalt, Total	ND		mg/l	0.020	0.002	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Copper, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 17:11	19,200.7	AB
Iron, Total	ND		mg/l	0.050	0.009	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Lead, Total	ND		mg/l	0.010	0.003	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Magnesium, Total	ND		mg/l	0.100	0.015	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Manganese, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Nickel, Total	ND		mg/l	0.025	0.002	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Potassium, Total	ND		mg/l	2.50	0.237	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Selenium, Total	ND		mg/l	0.010	0.004	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Silver, Total	ND		mg/l	0.007	0.003	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Sodium, Total	ND		mg/l	2.00	0.120	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Thallium, Total	ND		mg/l	0.020	0.003	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Vanadium, Total	ND		mg/l	0.010	0.002	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB
Zinc, Total	ND		mg/l	0.050	0.002	1	04/19/19 17:55	04/22/19 10:15	19,200.7	AB

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019
Lab Number: L1915849
Report Date: 04/24/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOULDS LANDFILL

Project Number: 01257117.2019

Lab Number: L1915849

Report Date: 04/24/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 Batch: WG1228247-2								
Mercury, Total	108		-		85-115	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019

Lab Number: L1915849
Report Date: 04/24/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 Batch: WG1228286-2					
Aluminum, Total	114	-	85-115	-	
Antimony, Total	95	-	85-115	-	
Arsenic, Total	110	-	85-115	-	
Barium, Total	102	-	85-115	-	
Beryllium, Total	112	-	85-115	-	
Cadmium, Total	105	-	85-115	-	
Calcium, Total	110	-	85-115	-	
Chromium, Total	100	-	85-115	-	
Cobalt, Total	101	-	85-115	-	
Copper, Total	93	-	85-115	-	
Iron, Total	101	-	85-115	-	
Lead, Total	109	-	85-115	-	
Magnesium, Total	110	-	85-115	-	
Manganese, Total	105	-	85-115	-	
Nickel, Total	101	-	85-115	-	
Potassium, Total	111	-	85-115	-	
Selenium, Total	112	-	85-115	-	
Silver, Total	104	-	85-115	-	
Sodium, Total	104	-	85-115	-	
Thallium, Total	107	-	85-115	-	
Vanadium, Total	109	-	85-115	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: GOULDS LANDFILL

Project Number: 01257117.2019

Lab Number: L1915849

Report Date: 04/24/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 Batch: WG1228286-2					
Zinc, Total	107	-	85-115	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019

Lab Number: L1915849
Report Date: 04/24/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1228247-3 QC Sample: L1915849-13 Client ID: MW-8R												
Mercury, Total	ND	0.005	0.00568	114		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1228247-5 QC Sample: L1915849-14 Client ID: MANHOLE												
Mercury, Total	0.00080	0.005	0.00658	115		-	-		70-130	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019

Lab Number: L1915849
Report Date: 04/24/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1228286-3 QC Sample: L1915805-02 Client ID: MS Sample										
Aluminum, Total	0.070J	2	2.78	**139**	Q	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.632	**126**	Q	-	-	75-125	-	20
Arsenic, Total	0.005J	0.12	0.160	**133**	Q	-	-	75-125	-	20
Barium, Total	0.022	2	2.27	112		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.051	101		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.046	90		-	-	75-125	-	20
Calcium, Total	266	10	271	**50**	Q	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.189	94		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.433	87		-	-	75-125	-	20
Copper, Total	0.006J	0.25	0.356	**142**	Q	-	-	75-125	-	20
Iron, Total	0.136	1	1.10	96		-	-	75-125	-	20
Lead, Total	ND	0.51	0.458	90		-	-	75-125	-	20
Magnesium, Total	566	10	613	**470**	Q	-	-	75-125	-	20
Manganese, Total	0.030	0.5	0.472	88		-	-	75-125	-	20
Nickel, Total	ND	0.5	0.409	82		-	-	75-125	-	20
Potassium, Total	390	10	386	**0**	Q	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.163	**136**	Q	-	-	75-125	-	20
Silver, Total	ND	0.05	0.060	120		-	-	75-125	-	20
Sodium, Total	3150	10	2950	**0**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.091	75		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.535	107		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019

Lab Number: L1915849
Report Date: 04/24/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1228286-3 QC Sample: L1915805-02 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.461	92	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019

Lab Number: L1915849
Report Date: 04/24/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1228286-7 QC Sample: L1916009-01 Client ID: MS Sample										
Aluminum, Total	0.069J	2	2.36	118		-	-	75-125	-	20
Antimony, Total	0.009J	0.5	0.494	99		-	-	75-125	-	20
Arsenic, Total	0.002J	0.12	0.134	112		-	-	75-125	-	20
Barium, Total	0.020	2	2.07	102		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.056	112		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.053	105		-	-	75-125	-	20
Calcium, Total	31.4	10	41.3	99		-	-	75-125	-	20
Chromium, Total	ND	0.2	0.199	100		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.508	102		-	-	75-125	-	20
Copper, Total	0.006J	0.25	0.276	110		-	-	75-125	-	20
Iron, Total	0.118	1	1.26	114		-	-	75-125	-	20
Lead, Total	ND	0.51	0.560	110		-	-	75-125	-	20
Magnesium, Total	7.97	10	18.6	106		-	-	75-125	-	20
Manganese, Total	0.004J	0.5	0.528	106		-	-	75-125	-	20
Nickel, Total	ND	0.5	0.505	101		-	-	75-125	-	20
Potassium, Total	1.49J	10	12.6	**126**	Q	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.137	114		-	-	75-125	-	20
Silver, Total	ND	0.05	0.039	78		-	-	75-125	-	20
Sodium, Total	11.2	10	21.6	104		-	-	75-125	-	20
Thallium, Total	ND	0.12	0.130	108		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.544	109		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019

Lab Number: L1915849
Report Date: 04/24/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1228286-7 QC Sample: L1916009-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.535	107	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019

Lab Number: L1915849
Report Date: 04/24/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1228247-4 QC Sample: L1915849-13 Client ID: MW-8R						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1228247-6 QC Sample: L1915849-14 Client ID: MANHOLE						
Mercury, Total	0.00080	0.00078	mg/l	3		20
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1228286-4 QC Sample: L1915805-02 Client ID: DUP Sample						
Iron, Total	0.136	0.141	mg/l	4		20
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1228286-8 QC Sample: L1916009-01 Client ID: DUP Sample						
Aluminum, Total	0.069J	0.069J	mg/l	NC		20

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019

Lab Number: L1915849
Report Date: 04/24/19

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(*)
L1915849-01A	Plastic 250ml HNO3 preserved	A	6	<2	2.0	N	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)
L1915849-02A	Plastic 250ml HNO3 preserved	A	<2	<2	2.0	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)
L1915849-03A	Plastic 250ml HNO3 preserved	A	<2	<2	2.0	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)
L1915849-04A	Plastic 250ml HNO3 preserved	A	<2	<2	2.0	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)
L1915849-05A	Plastic 250ml HNO3 preserved	A	<2	<2	2.0	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1915849-06A	Plastic 250ml HNO3 preserved	A	<2	<2	2.0	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)
L1915849-07A	Plastic 250ml HNO3 preserved	A	<2	<2	2.0	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)
L1915849-08A	Plastic 250ml HNO3 preserved	A	<2	<2	2.0	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)
L1915849-09A	Plastic 250ml HNO3 preserved	A	<2	<2	2.0	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)
L1915849-10A	Plastic 250ml HNO3 preserved	A	<2	<2	2.0	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)
L1915849-11A	Plastic 250ml HNO3 preserved	A	<2	<2	2.0	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)
L1915849-12A	Plastic 250ml HNO3 preserved	A	<2	<2	2.0	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)

*Values in parentheses indicate holding time in days

Project Name: GOULDS LANDFILL
Project Number: 01257117.2019

Lab Number: L1915849
Report Date: 04/24/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1915849-13A	Plastic 250ml HNO3 preserved	A	<2	<2	2.0	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)
L1915849-14A	Plastic 250ml HNO3 preserved	A	<2	<2	2.0	Y	Absent		BA-UI(180),NI-UI(180),SB-UI(180),AG-UI(180),CA-UI(180),ZN-UI(180),CO-UI(180),K-UI(180),FE-UI(180),MG-UI(180),SE-UI(180),HG-U(28),CD-UI(180),AL-UI(180),BE-UI(180),CR-UI(180),MN-UI(180),NA-UI(180),AS-UI(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)

*Values in parentheses indicate holding time in days

Project Name:	GOULDS LANDFILL	**Lab Number:**	L1915849
Project Number:	01257117.2019	**Report Date:**	04/24/19

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.

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.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	GOULDS LANDFILL	**Lab Number:**	L1915849
Project Number:	01257117.2019	**Report Date:**	04/24/19

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.

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'.

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.

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. 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 Condensation Product".

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.

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 Identified Compounds (TICs).

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	GOULDS LANDFILL	**Lab Number:**	L1915849
Project Number:	01257117.2019	**Report Date:**	04/24/19

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **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), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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: 4/18/19

ALPHA Job #: L1915849

Client Information

Client: ARCADIS
Address: 855 RTE 146 STE 210
Clifton Park, NY 12065
Phone: (518) 250-7300
Fax:
Email: elias.moskal@arcadis.com

Project Information

Project Name: Goulds Landfill
Project Location: Seneca Falls, NY
Project # 01257117.2019
(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:

Analyze Samples and Report Data Comparable to Dec '18 Results

Please specify Metals or TAL.

ANALYSIS

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	TAL Metals	Sample Specific Comments	Total Bottle
15849 -01	MW-1S	4/16/19	1205	W	ES	✓		1
02	MW-2S		1055		ES			
03	MW-2D		1015		ES			
04	MW-2R		1005		ES			
05	MW-4S		1335		ES			
06	MW-4D		1340		ES			
07	MW-5S		1344		JD			
08	MW-5D		1316		JD			
09	MW-5R		1453		JD			
10	MW-7S		1500		ES			

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

Container Type	P									
Preservative	C									

Relinquished By:	Date/Time	Received By:	Date/Time
J. Duquette	4/17/19 1515	Robert Haine AAL	4-17-19 15:15
Robert Haine	4-17-19 1515	[illegible]	4/18/19 00:30

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 ANALYTICAL

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: 4/18/19

ALPHA Job #: L1915849

Client Information

Client: ARCADIS
Address: 855 RTE 146 STE 210
Clifton Park, NY 12065
Phone: (518) 250-7300
Fax:
Email: elias.moskal@arcadis.com

Project Information

Project Name: Goulds Landfill
Project Location: Seneca Falls, NY
Project #: 01257117.2019
(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:

Analyze Samples and Report Data Comparable to Dec '18 Results

Please specify Metals or TAL.

ANALYSIS

TAL Metals

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

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL Metals	Total Bottle
15849-11	MW-8S	4/16/19		W	JD	✓	1
12	MW-8D	↓		↓	JD	↓	↓
13	MW-8R				JD		
14	Manhole	↓		↓	JD	↓	↓

Container Type: P
Preservative: C

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
J. Duquette	4/17/19 1515	Robert Haine AAL	4-17-19 15:15
Robert Haine	4-17-19 1515		4/18/19 00:30

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)

Arcadis of New York, Inc.
855 Route 146
Suite 210
Clifton Park
New York 12065
Tel 518 250 7300
Fax 518 250 7301
www.arcadis.com

Ms. Charlotte Theobald
New York State Department of Environmental Conservation – Region 8
6274 East Avon-Lima Road
Avon, New York 14414

Subject: Third Quarter 2019 Post-Closure Monitoring and Maintenance Event
Goulds Pumps, Inc.
Site No. 850002 – Class 3 Closed Landfill
Seneca Falls, NY 13148

Date:
February 4, 2020

Contact:
Elias J. Moskal

Phone:
518.250.7333

Our ref:
30001785

Dear Ms. Theobald:

On September 23, 2019 Arcadis personnel conducted the third quarter 2019 Quarterly, Post-Closure Monitoring and Maintenance Event for the closed landfill adjacent to the Goulds Pumps Administration Inc. (Goulds Pumps) facility located at 240 Fall Street, Seneca Falls, NY (Site).

The New York State Department of Environmental Conservation (NYSDEC) approved Post-Closure Monitoring and Maintenance Plan (PCMMP) calls for the closed landfill to be inspected on a quarterly basis, as well as following significant storm events greater than 3.2 inches of rainfall in a 24-hour period. Additionally, groundwater sampling is to occur semi-annually. In 2010, the NYSDEC approved a modification request to eliminate the first quarter PCMMP monitoring and maintenance events. Beginning in 2011, PCMMP monitoring and maintenance events have been conducted in second, third and fourth quarters.

Groundwater sampling was not conducted during this monitoring and maintenance event but will be sampled during the fourth quarter 2019 monitoring and maintenance event. The third quarter 2019 inspection checklists completed during the monitoring and maintenance event are included in Attachment 1. The closed landfill continues to function as designed. The results of the third quarter 2019 monitoring and maintenance event are summarized below.

CAP SYSTEM

The cap system on the closed landfill continues to function as designed and is in good condition. Vegetation on the cap was well established and despite heavy rainfall during the inspection, no standing water was observed. In accordance with the PCMMP, the cap, perimeter drainage swales, and adjacent areas are regularly mowed to promote a healthy stand of vegetative growth across the cap system and reduce unwanted vegetation. The observed grass height on the cap during this event

was consistent with the historical grass height; a height of approximately six to twelve inches.

SURFACE WATER DRAINAGE

The Site drainage system is regularly inspected for areas of erosion, ponding, sedimentation and excessive vegetative growth. There were no areas of concern observed during the inspection, and the overall drainage system is acceptable and performing as designed. The perimeter drainage swales continue to utilize a series of rock check dams to reduce the potential for erosion during periods of higher flow at the Site. These check dams are maintained regularly, and additional rock is added as needed. Vegetation in the drainage swale is cut regularly to reduce the likelihood of woody growth within the drainage swale. The culvert beneath the railroad tracks was observed and showed no indication of sedimentation, ponding, or damage.

ACCESS ROADWAY, GATES, AND FENCING

The access roadway was inspected and there were no indications of erosion, ponding, or damage to the culverts beneath the roadway. Additionally, the gates and fencing are in good condition and provide access control in accordance with the PCMMP. A lock and chain across the access roadway adjacent to Black Brook Road are in place at the Site. This control prevents vehicular access from the road. The facility and the landfill are under 24-hour video surveillance.

ADJACENT AREAS

Adjacent areas were inspected and appear in good condition. Vegetative cover is well established, and at the time of the inspection drainage appears satisfactory. Access to off-cap monitoring wells in the heavily vegetated areas north and west of the closed landfill is facilitated by regularly brush-hogged laneways.

MONITORING WELLS AND PIEZOMETERS

Overall, the condition of the Site monitoring wells and piezometers is acceptable, and piezometers associated with the landfill are easily located. No urgent maintenance items were observed at the time of the inspection event and the access laneways were mowed to an acceptable length. Some locks may be changed in the near future as some are starting to become rusted.

Regularly brush-hogged pathways provide access to the off-cap area adjacent to the MW-2 and MW-4 clusters as well as MW-1S. These clusters are immediately north and northwest of the closed landfill. These areas are cleared approximately once every two years to enable ongoing access to the monitoring wells in those areas.

GROUNDWATER MONITORING WELL AND LEACHATE MANHOLE SAMPLING

No groundwater or leachate samples were required to be collected during the third quarter event. In general, groundwater and leachate sampling occur at the landfill during the second and fourth quarter monitoring and maintenance events. The next groundwater and leachate sampling event is scheduled to occur during the fourth quarter of 2019.

WATER LEVELS AND HYDRAULIC GRADIENTS

Water levels were measured at monitoring wells, piezometers and the leachate collection manhole located at the southern end of the landfill. Water level measurements are shown in Table 1. In general, water levels recorded during the third quarter event fall within the range of historical values at the Site. Potentiometric maps for the Site are prepared for the second and fourth quarter monitoring reports with the fourth quarter potentiometric map being included in the 2019 Annual Post Closure Monitoring and Periodic Review Report.

EXPLOSIVE GAS READINGS

As indicated in the Second Quarter 2019 Post-Closure Monitoring and Maintenance Event Report dated September 20, 2019, explosive gas monitoring was to be eliminated as of the 3Q 2019 event. However, explosive gas measurements were collected and are shown in Attachment 1. As in all previous measurements, no explosive gases were detected at the landfill gas vents. No further explosive gas monitoring will be performed beginning in 2020.

If you have any questions or comments regarding the monitoring event results, please do not hesitate to call Jeff Stanek at (949) 562-7401 or Lisa Hall at (949) 562-7402.

Very truly yours,

Arcadis of New York, Inc.

Matthew C Yonkin, PE, BCEE
Associate Vice President

I certify that I have reviewed the Third Quarter 2018 Post-Closure Inspection and Monitoring Event Report dated February 4, 2020 and that the document meets the requirements of the *Post Closure Monitoring and Maintenance Plan* (PCMMP) dated December 1997 and approved by the NYSDEC on December 29, 1997. This report also conforms to applicable state, federal, and local regulations, generally accepted practices in the environmental profession and Arcadis standards.

Tables and Attachments:

Table 1 – Post-Closure Groundwater Monitoring Summary of Groundwater Levels
Attachment 1 – Post-Closure Quarterly Inspection Form and Checklist

c: Jeff Stanek & Lisa Hall - ITT

TABLE 1
POST-CLOSURE GROUNDWATER MONITORING
SUMMARY OF GROUNDWATER LEVELS
GOULDS PUMPS, INC.

Well/Piezometer	MW-1S		MW-2S		MW-2D		MW-2R		MW-4S		MW-4D	
Protective Casing Elevation	472.77		471.51		471.68		471.38		462.76		462.26	
Measuring Point Elevation	472.45		471.37		471.34		471.06		462.61		462.11	
Ground Elevation	470.21		468.87		468.94		469.35		460.03		459.85	
Date	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)
First Quarter '07	2.89	469.56	3.00	468.37	2.74	468.60	23.96	447.10	3.39	459.22	8.4	453.71
Second Quarter '07	7.12	465.33	8.09	463.28	7.79	463.55	23.81	447.25	6.43	456.18	9.41	452.70
Third Quarter '07	10.84	461.61	10.07	461.30	9.64	461.70	26.26	444.80	6.01	456.60	11.04	451.07
Fourth Quarter '07	8.08	464.37	8.36	463.01	8.00	463.34	26.55	444.51	5.59	457.02	10.51	451.60
First Quarter '08	2.73	469.72	3.51	467.86	3.26	468.08	23.98	447.08	3.52	459.09	8.46	453.65
Second Quarter '08	3.61	468.84	4.49	466.88	4.29	467.05	22.90	448.16	4.11	458.50	8.1	454.01
Third Quarter '08	10.89	461.56	9.90	461.47	8.51	462.83	25.91	445.15	6.74	455.87	11.04	451.07
Fourth Quarter '08	3.29	469.16	4.40	466.97	4.10	467.24	25.75	445.31	3.77	458.84	9.12	452.99
First Quarter '09	2.92	469.53	3.33	468.04	3.11	468.23	23.70	447.36	3.65	458.96	8.17	453.94
Second Quarter '09	3.56	468.89	4.33	467.04	4.16	467.18	23.44	447.62	3.92	458.69	8.13	453.98
Third Quarter '09	6.87	465.58	7.01	464.36	6.72	464.62	24.62	446.44	5.52	457.09	9.48	452.63
Fourth Quarter '09	3.13	469.32	4.04	467.33	3.82	467.52	25.38	445.68	3.74	458.87	9.28	452.83
First Quarter '10	3.29	469.16	4.17	467.20	3.95	467.39	24.33	446.73	3.96	458.65	8.79	453.32
Second Quarter '10	2.86	469.59	3.14	468.23	2.90	468.44	23.26	447.80	3.48	459.13	8.04	454.07
Third Quarter '10	9.18	463.27	8.53	462.84	8.26	463.08	25.23	445.83	6.11	456.50	10.26	451.85
Fourth Quarter '10	2.99	469.46	3.64	467.73	3.43	467.91	23.63	447.43	3.63	458.98	8.07	454.04
Second Quarter '11	6.27	466.18	6.79	464.58	6.51	464.83	22.75	448.31	5.44	457.17	8.88	453.23
Third Quarter '11	8.91	463.54	7.31	464.06	6.95	464.39	24.89	446.17	5.52	457.09	9.96	452.15
Fourth Quarter '11	3.05	469.40	3.81	467.56	3.61	467.73	23.63	447.43	3.88	458.73	8.28	453.83
Second Quarter '12	6.21	466.24	6.45	464.92	6.17	465.17	23.73	447.33	5.19	457.42	8.92	453.19
Third Quarter '12	12.96	459.49	11.48	459.89	11.19	460.15	26.25	444.81	6.85	455.76	13.30	448.81
Fourth Quarter '12	12.12	460.33	8.41	462.96	5.43	465.91	26.89	444.17	4.30	458.31	10.70	451.41
Second Quarter '13	4.35	468.10	4.79	466.58	4.49	466.85	24.17	446.89	4.65	457.96	8.41	453.70
Third Quarter '13	5.61	466.84	5.63	465.74	5.35	465.99	23.77	447.29	5.34	457.27	9.08	453.03
Fourth Quarter '13	3.65	468.80	3.99	467.38	3.79	467.55	24.62	446.44	4.34	458.27	8.95	453.16
Second Quarter '14	4.18	468.27	4.81	466.56	4.79	466.55	23.25	447.81	4.73	457.88	8.75	453.36
Third Quarter '14	6.71	465.74	5.89	465.48	5.57	465.77	23.83	447.23	5.63	456.98	9.34	452.77
Fourth Quarter '14	3.09	469.36	3.43	467.94	3.19	468.15	24.69	446.37	3.66	458.95	8.94	453.17
Second Quarter '15	4.73	467.72	5.20	466.17	4.93	466.41	23.30	447.76	4.82	457.79	8.24	453.87
Third Quarter '15	7.57	464.88	7.49	463.88	7.19	464.15	23.36	447.70	6.30	456.31	9.83	452.28
Fourth Quarter '15	3.30	469.15	4.65	466.72	4.40	466.94	24.33	446.73	3.97	458.64	8.73	453.38
Second Quarter '16	3.22	469.23	4.00	467.37	7.22	464.12	23.45	447.61	3.76	458.85	8.23	453.88
Third Quarter '16	13.97	458.48	11.96	459.41	11.65	459.69	26.84	444.22	6.82	455.79	11.63	450.48
Fourth Quarter '16	3.05	469.40	4.12	467.25	4.27	467.07	25.25	445.81	3.72	458.89	9.01	453.10
Second Quarter '17	2.55	469.90	2.86	468.51	2.67	468.67	22.47	448.59	3.30	459.31	7.63	454.48
Third Quarter '17	7.25	465.20	6.20	465.17	5.91	465.43	23.39	447.67	5.60	457.01	9.14	452.97
Fourth Quarter '17	3.18	469.27	3.83	467.54	7.08	464.26	23.92	447.14	3.91	458.70	10.20	451.91
Second Quarter '18	2.88	469.57	3.08	468.29	4.47	466.87	23.40	447.66	3.58	459.03	10.41	451.70
Third Quarter '18	8.42	464.03	6.31	465.06	6.00	465.34	25.42	445.64	5.52	457.09	9.93	452.18
Fourth Quarter '18	3.04	469.41	3.30	468.07	4.61	466.73	23.58	447.48	3.78	458.83	10.94	451.17
Second Quarter '19	2.78	469.67	2.85	468.52	2.64	468.70	22.37	448.69	3.30	459.31	7.74	454.37
Third Quarter '19	9.64	462.81	7.60	463.77	7.42	463.92	24.37	446.69	6.44	456.17	9.97	452.14
Change Since Previous Event	(6.86)		(4.75)		(4.78)		(2.00)		(3.14)		(2.23)	

NM - Not Measured

DRY - Well or piezometer was dry

TABLE 1
POST-CLOSURE GROUNDWATER MONITORING
SUMMARY OF GROUNDWATER LEVELS
GOULDS PUMPS, INC.

Well/Piezometer	MW-5S		MW-5D		MW-5R		MW-7S		MW-8S		MW-8D		MW-8R	
Protective Casing Elevation	466.12		466.07		465.08		472.03		460.90		460.98		460.01	
Measuring Point Elevation	465.94		465.92		464.74		471.89		460.85		460.87		459.88	
Ground Elevation	463.54		463.55		463.46		470.98		458.44		458.42		458.20	
Date	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)
First Quarter '07	5.49	460.45	11.96	453.96	18.51	446.23	2.89	469.00	7.43	453.42	19.26	441.61	15.72	444.16
Second Quarter '07	7.59	458.35	12.54	453.38	18.33	446.41	4.73	467.16	8.67	452.18	19.12	441.75	15.52	444.36
Third Quarter '07	6.34	459.60	13.22	452.70	20.96	443.78	3.66	468.23	9.55	451.30	21.75	439.12	17.86	442.02
Fourth Quarter '07	6.25	459.69	12.72	453.20	21.72	443.02	4.39	467.50	8.82	452.03	20.08	440.79	18.06	441.82
First Quarter '08	5.72	460.22	15.96	449.96	18.69	446.05	3.51	468.38	7.86	452.99	19.36	441.51	15.85	444.03
Second Quarter '08	6.35	459.59	11.74	454.18	17.70	447.04	3.81	468.08	8.35	452.50	18.70	442.17	14.95	444.93
Third Quarter '08	6.76	459.18	12.90	453.02	20.80	443.94	4.47	467.42	9.80	451.05	20.70	440.17	17.74	442.14
Fourth Quarter '08	5.71	460.23	12.50	453.42	20.39	444.35	3.43	468.46	7.97	452.88	20.17	440.70	17.42	442.46
First Quarter '09	5.82	460.12	11.86	454.06	18.37	446.37	4.68	467.21	7.78	453.07	19.07	441.80	15.52	444.36
Second Quarter '09	6.42	459.52	11.86	454.06	18.09	446.65	5.34	466.55	8.23	452.62	18.88	441.99	15.34	444.54
Third Quarter '09	6.45	459.49	12.34	453.58	19.03	445.71	NM	NM	8.51	452.34	16.46	444.41	16.14	443.74
Fourth Quarter '09	6.03	459.91	12.44	453.48	19.99	444.75	4.06	467.83	8.17	452.68	19.97	440.90	17.05	442.83
First Quarter '10	6.29	459.65	12.78	453.14	19.02	445.72	4.52	467.37	8.10	452.75	19.47	441.40	16.12	443.76
Second Quarter '10	6.05	459.89	11.67	454.25	17.87	446.87	3.71	468.18	7.93	452.92	18.70	442.17	15.07	444.81
Third Quarter '10	6.74	459.20	12.77	453.15	19.46	445.28	2.27	469.62	9.18	451.67	23.40	437.47	16.34	443.54
Fourth Quarter '10	5.58	460.36	11.79	454.13	18.22	446.52	3.44	468.45	7.84	453.01	18.78	442.09	15.23	444.65
Second Quarter '11	6.60	459.34	12.01	453.91	17.41	447.33	3.93	467.96	8.41	452.44	18.44	442.43	14.59	445.29
Third Quarter '11	6.12	459.82	12.52	453.40	19.34	445.40	3.74	468.15	8.74	452.11	19.63	441.24	16.22	443.66
Fourth Quarter '11	6.10	459.84	11.97	453.95	18.22	446.52	3.92	467.97	7.89	452.96	18.73	442.14	15.27	444.61
Second Quarter '12	6.91	459.03	12.39	453.53	18.08	446.66	3.77	468.12	8.53	452.32	18.65	442.22	15.26	444.62
Third Quarter '12	9.25	456.69	14.38	451.54	27.90	436.84	4.87	467.02	10.95	449.90	24.41	436.46	17.66	442.22
Fourth Quarter '12	6.39	459.55	13.33	452.59	21.38	443.36	4.00	467.89	9.21	451.64	24.43	436.44	18.20	441.68
Second Quarter '13	6.39	459.55	12.36	453.56	18.76	445.98	3.86	468.03	8.44	452.41	19.05	441.82	15.74	444.14
Third Quarter '13	3.73	459.25	9.80	453.06	17.70	445.44	4.13	467.76	8.41	452.44	18.93	441.94	15.19	444.69
Fourth Quarter '13	NM	----	NM	----	NM	----	4.53	467.36	7.46	453.39	19.32	441.55	16.23	443.65
Second Quarter '14	4.30	458.68	9.00	453.86	14.91	448.23	4.21	467.68	8.62	452.23	18.81	442.06	15.11	444.77
Third Quarter '14	4.86	458.12	9.39	453.47	15.43	447.71	4.51	467.38	8.83	452.02	19.31	441.56	15.56	444.32
Fourth Quarter '14	4.99	457.99	9.75	453.11	16.32	446.82	4.40	467.49	8.84	452.01	19.62	441.25	16.39	443.49
Second Quarter '15	4.81	458.17	9.56	453.30	15.13	448.01	4.52	467.37	9.00	451.85	18.78	442.09	15.15	444.73
Third Quarter '15	4.53	458.45	9.57	453.29	15.31	447.83	4.59	467.30	9.14	451.71	18.89	441.98	15.15	444.73
Fourth Quarter '15	5.02	457.96	9.53	453.33	16.00	447.14	4.51	467.38	8.81	452.04	19.30	441.57	16.02	443.86
Second Quarter '16	4.96	458.02	9.85	453.01	15.29	447.85	4.40	467.49	8.90	451.95	18.90	441.97	17.00	442.88
Third Quarter '16	5.15	457.83	10.52	452.34	18.49	444.65	4.48	467.41	9.62	451.23	21.33	439.54	18.33	441.55
Fourth Quarter '16	4.56	458.42	10.01	452.85	17.10	446.04	4.04	467.85	8.42	452.43	19.68	441.19	16.59	443.29
Second Quarter '17	4.32	458.66	9.45	453.41	14.35	448.79	2.90	468.99	8.30	452.55	18.24	442.63	14.32	445.56
Third Quarter '17	5.01	457.97	9.36	453.50	15.13	448.01	4.64	467.25	9.13	451.72	18.79	442.08	15.11	444.77
Fourth Quarter '17	5.22	457.76	9.59	453.27	15.42	447.72	4.59	467.30	8.75	452.10	22.41	438.46	15.50	444.38
Second Quarter '18	4.79	458.19	9.25	453.61	14.80	448.34	4.23	467.66	8.59	452.26	21.32	439.55	16.68	443.20
Third Quarter '18	5.05	457.93	9.89	452.97	17.08	446.06	4.38	467.51	9.01	451.84	19.92	440.95	16.88	443.00
Fourth Quarter '18	4.74	458.24	9.24	453.62	15.51	447.63	4.25	467.64	9.01	451.84	20.48	440.39	15.82	444.06
Second Quarter '19	4.38	458.60	8.66	454.20	14.28	448.86	4.20	467.69	8.60	452.25	18.20	442.67	14.28	445.60
Third Quarter '19	5.29	457.69	9.59	453.27	15.87	447.27	4.81	467.08	9.30	451.55	19.52	441.35	15.91	443.97
Change Since Previous Event	(0.91)		(0.93)		(1.59)		(0.61)		(0.70)		(1.32)		(1.63)	

NM - Not Measured

DRY - Well or piezometer was dry

8/21/2013 Measuring Point Elevation for MW-5S= 462.98
8/21/2013 Measuring Point Elevation for MW-5D= 462.86
8/21/2013 Measuring Point Elevation for MW-5R= 463.14

TABLE 1
POST-CLOSURE GROUNDWATER MONITORING
SUMMARY OF GROUNDWATER LEVELS
GOULDS PUMPS, INC.

Well/Piezometer	P-1		P-2		P-4		P-5		P-6		P-7	
Protective Casing Elevation	480.44		487.76		485.85		467.50		460.71		460.47	
Measuring Point Elevation	480.24		487.75		485.79		467.37		460.57		460.32	
Ground Elevation	477.63		484.67		483.55		465.56		458.58		456.53	
Date	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)
First Quarter '07	13.63	466.61	DRY	----	----	----	4.29	463.08	6.29	454.28	7.54	452.78
Second Quarter '07	14.43	465.81	DRY	----	----	----	7.12	460.25	7.67	452.90	8.58	451.74
Third Quarter '07	15.09	465.15	DRY	----	----	----	4.92	462.45	DRY	---	8.90	451.42
Fourth Quarter '07	15.2	465.04	DRY	----	----	----	5.42	461.95	7.52	453.05	8.65	451.67
First Quarter '08	13.77	466.47	DRY	----	----	----	4.52	462.85	7.28	453.29	7.85	452.47
Second Quarter '08	15.98	464.26	DRY	----	----	----	7.13	460.24	7.55	453.02	8.40	451.92
Third Quarter '08	14.88	465.36	DRY	----	----	----	4.97	462.40	8.35	452.22	9.31	451.01
Fourth Quarter '08	13.8	466.44	DRY	----	----	----	4.44	462.93	7.26	453.31	8.06	452.26
First Quarter '09	13.72	466.52	DRY	----	----	----	4.66	462.71	7.28	453.29	7.91	452.41
Second Quarter '09	14.06	466.18	DRY	----	----	----	6.68	460.69	7.48	453.09	8.11	452.21
Third Quarter '09	16.67	463.57	DRY	----	----	----	5.58	461.79	7.67	452.90	8.51	451.81
Fourth Quarter '09	15.18	465.06	DRY	----	----	----	4.53	462.84	7.46	453.11	8.10	452.22
First Quarter '10	----	----	DRY	----	----	----	5.77	461.60	7.41	453.16	8.08	452.24
Second Quarter '10	13.97	466.27	DRY	----	----	----	4.76	462.61	7.33	453.24	7.97	452.35
Third Quarter '10	14.81	465.43	DRY	----	----	----	5.56	461.81	8.07	452.50	8.55	451.77
Fourth Quarter '10	14.12	466.12	DRY	----	----	----	4.56	462.81	7.26	453.31	7.75	452.57
Second Quarter '11	14.19	466.05	DRY	----	----	----	6.14	461.23	7.55	453.02	8.08	452.24
Third Quarter '11	14.73	465.51	DRY	----	----	----	5.08	462.29	7.61	452.96	8.12	452.20
Fourth Quarter '11	13.71	466.53	DRY	----	----	----	5.48	461.89	7.31	453.26	7.90	452.42
Second Quarter '12	14.12	466.12	26.35	461.40	----	----	6.47	460.90	7.62	452.95	8.22	452.10
Third Quarter '12	14.69	465.55	DRY	----	----	----	7.36	460.01	9.49	451.08	9.03	451.29
Fourth Quarter '12	15.07	465.17	DRY	----	----	----	6.31	461.06	8.02	452.55	8.33	451.99
Second Quarter '13	14.21	466.03	DRY	----	----	----	6.32	461.05	7.64	452.93	8.26	452.06
Third Quarter '13	13.98	466.26	26.38	461.37	----	----	----	----	7.65	452.92	8.16	452.16
Fourth Quarter '13	14.12	466.12	DRY	----	----	----	----	----	7.14	453.43	8.13	452.19
Second Quarter '14	14.12	466.12	DRY	----	----	----	----	----	8.10	452.47	7.99	452.33
Third Quarter '14	14.2	466.04	DRY	----	----	----	----	----	8.43	452.14	8.08	452.24
Fourth Quarter '14	14.24	466.00	DRY	----	----	----	----	----	8.46	452.11	8.04	452.28
Second Quarter '15	14.14	466.10	DRY	----	----	----	----	----	8.35	452.22	8.25	452.07
Third Quarter '15	14.18	466.06	DRY	----	----	----	----	----	8.55	452.02	7.98	452.34
Fourth Quarter '15	14.06	466.18	DRY	----	----	----	----	----	7.99	452.58	8.11	452.21
Second Quarter '16	14.19	466.05	DRY	----	----	----	----	----	8.20	452.37	7.89	452.43
Third Quarter '16	15.34	464.90	DRY	----	----	----	----	----	DRY	----	9.38	450.94
Fourth Quarter '16	14.79	465.45	DRY	----	----	----	----	----	7.63	452.94	8.00	452.32
Second Quarter '17	13.45	466.79	DRY	----	----	----	----	----	7.55	453.02	7.64	452.68
Third Quarter '17	14.26	465.98	DRY	----	----	----	----	----	8.56	452.01	8.22	452.10
Fourth Quarter '17	13.94	466.30	DRY	----	----	----	----	----	8.01	452.56	8.09	452.23
Second Quarter '18	13.7	466.54	DRY	----	----	----	----	----	7.96	452.61	7.88	452.44
Third Quarter '18	14.78	465.46	DRY	----	----	----	----	----	8.66	451.91	8.43	451.89
Fourth Quarter '18	13.84	466.40	DRY	----	----	----	----	----	7.77	452.80	8.05	452.27
Second Quarter '19	13.91	466.33	DRY	----	----	----	----	----	8.05	452.52	8.02	452.30
Third Quarter '19	14.67	465.57	DRY	----	----	----	----	----	8.59	451.98	8.85	451.47
Change Since Previous Event	(0.76)		--		OMMISSIONED IN		COMMISSIONED IN 20		(0.54)		(0.83)	

NM - Not Measured

DRY - Well or piezometer was dry

TABLE 1
POST-CLOSURE GROUNDWATER MONITORING
SUMMARY OF GROUNDWATER LEVELS
GOULDS PUMPS, INC.

Well/Piezometer	P-8		P-9		P-10		P-11		P-13		MH	
Protective Casing Elevation	463.66		483.83		491.90		479.71		---		470.00	
Measuring Point Elevation	463.53		483.81		491.89		479.66		459.40		469.25	
Ground Elevation	461.45		481.29		489.40		476.47		455.99		----	
Date	DTW (ft)	ELEV (ft)	DTW (ft	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)	DTW (ft)	ELEV (ft)
First Quarter '07	6.90	456.63	DRY	----	29.21	462.68	23.31	456.35	4.11	455.29	15.94	453.31
Second Quarter '07	DRY	----	DRY	----	DRY	----	DRY	----	7.35	452.05	16.09	453.16
Third Quarter '07	DRY	----	DRY	----	DRY	----	DRY	----	9.43	449.97	16.04	453.21
Fourth Quarter '07	DRY	----	DRY	----	DRY	----	DRY	----	7.25	452.15	16.10	453.15
First Quarter '08	7.21	456.32	DRY	----	28.64	463.25	DRY	----	4.18	455.22	16.18	453.07
Second Quarter '08	DRY	----	DRY	----	DRY	----	DRY	----	7.25	452.15	16.09	453.16
Third Quarter '08	7.65	455.88	18	465.56	DRY	----	DRY	----	8.05	451.35	16.07	453.18
Fourth Quarter '08	7.22	454.23	DRY	----	DRY	----	DRY	----	4.28	455.12	16.06	453.19
First Quarter '09	7.20	454.25	DRY	----	29.02	462.87	DRY	----	4.64	454.76	16.12	453.13
Second Quarter '09	7.79	453.66	DRY	----	29.08	462.81	DRY	----	4.71	454.69	16.26	452.99
Third Quarter '09	DRY	----	DRY	----	29.82	462.07	DRY	----	6.49	452.91	16.32	452.93
Fourth Quarter '09	DRY	----	DRY	----	DRY	----	NM	----	4.21	455.19	16.14	453.11
First Quarter '10	NM	----	DRY	----	29.61	462.28	DRY	----	5.49	453.91	16.20	453.05
Second Quarter '10	7.38	456.15	DRY	----	29.73	462.16	DRY	----	4.54	454.86	15.98	453.27
Third Quarter '10	DRY	----	DRY	----	DRY	----	DRY	----	7.03	452.37	16.28	452.97
Fourth Quarter '10	7.13	456.40	DRY	----	29.78	462.11	DRY	----	4.39	455.01	15.83	453.42
Second Quarter '11	DRY	----	DRY	----	29.37	462.52	DRY	----	6.31	453.09	15.71	453.54
Third Quarter '11	DRY	----	DRY	----	29.70	462.19	DRY	----	6.78	452.62	15.82	453.43
Fourth Quarter '11	7.33	----	DRY	----	DRY	----	DRY	----	4.80	454.60	16.08	453.17
Second Quarter '12	DRY	----	18	465.57	DRY	----	DRY	----	6.44	452.96	17.29	451.96
Third Quarter '12	DRY	----	DRY	----	DRY	----	DRY	----	8.30	451.10	15.91	453.34
Fourth Quarter '12	DRY	----	DRY	----	DRY	----	DRY	----	4.92	454.48	15.98	453.27
Second Quarter '13	DRY	----	DRY	----	29.59	462.30	DRY	----	5.87	453.53	15.91	453.34
Third Quarter '13	DRY	----	DRY	----	29.86	462.03	DRY	----	6.14	453.26	15.93	453.32
Fourth Quarter '13	7.68	455.85	DRY	----	DRY	----	DRY	----	5.55	453.85	16.06	453.19
Second Quarter '14	DRY	----	DRY	----	DRY	----	DRY	----	6.26	453.14	16.09	453.16
Third Quarter '14	DRY	----	DRY	----	DRY	----	DRY	----	6.44	452.96	15.97	453.28
Fourth Quarter '14	DRY	----	DRY	----	DRY	----	DRY	----	4.67	454.73	15.99	453.26
Second Quarter '15	DRY	----	DRY	----	29.74	462.15	DRY	----	5.95	453.45	16.06	453.19
Third Quarter '15	DRY	----	DRY	----	30.03	461.86	DRY	----	7.00	452.40	15.93	453.32
Fourth Quarter '15	DRY	----	DRY	----	DRY	----	DRY	----	5.23	454.17	16.11	453.14
Second Quarter '16	DRY	----	DRY	----	29.51	462.38	22.44	457.22	5.08	454.32	15.92	453.33
Third Quarter '16	DRY	----	DRY	----	DRY	----	DRY	----	DRY	----	15.90	453.35
Fourth Quarter '16	DRY	----	DRY	----	DRY	----	DRY	----	4.05	455.35	15.95	453.30
Second Quarter '17	7.50	456.03	DRY	----	29.10	462.79	DRY	----	3.93	455.47	15.97	453.28
Third Quarter '17	DRY	----	DRY	----	29.90	461.99	DRY	----	6.50	452.90	15.99	453.26
Fourth Quarter '17	DRY	----	DRY	----	29.91	461.98	DRY	----	3.78	455.62	15.97	453.28
Second Quarter '18	DRY	----	DRY	----	29.34	462.55	DRY	----	3.65	455.75	15.83	453.42
Third Quarter '18	DRY	----	DRY	----	DRY	----	DRY	----	6.51	452.89	16.03	453.22
Fourth Quarter '18	DRY	----	DRY	----	29.65	462.24	DRY	----	4.54	454.86	15.98	453.27
Second Quarter '19	DRY	----	DRY	----	29.25	462.64	NM	----	3.98	455.42	15.93	453.32
Third Quarter '19	DRY	----	DRY	----	30.04	461.85	DRY	----	7.21	452.19	15.99	453.26
Change Since Previous Event	--		--		(0.79)		--		(3.23)		(0.06)	

NM - Not Measured

DRY - Well or piezometer was dry

Goulds Pumps, Inc.
Post-Closure Quarterly Inspection Form
Date of Inspection: September 23 2019

Weather Conditions: Overcast / rain
Temperature: 65º F
Wind Direction: W, SW

On-site Personnel: E. Moskal

Inspection Checklist - Site Features

Landfill Component	Acceptable	Not Acceptable	Comments
Cap System:			
General condition [1]	X		
Vegetative cover [2]	X		On cap vegetation mowed to an acceptable length.
Surface Water Drainage System:			
General condition of swales [3]	X		Acceptable level of water in swales.
Vegetative cover [2]	X		
Culvert beneath railroad tracks [4]	X		Clear of debris
Access Roadway:			
General condition	X		
Access control gate	X		
General condition	X		
Operation/lock/chain	X		Lock and chain has been placed across access road by Goulds to prevent unauthorized access to the landfill.
Culvert [4]	X		
Access Control Fencing and Gate:			
General condition/alignment	X		Fence is in good condition.
Operation/lock/chain	X		
Adjacent Areas:			
General condition [1]	X		
Vegetative cover [2]	X		
Surface drainage [3]	X		Surface drainage appears satisfactory

Notes:

(1) Note areas of erosion, settlement, leachate breakthrough, and animal burrowing. Show on site sketch.

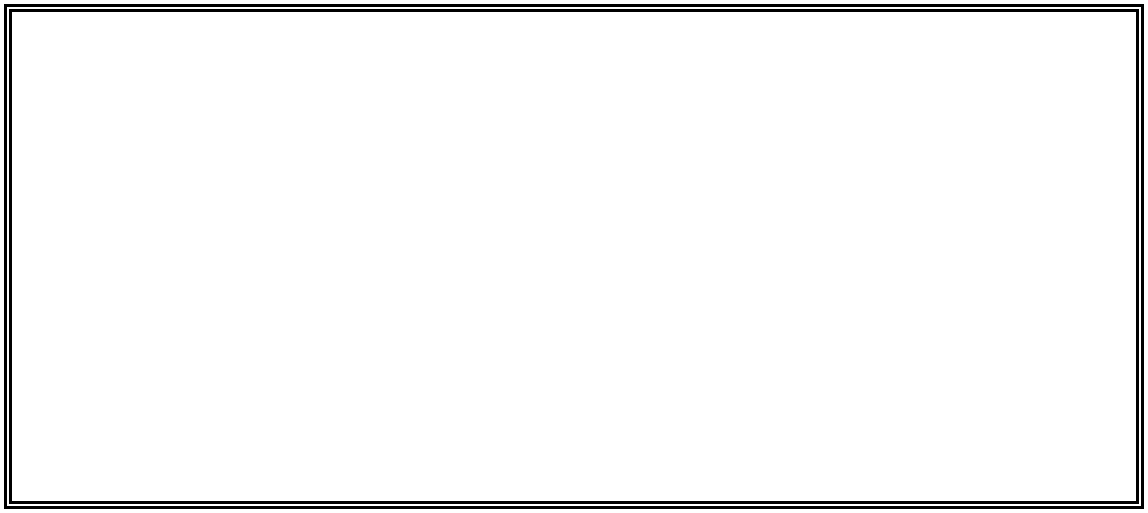
(2) Note bare areas and areas of unwanted intrusive vegetation. Show on site sketch.

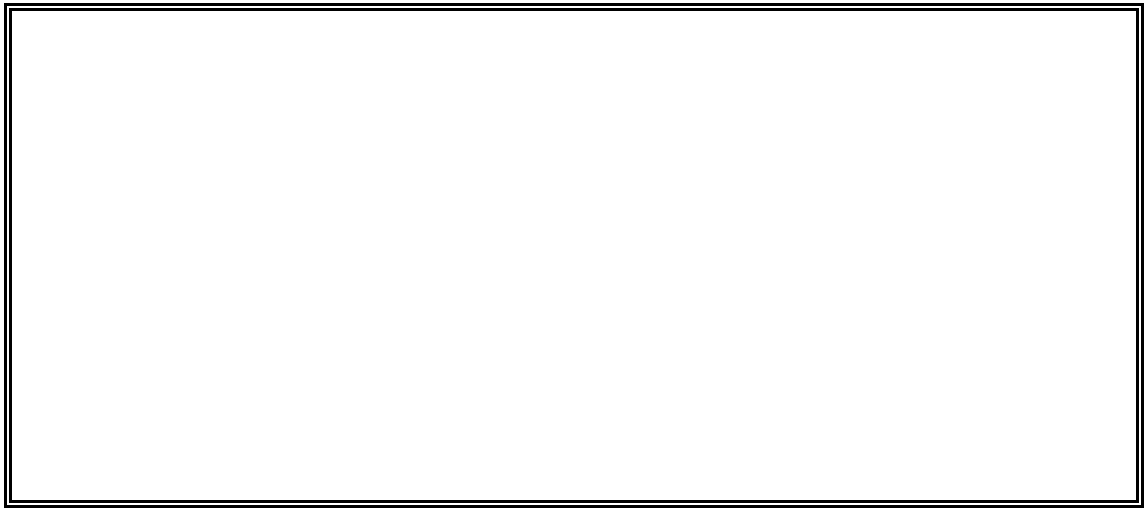
(3) Note areas of ponding, erosion, sedimentation, and discoloration. Show on site sketch.

(4) Note damage, ponding, and erosion. Sketch if necessary.

Goulds Pumps, Inc.
Post-Closure Quarterly Inspection Form
Date of Inspection: September 23 2019

Additional Sketches and Comments





Comments: None.

Comments: None.

Goulds Pumps, Inc.
Post-Closure Quarterly Inspection Form
Date of Inspection: September 23 2019

Inspection Checklist - Monitoring Features

Monitoring Wells:	MW-1S	MW-2S	MW-2D	MW-2R	MW-4S	MW-4D	MW-5S	MW-5D	MW-5R	MW-7S(*)	MW-8S	MW-8D	MW-8R
General condition/alignment [1]	A	A	A	A	A	A	A	A	A	A	A	A	A
Lock/Cap [1]	A	A	A	A	A	A	A	A	A	A	A	A	A
Depth to water (ft)	9.64	7.60	7.42	24.37	6.44	9.97	5.29	9.59	15.87	4.81	9.30	19.52	15.91
Time reading taken	1650	1645	1646	1648	1640	1642	1710	1700	1705	1550	1600	1605	1603
Piezometers:	P-1	P-2	P-4[3]	P-5[3]	P-6	P-7	P-8	P-9	P-10	P-11	P-12	P-13	
General condition/alignment [1]	A	A	-	-	A	A	A	A	A	A	A	A[5]	
Lock/Cap [1]	A[4,5]	A	-	-	A	A	A	A	A	A	A	A	
Condition of boot/strapping [1]	A	A	-	-	A	A	A	A	A	A	A	A	
Depth to water (ft)	14.67	DRY	-	-	8.59	8.85	DRY	DRY	30.04	DRY	DRY	7.21	
Time reading taken	1652	1635	-	-	1608	1612	1718	1654	1633	1628	1620	1615	
							(2)						
Leachate Collection Manhole:	MH												
General condition [1]	A												
Cover [1]	A												
Condition of boot/strapping [1]	A												
Depth to water (ft)	15.99												
Time reading taken	1715												
Gas Vents:	GV-1	GV-2	GV-3	GV-4	GV-5	GV-6	GV-7	GV-8	GV-9	GV-10	GV-11		
General condition/alignment [1]	A	A	A	A	A	A	A	A	A	A	A		
Condition of boot/strapping [1]	A	A	A	A	A	A	A	A	A	A	A		
Explosive gas reading (%LEL)	0	0	0	0	0	0	0	0	0	0	0		
Time reading taken	1622	1624	1656	1640	1632	1655	1636	1653	1654	1651	1651		
Perimeter Monitoring of Gases:	UW-1	DW-1	DW-2										
Explosive gas reading (%LEL)	0	0	0										
Time reading taken	1614	1548	1701										

Note (1): Respond to question as either Acceptable (A) or Not Acceptable (NA) for each respective location.

(2): Frost heave has elevated concrete collar. Not a sampling point so acceptable.

(3): P-4 and P-5 were decommissioned.

(4): Cap hinge broken

(5): PVC procasing damaged, needs repair

(*): In locked fence area

APPENDIX C

Fourth Quarter 2019 Summary Data Package

ANALYTICAL REPORT

Lab Number:	L1959766
Client:	Arcadis U.S, Inc. 855 Route 146, Suite 210 Clifton Park, NY 12065
ATTN:	Elias Moskal
Phone:	(518) 250-7300
Project Name:	ITT GOULDS PUMPS
Project Number:	30001785
Report Date:	12/20/19

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: ITT GOULDS PUMPS
Project Number: 30001785

Lab Number: L1959766
Report Date: 12/20/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1959766-01	MW-8S	WATER	SENECA FALLS, NY	12/12/19 13:39	12/12/19
L1959766-02	MW-8D	WATER	SENECA FALLS, NY	12/12/19 15:01	12/12/19
L1959766-03	MW-4S	WATER	SENECA FALLS, NY	12/12/19 14:32	12/12/19
L1959766-04	MW-4D	WATER	SENECA FALLS, NY	12/12/19 11:50	12/12/19
L1959766-05	MW-2D	WATER	SENECA FALLS, NY	12/12/19 12:53	12/12/19
L1959766-06	MW-5S	WATER	SENECA FALLS, NY	12/12/19 09:23	12/12/19
L1959766-07	MW-5R	WATER	SENECA FALLS, NY	12/12/19 10:00	12/12/19
L1959766-08	MW-5D	WATER	SENECA FALLS, NY	12/12/19 10:28	12/12/19
L1959766-09	MW-7S	WATER	SENECA FALLS, NY	12/12/19 10:56	12/12/19
L1959766-10	MW-1S	WATER	SENECA FALLS, NY	12/12/19 11:36	12/12/19
L1959766-11	MW-2S	WATER	SENECA FALLS, NY	12/12/19 13:15	12/12/19
L1959766-12	MW-2R	WATER	SENECA FALLS, NY	12/12/19 14:45	12/12/19
L1959766-13	MANHOLE	WATER	SENECA FALLS, NY	12/12/19 14:55	12/12/19
L1959766-14	MW-8R	WATER	SENECA FALLS, NY	12/12/19 15:46	12/12/19

Project Name:	ITT GOULDS PUMPS	**Lab Number:**	L1959766
Project Number:	30001785	**Report Date:**	12/20/19

Case Narrative

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

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

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

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

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

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

Project Name: ITT GOULDS PUMPS
Project Number: 30001785
Lab Number: L1959766
Report Date: 12/20/19

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.

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: 12/20/19

METALS

Project Name: ITT GOULDS PUMPS
Project Number: 30001785
Lab Number: L1959766
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-01
Client ID: MW-8S
Sample Location: SENECA FALLS, NY
Date Collected: 12/12/19 13:39
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Barium, Total	0.052		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Calcium, Total	60.6		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Copper, Total	0.005	J	mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Iron, Total	0.073		mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Magnesium, Total	88.3		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Manganese, Total	0.007	J	mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:17	EPA 245.1	3,245.1	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Potassium, Total	4.03		mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Sodium, Total	32.6		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Thallium, Total	0.003	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC
Zinc, Total	0.004	J	mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 16:25	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Project Number: 30001785
Lab Number: L1959766
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-02
Client ID: MW-8D
Sample Location: SENECA FALLS, NY
Date Collected: 12/12/19 15:01
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.065	J	mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Arsenic, Total	0.007		mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Barium, Total	0.032		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Calcium, Total	76.2		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Copper, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Iron, Total	0.117		mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Magnesium, Total	153		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Manganese, Total	0.026		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:19	EPA 245.1	3,245.1	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Potassium, Total	11.0		mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Sodium, Total	50.3		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Thallium, Total	0.003	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC
Zinc, Total	0.002	J	mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 16:30	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Project Number: 30001785
Lab Number: L1959766
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-03
Client ID: MW-4S
Sample Location: SENECA FALLS, NY
Date Collected: 12/12/19 14:32
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Barium, Total	0.024		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Calcium, Total	70.3		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Copper, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Iron, Total	0.174		mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Magnesium, Total	134		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Manganese, Total	0.030		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:22	EPA 245.1	3,245.1	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Potassium, Total	3.71		mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Sodium, Total	49.7		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Thallium, Total	0.003	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC
Zinc, Total	ND		mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 16:35	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Project Number: 30001785
Lab Number: L1959766
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-04
Client ID: MW-4D
Sample Location: SENECA FALLS, NY
Date Collected: 12/12/19 11:50
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.175		mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Barium, Total	0.018		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Calcium, Total	195		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Copper, Total	0.003	J	mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Iron, Total	0.229		mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Magnesium, Total	316		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Manganese, Total	0.070		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:24	EPA 245.1	3,245.1	GD
Nickel, Total	0.003	J	mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Potassium, Total	6.67		mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Sodium, Total	96.3		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Thallium, Total	0.004	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC
Zinc, Total	0.006	J	mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 16:39	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Project Number: 30001785
Lab Number: L1959766
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-05
Client ID: MW-2D
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 12/12/19 12:53
Date Received: 12/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.077	J	mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Arsenic, Total	0.003	J	mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Barium, Total	0.035		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Calcium, Total	66.7		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Cobalt, Total	0.002	J	mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Copper, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Iron, Total	0.278		mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Magnesium, Total	104		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 19:37	EPA 3005A	19,200.7	LC
Manganese, Total	0.083		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:26	EPA 245.1	3,245.1	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Potassium, Total	4.44		mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Sodium, Total	42.8		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Thallium, Total	0.004	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC
Zinc, Total	0.004	J	mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 16:58	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Project Number: 30001785
Lab Number: L1959766
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-06
Client ID: MW-5S
Sample Location: SENECA FALLS, NY
Date Collected: 12/12/19 09:23
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Barium, Total	0.068		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Calcium, Total	214		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Copper, Total	0.005	J	mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Iron, Total	ND		mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Magnesium, Total	318		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 19:42	EPA 3005A	19,200.7	LC
Manganese, Total	0.014		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:28	EPA 245.1	3,245.1	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Potassium, Total	8.52		mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Sodium, Total	280		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Thallium, Total	0.004	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC
Zinc, Total	ND		mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 17:03	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Project Number: 30001785
Lab Number: L1959766
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-07
Client ID: MW-5R
Sample Location: SENECA FALLS, NY
Date Collected: 12/12/19 10:00
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.212		mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Barium, Total	0.019		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Calcium, Total	524		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Copper, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Iron, Total	0.845		mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Magnesium, Total	80.6		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 19:47	EPA 3005A	19,200.7	LC
Manganese, Total	0.042		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:31	EPA 245.1	3,245.1	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Potassium, Total	6.04		mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Sodium, Total	90.2		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Thallium, Total	0.002	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC
Zinc, Total	0.008	J	mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 17:08	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Lab Number: L1959766
Project Number: 30001785
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-08
Client ID: MW-5D
Sample Location: SENECA FALLS, NY
Date Collected: 12/12/19 10:28
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.859		mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Barium, Total	0.046		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Calcium, Total	253		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Chromium, Total	0.008	J	mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Copper, Total	0.007	J	mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Iron, Total	5.07		mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Lead, Total	0.005	J	mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Magnesium, Total	203		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 19:52	EPA 3005A	19,200.7	LC
Manganese, Total	0.084		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:38	EPA 245.1	3,245.1	GD
Nickel, Total	0.006	J	mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Potassium, Total	9.51		mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Sodium, Total	197		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Thallium, Total	0.003	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Vanadium, Total	0.002	J	mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC
Zinc, Total	1.82		mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 17:13	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Project Number: 30001785
Lab Number: L1959766
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-09
Client ID: MW-7S
Sample Location: SENECA FALLS, NY
Date Collected: 12/12/19 10:56
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Barium, Total	0.053		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Calcium, Total	72.7		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Copper, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Iron, Total	0.546		mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Magnesium, Total	22.8		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 19:57	EPA 3005A	19,200.7	LC
Manganese, Total	0.466		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:40	EPA 245.1	3,245.1	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Potassium, Total	2.37	J	mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Sodium, Total	25.4		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Thallium, Total	0.004	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC
Zinc, Total	ND		mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 17:18	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Project Number: 30001785
Lab Number: L1959766
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-10
Client ID: MW-1S
Sample Location: SENECA FALLS, NY
Sample Depth:
Matrix: Water

Date Collected: 12/12/19 11:36
Date Received: 12/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Barium, Total	0.033		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Calcium, Total	65.7		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Copper, Total	0.002	J	mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Iron, Total	0.016	J	mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Magnesium, Total	102		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 20:02	EPA 3005A	19,200.7	LC
Manganese, Total	0.007	J	mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:42	EPA 245.1	3,245.1	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Potassium, Total	4.00		mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Sodium, Total	24.8		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Thallium, Total	0.003	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC
Zinc, Total	ND		mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 17:23	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Project Number: 30001785
Lab Number: L1959766
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-11
Client ID: MW-2S
Sample Location: SENECA FALLS, NY
Date Collected: 12/12/19 13:15
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Barium, Total	0.066		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Calcium, Total	58.8		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Copper, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Iron, Total	0.045	J	mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Magnesium, Total	97.1		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 20:07	EPA 3005A	19,200.7	LC
Manganese, Total	0.005	J	mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:44	EPA 245.1	3,245.1	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Potassium, Total	2.30	J	mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Sodium, Total	31.6		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Thallium, Total	0.003	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC
Zinc, Total	ND		mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 17:28	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Lab Number: L1959766
Project Number: 30001785
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-12
Client ID: MW-2R
Sample Location: SENECA FALLS, NY
Date Collected: 12/12/19 14:45
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.536		mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Arsenic, Total	0.015		mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Barium, Total	0.020		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Calcium, Total	241		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Copper, Total	0.002	J	mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Iron, Total	2.19		mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Lead, Total	0.004	J	mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Magnesium, Total	84.3		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 20:11	EPA 3005A	19,200.7	LC
Manganese, Total	0.053		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:47	EPA 245.1	3,245.1	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Potassium, Total	2.46	J	mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Sodium, Total	46.4		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Thallium, Total	0.003	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC
Zinc, Total	0.010	J	mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 17:32	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Lab Number: L1959766
Project Number: 30001785
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-13
Client ID: MANHOLE
Sample Location: SENECA FALLS, NY
Date Collected: 12/12/19 14:55
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12.9		mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Antimony, Total	0.021	J	mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Arsenic, Total	0.012		mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Barium, Total	0.932		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Cadmium, Total	0.008		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Calcium, Total	295		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Chromium, Total	0.065		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Cobalt, Total	0.033		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Copper, Total	1.81		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Iron, Total	212		mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Lead, Total	0.534		mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Magnesium, Total	51.6		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 20:16	EPA 3005A	19,200.7	LC
Manganese, Total	2.75		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Mercury, Total	0.00337		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:49	EPA 245.1	3,245.1	GD
Nickel, Total	0.198		mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Potassium, Total	38.6		mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Selenium, Total	0.008	J	mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Sodium, Total	29.3		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Thallium, Total	0.006	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Vanadium, Total	0.170		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC
Zinc, Total	1.67		mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 17:37	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Lab Number: L1959766
Project Number: 30001785
Report Date: 12/20/19

SAMPLE RESULTS

Lab ID: L1959766-14
Client ID: MW-8R
Sample Location: SENECA FALLS, NY
Date Collected: 12/12/19 15:46
Date Received: 12/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.355		mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Barium, Total	0.008	J	mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Calcium, Total	537		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Copper, Total	0.002	J	mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Iron, Total	1.45		mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Magnesium, Total	114		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 20:44	EPA 3005A	19,200.7	LC
Manganese, Total	0.033		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/17/19 16:44	12/18/19 11:51	EPA 245.1	3,245.1	GD
Nickel, Total	ND		mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Potassium, Total	7.43		mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Sodium, Total	158		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Thallium, Total	ND		mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC
Zinc, Total	0.004	J	mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 17:51	EPA 3005A	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Project Number: 30001785
Lab Number: L1959766
Report Date: 12/20/19

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-14 Batch: WG1321895-1										
Mercury, Total	ND		mg/l	0.0002	0.0001	1	12/17/19 16:44	12/18/19 10:45	3,245.1	GD

Prep Information

Digestion Method: EPA 245.1

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-14 Batch: WG1321993-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Barium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Calcium, Total	ND		mg/l	0.100	0.035	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Copper, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Iron, Total	ND		mg/l	0.050	0.009	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Lead, Total	ND		mg/l	0.010	0.003	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Magnesium, Total	ND		mg/l	0.100	0.015	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Manganese, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Nickel, Total	ND		mg/l	0.025	0.002	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Potassium, Total	ND		mg/l	2.50	0.237	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Silver, Total	ND		mg/l	0.007	0.003	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Sodium, Total	ND		mg/l	2.00	0.120	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Thallium, Total	0.003	J	mg/l	0.020	0.003	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC
Zinc, Total	ND		mg/l	0.050	0.002	1	12/17/19 22:58	12/19/19 15:06	19,200.7	LC

Project Name: ITT GOULDS PUMPS
Project Number: 30001785
Lab Number: L1959766
Report Date: 12/20/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: ITT GOULDS PUMPS

Project Number: 30001785

Lab Number: L1959766

Report Date: 12/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 Batch: WG1321895-2								
Mercury, Total	101		-		85-115	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ITT GOULDS PUMPS

Project Number: 30001785

Lab Number: L1959766

Report Date: 12/20/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 Batch: WG1321993-2					
Aluminum, Total	104	-	85-115	-	
Antimony, Total	101	-	85-115	-	
Arsenic, Total	99	-	85-115	-	
Barium, Total	100	-	85-115	-	
Beryllium, Total	101	-	85-115	-	
Cadmium, Total	104	-	85-115	-	
Calcium, Total	103	-	85-115	-	
Chromium, Total	102	-	85-115	-	
Cobalt, Total	102	-	85-115	-	
Copper, Total	96	-	85-115	-	
Iron, Total	105	-	85-115	-	
Lead, Total	94	-	85-115	-	
Magnesium, Total	101	-	85-115	-	
Manganese, Total	96	-	85-115	-	
Nickel, Total	101	-	85-115	-	
Potassium, Total	101	-	85-115	-	
Selenium, Total	100	-	85-115	-	
Silver, Total	101	-	85-115	-	
Sodium, Total	102	-	85-115	-	
Thallium, Total	95	-	85-115	-	
Vanadium, Total	101	-	85-115	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: ITT GOULDS PUMPS

Project Number: 30001785

Lab Number: L1959766

Report Date: 12/20/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 Batch: WG1321993-2					
Zinc, Total	107	-	85-115	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: ITT GOULDS PUMPS
Project Number: 30001785

Lab Number: L1959766
Report Date: 12/20/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1321895-3 QC Sample: L1959701-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00490	98		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1321895-5 QC Sample: L1959701-06 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00490	98		-	-		70-130	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: ITT GOULDS PUMPS
Project Number: 30001785

Lab Number: L1959766
Report Date: 12/20/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1321993-3 QC Sample: L1959710-01 Client ID: MS Sample									
Aluminum, Total	12.8	2	15.1	115	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.530	106	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.126	105	-	-	75-125	-	20
Barium, Total	0.007J	2	2.05	102	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.052	105	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.053	103	-	-	75-125	-	20
Calcium, Total	1.14	10	11.5	104	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.208	104	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.498	100	-	-	75-125	-	20
Copper, Total	0.444	0.25	0.714	108	-	-	75-125	-	20
Iron, Total	0.151	1	1.22	107	-	-	75-125	-	20
Lead, Total	0.005J	0.51	0.460	90	-	-	75-125	-	20
Magnesium, Total	0.131	10	9.79	96	-	-	75-125	-	20
Manganese, Total	0.007J	0.5	0.492	98	-	-	75-125	-	20
Nickel, Total	0.018J	0.5	0.509	102	-	-	75-125	-	20
Potassium, Total	0.619J	10	11.9	119	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.130	108	-	-	75-125	-	20
Silver, Total	ND	0.05	0.055	110	-	-	75-125	-	20
Sodium, Total	321	10	330	90	-	-	75-125	-	20
Thallium, Total	0.003J	0.12	0.104	87	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.522	104	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ITT GOULDS PUMPS
Project Number: 30001785

Lab Number: L1959766
Report Date: 12/20/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1321993-3 QC Sample: L1959710-01 Client ID: MS Sample									
Zinc, Total	0.169	0.5	0.701	106	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ITT GOULDS PUMPS
Project Number: 30001785

Lab Number: L1959766
Report Date: 12/20/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1321993-7 QC Sample: L1959714-01 Client ID: MS Sample									
Aluminum, Total	ND	2	2.06	103	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.501	100	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.124	103	-	-	75-125	-	20
Barium, Total	ND	2	1.98	99	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.050	101	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.053	105	-	-	75-125	-	20
Calcium, Total	10.3	10	20.6	103	-	-	75-125	-	20
Chromium, Total	0.006J	0.2	0.213	106	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.502	100	-	-	75-125	-	20
Copper, Total	0.008J	0.25	0.246	98	-	-	75-125	-	20
Iron, Total	ND	1	1.05	105	-	-	75-125	-	20
Lead, Total	ND	0.51	0.472	92	-	-	75-125	-	20
Magnesium, Total	1.98	10	12.0	100	-	-	75-125	-	20
Manganese, Total	ND	0.5	0.475	95	-	-	75-125	-	20
Nickel, Total	0.006J	0.5	0.502	100	-	-	75-125	-	20
Potassium, Total	2.93	10	13.3	104	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.126	105	-	-	75-125	-	20
Silver, Total	ND	0.05	0.052	104	-	-	75-125	-	20
Sodium, Total	78.2	10	87.7	95	-	-	75-125	-	20
Thallium, Total	0.003J	0.12	0.111	92	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.507	101	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: ITT GOULDS PUMPS
Project Number: 30001785

Lab Number: L1959766
Report Date: 12/20/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1321993-7 QC Sample: L1959714-01 Client ID: MS Sample									
Zinc, Total	0.017J	0.5	0.555	111	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: ITT GOULDS PUMPS
Project Number: 30001785

Lab Number: L1959766
Report Date: 12/20/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1321895-4 QC Sample: L1959701-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1321895-6 QC Sample: L1959701-06 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1321993-4 QC Sample: L1959710-01 Client ID: DUP Sample						
Lead, Total	0.005J	0.005J	mg/l	NC		20
Zinc, Total	0.169	0.172	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 01-14 QC Batch ID: WG1321993-8 QC Sample: L1959714-01 Client ID: DUP Sample						
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.006J	0.007J	mg/l	NC		20
Copper, Total	0.008J	0.008J	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	0.006J	0.007J	mg/l	NC		20
Zinc, Total	0.017J	0.017J	mg/l	NC		20

Project Name: ITT GOULDS PUMPS
Project Number: 30001785

Lab Number: L1959766
Report Date: 12/20/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1959766-01A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		NI-UI(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),SB-UI(180),BA-UI(180),AG-UI(180),CR-6020T(180),CA-UI(180),NI-6020T(180),CA-6020T(180),K-6020T(180),ZN-UI(180),CU-6020T(180),K-UI(180),ZN-6020T(180),CO-UI(180),NA-6020T(180),FE-UI(180),PB-6020T(180),SE-UI(180),MG-UI(180),BE-6020T(180),MN-6020T(180),HG-U(28),AS-6020T(180),CD-UI(180),SB-6020T(180),V-6020T(180),AL-UI(180),AG-6020T(180),AL-6020T(180),CR-UI(180),CD-6020T(180),HG-T(28),MG-6020T(180),MN-UI(180),NA-UI(180),BE-UI(180),PB-UI(180),CO-6020T(180),TL-UI(180),AS-UI(180),CU-UI(180),V-UI(180)
L1959766-02A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		FE-6020T(180),SB-UI(180),TL-6020T(180),NI-UI(180),SE-6020T(180),BA-6020T(180),BA-UI(180),CR-6020T(180),NI-6020T(180),K-6020T(180),CA-6020T(180),ZN-UI(180),AG-UI(180),CA-UI(180),CO-UI(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),K-UI(180),SE-UI(180),PB-6020T(180),FE-UI(180),MG-UI(180),MN-6020T(180),HG-U(28),BE-6020T(180),SB-6020T(180),CD-UI(180),V-6020T(180),AS-6020T(180),CR-UI(180),AL-UI(180),NA-UI(180),BE-UI(180),CD-6020T(180),HG-T(28),MN-UI(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),CU-UI(180),CO-6020T(180),AS-UI(180),V-UI(180),PB-UI(180),TL-UI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1959766-03A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),BA-UI(180),NI-UI(180),FE-6020T(180),SB-UI(180),K-6020T(180),NI-6020T(180),CA-UI(180),AG-UI(180),CA-6020T(180),CR-6020T(180),ZN-UI(180),NA-6020T(180),CO-UI(180),CU-6020T(180),ZN-6020T(180),K-UI(180),FE-UI(180),PB-6020T(180),SE-UI(180),MG-UI(180),BE-6020T(180),MN-6020T(180),HG-U(28),CD-UI(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AL-6020T(180),CD-6020T(180),BE-UI(180),MN-UI(180),AL-UI(180),AG-6020T(180),NA-UI(180),HG-T(28),MG-6020T(180),CR-UI(180),CO-6020T(180),PB-UI(180),CU-UI(180),V-UI(180),AS-UI(180),TL-UI(180)
L1959766-04A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),BA-UI(180),SB-UI(180),NI-UI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-UI(180),ZN-UI(180),AG-UI(180),K-UI(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),CO-UI(180),SE-UI(180),PB-6020T(180),FE-UI(180),MG-UI(180),BE-6020T(180),HG-U(28),MN-6020T(180),SB-6020T(180),CD-UI(180),V-6020T(180),AS-6020T(180),CR-UI(180),AL-6020T(180),AL-UI(180),HG-T(28),NA-UI(180),AG-6020T(180),MG-6020T(180),CD-6020T(180),MN-UI(180),BE-UI(180),CU-UI(180),V-UI(180),AS-UI(180),PB-UI(180),TL-UI(180),CO-6020T(180)
L1959766-05A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-UI(180),FE-6020T(180),SE-6020T(180),NI-UI(180),BA-6020T(180),SB-UI(180),TL-6020T(180),CA-6020T(180),NI-6020T(180),CA-UI(180),ZN-UI(180),K-6020T(180),CR-6020T(180),AG-UI(180),ZN-6020T(180),CU-6020T(180),K-UI(180),CO-UI(180),NA-6020T(180),SE-UI(180),MG-UI(180),FE-UI(180),PB-6020T(180),MN-6020T(180),HG-U(28),BE-6020T(180),AS-6020T(180),CD-UI(180),SB-6020T(180),V-6020T(180),HG-T(28),AL-UI(180),AG-6020T(180),BE-UI(180),MN-UI(180),NA-UI(180),CD-6020T(180),MG-6020T(180),CR-UI(180),AL-6020T(180),PB-UI(180),CU-UI(180),TL-UI(180),AS-UI(180),V-UI(180),CO-6020T(180)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1959766-06A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-6020T(180),BA-UI(180),NI-UI(180),SB-UI(180),TL-6020T(180),SE-6020T(180),FE-6020T(180),AG-UI(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),ZN-UI(180),CA-UI(180),NA-6020T(180),CO-UI(180),K-UI(180),ZN-6020T(180),CU-6020T(180),SE-UI(180),MG-UI(180),PB-6020T(180),FE-UI(180),BE-6020T(180),HG-U(28),MN-6020T(180),V-6020T(180),CD-UI(180),SB-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),BE-UI(180),AL-UI(180),MN-UI(180),HG-T(28),AL-6020T(180),CR-UI(180),MG-6020T(180),NA-UI(180),TL-UI(180),CO-6020T(180),CU-UI(180),V-UI(180),AS-UI(180),PB-UI(180)
L1959766-07A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-6020T(180),NI-UI(180),SB-UI(180),BA-UI(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CR-6020T(180),AG-UI(180),CA-6020T(180),CA-UI(180),K-6020T(180),NI-6020T(180),ZN-UI(180),CO-UI(180),NA-6020T(180),CU-6020T(180),K-UI(180),ZN-6020T(180),FE-UI(180),SE-UI(180),PB-6020T(180),MG-UI(180),MN-6020T(180),HG-U(28),BE-6020T(180),AS-6020T(180),V-6020T(180),CD-UI(180),SB-6020T(180),AL-6020T(180),CD-6020T(180),BE-UI(180),HG-T(28),MN-UI(180),MG-6020T(180),NA-UI(180),AG-6020T(180),CR-UI(180),AL-UI(180),PB-UI(180),V-UI(180),AS-UI(180),CO-6020T(180),CU-UI(180),TL-UI(180)
L1959766-08A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		FE-6020T(180),SB-UI(180),NI-UI(180),TL-6020T(180),BA-UI(180),BA-6020T(180),SE-6020T(180),AG-UI(180),CR-6020T(180),CA-6020T(180),ZN-UI(180),K-6020T(180),CA-UI(180),NI-6020T(180),K-UI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),CO-UI(180),FE-UI(180),MG-UI(180),PB-6020T(180),SE-UI(180),MN-6020T(180),BE-6020T(180),HG-U(28),SB-6020T(180),V-6020T(180),AS-6020T(180),CD-UI(180),CR-UI(180),BE-UI(180),AG-6020T(180),CD-6020T(180),AL-6020T(180),MN-UI(180),NA-UI(180),AL-UI(180),HG-T(28),MG-6020T(180),AS-UI(180),CO-6020T(180),CU-UI(180),PB-UI(180),TL-UI(180),V-UI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1959766-09A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-6020T(180),SB-UI(180),FE-6020T(180),SE-6020T(180),NI-UI(180),TL-6020T(180),BA-UI(180),CA-6020T(180),AG-UI(180),K-6020T(180),NI-6020T(180),ZN-UI(180),CA-UI(180),CR-6020T(180),CU-6020T(180),CO-UI(180),K-UI(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),FE-UI(180),MG-UI(180),SE-UI(180),BE-6020T(180),HG-U(28),MN-6020T(180),SB-6020T(180),AS-6020T(180),CD-UI(180),V-6020T(180),BE-UI(180),HG-T(28),AL-UI(180),AL-6020T(180),NA-UI(180),CD-6020T(180),CR-UI(180),MN-UI(180),AG-6020T(180),MG-6020T(180),TL-UI(180),AS-UI(180),CO-6020T(180),CU-UI(180),PB-UI(180),V-UI(180)
L1959766-10A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),BA-UI(180),SB-UI(180),NI-UI(180),CA-6020T(180),K-6020T(180),AG-UI(180),CA-UI(180),NI-6020T(180),ZN-UI(180),CR-6020T(180),NA-6020T(180),CU-6020T(180),CO-UI(180),K-UI(180),ZN-6020T(180),PB-6020T(180),FE-UI(180),MG-UI(180),SE-UI(180),BE-6020T(180),HG-U(28),MN-6020T(180),V-6020T(180),AS-6020T(180),CD-UI(180),SB-6020T(180),CR-UI(180),HG-T(28),BE-UI(180),NA-UI(180),AG-6020T(180),MG-6020T(180),MN-UI(180),CD-6020T(180),AL-6020T(180),AL-UI(180),CO-6020T(180),TL-UI(180),V-UI(180),AS-UI(180),CU-UI(180),PB-UI(180)
L1959766-11A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		NI-UI(180),TL-6020T(180),BA-UI(180),FE-6020T(180),BA-6020T(180),SB-UI(180),SE-6020T(180),CR-6020T(180),AG-UI(180),ZN-UI(180),CA-UI(180),K-6020T(180),CA-6020T(180),NI-6020T(180),CU-6020T(180),CO-UI(180),NA-6020T(180),K-UI(180),ZN-6020T(180),MG-UI(180),PB-6020T(180),FE-UI(180),SE-UI(180),HG-U(28),BE-6020T(180),MN-6020T(180),CD-UI(180),SB-6020T(180),V-6020T(180),AS-6020T(180),BE-UI(180),AG-6020T(180),AL-6020T(180),HG-T(28),AL-UI(180),CD-6020T(180),CR-UI(180),MG-6020T(180),MN-UI(180),NA-UI(180),CO-6020T(180),AS-UI(180),V-UI(180),CU-UI(180),TL-UI(180),PB-UI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1959766-12A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		SB-UI(180),TL-6020T(180),SE-6020T(180),BA-6020T(180),NI-UI(180),BA-UI(180),FE-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),ZN-UI(180),AG-UI(180),CA-UI(180),CO-UI(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),K-UI(180),FE-UI(180),MG-UI(180),PB-6020T(180),SE-UI(180),BE-6020T(180),HG-U(28),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-UI(180),CD-6020T(180),CR-UI(180),AL-6020T(180),BE-UI(180),MG-6020T(180),AG-6020T(180),HG-T(28),NA-UI(180),AL-UI(180),MN-UI(180),AS-UI(180),CU-UI(180),CO-6020T(180),V-UI(180),PB-UI(180),TL-UI(180)
L1959766-13A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),NI-UI(180),SB-UI(180),TL-6020T(180),BA-UI(180),CR-6020T(180),NI-6020T(180),AG-UI(180),CA-6020T(180),ZN-UI(180),CA-UI(180),K-6020T(180),NA-6020T(180),CO-UI(180),K-UI(180),ZN-6020T(180),CU-6020T(180),FE-UI(180),PB-6020T(180),SE-UI(180),MG-UI(180),BE-6020T(180),MN-6020T(180),HG-U(28),SB-6020T(180),V-6020T(180),CD-UI(180),AS-6020T(180),BE-UI(180),CR-UI(180),AG-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),MN-UI(180),AL-6020T(180),AL-UI(180),NA-UI(180),CO-6020T(180),PB-UI(180),V-UI(180),TL-UI(180),CU-UI(180),AS-UI(180)
L1959766-14A	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-UI(180),NI-UI(180),BA-6020T(180),SE-6020T(180),SB-UI(180),TL-6020T(180),FE-6020T(180),CA-UI(180),K-6020T(180),AG-UI(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),ZN-UI(180),K-UI(180),CO-UI(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),MG-UI(180),FE-UI(180),PB-6020T(180),SE-UI(180),BE-6020T(180),HG-U(28),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-UI(180),MN-UI(180),NA-UI(180),AG-6020T(180),MG-6020T(180),BE-UI(180),CD-6020T(180),HG-T(28),AL-6020T(180),AL-UI(180),CR-UI(180),V-UI(180),AS-UI(180),PB-UI(180),CO-6020T(180),CU-UI(180),TL-UI(180)

*Values in parentheses indicate holding time in days

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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

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.

Footnotes

Report Format: DU Report with 'J' Qualifiers

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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.

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'.

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. 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.

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 Identified Compounds (TICs).

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.)

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

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Project Number:	30001785	**Report Date:**	12/20/19

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
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.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **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), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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: 12/13/19

ALPHA Job #: L1959766

Client Information
Client: Arcadis US Inc.
Address: 855 Route 146 suite210
Clifton Park, NY, 12065
Phone: (518) 250-7300
Fax:
Email: elias.moska@arcadis.com

Project Information
Project Name: ITT Goulds Pumps
Project Location: Seneca Falls, NY
Project #: 30001785
(Use Project name as Project #) ☐
Project Manager: Elias Moska
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 same as April 2019

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 specify Metals or (TAL)

ANALYSIS

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	TAL Metals+Hg	Total Bottle	Sample Specific Comments
59766-01	MW-8S	12/11/19	1339	GW	AG	X		
-02	MW-8D	12/12/19	1501	GW	AG	X		
-03	MW-4S	12/11/19	1432	GW	AG	X		
-04	MW-4D	12/12/19	1150	GW	AG	X		
-05	MW-2D	12/12/19	1253	GW	AG	X		
-06	MW-5S	12/12/19	0923	GW	AG	X		
-07	MW-5R	12/12/19	1000	GW	AG	X		
-08	MW-5D	12/12/19	1028	GW	AG	X		
-09	MW-7S	12/12/19	1056	GW	AG	X		
-10	MW-2S	12/12/19	1136	GW	AG	X		

Container Type: P
Preservative: C

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	12/12/19 1925		12/12/19 2205
	12/12/19 2207		12/13/19 0140

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)

ALPHA ANALYTICAL

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

NEW YORK CHAIN OF CUSTODY

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: 12/13/19

ALPHA Job #: L1959766

Client Information
Client: Arcadis US Inc.
Address: 855 Route 146, Suite 210
Clifton Park, NY, 12065
Phone: (518) 250-7300
Fax:
Email: Elias.moskal@arcadis.com

Project Information
Project Name: ITT Goulds Pumps
Project Location: Seneca Falls, NY
Project #: 30001785
(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 Sanens Apr 2019

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 specify Metals or TAL

ANALYSIS

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	TAL Metals+Hg	Sample Specific Comments	Total Bottle
59766-11	MW-25	12/12/19	1315	GW	AG	X		
-12	MW-27R	12/12/19	1445	GW	AG	X		
-13	Manhole	12/12/19	1455	GW	AG	X		
-14	MW-8R	12/12/19	1546	GW	AG	X		

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

Container Type: P
Preservative: C

Relinquished By:	Date/Time	Received By:	Date/Time
Arcadis	12/12/19/1925		12/12/A 2225
	12/12/A 2209		12/13/19 0140

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)

Arcadis of New York, Inc.

855 Route 146

Suite 210

Clifton Park, New York 12065

Tel 518 250 7300

Fax 518 250 7301

www.arcadis.com