
PERIODIC REVIEW REPORT
REPORTING PERIOD MAY 31, 2022 TO MAY 31, 2023

MOOG INC. – BUILDING 11 SITE
SITE NO. 915164

ELMA, NEW YORK

June 2023
Revised November 2023

0400-023-004

Prepared for:

Moog Inc.
400 Jamison Road
East Aurora, NY 14052

Prepared By:

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PERIODIC REVIEW REPORT

Moog Inc. – Building 11 Site

Table of Contents

1.0	INTRODUCTION.....	1
1.1	Site Description.....	1
1.2	Purpose/Scope	2
2.0	SITE OVERVIEW.....	3
2.1	Remedial Actions	3
2.2	Site Management and Monitoring	3
2.3	Focused Feasibility Study.....	5
2.4	Site Redevelopment Activities.....	5
3.0	SITE MANAGEMENT PLAN	6
3.1	IC/EC Plan.....	6
3.1.1	<i>Institutional Controls</i>	6
3.1.2	<i>Engineering Controls</i>	7
3.1.3	<i>Inspections</i>	7
3.2	Site Monitoring Plan.....	8
3.2.1	<i>Groundwater Sampling and Analysis</i>	8
3.2.2	<i>SSD System Inspections</i>	9
3.2.3	<i>Site-Wide Inspection</i>	10
3.3	Operation & Maintenance Plan	10
4.0	CONCLUSIONS AND RECOMMENDATIONS	11
5.0	DECLARATION/LIMITATION	12
6.0	REFERENCES	13

PERIODIC REVIEW REPORT

Moog Inc. – Building 11 Site

Table of Contents

LIST OF TABLES

Table 1	Quarterly Groundwater Elevations
Table 2	Groundwater Analytical Summary

LIST OF FIGURES

Figure 1	Site Location and Vicinity Map
Figure 2	Site Plan
Figure 3	Groundwater Contour Map (May 2022)
Figure 4	Groundwater Contour Map (September 2022)
Figure 5	Groundwater Contour Map (November 2022)
Figure 6	Groundwater Contour Map (February 2023)

APPENDICES

Appendix A	IC/EC Form
Appendix B	Groundwater Monitoring Reports (prepared by Frontier)
Appendix C	SSD Systems – Weekly Checklist and Readings
Appendix D	Supplemental Information on Groundwater Treatment System
Appendix E	Site Photographs

1.0 INTRODUCTION

Roux Environmental Engineering and Geology, D.P.C, (Roux)¹ has prepared this Periodic Review Report (PRR) on behalf of Moog Inc. (Moog) to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Site No. C915164, located in Elma, Erie County, New York (Site; see Figures 1 and 2).

This PRR has been prepared for the Site in accordance with NYSDEC DER-10/ Technical Guidance for Site Investigation and Remediation (Ref. 1). The NYSDEC's Institutional and Engineering Controls (IC/EC) Certification Form has been completed for the Site (see Appendix A). This PRR and the associated IC/EC Form have been completed for post-remedial activities at the Site during the reporting period of May 31, 2022 to May 31, 2023.

1.1 Site Description

The 1.26-acre Site is located at 300 Jamison Road in the Town of Elma, New York and consists of portions of three tax parcels designated 155.00-1-8.2, 155-00-1-5.111 and 155.00-1-5.112 (see Figure 2). The Site currently consists of portions of Buildings 11A and 11C; asphalt paved parking lots and access drives; concrete sidewalks; and vegetated areas. The Site is in an industrial area bounded by a parking lot, a cooling pond, greenspace, and Jamison Road to the north; Building 11C and a parking lot to the south; an access driveway and parking lot to the east; and most of Building 11 to the west.

The Site was used as farmland until 1956 when it was acquired by Moog. Building 11 was constructed in phases between 1966 and 1981, the first portion was designated as Building 11, with additions designated as Buildings 11A, 11B, and 11C. Building 11 was used as offices until 1976 when Building 11A was constructed; Building 11 has been used for manufacturing from 1976 to the present. In 1990, an overflowing tank filled with used oil, coolant, and Freon 113 was discovered at the Site. The tank was removed, and visibly contaminated soil around the tank was excavated and disposed. A new 1,000-gallon double-walled tank was installed in its place and is registered with NYSDEC under petroleum bulk storage (PBS) number 9-600288.

¹ Benchmark Civil/Environmental Engineering & Geology, PLLC (Benchmark) prior to July 24, 2023.

1.2 Purpose/Scope

The Site Management Plan (SMP) is required as an element of the remedial program at Moog Building 11. The SMP calls for quarterly groundwater monitoring, weekly inspections of the SSD system, and an annual inspection to confirm the IC/ECs for the Site remain in place and are functioning as designed. In addition, an annual PRR must be submitted by June 30 for a reporting period that ends May 31. This PRR was prepared using the quarterly groundwater monitoring reports prepared by Frontier Technical Associates, Inc. (Frontier; see Appendix B) and the subslab depressurization (SSD) system readings collected by Moog personnel (see Appendix C).

2.0 SITE OVERVIEW

The Site is listed under the Inactive Hazardous Waste Disposal Site Program (State Superfund Program, Site No. 915164) as a Class 4 Site (indicating a closed Site requiring continued site management). Moog never formally entered into a voluntary cleanup agreement with the NYSDEC; however, Moog voluntarily began cleanup at the Site in 1996.

2.1 Remedial Actions

Volatile organic compounds (VOCs) including chlorinated VOCs (cVOCs) and 1,1,2-trichlorotrifluoroethane (aka. Freon-113) were identified in shallow groundwater east of Plant 11. The site was remediated in accordance with the NYSDEC-approved Remedial Action Plan, dated April 1995 and Groundwater Remediation System Performance Monitoring Plan dated March 1997. The following is a summary of the remedial actions performed at the site:

1. No soil was encountered exceeding soil cleanup objectives (SCOs); therefore, no materials were removed as part of the remedy. Soil was removed during the underground storage tank (UST) replacement in 1990. This material was removed before the discovery of groundwater contamination in 1994.
2. Installation of a groundwater pump and treat (air stripper) system was installed in January 1996 and the associated groundwater monitoring began. Moog operated the system from January 11, 1996 through February 13, 2013, when it was turned off in consultation with the NYSDEC.
3. Installation of a sub slab depressurization system in June 2009 based on air sampling showing the potential for vapor intrusion in Plant 11.
4. Execution and recording of a Deed restriction on April 8, 2014 to restrict land use and prevent future exposure to any contamination remaining at the Site.
5. Development and implementation of an SMP (Ref. 2) for long term management of remaining contamination as required by the Deed Restriction, including plans for (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting.

2.2 Site Management and Monitoring

Included in the SMP is a requirement to conduct quarterly groundwater sampling to assess natural attenuation. The SMP identifies two engineering controls for the Site: the SSD system and groundwater monitoring. The SSD system was installed in 2009 to address soil

vapor intrusion and consists of three sub-slab extraction points and one vapor extraction fan. The SSD system remains active and is inspected weekly.

Quarterly groundwater monitoring was completed between March 20, 2014 and February 28, 2022 in compliance with the SMP. Groundwater monitoring results collected on February 28, 2022 by Frontier indicated that the pump and treat system followed by nine years of natural attenuation was mostly effective; no detectable concentrations were observed in 7 of the 8 sampled wells. However, elevated concentrations of Freon 113, 1,1-dichloroethane (1,1-DCA), vinyl chloride (VC), cis-1,2-dichloroethene (cis-1,2-DCE), and trans-1,2-dichloroethene (trans-1,2-DCE) were detected at well MW-2B above TOGS 1.1.1 Groundwater Quality Standards/Guidance Values (GWQS/GV). Additionally, although trichloroethene (TCE) was non-detect during this monitoring event, the detection limit (10 ug/L) was greater than its GWQS of 5 ug/L. Well MW-2B is the first well down gradient of the former source area.

Frontier, as the engineering consultant for Moog, summarized this data in a PRR for the May 31, 2021 to May 31, 2022 reporting period (Ref. 3). Frontier concluded that restarting the pump and treat system would not significantly reduce remaining contamination, which was trending toward the target goals. Frontier requested that the system be permanently shut down and recommended continued quarterly monitoring to assess natural attenuation. On a call with NYSDEC March 11, 2022, Moog asked if they could permanently remove the treatment system equipment. Moog followed up with an email to which NYSDEC responded that given the nature of the Site and current environmental aspect, removal of the equipment should not be a problem. Moog's facilities staff removed the equipment, which was subsequently cut into pieces and sent to Covanta for incineration with Moog's municipal trash. Appendix D includes supplemental information on the groundwater treatment system.

On December 8, 2022, the NYSDEC approved the May 2022 PRR but requested that Moog propose an alternative method to address the groundwater contamination remaining at well MW-2B and to submit an appropriate work plan to the NYSDEC within 60 days. Moog reviewed the NYSDEC's request and instead suggested undertaking a Feasibility Study to identify potential alternatives and compare the performance and cost to the current practice. Moog stated this would allow them to collect needed information to evaluate and align the whole business on any requested changes to current practice. Additionally, Moog requested an extension as their business practices require them to seek competitive bids, which in this

case required the development of a scope of work and the completion of a contractual agreement with a qualified consultant. The NYSDEC approved this request with a new due date of April 1, 2023. Benchmark (now Roux) was retained by Moog in March 2023 to complete this feasibility study and analyze alternatives for the additional groundwater remediation near well MW-2B.

2.3 Focused Feasibility Study

On March 27, 2023, Moog submitted a Focused Feasibility Study (FFS; Ref. 4) that assessed in-situ treatment using three alternative groundwater amendments to address the remaining contamination near well MW-2B. The NYSDEC provided comments on May 8 and notified Moog on June 26 that the New York State Department of Health (NYSDOH) had no additional comments. On July 21, Moog submitted a response to comment letter and revised FFS to address NYSDEC's comments. On September 8, NYSDEC approved the FFS. Moog is currently preparing the Corrective Measures Work Plan (CMWP) that will describe the means and methods for remedy implementation and post-treatment groundwater monitoring.

2.4 Site Redevelopment Activities

The Site remains owned and operated by Moog Inc. There were no intrusive or redevelopment activities during the reporting period.

3.0 SITE MANAGEMENT PLAN

NYSDEC approved the May 2015 SMP prepared by Moog. The SMP includes an Institutional and Engineering Control (IC/EC) Plan, a Site Monitoring Plan, an Operation & Maintenance (O&M) Plan, an Excavation Work Plan (EWP), and a copy of the Deed Restriction (dated April 4, 2016). A brief description of the components of the SMP is presented below.

3.1 IC/EC Plan

As detailed in the Deed Restriction, several IC/ECs need to be maintained for the Site.

3.1.1 Institutional Controls

ICs are required by the NYSDEC to (1) implement, maintain, and monitor EC systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and (3) limit the use and development of the Site to industrial or commercial uses only. Adherence to these ICs is required by the Deed Restriction and will be implemented under the SMP. These ICs are:

- Compliance with the Deed Restriction and the SMP by the Grantor and the Grantor's successors and assigns.
- All ECs must be operated and maintained as specified in the SMP.
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- Groundwater, soil vapor, and other environmental or public health monitoring must be performed as defined in this SMP.
- Data and information pertinent to Site management must be reported at the frequency and in a manner defined in the SMP.

ICs identified in the Deed Restriction may not be discontinued without an amendment to or extinguishment of the Deed Restriction. The Site has a series of ICs in the form of Site restrictions. Adherence to these ICs is required by the Deed Restriction. Site restrictions that apply to the Site are:

- The property may only be used for industrial or commercial use provided that the long-term IC/ECs included in the SMP are employed.

- The property may not be used for a higher level of use, such as unrestricted or residential use, without additional remediation and amendment of the Deed restriction, as approved by the NYSDEC.
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP.
- The use of groundwater underlying the property is prohibited without treatment rendering it safe for intended use.
- The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be monitored or mitigated.
- The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC and (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time to evaluate the continued maintenance of any and all controls. This certification shall be submitted by request of the NYSDEC.

3.1.2 Engineering Controls

- SSD System: The SSD system consists of three suction points within Building 11A that are connected to suction fan mounted outside the building's east wall about two feet below the roofline. The active SSD system will not be discontinued unless prior written approval is granted by the NYSDEC.
- Monitored Natural Attenuation: Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment, and/or control measures will be evaluated

3.1.3 Inspections

The SMP requires an annual comprehensive site-wide inspection, regardless of the frequency of the PRR. The inspection is to determine and document the following:

- Whether ECs continue to perform as designed.
- If the ECs continue to be protective of human health and the environment.
- Compliance with requirements of the SMP and the Deed Restriction.
- Achievement of remedial performance criteria.
- Sampling and analysis of appropriate media during monitoring events.
- If site records are complete and up to date.
- Changes, or needed changes, to the remedial or monitoring system.

3.2 Site Monitoring Plan

The Monitoring Plan specifies the methods to be used for:

- Sampling and analyzing Site groundwater for VOCs using EPA Method 8260C, and assessing compliance with NYSDEC TOGs 1.1.1 GWQS/GVs.
- Inspecting the SSD system weekly to ensure it is operating by verifying each manometer on the three suction points shows a pressure differential.
- The annual site-wide inspection.

3.2.1 Groundwater Sampling and Analysis

The SMP requires quarterly groundwater monitoring at wells MW-1B, MW-2A, MW-2B, and MW-3 through MW-7. Groundwater samples were collected by Frontier on May 20, September 7, and November 30, 2022 and on February 17, 2023, and analyzed for VOCs using EPA Method 8260C. Table 1 summarizes groundwater elevations measured by Frontier during the reporting period. Table 2 summarizes the analytical data for the sampling events performed by Frontier during the reporting period. Appendix B includes the groundwater monitoring reports prepared by Frontier for each quarterly event.

3.2.1.1 Groundwater Elevations and Flow Direction

Figures 3 through 6 are groundwater contour maps developed by Roux using the data collected by Frontier (see Table 1) to illustrate the direction of groundwater flow during each of the four groundwater sampling events. Overall groundwater flow direction is toward the north; however, during the November 2022 monitoring event, groundwater appears to be flowing toward the northwest and northeast.

3.2.1.2 Analytical Data

Table 2 summarizes the VOC concentrations detected in groundwater collected from well MW-2B between May 20, 2022 and February 17, 2023. VOCs were not detected above laboratory reporting limits in the other seven wells. During all four quarterly events, Freon 113, 1,1-DCA, cis-1,2-DCE, trans-1,2-DCE, and VC were detected in well MW-2B above GWQS/GVs. In some instances, TCE and 1,1-DCE results were reported as non-detect; however, the laboratory reporting limit of 10 ug/L is above the NYSDEC Class GA GWQS/GV of 5 ug/L. Since 2013, VOC concentrations in well MW-2B have decreased; however, over the last few years, concentrations have fluctuated with no apparent trend. Moog is preparing a CMWP to address the groundwater contamination that remains near well MW-2B.

3.2.2 SSD System Inspections

The SSD system is currently installed and operating in on-site Building 11A to mitigate soil vapor intrusion (SVI). The SSD system consists of three, 4-inch inside diameter (ID), Schedule 40, polyvinyl chloride (PVC) pipes that penetrate the building floor at three locations (suction points) designated as north, south, and east based on their locations within Building 11A. The suction points are connected to a suction fan by 4-inch ID Schedule 40 PVC piping. The RadonAway Model No. GP501 suction fan is mounted outside of the building's east wall about two feet below the roofline. A short 4-inch ID PVC pipe extends above the fan to place the system discharge about three feet above the roof line.

The 2015 SMP requires weekly inspection of the SSD system to ensure that it is operating by verifying that each manometer on the three suction points shows a pressure differential. Appendix C includes the weekly checklist completed by Moog personnel in 2022. In its comment letter following submittal of the 2021-2022 PRR, NYSDEC requested Moog begin recording the values listed on the manometers instead of using the inspection checklist. Appendix C includes weekly manometer readings collected by Moog personnel at each suction point in January through May 2023. All readings are within the operating range indicating the SSD system is operating as designed.

3.2.3 Site-Wide Inspection

Frontier performed the quarterly groundwater monitoring events during the reporting period, and verified the groundwater monitoring wells are intact. Moog personnel inspected the SSD system weekly during the reporting period, confirming its continued operation.

In June 2023, Moog retained Benchmark (now Roux) to take over the quarterly groundwater sampling and preparation of the PRRs. Mr. Rick Dubisz, a Senior Project Scientist with Roux, was on-site June 27, 2023 to conduct the 2nd quarter groundwater sampling event. Mr. Dubisz observed the three manometers and confirmed the SSD system is operating as intended. Benchmark (now Roux) personnel were on-site no less than monthly during the reporting period related to duties elsewhere on the Moog campus and observed no use of the property in any manner other than for industrial purposes and no intrusive activities.

Therefore, the Site covered by this PRR was found to be compliant with the IC/EC requirements. Appendix A includes the completed and P.E.-certified IC/EC Form for the Site. Appendix E includes photographs taken by Benchmark (now Roux) on June 27, 2023.

3.3 Operation & Maintenance Plan

The O&M Plan indicates the SSD system fan is the only part that could malfunction, and the SSD system has no O&M requirements as constructed. Section 4.2.1.2 of the SMP indicates the SSD system should automatically restart following a power outage.

During the reporting period, the fan operated without failure, and no non-routine events occurred.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions

- The Site is fully compliant with the ICs including land-use and groundwater-use restrictions; and the ECs including continued operation of the SSD system and performance of the quarterly groundwater monitoring.
- VOC concentrations in groundwater at well MW-2B remain above NYSDEC Class GA GWQS/GVs and fluctuate between quarterly events with no apparent trend. VOCs were not detected above laboratory reporting limits in the other seven wells.
- The SSD system operated continuously during the reporting period.

Recommendations

- Moog will continue quarterly groundwater sampling. Roux performed the 2nd and 3rd quarter groundwater sampling events on June 27 and September 14, 2023. Roux notified the new laboratory analyzing these samples that the method detection limits must be below the NYSDEC Class GA GWQS/GVs.
- Moog is drafting the CMWP for submittal to NYSDEC and NYSDOH.

5.0 DECLARATION/LIMITATION

This PRR complies with the scope of work provided to Moog Inc. by Benchmark Civil/Environmental Engineering & Geology, PLLC (now Roux). Data collected by Frontier during the quarterly groundwater monitoring events were relied upon to prepare this PRR. Appendix B includes Frontier's Groundwater Monitoring Reports. This PRR has been prepared by Roux Environmental Engineering and Geology, D.P.C. for the exclusive use of Moog Inc. The findings herein may be relied upon only at the discretion of Moog Inc. Use of or reliance upon this PRR or its findings by any other person or entity is prohibited without written permission of Roux Environmental Engineering and Geology, D.P.C.

6.0 REFERENCES

1. New York State Department of Environmental Conservation. *DER-10/Technical Guidance for Site Investigation and Remediation*. May 2010.
2. Moog Inc. *Site Management Plan, Moog Inc. – Building 11, Erie County, New York, NYSDEC Site Number 915164, 300 Jamison Road, East Aurora, NY*. May 2015.
3. Frontier Technical Associates, Inc. *Period Review Report at Moog – Plant 11*. May 2022, revised September 2022.
4. Benchmark Civil/Environmental Engineering & Geology, PLLC. *Focused Feasibility Study, Moog Inc. – Building 11, State Superfund Program, Site No. 915164, Elma, New York*. March 2023, revised July 2023.

TABLES



TABLE 1
GROUNDWATER ELEVATION MEASUREMENTS

MOOG INC. - BUILDING 11 SITE
SITE NO. 915164
ELMA, NEW YORK

Well ID Number ¹	Well Type	Well Installation Date	TOR Elevation ² (feet)	Well Depth (feet)	May 20, 2022		September 7, 2022		November 30, 2022		February 17, 2023	
					DTW (fbTOR)	Groundwater Elevation (feet)	DTW (fbTOR)	Groundwater Elevation (feet)	DTW (fbTOR)	Groundwater Elevation (feet)	DTW (fbTOR)	Groundwater Elevation (feet)
Sump	--	--	100.08	--	5.93	94.15	5.87	94.21	5.59	94.49	5.85	94.23
MW-1B	BR	10/27/1994	99.47	16.81	4.46	95.01	4.70	94.77	4.39	95.08	4.49	94.98
MW-2A	BR	10/28/1994	98.70	22.57	8.60	90.10	9.36	89.34	8.54	90.16	8.27	90.43
MW-2B	OB/TOR	06/03/1994	98.90	10.53	4.56	94.34	4.46	94.44	3.73	95.17	4.44	94.46
MW-3	OB/TOR	06/02/1994	99.66	11.74	5.85	93.81	5.91	93.75	5.33	94.33	5.70	93.96
MW-4	OB/TOR	06/02/1994	99.47	11.61	5.30	94.17	5.28	94.19	5.00	94.47	5.15	94.32
MW-5	OB/TOR	06/03/1994	96.95	10.53	4.59	92.36	6.19	90.76	2.38	94.57	3.49	93.46
MW-6	OB/TOR	03/21/1995	99.43	14.26	5.25	94.18	5.25	94.18	4.90	94.53	5.14	94.29
MW-7	OB/TOR	03/21/1995	97.43	12.04	2.93	94.50	3.30	94.13	2.64	94.79	3.20	94.23

Notes:

1. All information on this table was obtained from reports prepared by Frontier Technical Associates, Inc. (Frontier).
2. Survey datum was Building 11A finished floor elevation of 100 feet per Frontier.

Abbreviations:

DTW = depth to water

fbTOR = feet below top of riser

TOR = top of riser

OB/TOR = Indicates a well completed in shallow overburden at top of shale bedrock

BR = Indicates a well completed in shale bedrock.



**TABLE 2
GROUNDWATER ANALYTICAL SUMMARY**

**MOOG INC. - BUILDING 11 SITE
SITE NO. 915164
ELMA, NEW YORK**

Parameter ¹	NYSDEC Class GA GWQS/GV ²	MW-2B ³			
		5/20/2022	9/7/2022	11/30/2022	2/17/2023
Volatile Organic Compounds - ug/L					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	5	23	26	28	35
1,1-Dichloroethane	5	210	400	31	110 S+
1,1-Dichloroethene	5	ND<10	11	ND<10	ND<10
cis-1,2-Dichloroethene	5	59	140	12	34
trans-1,2-Dichloroethene	5	15	47	ND<10	12 S+
Trichloroethene	5	ND<10	12	ND<10	ND<10
Vinyl chloride	2	61	110	ND<20	35 S+
Field Parameters (units indicated)					
Turbidity (NTU)	--	1.74	7.3	19.4	4.0
Oxidation-Reduction Potential (mV)	--	3,478	4,360	1,960	3,080
pH (S.U.)	--	7.09	6.94	7.18	7.36

Notes:

1. Only parameters detected during at least one sampling event presented; all others reported as ND.
2. Values per NYSDEC TOGS 1.1.1 Class GA Groundwater Quality Standards (GWQS) in ug/L.
3. As reported by Frontier in its Groundwater Monitoring Reports.

Definitions:

ND<10 = Parameter not detected above laboratory reporting limit.

-- = No GWQS available.

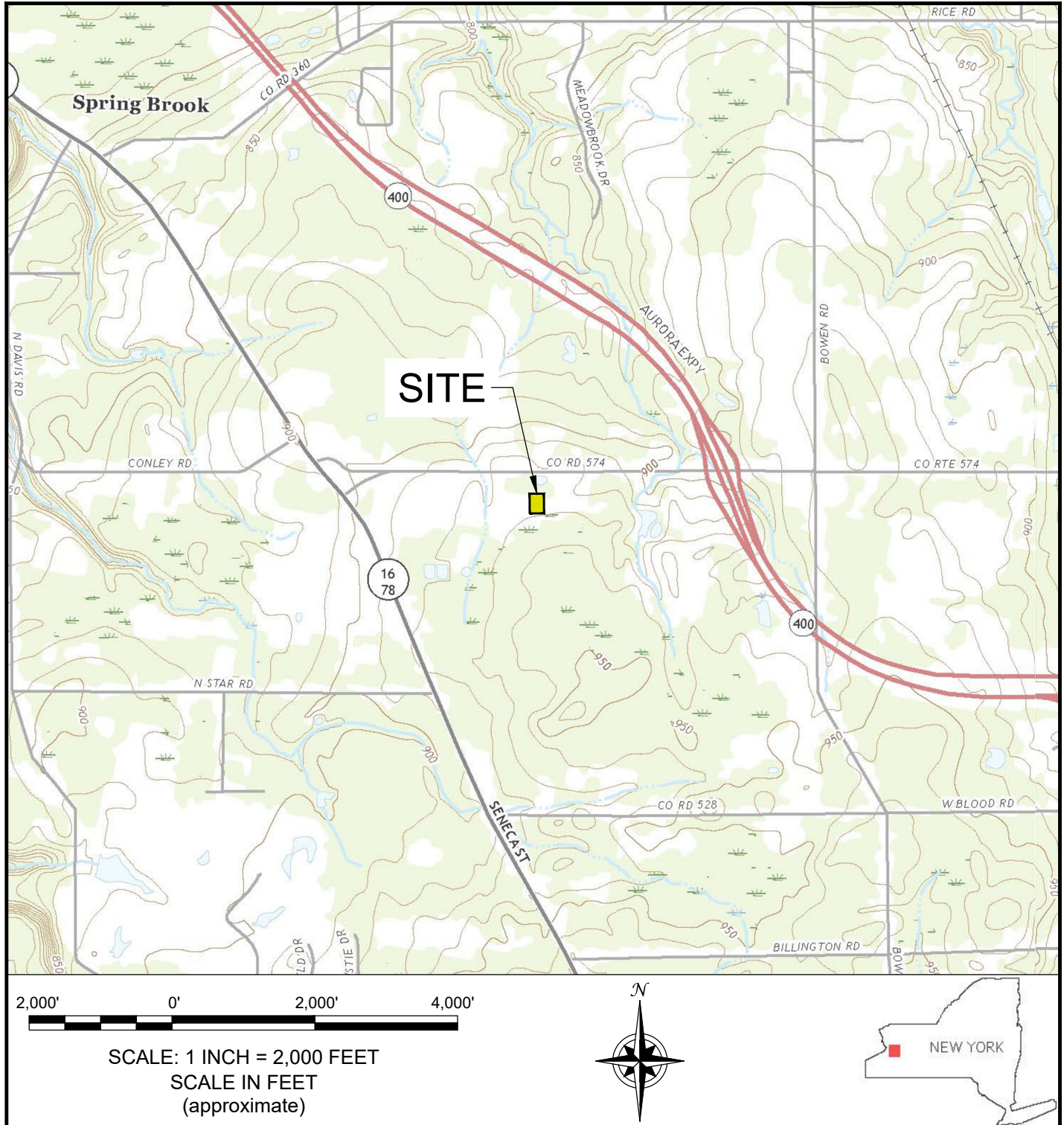
ug/L = micrograms per liter

S+ = LCS spike recovery is above acceptable limits

BOLD	= Exceeds NYSDEC Class GA GWQS
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FIGURES

FIGURE 1



2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

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SITE LOCATION AND VICINITY MAP

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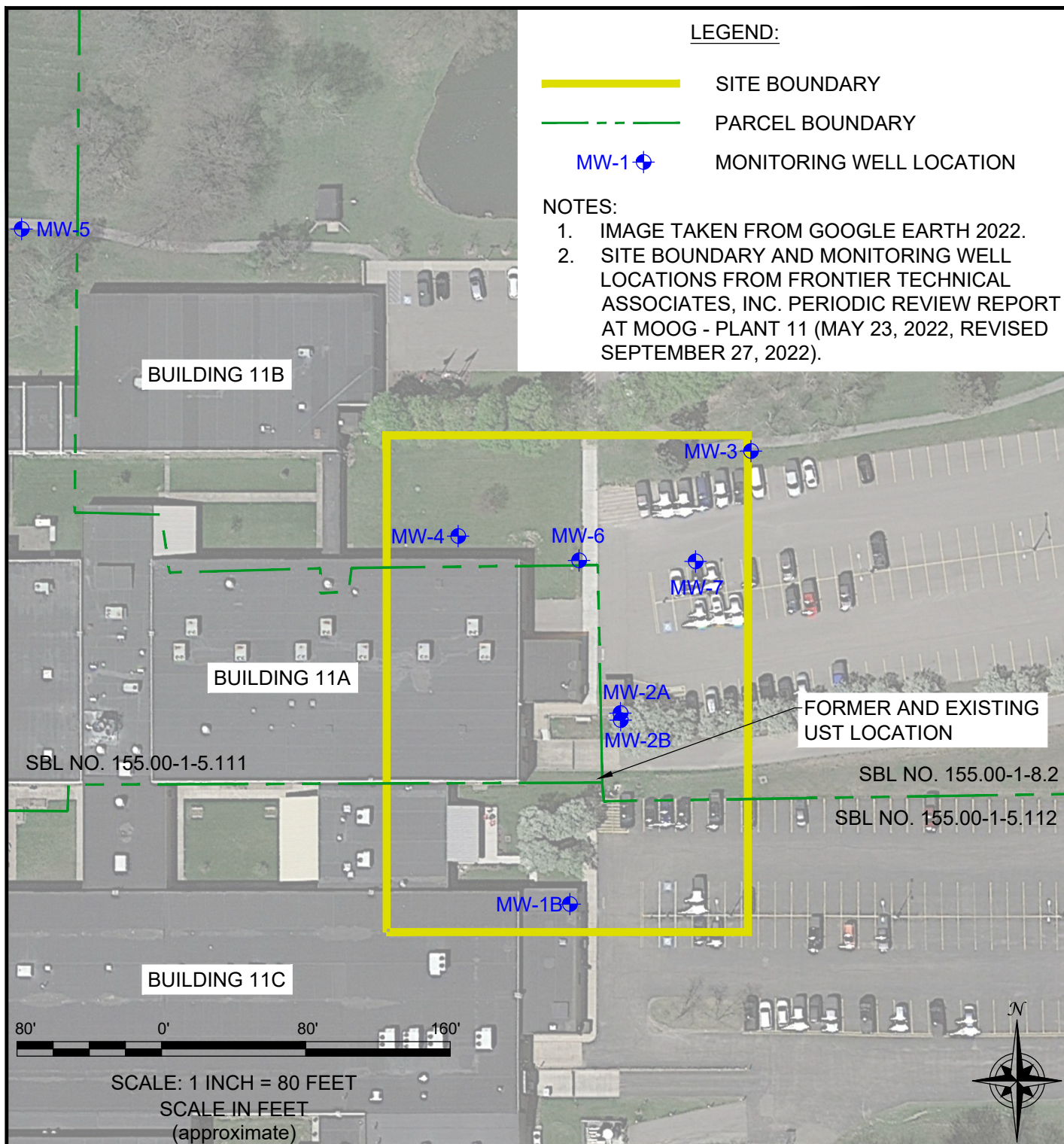
MOOG INC. - BUILDING 11

SITE NO. 915164
ELMA, NEW YORK

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FIGURE 2



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SITE PLAN (AERIAL)

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MOOG INC. - BUILDING 11

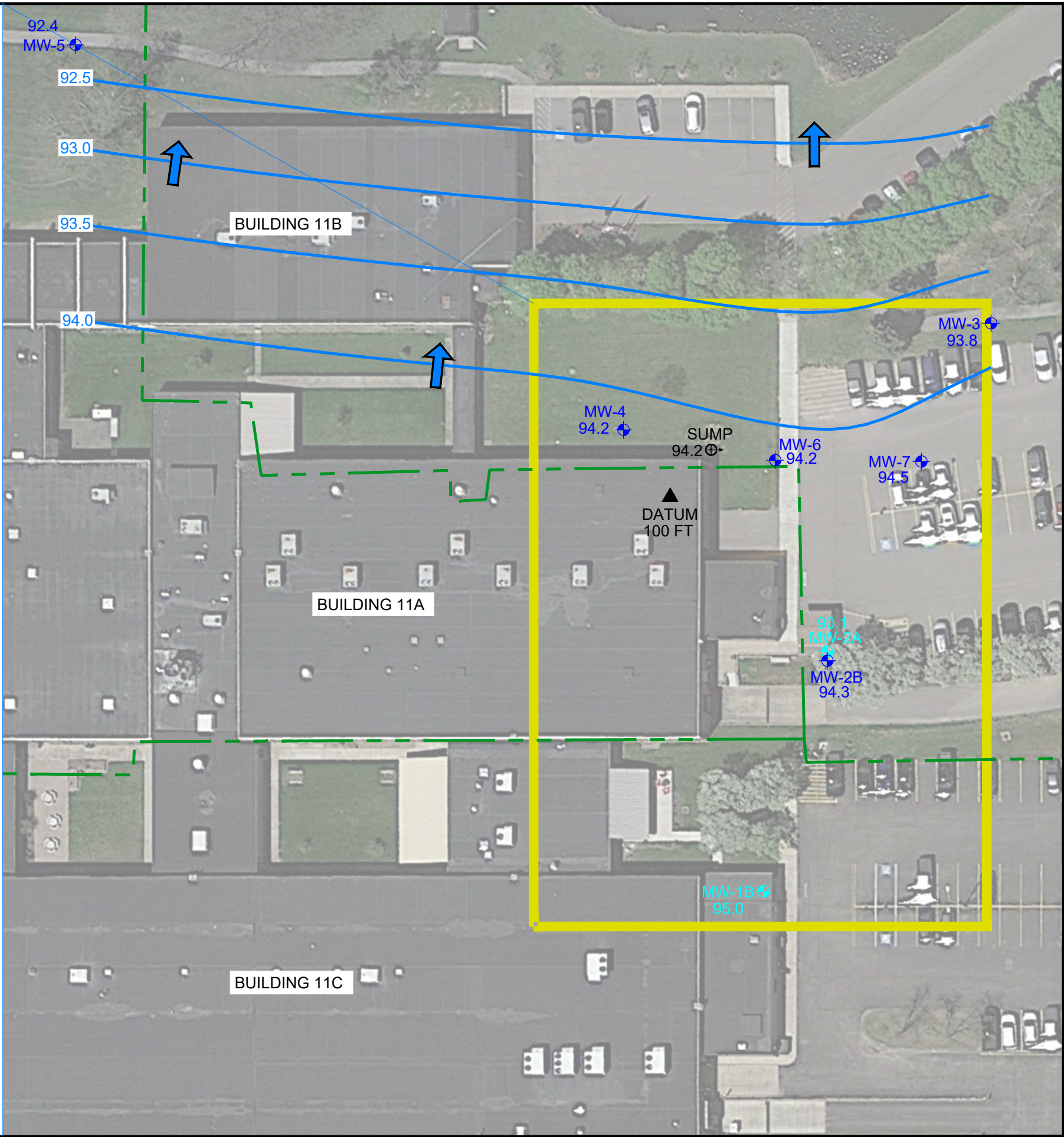
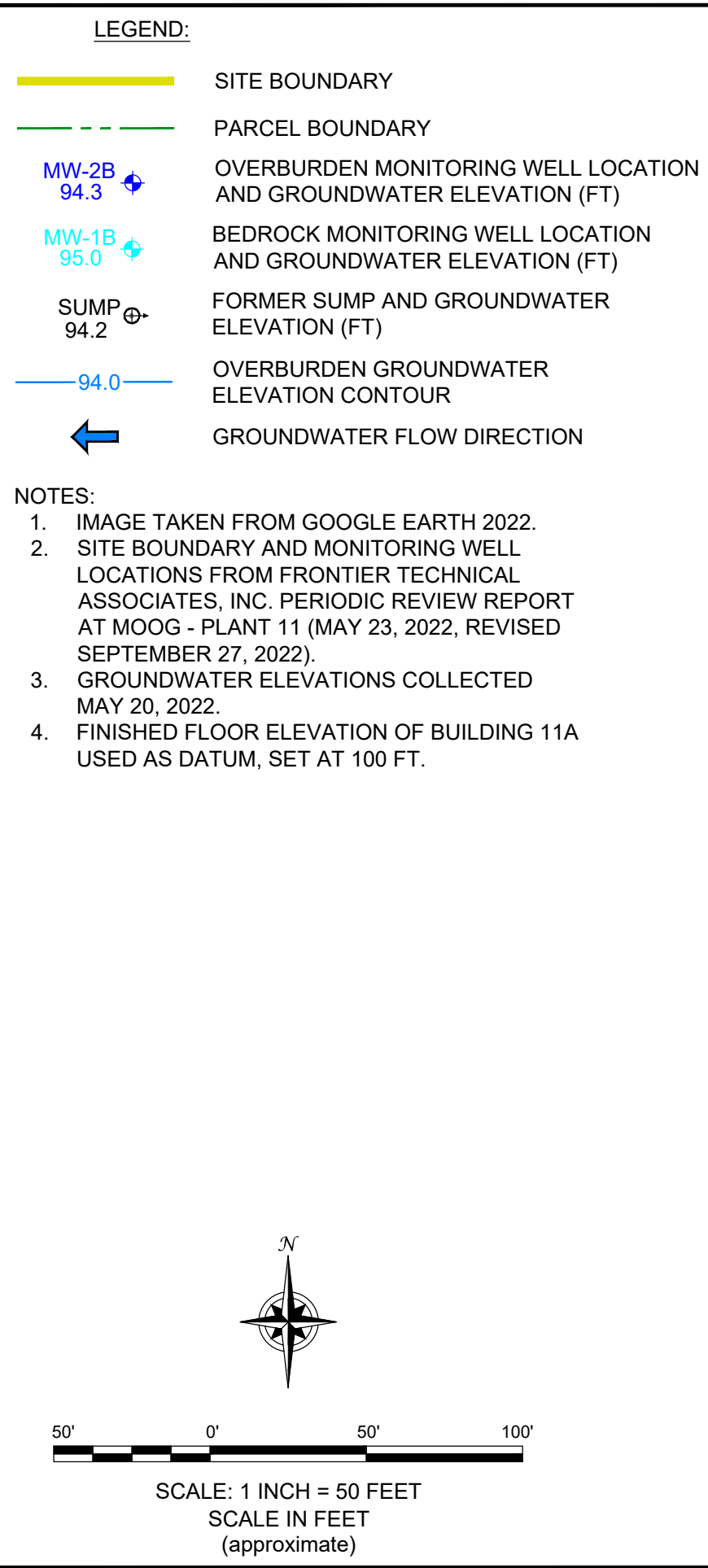
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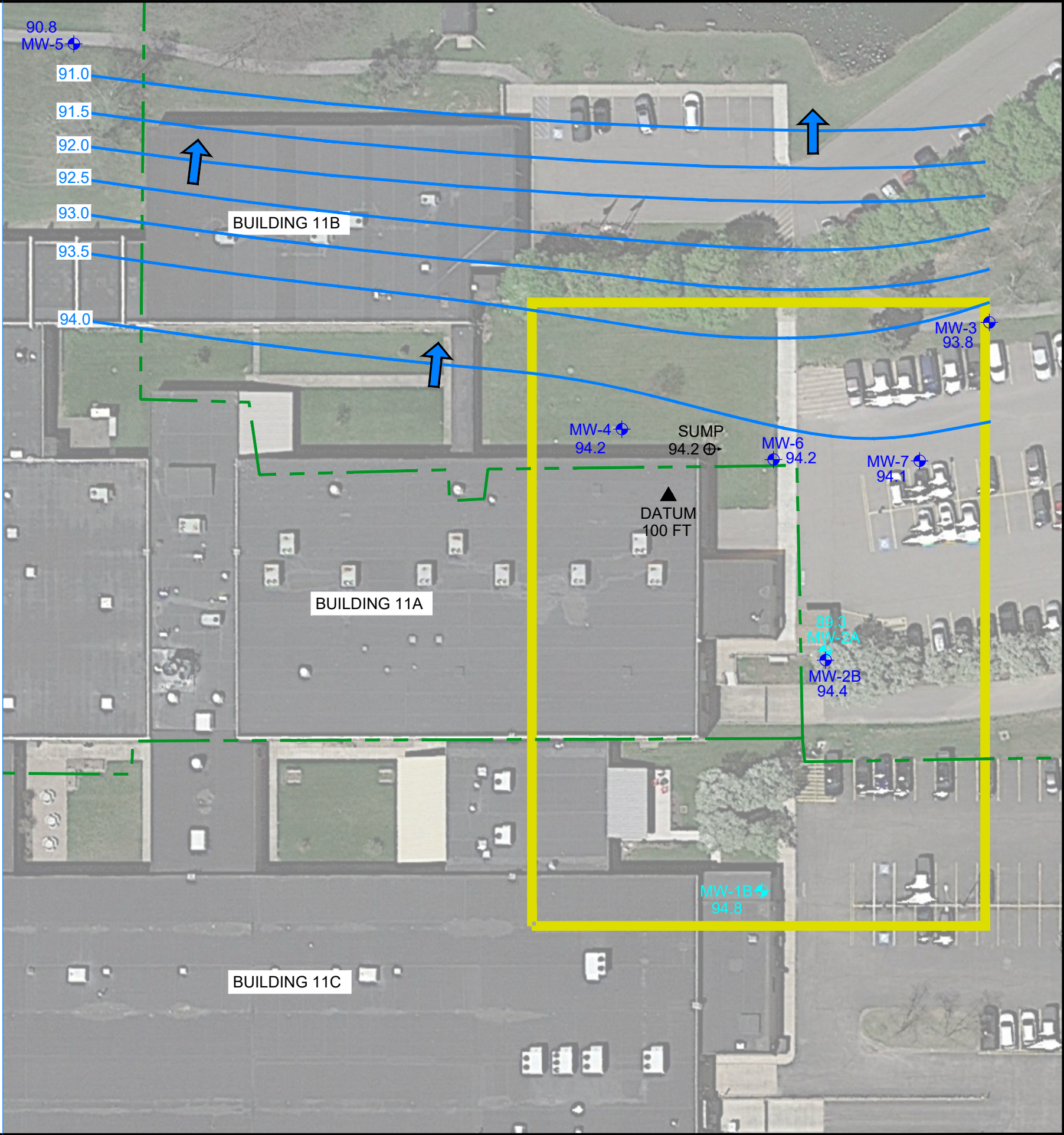
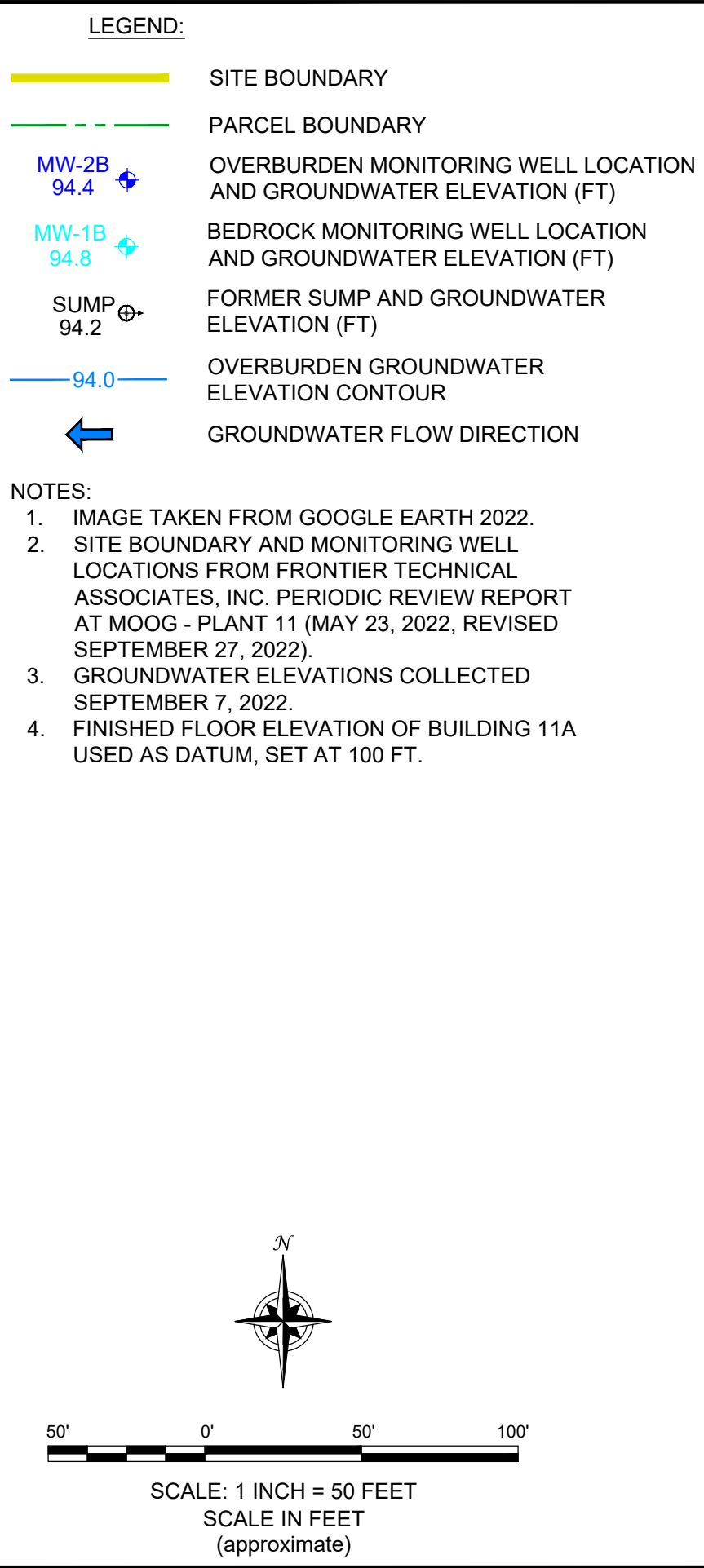
GROUNDWATER CONTOUR MAP (MAY 2022)

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MOOG INC. - BUILDING 11
SITE NO. 915164
ELMA, NEW YORK
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FIGURE 3

DISCLAIMER:
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DATE: OCTOBER 2023
DRAFTED BY: CNK



BENCHMARK

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: B0400-023-001

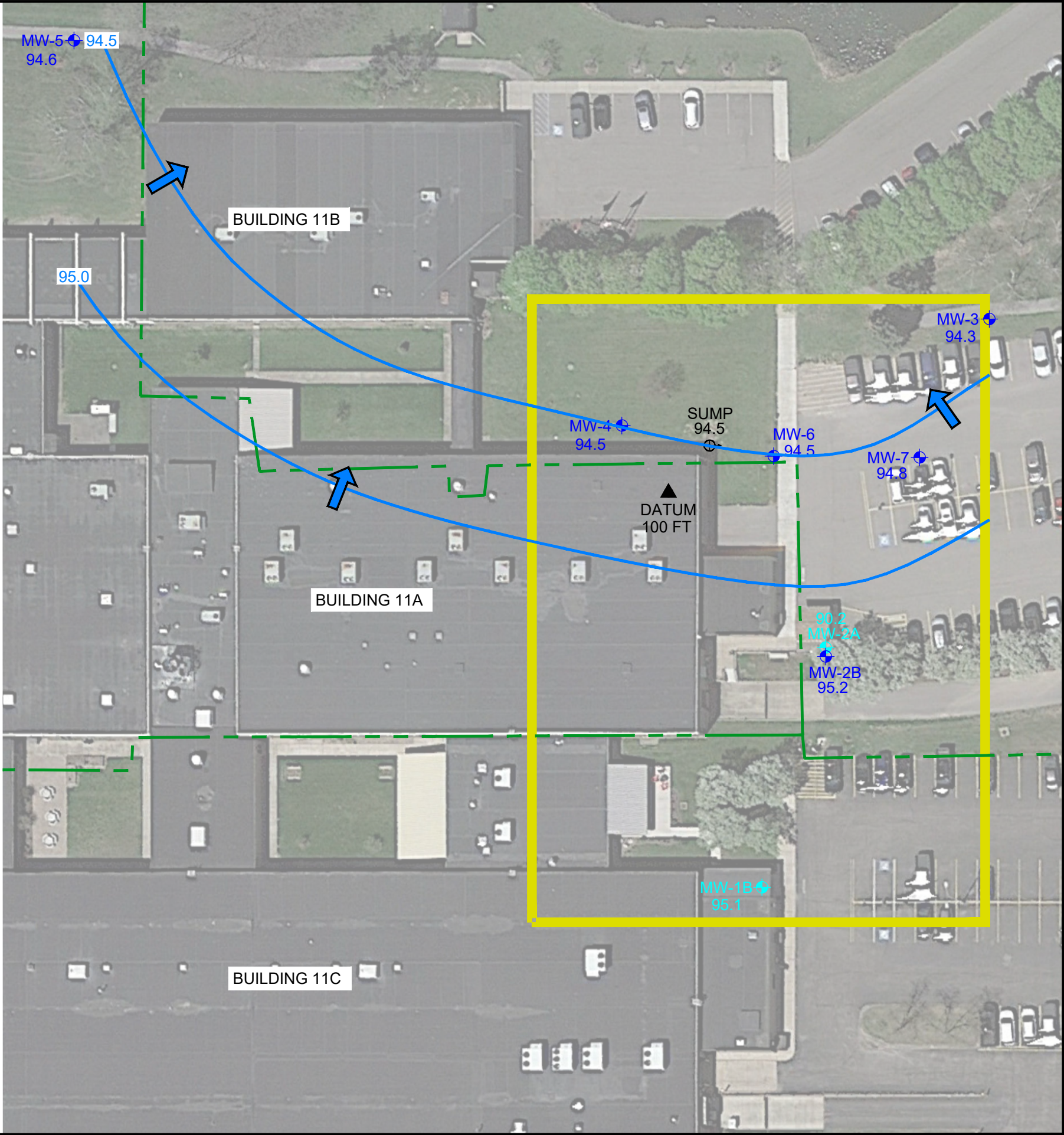
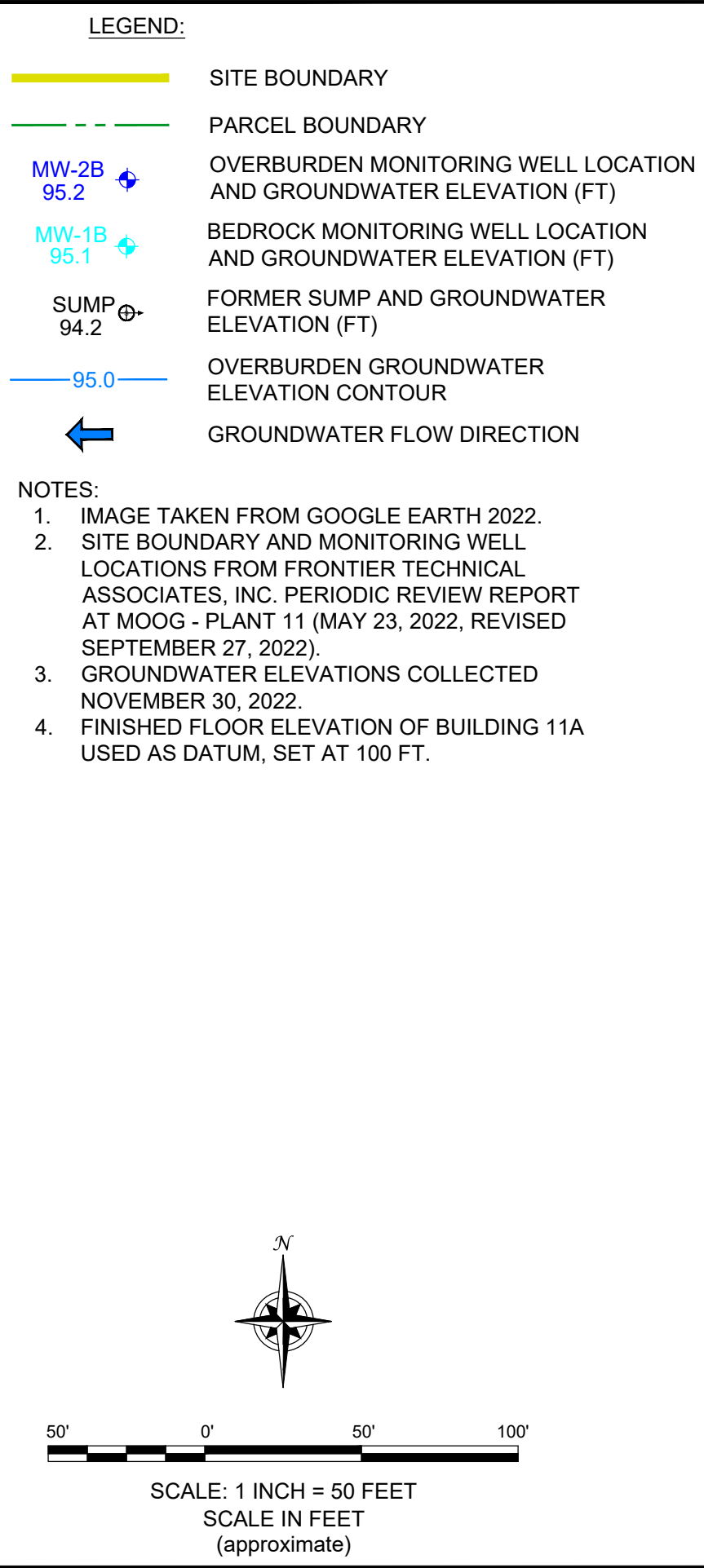
GROUNDWATER CONTOUR MAP (SEPTEMBER 2022)

PERIODIC REVIEW REPORT
MOOG INC. - BUILDING 11
SITE NO. 915164
ELMA, NEW YORK
PREPARED FOR
MOOG INC.

FIGURE 4

DISCLAIMER:
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DATE: OCTOBER 2023
DRAFTED BY: CNK



2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: B0400-023-001

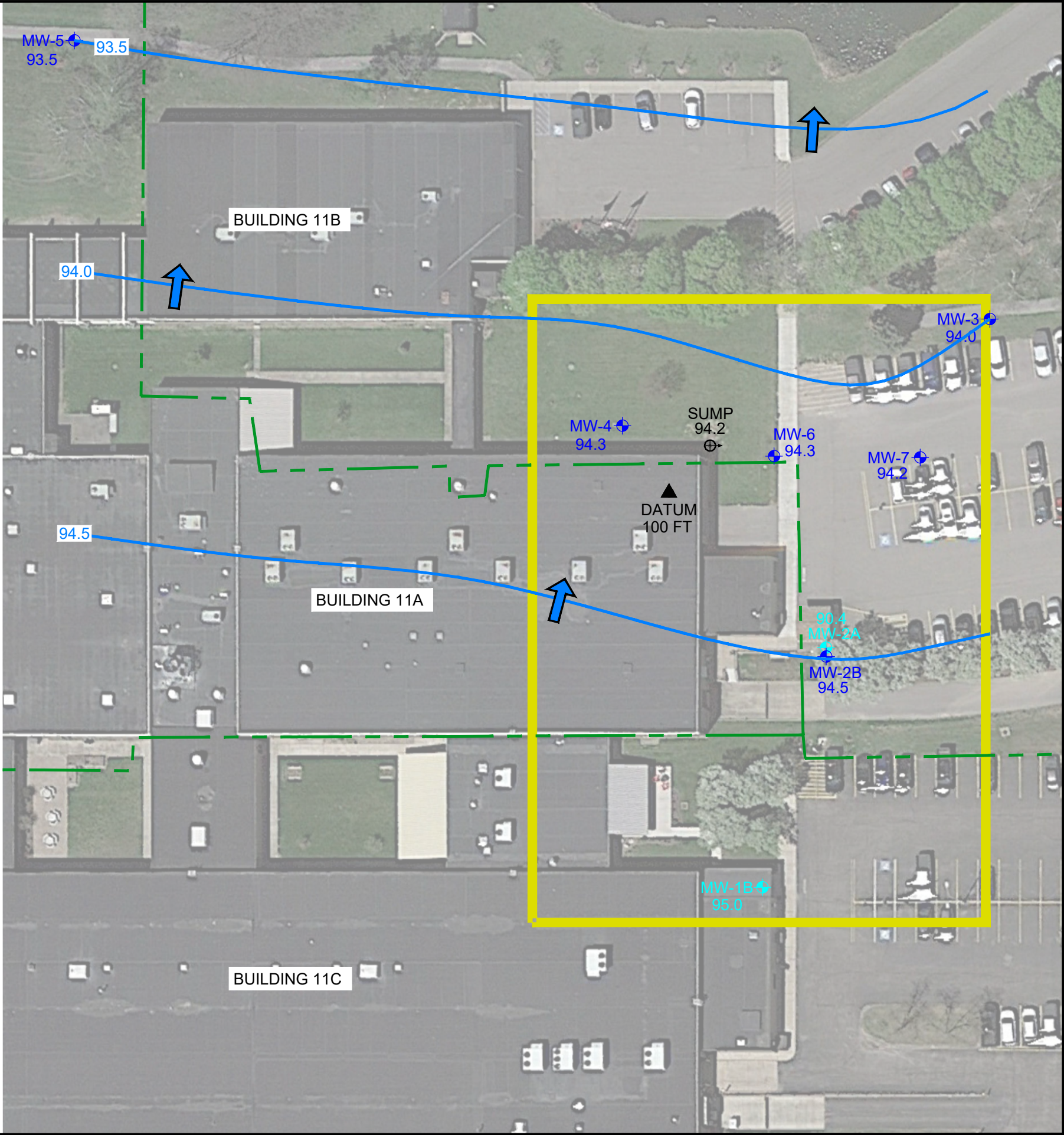
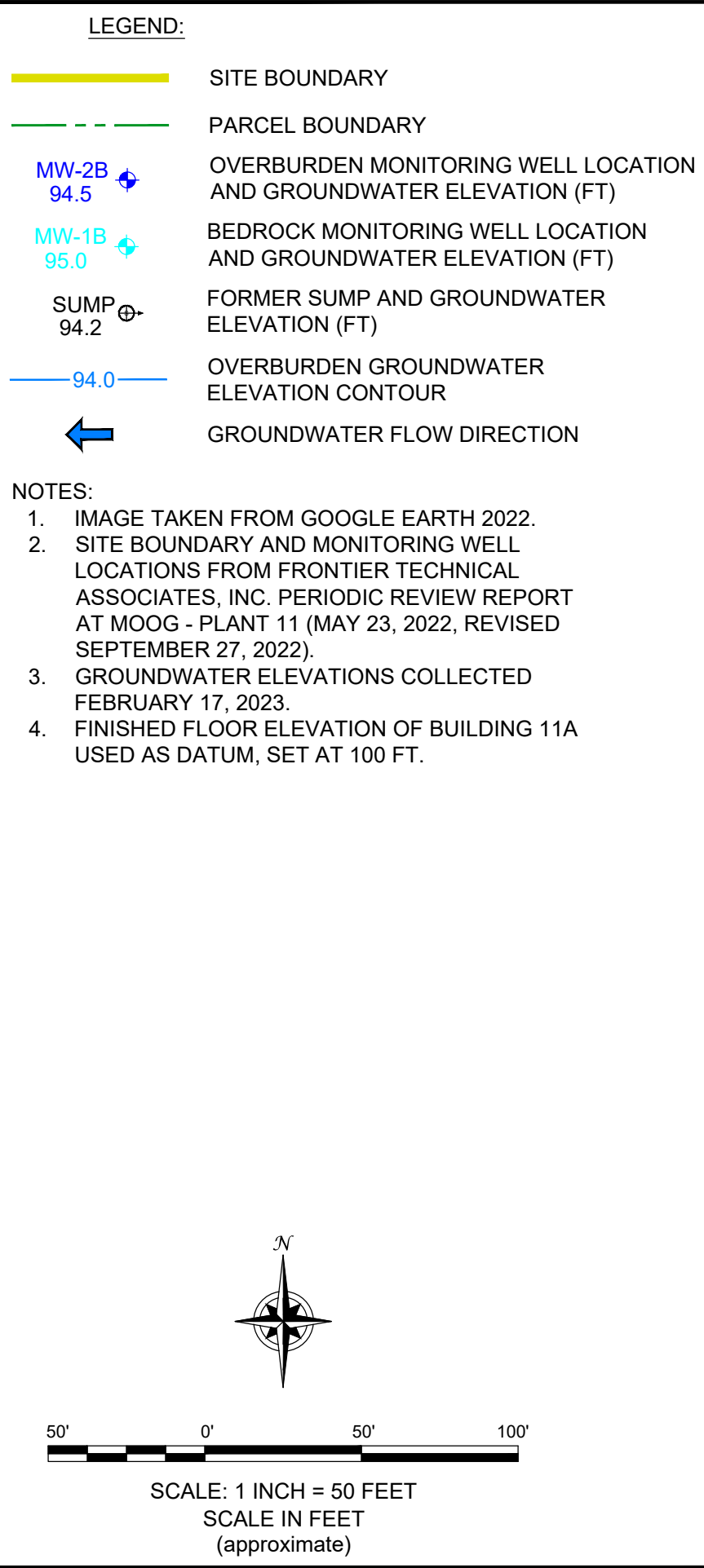
GROUNDWATER CONTOUR MAP (NOVEMBER 2022)


PERIODIC REVIEW REPORT
MOOG INC. - BUILDING 11
SITE NO. 915164
ELMA, NEW YORK
PREPARED FOR
MOOG INC.

FIGURE 5

DISCLAIMER:
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DATE: OCTOBER 2023
DRAFTED BY: CNK





2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: B0400-023-001

GROUNDWATER CONTOUR MAP (FEBRUARY 2023)

PERIODIC REVIEW REPORT
MOOG INC. - BUILDING 11
SITE NO. 915164
ELMA, NEW YORK
PREPARED FOR
MOOG INC.

FIGURE 6

DISCLAIMER:
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APPENDIX A

IC/EC FORM

Site Details

Site No. 915164

Box 1

Site Name Moog Inc. - Building 11

Site Address: 300 Jamison Road Zip Code: 14059
City/Town: Elma
County: Erie
Site Acreage: 1.260

Reporting Period: May 31, 2022 to May 31, 2023

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?
Commercial and Industrial

☒

7. Are all ICs 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 _____

Description of Institutional ControlsParcelOwnerInstitutional Control

Moog Inc.

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

As outlined in the 2015 SMP, the ICs will consist of: Compliance with the Deed Restriction and SMP, All ECs must be operated and maintained as specified in the SMP, all ECs and the controlled property must be inspected at a frequency defined in SMP, groundwater, soil vapor and other environmental or public health monitoring must be performed as defined in SMP, and data and information pertinent to site management of the controlled property must be reported at the frequency and in the manner defined in the SMP.

155.00-1-5.112

Moog Inc.

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

As outlined in the 2015 SMP, the ICs will consist of: Compliance with the Deed Restriction and SMP, All ECs must be operated and maintained as specified in the SMP, all ECs and the controlled property must be inspected at a frequency defined in SMP, groundwater, soil vapor and other environmental or public health monitoring must be performed as defined in SMP, and data and information pertinent to site management of the controlled property must be reported at the frequency and in the manner defined in the SMP.

155.00-1-8.2

Moog Inc.

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

As outlined in the 2015 SMP, the ICs will consist of: Compliance with the Deed Restriction and SMP, All ECs must be operated and maintained as specified in the SMP, all ECs and the controlled property must be inspected at a frequency defined in SMP, groundwater, soil vapor and other environmental or public health monitoring must be performed as defined in SMP, and data and information pertinent to site management of the controlled property must be reported at the frequency and in the manner defined in the SMP.

Description of Engineering ControlsParcelEngineering Control

Monitoring Wells
Vapor Mitigation

Soil Vapor Mitigation System, groundwater monitoring as described in SMP

155.00-1-5.112

Vapor Mitigation
Monitoring Wells

Soil Vapor Intrusion Mitigation System, groundwater monitoring as described in SMP.

155.00-1-8.2

Vapor Mitigation
Monitoring Wells

Soil Vapor Mitigation System, groundwater monitoring as described in SMP.

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 Engineering Control certification;

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

YES NO



2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The 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. 915164

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 Christopher Russin at Moog Inc. 160 Jamison Rd, Elma, NY 14059
print name print business address

am certifying as Owner (Owner or Remedial Party)

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

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

06/27/2023
Date

EC CERTIFICATIONS

SITE NO. 915164

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.

Lori E. Riker

Benchmark Civil/Environmental Engineering & Geology, PLLC
2558 Hamburg Turnpike, Buffalo, NY 14218

_____ at _____,
print name print business address

am certifying as a Professional Engineer for the **Owner**

(Owner or Remedial Party)

Lori E. Riker

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



Stamp
(Required for PE)

6/28/23

Date

APPENDIX B

GROUNDWATER MONITORING REPORTS (PREPARED BY FRONTIER)



FRONTIER TECHNICAL ASSOCIATES, INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

Environmental Monitoring and Consulting

**GROUNDWATER MONITORING REPORT
FOR
MOOG SITE
ELMA, NEW YORK
SECOND QUARTER 2022**

ET-979-22-02

May 26, 2022

Prepared for:

Mr. Christopher Russin
Moog, Inc.,
160 Jamison Road
East Aurora, NY 14052

Prepared by:

Frontier Technical Associates, Inc.
8675 Main Street
Williamsville, NY 14221

TABLE OF CONTENTS

ITEM	Page No.
INTRODUCTION	1
Purpose	1
MONITORING SYSTEM	1
MONITORING METHODS	1
Sampling Procedures	1
Quality Assurance and Quality Control	2
MONITORING RESULTS	2
Water Quality Data	2
Sample Holding Times	2
Laboratory Method Blank Analysis	2
Data Usability	3
GROUNDWATER FLOW	3
EVALUATION OF MONITORING RESULTS	3

**GROUNDWATER MONITORING REPORT
FOR
MOOG SITE
ELMA, NEW YORK
SECOND QUARTER 2022**

INTRODUCTION

Purpose

The purpose of this report is to document the groundwater conditions in eight wells at Moog, Inc. in support of a delisting of the site with NYSDEC. The wells are to be monitored quarterly and the results of the sampling and analysis are to be reported to Moog. Frontier Technical Associates, Inc. (FTA) has been contracted to provide monitoring and sampling. This report is to document the monitoring and analysis for the Second Quarter of 2022.

MONITORING SYSTEM

The groundwater monitoring system consists of eight wells. The wells are located as shown on Figure 1 and are designated as follows:

MW-1B	MW-2A	MW-2B	MW-3
MW-4	MW-5	MW-6	MW-7

The historical and current groundwater elevations are presented on Table 1.

MONITORING METHODS

Groundwater samples were obtained from the eight wells. The samples were collected by Frontier Technical Associates, Inc. (FTA) under contract to Moog, Inc. The samples were analyzed by AES, Inc. under subcontract to Frontier Technical Associates.

Sampling Procedures

The wells were sampled in accordance with the standard procedures specified by Moog, Inc. Prior to purging and sampling, the groundwater surface level was obtained. The wells were then purged to remove a minimum of three well volumes of standing water or until dry. All the wells were purged using dedicated polyethylene tubing connected to a peristaltic pump. The quantity of groundwater purged was measured.

The samples were collected with dedicated bailers. Samples for laboratory analysis were collected in pre-labeled glass vials as appropriate for the analysis. The samples were cooled to $< 6^{\circ}\text{C}$ for shipment to the laboratory. The samples were transported to AES under proper chain-of-custody.

Field measurements for pH, specific conductance, temperature and turbidity were made immediately upon sample collection. Meters were calibrated prior to use. The results of the field measurements are presented on Table 2. The field data collection forms are presented in the Appendix to document the work at this site.

Quality Assurance and Quality Control

Frontier Technical Associates, Inc. implemented the following quality assurance and quality control measures during this monitoring event to help ensure the quality and reliability of the data obtained:

- Laboratory surrogate recoveries were checked. Laboratory QA/QC is presented in the complete laboratory report in the Appendix.

MONITORING RESULTS

Water Quality Data

The groundwater monitoring results for this quarter are summarized on Table 3. Table 3 also includes any laboratory data qualifiers (if any). The evaluation of the water quality data includes an evaluation of the sample holding times, method blanks, and spike data. All these QA/QC measures are used to assess data usability. In addition, the data is reviewed by a senior environmental professional (Professional Engineer) for usability. The data is evaluated against the NYSDEC groundwater standard (Class GA) to aid in the interpretation of the significance of the results.

Sample Holding Times

Sample holding times for each parameter are specified by each analytical method. All samples were analyzed within the allowable holding times.

Data Usability

Based on a review of the sampling and analytical data and the quality control/quality assurance data, the data as presented in this report is usable for the purposes stated in the scope of work.

GROUNDWATER

The groundwater pumping system has been turned off and the groundwater levels in the wells have risen and appear to have reached their equilibrium level. Figures 2 through 10 present the historical elevation plots for each of the wells. Groundwater elevations in many of the wells rise and fall together. The following observations are relevant to the evaluation of the groundwater levels.

- After the pumping was turned off, water levels in the Sump and Wells MW-2B, MW-3, MW-4, MW-6 and MW-7 increased. It appears that the operation of the sump impacts the water elevations at these locations.
- Groundwater elevations in wells MW-1B, MW-2A and MW-5 appear to be unaffected by the operation of the sump.
- Monitoring well MW-2A and MW-5 appear to be affected by seasonal variations. Late summer and early fall represent the lowest groundwater elevations.

EVALUATION OF MONITORING RESULTS

Tables 2 and 3 summarize the groundwater monitoring results for this quarter. Based on the available results, the data appears to be consistent with prior sampling events. pH measurements ranged from 6.61 to 7.82. Turbidity was less than 50 NTUs in all wells except MW-7. Specific conductance ranged from 497 to 3,478 uhmos/cm.

The concentration of volatile organic compounds for this quarter are presented on Table 3. Figure 11 is a plot of the CFC 113 in well MW-2B. Figures 12, 13, 14 and 15 are plots of several potential indicator compounds with time in Well MW-2B. Contamination in the other wells on site is not present. All trends are tentative at this time and should be further evaluated as additional information becomes available.

Table 1. Groundwater Elevations at Moog

<u>Date</u>	<u>Sump</u>	<u>MW-1B</u>	<u>MW-2A</u>	<u>MW-2B</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>MW-6</u>	<u>MW-7</u>
Dec-10	94.52	95.27	92.55	94.55	94.70	93.49	94.18	94.58	95.00
Jan-11	94.24	95.43	92.55	94.87	94.32	94.29	93.60	94.32	94.26
Feb-11	88.90	94.14	90.48	90.47	89.02	88.91	91.81	88.95	88.90
Mar-11	94.10	95.29	92.11	94.10	94.12	93.92	93.68	94.04	94.03
Apr-11	94.47	94.99	92.67	94.29	94.30	94.25	93.63	94.31	94.26
May-11	94.20	94.78	92.49	94.33	94.36	94.22	94.70	94.31	94.24
Jun-11	94.16	94.92	92.98	94.46	94.26	94.02	93.98	94.25	94.13
Jul-11	93.53	94.55	91.76	93.42	93.50	93.52	91.29	93.53	93.52
Aug-11	88.90	93.45	88.77	89.13	88.88	88.89	89.12	88.92	88.88
Sep-11	88.78	93.57	88.64	89.74	88.82	88.82	89.67	88.78	88.78
Oct-11	88.83	93.75	87.99	91.12	89.02	88.94	90.04	89.00	89.01
Nov-11	88.85	93.89	90.22	90.20	88.99	89.06	90.93	88.91	88.92
Dec-11	94.22	94.45	91.68	94.06	94.22	94.08	93.43	94.24	94.18
Jan-12	88.95	94.04	90.38	91.17	89.13	88.99	92.70	88.91	88.94
Feb-12	88.93	94.09	90.85	91.52	89.16	89.07	92.37	88.95	88.96
Mar-12	88.75	94.11	90.14	91.57	89.00	88.93	92.15	88.76	88.77
Apr-12	88.58	93.73	89.03	90.10	88.94	88.92	91.20	88.97	88.92
May-12	90.88	94.03	89.66	91.36	90.95	90.99	92.00	90.99	90.93
Jun-12	88.75	93.59	88.18	89.29	88.77	88.75	90.30	88.78	88.75
Jul-12	88.82	93.38	87.50	89.04	88.74	88.76	89.01	88.79	88.75
Aug-12	88.72	93.16	88.27	89.68	88.91	89.07	89.90	88.93	88.94
Sep-12	88.76	93.27	87.66	89.17	88.88	88.94	88.67	88.95	88.91
Oct-12	88.65	92.54	87.67			87.94	88.77	87.99	87.98
Nov-12	88.91	94.07	89.53	90.66	88.95	89.02	91.40	88.91	88.89
Dec-12	91.40	93.49	90.82	88.83	91.32	91.37	90.90	91.38	89.33
Jan-13	88.90	93.66	88.90	89.75	88.87	88.78	91.57	88.83	88.81
Feb-13		94.29	90.66	93.40	93.63	93.66	91.98	93.75	93.67
Mar-13	94.13	94.66	91.29	94.57	94.03	94.14	92.99	94.15	94.08
Apr-13	94.21	94.79	91.40	94.54	94.11	94.25	92.97	94.23	94.16
May-13	94.06	94.38	91.22	94.47	93.94	94.10	92.39	94.10	94.04
Jun-13	94.20	94.88	91.61	94.53	94.05	94.21	92.94	94.20	94.13
Jul-13	94.62	94.62	91.14	94.17	94.01	94.20	91.90	94.21	94.15
Aug-13	93.74	94.54	90.63	93.42	93.58	93.75	90.64	93.75	93.65
Sep-13	92.82	94.25	92.77	89.80	92.66	92.83	89.72	92.81	92.78
Oct-13	92.36	94.23	89.27	92.54	92.23	92.39	89.56	92.38	92.31
Nov-13	94.15	94.75	90.75	94.29	94.08	94.16	92.39	94.19	94.11
Dec-13	94.35	95.06	90.70	94.77	94.27	94.37	92.72	94.37	94.31
Jan-14	94.39	95.49	91.05	94.97	94.48	94.43	93.66	94.43	94.37
Feb-14	94.34	94.44	89.88	94.32	94.13	94.38	92.15	94.35	94.27
Mar-14	94.35	95.17	91.03	94.95	94.41	94.50	93.00	94.49	94.42
Apr-14	94.42	94.90	91.13	94.98	94.38	94.43	93.95	94.44	94.40
May-14	94.27	95.38	91.02	94.65	94.20	94.29	93.27	94.30	94.23
Jun-14	94.17	95.10	90.47	94.24	93.94	94.19	91.96	94.20	94.14
Jul-14	93.90	94.60	89.86	93.82	93.68	93.92	90.82	93.92	93.84
Aug-14	94.02	94.10	90.05	94.03	93.83	94.04	91.55	94.04	93.98
Sep-14	94.10	94.39	89.25	93.99	93.85	94.11	90.56	94.10	94.02
Oct-14	94.34	94.49	89.29	94.19	94.09	94.34	90.80	94.34	94.24

Table 1. Groundwater Elevations at Moog

Date	Sump	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
Dec-14	94.39	94.96	90.92	94.90	94.35	94.41	93.05	94.42	94.36
Jan-15	94.01	94.73	90.28	94.29	93.91	94.05	92.47	94.02	93.96
Mar-15	94.44	95.20	91.13	94.99	94.43	94.45	93.90	94.48	94.43
Apr-15	94.48	94.59	91.02	94.88	94.41	94.50	94.15	94.50	93.45
May-15	94.20	94.88	90.29	94.40	93.96	94.22	92.36	94.21	94.13
Jun-15	94.18	94.96	90.57	94.40	94.03	94.26	92.49	94.29	94.21
Jul-15	94.38	95.10	90.30	94.49	94.16	94.42	92.37	94.41	94.33
Aug-15	94.26	94.94	89.55	94.42	94.01	94.28	91.33	94.28	94.20
Sep-15	93.68	94.23	89.29	93.63	93.46	93.73	90.35	93.71	93.63
Oct-15	93.93	94.92	90.58	94.07	93.68	93.92	90.75	93.96	93.86
Nov-15	94.17	94.96	89.87	94.29	93.95	94.19	91.65	94.19	94.12
Dec-15	94.15	94.88	90.12	94.44	94.01	94.18	91.70	94.20	94.13
Jan-16	94.28	95.19	90.39	94.67	94.25	94.31	92.75	94.31	94.25
Feb-16	94.37	95.32	90.81	94.93	94.41	94.40	94.12	94.41	94.35
Mar-16	94.48	92.57	90.83	94.82	94.38	94.50	94.20	94.49	94.47
Apr-16	94.44	95.30	91.11	94.83	94.40	94.46	93.93	94.47	94.42
May-16	93.79	94.92	89.52	93.80	93.54	93.81	91.17	93.81	93.73
Jun-16	94.10	93.76	89.47	94.06	93.83	94.12	91.14	94.12	94.04
Aug-16	93.63	94.37	87.95	93.40	93.36	93.65	89.10	93.65	93.55
Sep-16	93.10	94.57	88.62	93.13	92.87	93.14	89.63	93.12	93.03
Oct-16	93.97	94.63	88.72	93.93	93.73	93.97	90.73	93.99	93.91
Nov-16	93.85	94.81	89.49	94.05	93.67	93.89	91.36	93.87	93.80
Dec-16	94.34	94.83	90.25	94.73	94.21	94.37	92.34	94.38	94.31
Jan-17	94.55	95.37	90.56	95.20	94.58	94.57	93.75	94.58	94.52
Feb-17	94.56	95.34	90.49	94.73	94.52	94.60	93.85	94.51	94.54
Mar-17	94.42	94.88	90.64	94.94	94.35	94.46	94.23	94.45	94.38
Mar-17	94.42	94.88	90.64	94.94	94.35	94.46	94.23	94.45	94.38
Apr-17	94.32	95.54	90.90	94.83	94.27	94.35	94.42	94.36	94.29
May-17	94.25	95.05	89.97	94.33	94.05	94.28	92.72	94.30	94.23
Jun-17	93.76	94.53	88.73	93.89	93.52	93.76	91.98	93.72	93.44
Jul-17	93.68	94.99	89.37	93.63	93.23	93.42	91.50	93.45	93.45
Aug-17	94.01	95.00	89.60	94.31	93.78	94.01	92.00	94.04	93.96
Sep-17	93.95	94.34	89.41	93.95	93.68	93.97	91.26	93.97	93.89
Oct-17	92.43	94.45	88.53	92.68	92.22	92.48	90.35	92.46	92.40
Nov-17	94.18	95.03	90.26	94.68	94.03	94.20	93.16	94.22	94.16
Dec-17	94.29	95.32	90.46	94.87	94.16	94.35	93.19	94.35	94.27
Jan-18	93.93	95.06	90.22	94.33	93.73	93.95	93.01	93.94	93.87
Feb-18	94.36	95.49	90.76	94.99	94.36	94.39	94.10	94.41	94.36
Mar-18	94.30	94.96	91.00	94.80	94.16	94.32	94.05	94.34	94.28
Apr-18	94.30	95.49	91.10	94.87	94.08	94.34	94.39	94.36	94.30
May-18	94.06	95.19	90.13	94.32	93.79	94.10	92.32	94.11	94.01
Jun-18	93.92	94.76	89.96	94.07	93.60	93.93	91.98	93.95	93.86
Jul-18	93.80	94.91	89.59	93.74	93.50	93.84	91.24	93.83	93.85
Aug-18	94.18	94.91	89.32	94.33	93.86	94.19	91.17	94.17	94.12
Sep-18	93.74	94.62	88.66	93.67	93.44	93.76	90.26	93.76	93.68
Oct-18	94.30	94.91	88.87	94.68	94.00	94.28	91.39	94.32	94.24
Nov-18	94.36	95.34	90.53	95.09	94.34	94.40	93.41	94.42	94.31

<u>Date</u>	<u>Sump</u>	<u>MW-1B</u>	<u>MW-2A</u>	<u>MW-2B</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>MW-6</u>	<u>MW-7</u>
Dec-18	95.06	93.68	90.35	94.93	94.24	94.36	94.08	94.35	94.32
Jan-19	94.35	95.12	90.47	94.93	94.38	94.39	94.23	94.41	94.35
Feb-19	94.33	95.23	90.70	94.63	94.09	94.32	93.55	94.33	94.28
Mar-19	94.15	94.79	90.09	94.47	93.89	94.19	92.93	94.21	94.12
Apr-19	94.34	95.35	90.79	94.77	94.18	94.37	93.89	94.36	94.33
May-19	94.25	95.00	90.34	94.40	93.96	94.28	92.74	94.30	94.22
Jun-19	94.08	94.00	90.09	94.29	93.78	94.12	92.51	94.14	94.06
Jul-19	94.08	94.80	89.87	94.22	93.75	94.09	92.24	94.08	94.04
Aug-19	93.72	94.74	88.78	93.83	93.38	93.76	90.61	93.75	93.67
Sep-19	94.23	92.85	89.02	94.39	93.90	94.27	91.41	94.26	94.21
Oct-19	94.46	94.63	89.22	94.90	94.13	94.49	91.71	94.48	94.53
Nov-19	94.40	94.94	90.54	94.77	94.28	94.42	93.30	94.43	94.38
Dec-19	94.35	94.55	89.92	94.73	94.36	94.36	94.10	94.38	94.31
Jan-20	94.30	94.89	90.41	94.61	94.26	94.35	94.05	94.34	94.28
Feb-20	94.31	95.55	90.42	94.58	94.32	94.35	94.13	94.37	94.28
Mar-20	94.38	95.01	90.52	94.76	94.39	94.41	94.20	94.43	94.36
Apr-20	94.36	95.07	90.71	94.72	94.38	94.38	94.24	94.40	94.34
May-20	94.25	95.10	90.62	94.46	94.07	94.27	93.55	94.28	94.23
Jun-20	93.95	94.82	89.99	94.09	93.67	94.01	92.44	93.99	93.92
Jun-20	93.94	94.85	89.57	94.04	93.62	93.97	91.76	93.97	93.85
Aug-20	94.13	94.85	88.89	93.95	93.79	94.13	91.02	94.14	94.08
Sep-20	93.50	93.87	88.29	93.59	93.20	93.55	90.40	93.53	93.46
Oct-20	94.29	94.41	87.99	94.68	93.94	94.30	91.74	94.32	94.32
Nov-20	94.05	94.73	89.44	94.62	93.79	94.11	91.94	94.09	94.03
Dec-20	94.22	94.66	90.22	94.55	93.99	94.27	93.29	94.26	94.22
Jan-21	94.34	95.16	90.52	94.69	94.18	94.38	94.12	94.38	94.32
Feb-21	94.04	94.73	89.37	94.27	93.75	94.07	92.48	94.05	93.93
Mar-21	94.35	95.07	90.72	94.75	94.21	94.36	93.25	94.40	94.33
Apr-21	94.10	94.97	90.16	94.35	93.83	94.14	92.39	94.13	94.07
May-21	93.93	94.99	89.94	94.08	93.63	93.97	92.33	93.96	93.91
Jul-21	93.93	94.87	89.50	94.04	93.61	93.98	91.51	93.98	93.91
Aug-21	93.93	94.87	89.50	94.04	93.61	93.98	91.51	93.98	93.91
Sep-21	94.40	94.71	88.65	94.49	94.05	93.97	91.36	94.43	95.48
Oct-21	94.26	94.85	89.10	94.46	93.98	94.31	92.30	94.30	94.25
Nov-21	94.30	94.92	90.35	94.74	94.09	94.35	93.43	94.35	94.54
Dec-21	94.31	93.40	89.99	94.50	94.08	94.35	93.04	94.35	94.25
Jan-22	94.25	94.96	90.20	94.70	94.01	94.30	93.50	94.30	94.23
Feb-22	94.47	95.13	90.44	94.77	94.18	94.51	93.95	94.51	94.41
Mar-22	94.35	95.05	90.28	94.75	94.13	94.39	93.65	94.41	94.34
Apr-22	94.24	95.17	90.51	94.65	93.99	94.27	93.18	94.28	94.21
May-22	94.15	95.01	90.10	94.34	93.81	94.17	92.36	94.18	94.50



TABLE 2
MOOG SITE
SUMMARY OF FIELD MEASUREMENTS
(May 20, 2022)

Location	Sample Time	pH (SU)	Turbidity (NTU)	Specific Conductance (uhmos/cm)	Temperature (F)	Sample Appearance
Method		SM4500 HB (23 rd Ed)	EPA 180.1 (Rev 2.0)	EPA 120.1 (Rev 1982)	SM2550B (23 rd Ed)	
MW-1B	1:09 pm	7.15	8.23	899	61	Clear
MW-2A	12:56 pm	6.61	8.38	1,619	60	Clear
MW-2B	1:00 pm	7.09	1.74	3,478	55	Clear
MW-3	12:27 pm	7.09	8.31	1,763	58	Clear
MW-4	12:42 pm	7.08	3.92	1,236	57	Clear
MW-5	12:12 pm	6.58	1.37	854	54	Clear
MW-6	12:47 pm	7.28	12.6	562	57	Slightly Turbid
MW-7	12:34 pm	7.82	93.9	497	62	Turbid

All measurements made in the field by FTA (ELAP No. 10475) immediately upon sample collection.
 All meters were calibrated in accordance with FTA laboratory procedures and protocols.

TABLE 3
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Second Quarter 2022 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-TETRACHLOROETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0 U	5.0 U	23	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHANE (1,1-DCA)	5.0 U	5.0 U	210	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHENE (1,1-DCE)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-TRICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	10 U
1,2-DIBROMOETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROPROPANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-DICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-DICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-BUTANONE (MEK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ACETONE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMODICHLOROMETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOFORM	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOMETHANE	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON TETRACHLORIDE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROFORM	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

U = Not Detected, J = Estimated

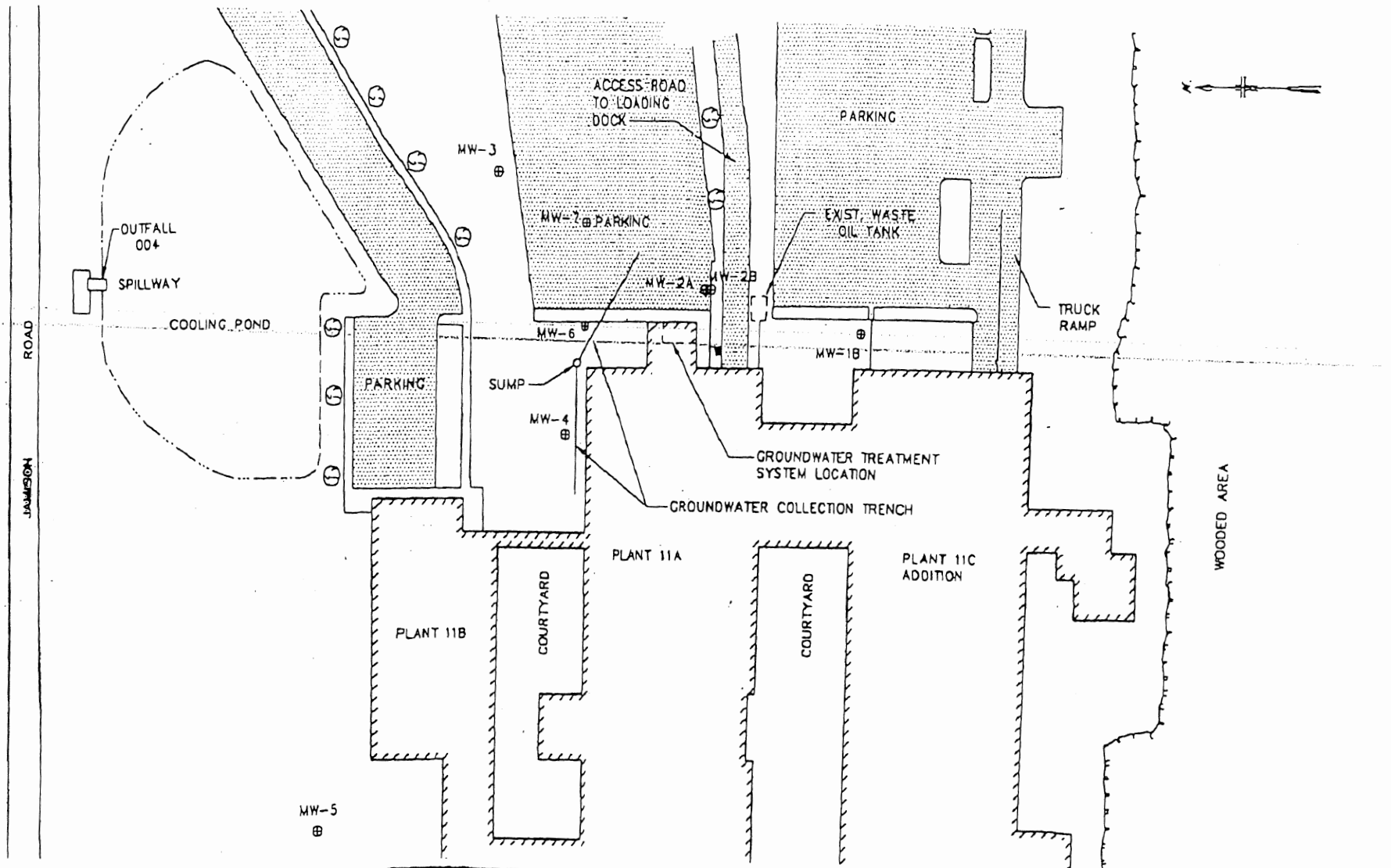
TABLE 3 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Second Quarter 2022 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
CYCLOHEXANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DIBROMOCHLOROMETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
DICHLORODIFLUOROMETHANE (CFC 12)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DICHLOROMETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ETHYLBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ISOPROPYLBENZENE (CUMENE)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
METHYL ACETATE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
METHYL TERT-BUTYL ETHER	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
METHYLCYCLOHEXANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
STYRENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TETRACHLOROETHENE (PCE)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TOLUENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRICHLOROETHENE (TCE)	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
VINYL CHLORIDE	10 U	10 U	61	10 U	10 U	10 U	10 U	10 U
CIS-1,2-DICHLOROETHENE	5.0 U	5.0 U	59	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CIS-1,3-DICHLOROPROPENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
M,P-XYLENES	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
O-XYLENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRANS-1,2-DICHLOROETHENE	5.0 U	5.0 U	15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
TRANS-1,3-DICHLOROPROPENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

U = Not Detected, J= Estimated, B=Found in Method Blank

FIGURE 1



EAST AURORA PLANT 11
GROUNDWATER REMEDIATION SYSTEM
PERFORMANCE MONITORING
MONITORING WELL LOCATIONS

MOOG, INC.

Figure 2. Groundwater Elevations in Sump

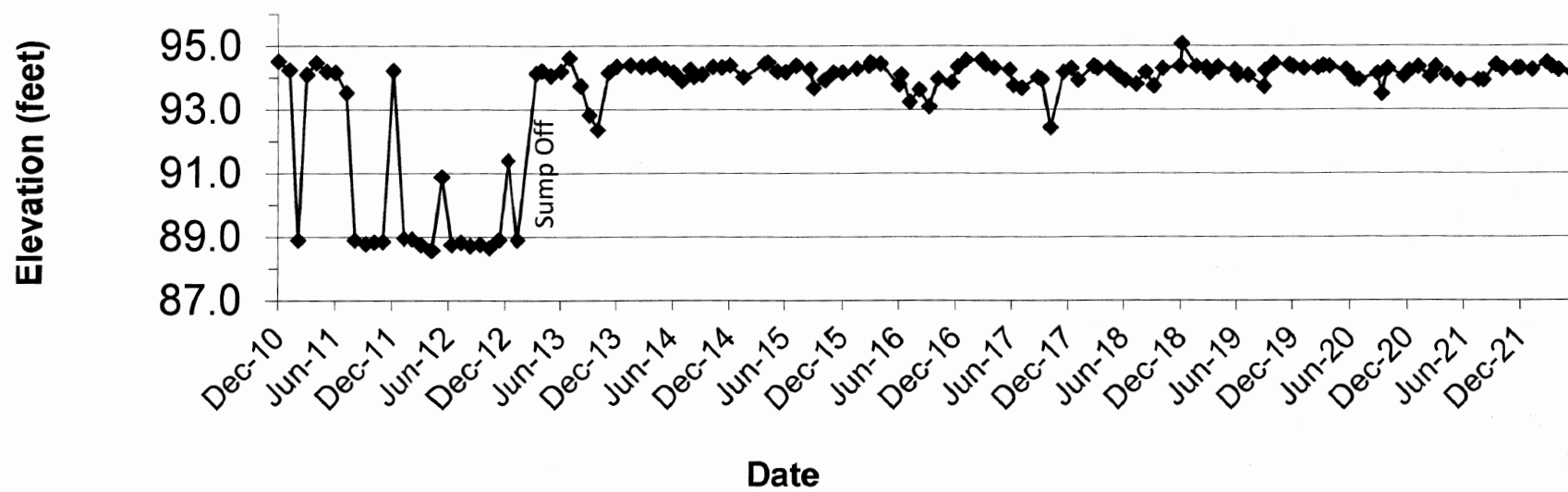


Figure 3. Groundwater Elevations MW-1B

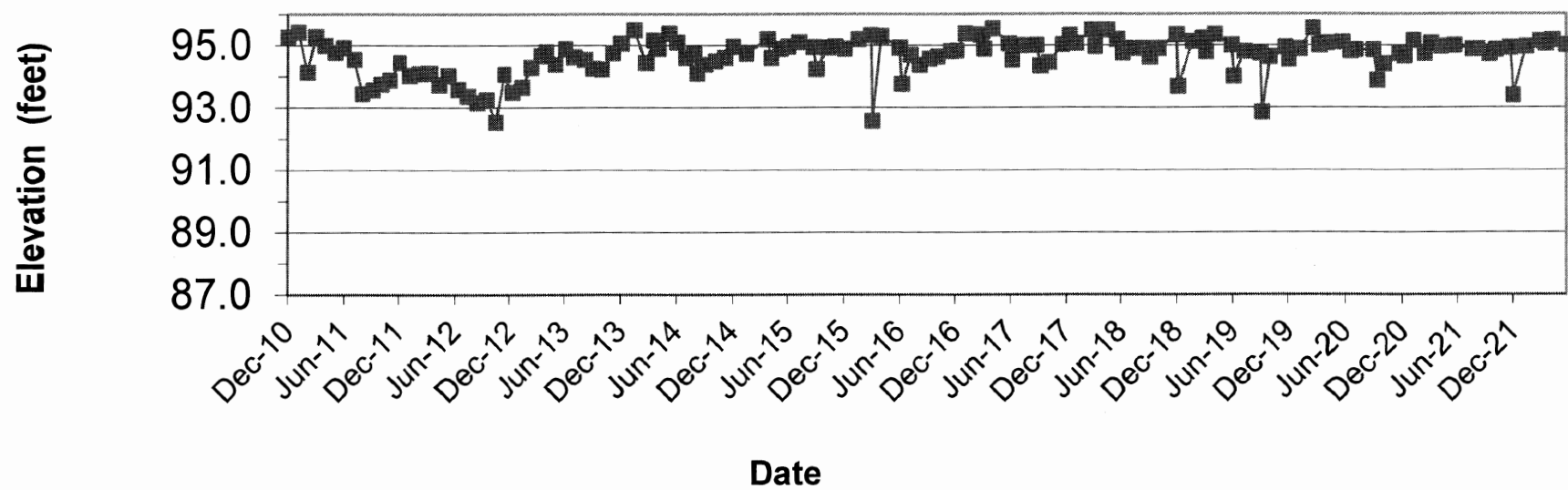


Figure 4. Groundwater Elevations MW-2A

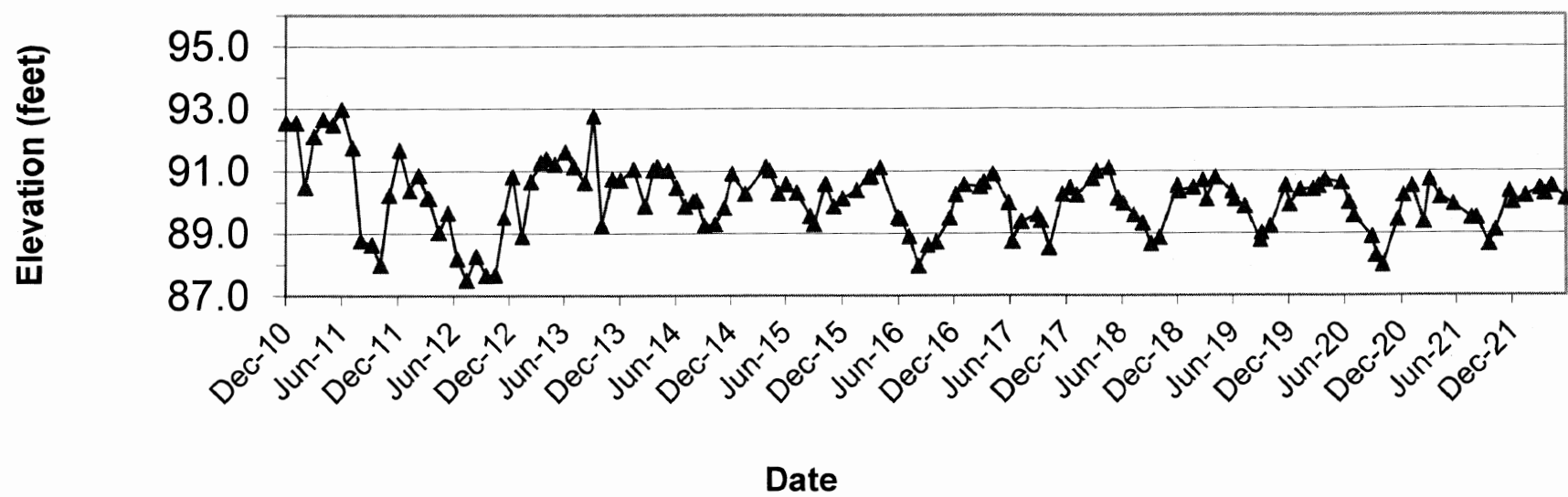


Figure 5. Groundwater Elevations MW-2B

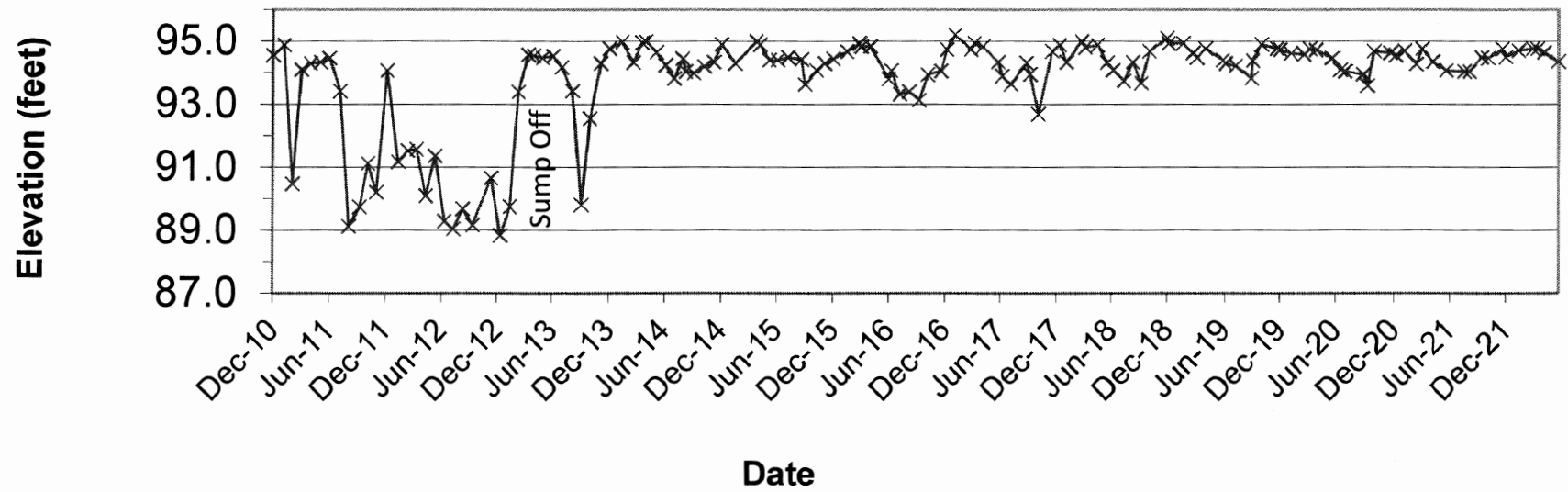


Figure 6. Groundwater Elevations MW-3

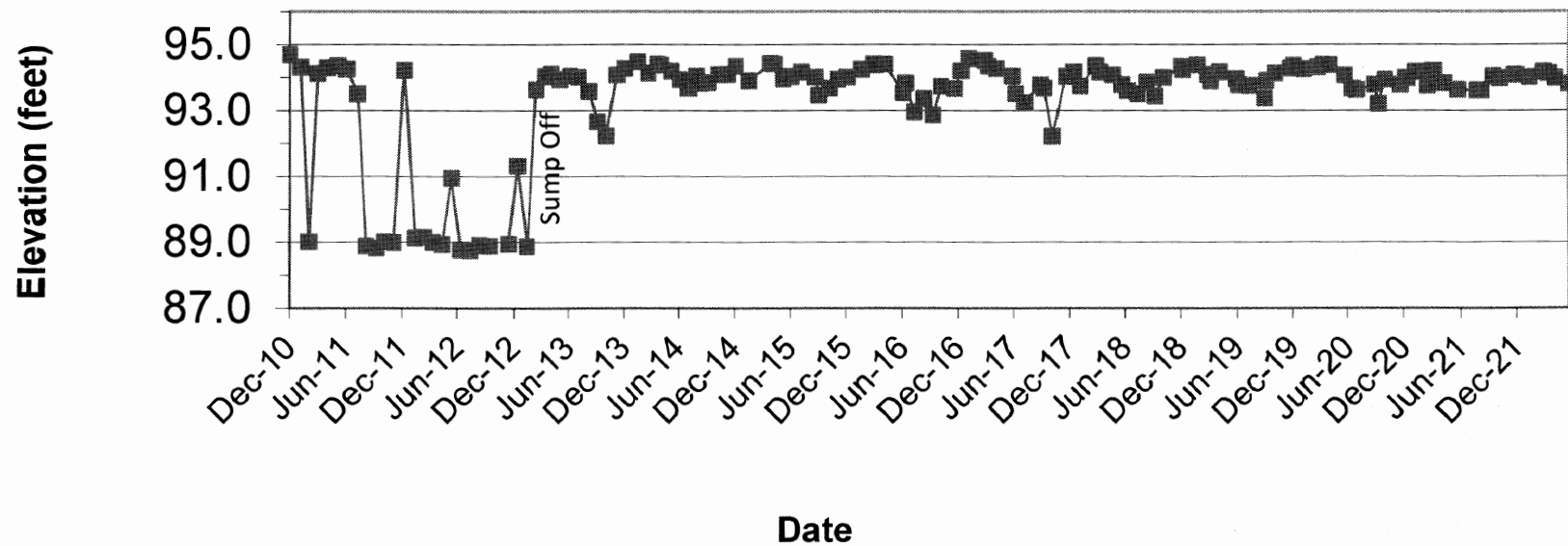


Figure 7. Groundwater Elevations MW-4

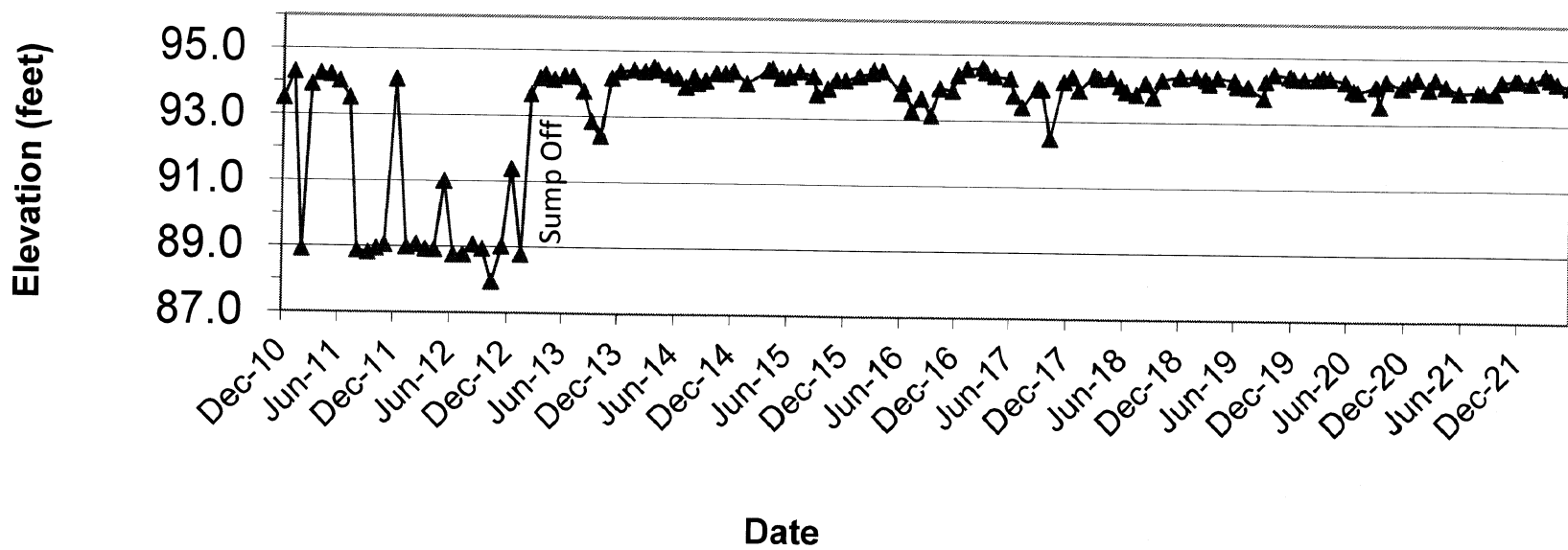


Figure 8. Groundwater Elevations MW-5

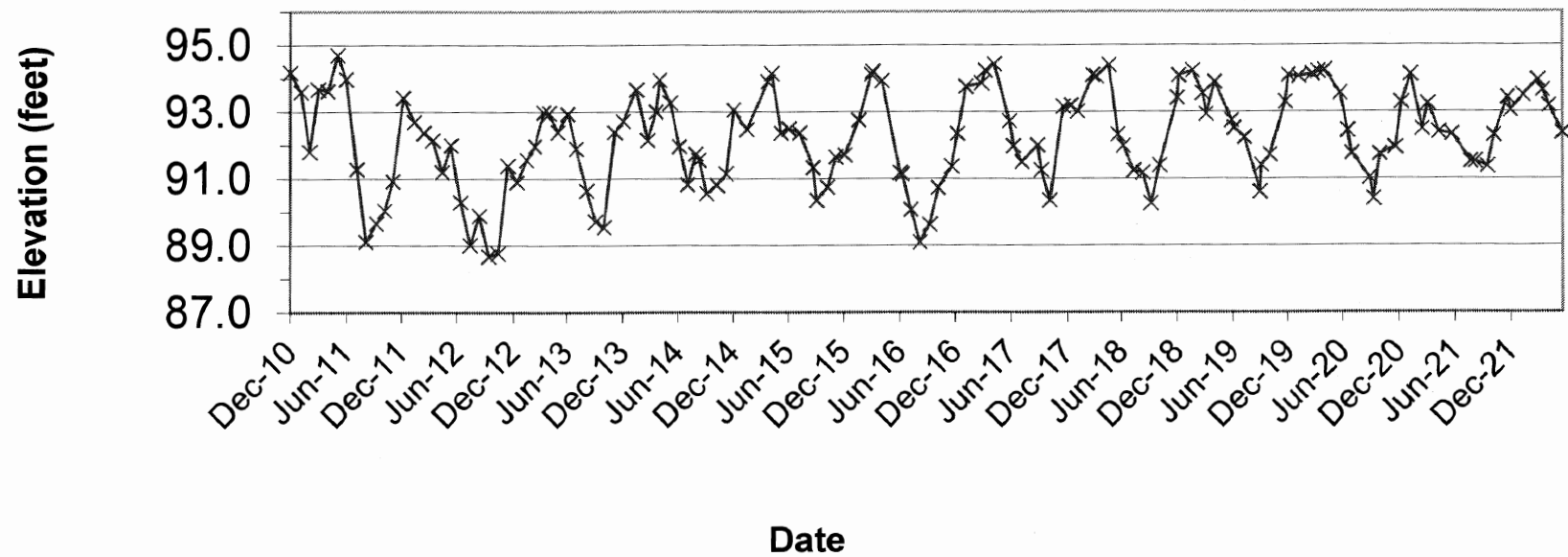


Figure 9. Groundwater Elevations MW-6

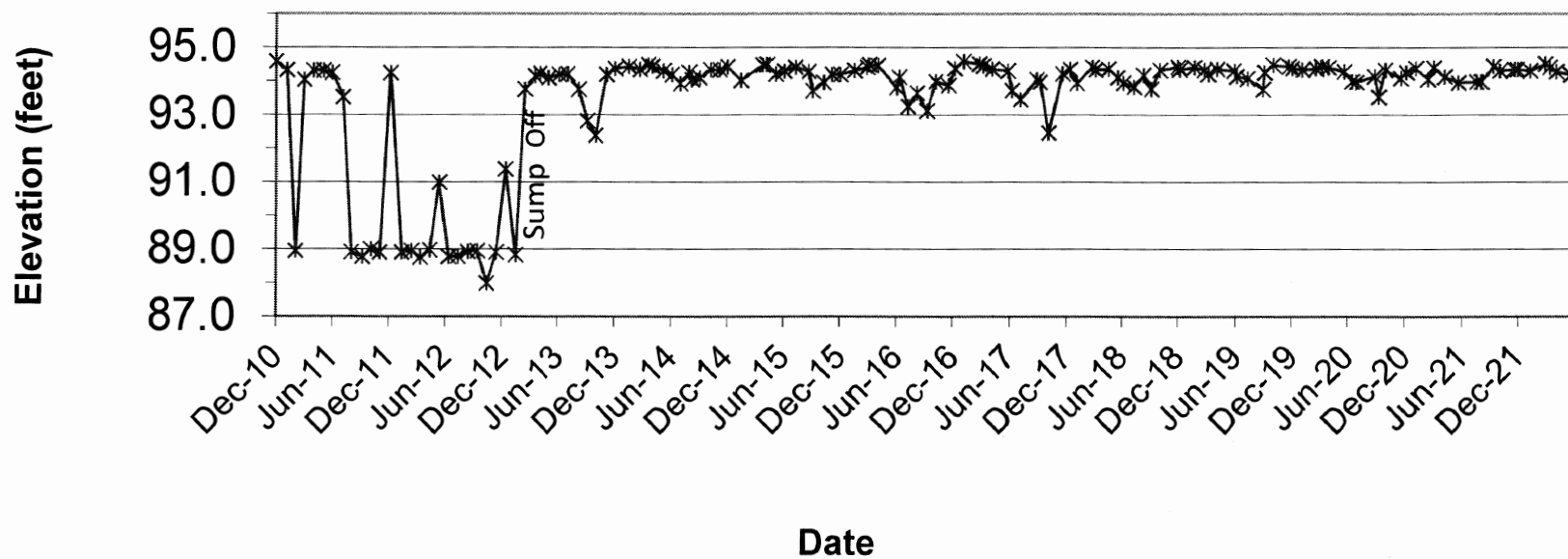
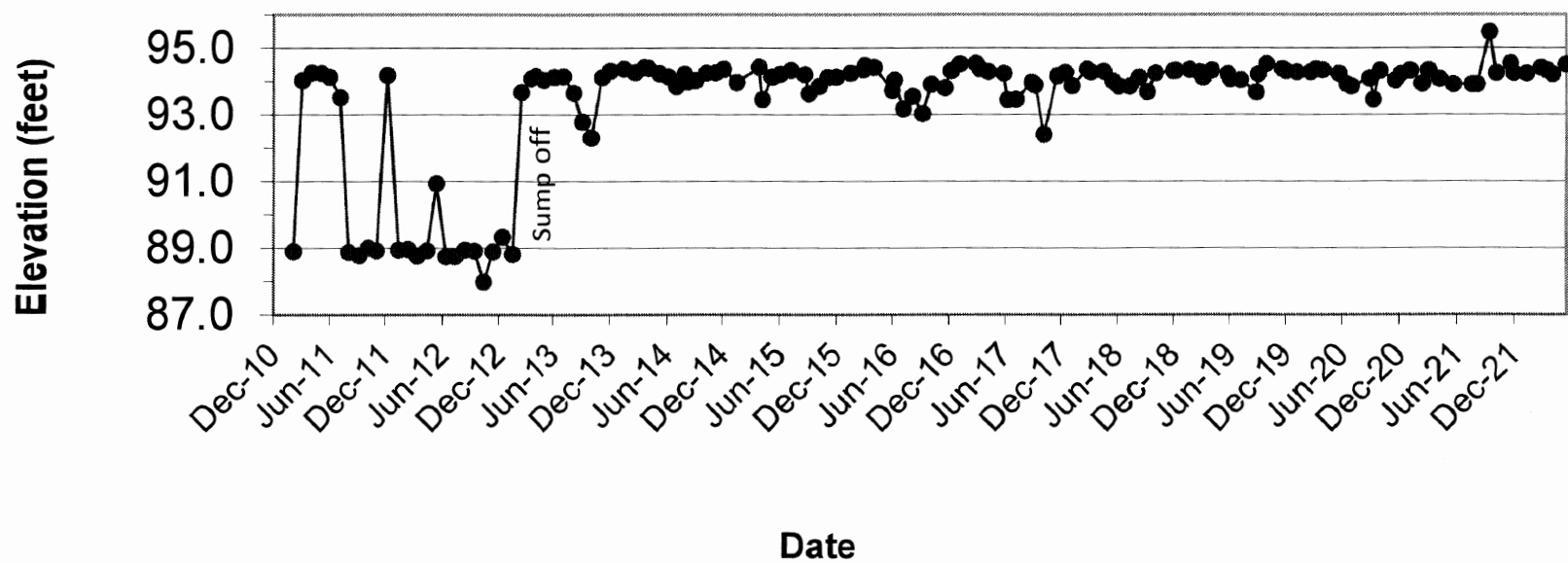
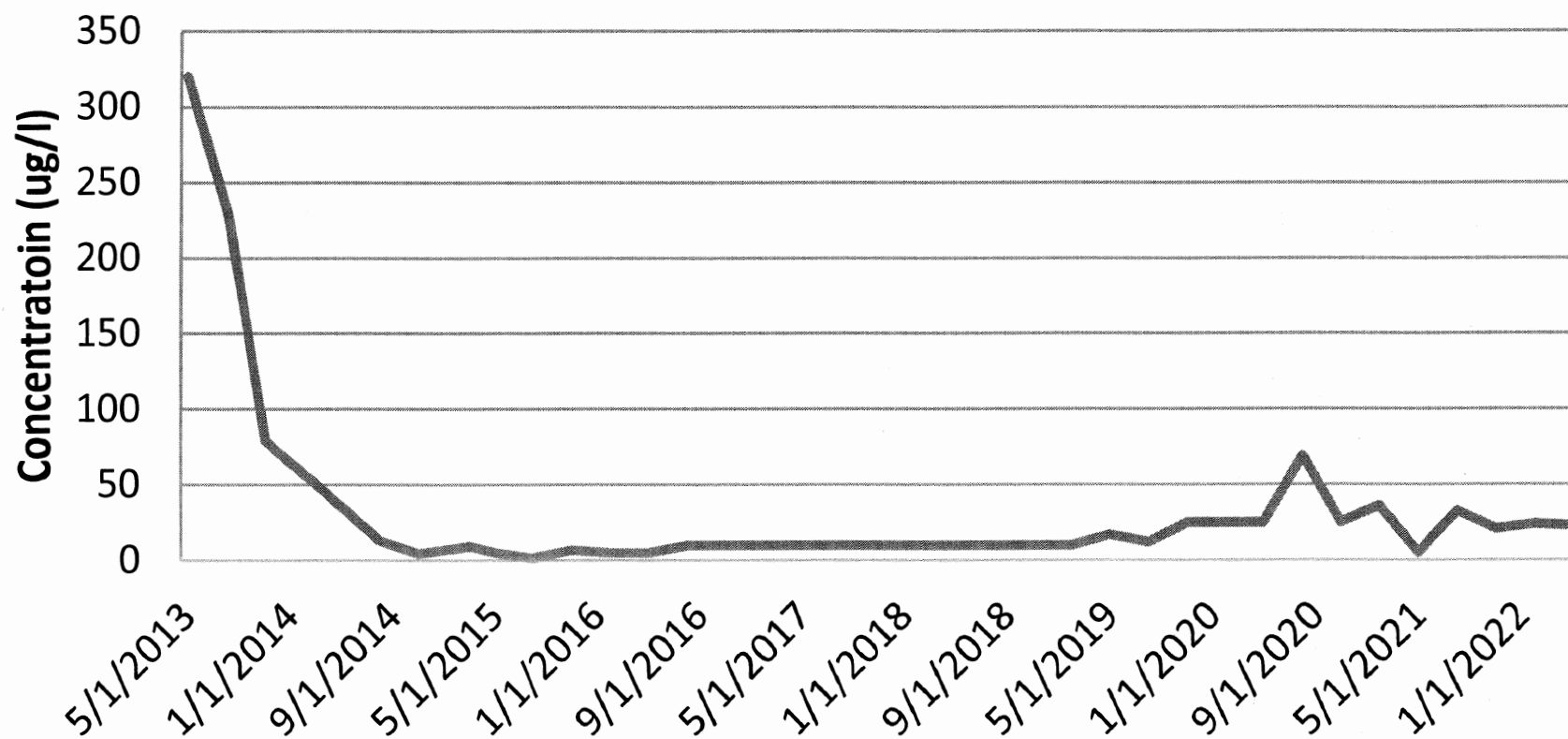


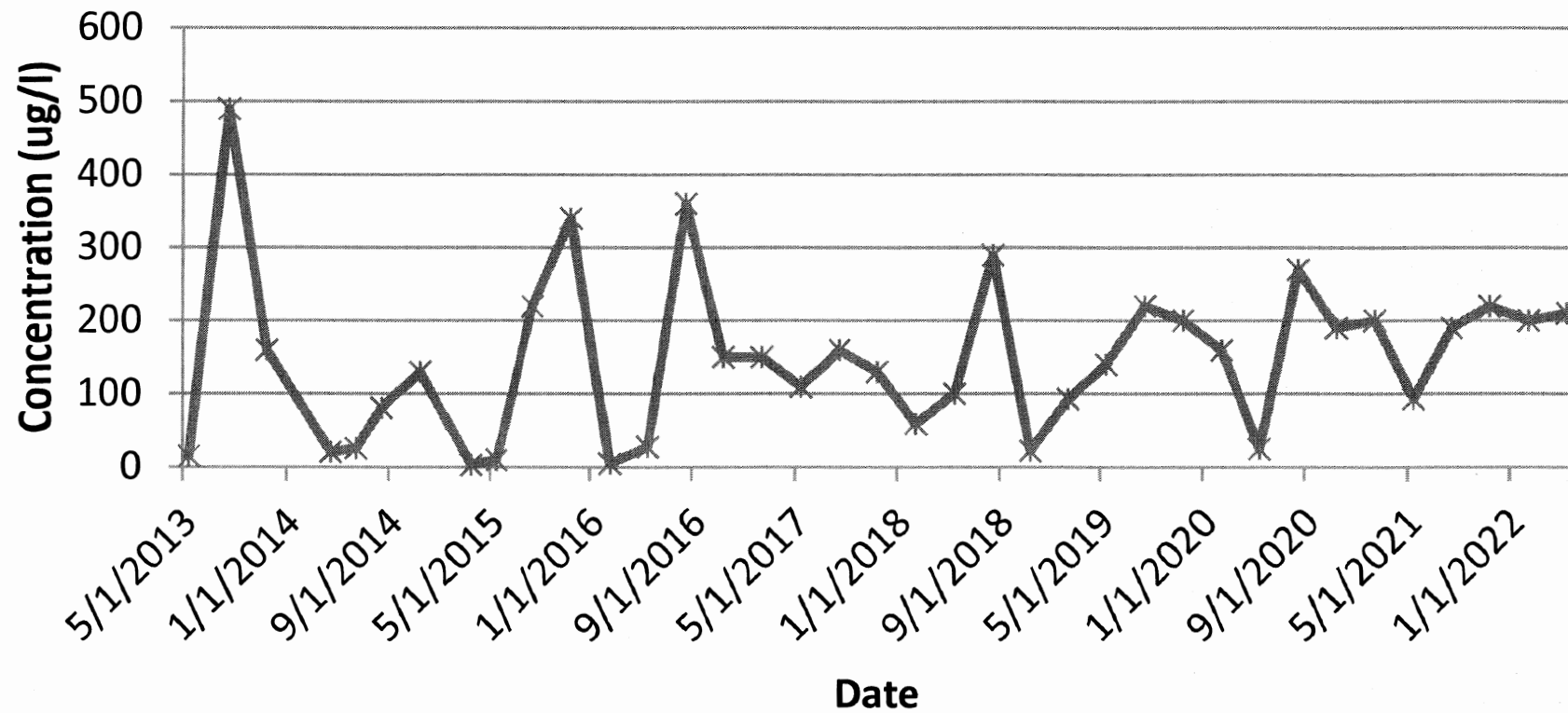
Figure 10. Groundwater Elevations MW-7



**Figure 11. Concentration of CFC 113
in Well MW-2B**



**Figure 12. Concentration of 1,1 DCA
in Well MW-2B**



**Figure 13. Concentration of TCE
in Well MW-2B**

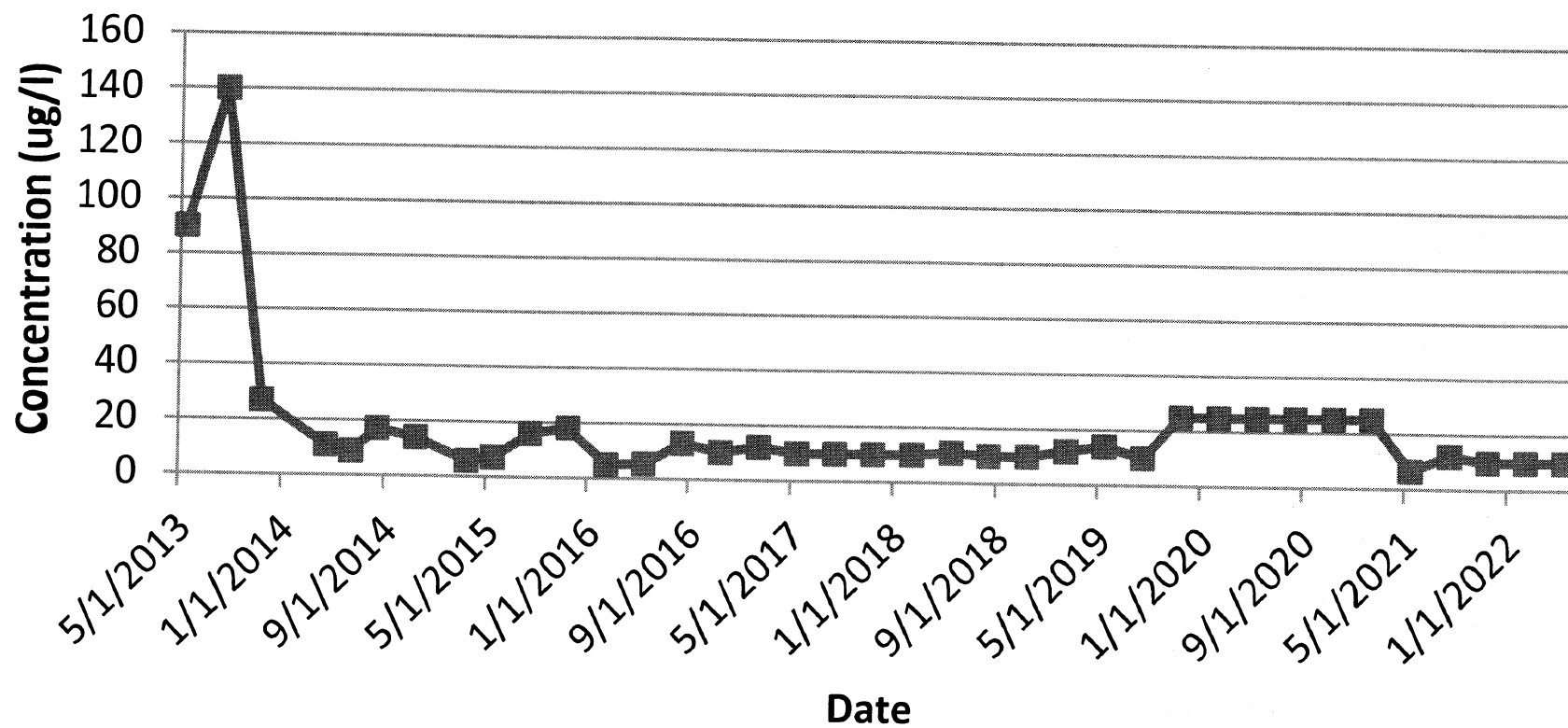
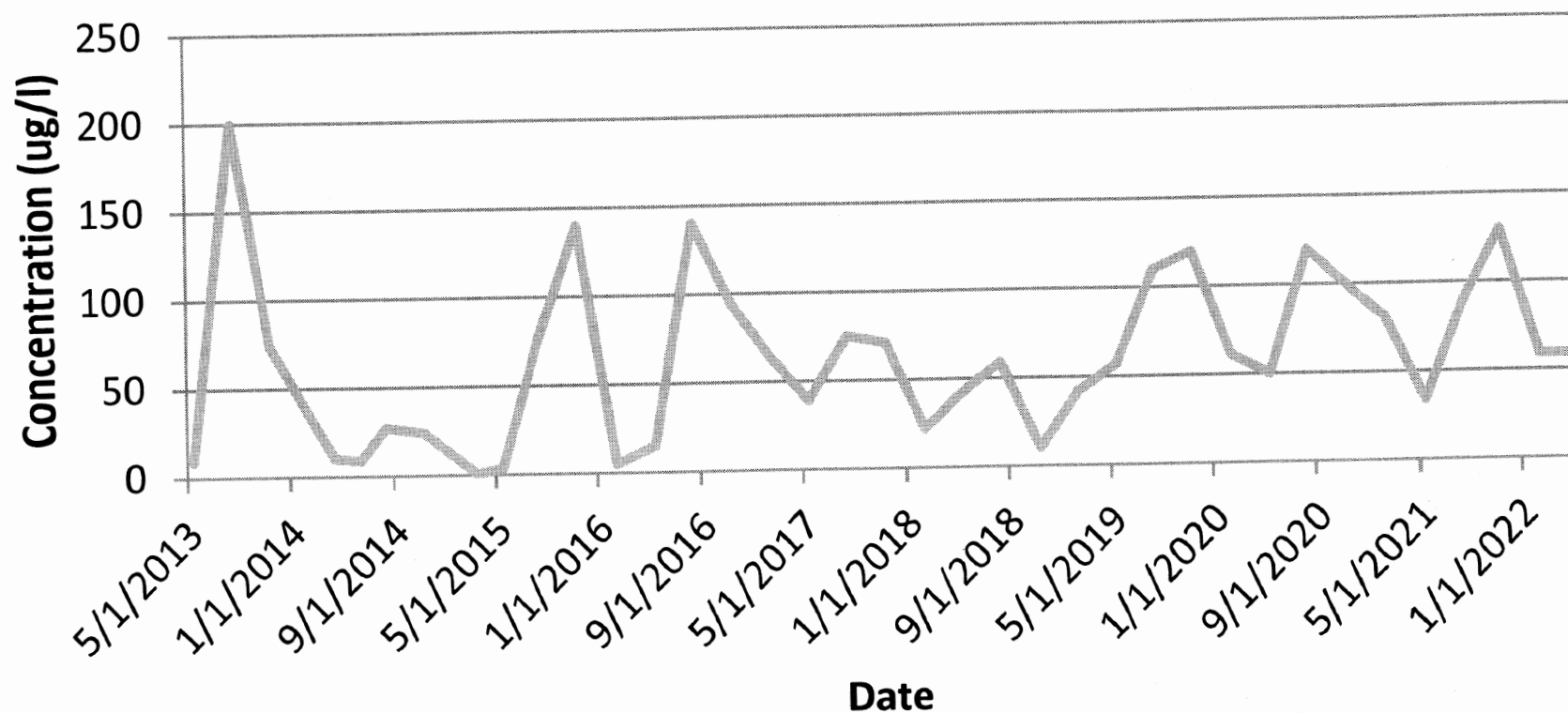
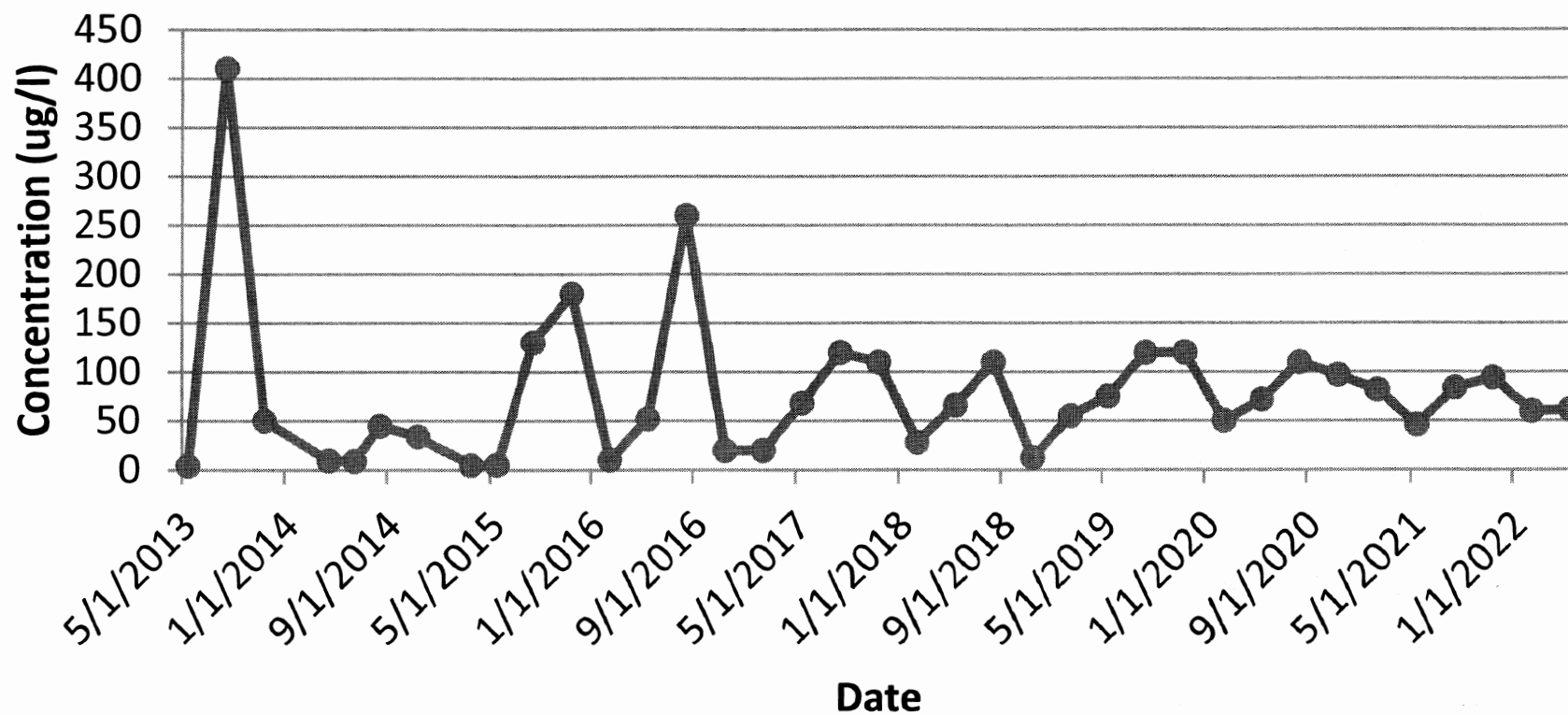


Figure 14. Concentration of Cis 1,2- Dichloroethene in Well MW-2B



**Figure 15. Concentration of Vinyl Chloride
in Well MW-2B**



APPENDIX

Field Forms
Laboratory Report

3/16/22

MOOG, INC. PLANT 11 REMEDIATION SYSTEM PERFORMANCE MONITORING SUMMARY OF GROUNDWATER ELEVATIONS			
Well Number	PVC Riser Elevation	Bottom Depth	Depth to Water
MW-1B	99.47	16.81	4.42
MW-2A	98.7	25.50	8.42
MW-2B	98.9	10.53	4.15
MW-3	99.66	11.74	5.53
MW-4	99.47	11.61	5.08
MW-5	96.95	10.53	3.30
MW-6	99.43	14.26	5.02
MW-7	97.43	12.04	3.09
SUMP	100.08	--	5.73

Sampler/Analyst: RON BLINSTONSignature: [Signature]Reviewed by: David HardySignature: [Signature]

4/16/22

MOOG, INC. PLANT 11 REMEDIATION SYSTEM PERFORMANCE MONITORING SUMMARY OF GROUNDWATER ELEVATIONS			
Well Number	PVC Riser Elevation	Bottom Depth	Depth to Water
MW-1B	99.47	16.81	4.30
MW-2A	98.7	25.50	8.19
MW-2B	98.9	10.53	4.25
MW-3	99.66	11.74	5.67
MW-4	99.47	11.61	5.20
MW-5	96.95	10.53	3.77
MW-6	99.43	14.26	5.15
MW-7	97.43	12.04	3.22
SUMP	100.08	--	5.84

Sampler/Analyst: RON BLINNSTON

Signature: [Signature]

Reviewed by: David Hartley

Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, NY 14221

Moog Groundwater Calibration Record

Date: 5/20/22

Time: 12:00 pm

Standard
Expires

pH Calibration: Temp: 21.9

Buffers: 7.0 7.01

11/20/2022

Instrument ID: 5

10.0 10.04

10/6/2022

Check 4.0 4.02

10/29/2022

Turbidity: Cal. Check Std: 20 NTU

Reading: 20.1

02/2023

Instrument ID: E

must be +/- 10% of true value

Method Blank: 0.51

Post- Sampling Cal. Check Std: 20 NTU

Reading: _____

02/2023

Instrument ID: _____

must be +/- 10% of true value

Specific Conductivity Cal. Check Std: 1413 umhos/cm

Instrument ID: CON 6 + C

Reading: 1413

06/25/2022

Field Analyst: [Signature]



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-1B

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 16.81 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 4.46 ft.

Depth of Water Column: 12.35 ft.

Volume of Standing Water in Well: 2.1 gallons

Start of Purge: Date: 5/20/22 Time: 9:04

End of Purge: Date: 5/20/22 Time: 9:21

Total Volume Purge: 4 gallons Well Purged Dry?: Yes No

of Volumes Purged 2 Purging Personnel: Rod BLINSTON

Recharge Rate: Rapid, Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 5/20/22 Sample Time: 1:09 Depth to Water Surface 15.51 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No

Sampling Personnel: Rod BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 RD Ed	Oakton 300	STD. UNITS	7.15	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	8.23	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	899	
Temperature SM 2550 B 23 RD Ed	UEi 550	F	61	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-2A

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 25.50 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 8.60 ft.

Depth of Water Column: 16.90 ft.

Volume of Standing Water in Well: 2.9 gallons

Start of Purge: Date: 5/20/22 Time: 9:11

End of Purge: Date: 5/20/22 Time: 10:00

Total Volume Purge: 3 3/4 gallons Well Purged Dry?: (Yes) No

of Volumes Purged 1 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid (Slow) Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 5/20/22 Sample Time: 12:56 Depth to Water Surface 22.75 ft.

Sample Appearance: CLEAR

Samples Preserved (Yes) No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated (Yes) No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	<u>6.61</u>	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	<u>8.38</u>	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	<u>1619</u>	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	<u>60</u>	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-2B

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 10.53 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 4.56 ft.

Depth of Water Column: 5.97 ft.

Volume of Standing Water in Well: 1.1 gallons

Start of Purge: Date: 5/20/22 Time: 9:27

End of Purge: Date: 5/20/22 Time: 9:31

Total Volume Purge: 2.2 gallons Well Purged Dry? (Yes) No

of Volumes Purged 2 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid, Slow, (Extremely Slow)

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 5/20/22 Sample Time: 1:00 Depth to Water Surface 6.43 ft.

Sample Appearance: CLEAR

Samples Preserved: (Yes) No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated: (Yes) No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	<u>7.09</u>	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	<u>1.74</u>	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	<u>3478</u>	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	<u>55</u>	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-3

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 11.74 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 5.85 ft.

Depth of Water Column: 5.89 ft.

Volume of Standing Water in Well: 1.1 gallons

Start of Purge: Date: 5/20/22 Time: 10:18

End of Purge: Date: 5/20/22 Time: 10:24

Total Volume Purge: 2.3 gallons Well Purged Dry?: Yes No

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 5/20/22 Sample Time: 12:27 Depth to Water Surface 5.91 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated: Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	7.09	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	8.31	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	µMHOS/CM	1763	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	58	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-4

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 11.61 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 5.30 ft.

Depth of Water Column: 6.31 ft.

Volume of Standing Water in Well: 1.1 gallons

Start of Purge: Date: 5/20/22 Time: 10:38

End of Purge: Date: 5/20/22 Time: 10:46

Total Volume Purge: 3.3 gallons Well Purged Dry?: Yes ☒ No

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 5/20/22 Sample Time: 12:42 Depth to Water Surface 5.27 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes ☒ No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated: ☒ Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	7.08	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	3.92	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	µMHOS/CM	1236	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	57	

Weather: _____

Notes: SUMP: 5.93



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-5

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 10.53 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 4.59 ft.

Depth of Water Column: 5.94 ft.

Volume of Standing Water in Well: 1.1 gallons

Start of Purge: Date: 5/20/22 Time: 11:09

End of Purge: Date: 5/20/22 Time: 11:19

Total Volume Purge: 3.3 gallons Well Purged Dry?: Yes (No)

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: (Rapid) Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 5/20/22 Sample Time: 12:12 Depth to Water Surface 4.70 ft.

Sample Appearance: CLEAR

Samples Preserved: (Yes) No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated (Yes) No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	6.58	(6.59)
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	1.37	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	854	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	54	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc.

Job No.: ET- 979

Sample Point I.D.: MW-6

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 14.26 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 5.25 ft.

Depth of Water Column: 9.01 ft.

Volume of Standing Water in Well: 1.6 gallons

Start of Purge: Date: 5/20/22 Time: 10:49

End of Purge: Date: 5/20/22 Time: 11:00

Total Volume Purge: 4.8 gallons Well Purged Dry?: Yes No

of Volumes Purged 3 Purging Personnel: Ron BLINSTON

Recharge Rate: Rapid Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 5/20/22 Sample Time: 12:47 Depth to Water Surface 5.25 ft.

Sample Appearance: SLIGHTLY TURBID

Samples Preserved: Yes No

Sampling Personnel: Ron BLINSTON

FIELD MEASUREMENTS

Meters Calibrated: Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	<u>7.28</u>	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	<u>12.6</u>	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	µMHOS/CM	<u>562</u>	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	<u>57</u>	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-7

Consultant: **Frontier Technical Associates, Inc.**

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 12.04 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 2.93 ft.

Depth of Water Column: 9.11 ft.

Volume of Standing Water in Well: 1.6 gallons

Start of Purge: Date: 5/20/22 Time: 10:22

End of Purge: Date: 5/20/22 Time: 10:34

Total Volume Purge: 5 gallons Well Purged Dry?: Yes ☒ No ☐

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: ☒ Rapid ☐ Slow ☐ Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 5/20/22 Sample Time: 12:34 Depth to Water Surface 3.36 ft.

Sample Appearance: TURBID

Samples Preserved: ☒ Yes ☐ No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated ☒ Yes ☐ No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	7.82	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	93.9	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	µMHOS/CM	497	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	62	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-1B Date: 5/20/22

Inspectors Name (Print): RON BLINSTON

Inspector's Company: Frontier Technical Associates, Inc.

Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:

☒ Yes ☐ No ☐ NA

Lock Functioning:

Yes ☒ No ☐ NA

Bailer and Rope OK:

☒ Yes ☐ No ☒ NA LB

Tubing OK:

☒ Yes ☐ No ☐ NA

Protective Casing OK:

Yes ☐ No ☒ NA

Concrete Pad in Good Condition:

☒ Yes ☐ No ☐ NA

Heaving of Well or Casing:

Yes ☒ No ☐ NA

Well Sand in Purge Water:

Yes ☒ No ☐ NA

Well Constricted:

Yes ☒ No ☐ NA

Debris in Well:

Yes ☒ No ☐ NA

Insects in Well:

Yes ☒ No ☐ NA Type: _____

Wind Blown Dust inside Protective Casing:

Yes ☒ No ☐ NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-2A

Date: 5/20/22

Inspectors Name (Print): RON BLINSTON

Inspector's Company: Frontier Technical Associates, Inc.

Address: 8675 Main Street, Williamsville, New York 14221

Well Locked: ☒ Yes ☐ No ☐ NA

Lock Functioning: ☐ Yes ☒ No ☐ NA

Bailer and Rope OK: ☒ Yes ☐ No ☐ NA

Tubing OK: ☒ Yes ☐ No ☐ NA

Protective Casing OK: ☐ Yes ☐ No ☒ NA

Concrete Pad in Good Condition: ☒ Yes ☐ No ☐ NA

Heaving of Well or Casing: ☐ Yes ☒ No ☐ NA

Well Sand in Purge Water: ☐ Yes ☒ No ☐ NA

Well Constricted: ☐ Yes ☒ No ☐ NA

Debris in Well: ☐ Yes ☒ No ☐ NA

Insects in Well: ☐ Yes ☒ No ☐ NA Type: _____

Wind Blown Dust inside Protective Casing: ☐ Yes ☒ No ☐ NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-2B

Date: 5/20/22

Inspectors Name (Print): RON BLINSTON

Inspector's Company: Frontier Technical Associates, Inc.

Address: 8675 Main Street, Williamsville, New York 14221

Well Locked: Yes ☒ No ☐ NA

Lock Functioning: Yes ☐ No ☒ NA

Bailer and Rope OK: ☒ Yes ☐ No ☐ NA

Tubing OK: ☒ Yes ☐ No ☐ NA

Protective Casing OK: Yes ☐ No ☒ NA

Concrete Pad in Good Condition: ☒ Yes ☐ No ☐ NA

Heaving of Well or Casing: Yes ☒ No ☐ NA

Well Sand in Purge Water: Yes ☒ No ☐ NA

Well Constricted: Yes ☒ No ☐ NA

Debris in Well: Yes ☒ No ☐ NA

Insects in Well: Yes ☒ No ☐ NA Type: _____

Wind Blown Dust inside Protective Casing: Yes ☒ No ☐ NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-3 Date: 5/20/22

Inspectors Name (Print): ROD BLINSTON

Inspector's Company: Frontier Technical Associates, Inc.

Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	Yes	<input checked="" type="radio"/> No	NA
Lock Functioning:	Yes	<input checked="" type="radio"/> No	NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes	No	NA
Tubing OK:	<input checked="" type="radio"/> Yes	No	NA
Protective Casing OK:	<input checked="" type="radio"/> Yes	No	NA
Concrete Pad in Good Condition:	Yes	<input checked="" type="radio"/> No	NA
Heaving of Well or Casing:	Yes	<input checked="" type="radio"/> No	NA
Well Sand in Purge Water:	Yes	<input checked="" type="radio"/> No	NA
Well Constricted:	Yes	<input checked="" type="radio"/> No	NA
Debris in Well:	Yes	<input checked="" type="radio"/> No	NA
Insects in Well:	Yes	<input checked="" type="radio"/> No	NA Type: _____
Wind Blown Dust inside Protective Casing:	Yes	<input checked="" type="radio"/> No	NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-4 Date: 5/20/22

Inspectors Name (Print): RON BLINSTON

Inspector's Company: Frontier Technical Associates, Inc.

Address: 8675 Main Street, Williamsville, New York 14221

Well Locked: Yes ☒ No ☐ NA ☐

Lock Functioning: Yes ☐ No ☒ NA ☐

Bailer and Rope OK: Yes ☒ No ☐ NA ☐

Tubing OK: Yes ☒ No ☐ NA ☐

Protective Casing OK: Yes ☐ No ☐ NA ☒

Concrete Pad in Good Condition: Yes ☒ No ☐ NA ☐

Heaving of Well or Casing: Yes ☐ No ☒ NA ☐

Well Sand in Purge Water: Yes ☐ No ☒ NA ☐

Well Constricted: Yes ☐ No ☒ NA ☐

Debris in Well: Yes ☐ No ☒ NA ☐

Insects in Well: Yes ☐ No ☒ NA ☐ Type: _____

Wind Blown Dust inside Protective Casing: Yes ☐ No ☒ NA ☐

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-5

Date: 5/20/22

Inspectors Name (Print): RON BLINSTON

Inspector's Company: Frontier Technical Associates, Inc.

Address: 8675 Main Street, Williamsville, New York 14221

Well Locked: Yes ☒ No ☐ NA ☐

Lock Functioning: Yes ☐ No ☒ NA ☐

Bailer and Rope OK: Yes ☒ No ☐ NA ☐

Tubing OK: Yes ☒ No ☐ NA ☐

Protective Casing OK: Yes ☐ No ☐ NA ☒

Concrete Pad in Good Condition: Yes ☒ No ☐ NA ☐

Heaving of Well or Casing: Yes ☐ No ☒ NA ☐

Well Sand in Purge Water: Yes ☐ No ☒ NA ☐

Well Constricted: Yes ☐ No ☒ NA ☐

Debris in Well: Yes ☐ No ☒ NA ☐

Insects in Well: Yes ☐ No ☒ NA ☐ Type: _____

Wind Blown Dust inside Protective Casing: Yes ☐ No ☒ NA ☐

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-6

Date: 5/20/22

Inspectors Name (Print): Red BLINSTON

Inspector's Company: Frontier Technical Associates, Inc.

Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:

Yes ☒ No ☐ NA ☐

Lock Functioning:

Yes ☐ No ☐ NA ☒

Bailer and Rope OK:

☒ Yes ☐ No ☐ NA

Tubing OK:

☒ Yes ☐ No ☐ NA

Protective Casing OK:

Yes ☐ No ☐ NA ☒

Concrete Pad in Good Condition:

☒ Yes ☐ No ☐ NA

Heaving of Well or Casing:

Yes ☐ No ☒ NA ☐

Well Sand in Purge Water:

Yes ☐ No ☒ NA ☐

Well Constricted:

Yes ☐ No ☒ NA ☐

Debris in Well:

Yes ☐ No ☒ NA ☐

Insects in Well:

Yes ☐ No ☒ NA ☐ Type: _____

Wind Blown Dust inside Protective Casing:

Yes ☐ No ☒ NA ☐

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-7

Date: 5/20/22

Inspectors Name (Print): Ron Brunston

Inspector's Company: Frontier Technical Associates, Inc.

Address: 8675 Main Street, Williamsville, New York 14221

Well Locked: Yes ☒ No ☐ NA

Lock Functioning: Yes ☒ No ☐ NA

Bailer and Rope OK: ☒ Yes ☐ No ☐ NA

Tubing OK: ☒ Yes ☐ No ☐ NA

Protective Casing OK: Yes ☐ No ☒ NA

Concrete Pad in Good Condition: ☒ Yes ☐ No ☐ NA

Heaving of Well or Casing: Yes ☒ No ☐ NA

Well Sand in Purge Water: Yes ☒ No ☐ NA

Well Constricted: Yes ☒ No ☐ NA

Debris in Well: Yes ☒ No ☐ NA

Insects in Well: Yes ☒ No ☐ NA Type: _____

Wind Blown Dust inside Protective Casing: Yes ☒ No ☐ NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



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May 25, 2022

Dave Harty
Frontier Technical Associates
8675 Main Street
Williamsville, NY 14221
TEL: (716) 634-2293

Work Order No: 220524026

RE: Plant M-GW
GW ET-979

Dear Dave Harty:

Adirondack Environmental Services, Inc received 8 samples on 5/24/2022 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Tara Daniels
Laboratory Director

ELAP#: 10709

Adirondack Environmental Services, Inc

CASE NARRATIVE

Frontier Technical Associates

Date: 25-May-22

Plant M-GW

Lab WorkOrder: 220524026

GW ET-979

Sample containers were supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:	ND : Not Detected at reporting limit	C: CCV below acceptable Limits
	J: Analyte detected below quantitation limit	C+: CCV above acceptable Limits
	B: Analyte detected in Blank	S: LCS Spike recovery is below acceptable limits
	X : Exceeds maximum contamination limit	S+: LCS Spike recovery is above acceptable limits
	H: Hold time exceeded	Z: Duplication outside acceptable limits
	N: Matrix Spike below acceptable limits	T : Tentatively Identified Compound-Estimated
	N+: Matrix Spike is above acceptable limits	E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-1B0520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-001
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	5/24/2022 5:18:00 PM
Bromomethane	ND	10		µg/L	1	5/24/2022 5:18:00 PM
Vinyl chloride	ND	10		µg/L	1	5/24/2022 5:18:00 PM
Chloroethane	ND	10		µg/L	1	5/24/2022 5:18:00 PM
Methylene chloride	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Acetone	ND	10		µg/L	1	5/24/2022 5:18:00 PM
Carbon disulfide	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Chloroform	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
2-Butanone	ND	10		µg/L	1	5/24/2022 5:18:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Trichloroethene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Benzene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Bromoform	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	5/24/2022 5:18:00 PM
2-Hexanone	ND	10		µg/L	1	5/24/2022 5:18:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Toluene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Chlorobenzene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Ethylbenzene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Styrene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
m,p-Xylene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
o-Xylene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	5/24/2022 5:18:00 PM
Methyl Acetate	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-1B0520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-001
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	5/24/2022 5:18:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/24/2022 5:18:00 PM
Surr: 1,2-Dichloroethane-d4	106	74-127		%REC	1	5/24/2022 5:18:00 PM
Surr: 4-Bromofluorobenzene	106	74-128		%REC	1	5/24/2022 5:18:00 PM
Surr: Toluene-d8	94.0	75-127		%REC	1	5/24/2022 5:18:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2A0520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-002
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	5/24/2022 5:40:00 PM
Bromomethane	ND	10		µg/L	1	5/24/2022 5:40:00 PM
Vinyl chloride	ND	10		µg/L	1	5/24/2022 5:40:00 PM
Chloroethane	ND	10		µg/L	1	5/24/2022 5:40:00 PM
Methylene chloride	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Acetone	ND	10		µg/L	1	5/24/2022 5:40:00 PM
Carbon disulfide	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Chloroform	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
2-Butanone	ND	10		µg/L	1	5/24/2022 5:40:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Trichloroethene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Benzene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Bromoform	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	5/24/2022 5:40:00 PM
2-Hexanone	ND	10		µg/L	1	5/24/2022 5:40:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Toluene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Chlorobenzene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Ethylbenzene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Styrene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
m,p-Xylene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
o-Xylene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	5/24/2022 5:40:00 PM
Methyl Acetate	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2A0520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-002
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	5/24/2022 5:40:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/24/2022 5:40:00 PM
Surr: 1,2-Dichloroethane-d4	110	74-127		%REC	1	5/24/2022 5:40:00 PM
Surr: 4-Bromofluorobenzene	102	74-128		%REC	1	5/24/2022 5:40:00 PM
Surr: Toluene-d8	96.8	75-127		%REC	1	5/24/2022 5:40:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2B0520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-003
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	20		µg/L	2	5/24/2022 7:54:00 PM
Bromomethane	ND	20		µg/L	2	5/24/2022 7:54:00 PM
Vinyl chloride	61	20		µg/L	2	5/24/2022 7:54:00 PM
Chloroethane	ND	20		µg/L	2	5/24/2022 7:54:00 PM
Methylene chloride	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Acetone	ND	20		µg/L	2	5/24/2022 7:54:00 PM
Carbon disulfide	ND	10		µg/L	2	5/24/2022 7:54:00 PM
1,1-Dichloroethene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
1,1-Dichloroethane	210	10		µg/L	2	5/24/2022 7:54:00 PM
trans-1,2-Dichloroethene	15	10		µg/L	2	5/24/2022 7:54:00 PM
cis-1,2-Dichloroethene	59	10		µg/L	2	5/24/2022 7:54:00 PM
Chloroform	ND	10		µg/L	2	5/24/2022 7:54:00 PM
1,2-Dichloroethane	ND	10		µg/L	2	5/24/2022 7:54:00 PM
2-Butanone	ND	20		µg/L	2	5/24/2022 7:54:00 PM
1,1,1-Trichloroethane	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Carbon tetrachloride	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Bromodichloromethane	ND	10		µg/L	2	5/24/2022 7:54:00 PM
1,2-Dichloropropane	ND	10		µg/L	2	5/24/2022 7:54:00 PM
cis-1,3-Dichloropropene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Trichloroethene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Dibromochloromethane	ND	10		µg/L	2	5/24/2022 7:54:00 PM
1,1,2-Trichloroethane	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Benzene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
trans-1,3-Dichloropropene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Bromoform	ND	10		µg/L	2	5/24/2022 7:54:00 PM
4-Methyl-2-pentanone	ND	20		µg/L	2	5/24/2022 7:54:00 PM
2-Hexanone	ND	20		µg/L	2	5/24/2022 7:54:00 PM
Tetrachloroethene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Toluene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Chlorobenzene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Ethylbenzene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Styrene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
m,p-Xylene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
o-Xylene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Methyl tert-butyl ether	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Dichlorodifluoromethane	ND	20		µg/L	2	5/24/2022 7:54:00 PM
Methyl Acetate	ND	10		µg/L	2	5/24/2022 7:54:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	23	10		µg/L	2	5/24/2022 7:54:00 PM
Trichlorofluoromethane	ND	10		µg/L	2	5/24/2022 7:54:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2B0520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-003
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Methyl Cyclohexane	ND	10		µg/L	2	5/24/2022 7:54:00 PM
1,2-Dibromoethane	ND	10		µg/L	2	5/24/2022 7:54:00 PM
1,3-Dichlorobenzene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Isopropylbenzene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
1,2-Dichlorobenzene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
1,4-Dichlorobenzene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	2	5/24/2022 7:54:00 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	2	5/24/2022 7:54:00 PM
Surr: 1,2-Dichloroethane-d4	104	74-127		%REC	2	5/24/2022 7:54:00 PM
Surr: 4-Bromofluorobenzene	104	74-128		%REC	2	5/24/2022 7:54:00 PM
Surr: Toluene-d8	93.8	75-127		%REC	2	5/24/2022 7:54:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-30520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-004
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	5/24/2022 6:02:00 PM
Bromomethane	ND	10		µg/L	1	5/24/2022 6:02:00 PM
Vinyl chloride	ND	10		µg/L	1	5/24/2022 6:02:00 PM
Chloroethane	ND	10		µg/L	1	5/24/2022 6:02:00 PM
Methylene chloride	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Acetone	ND	10		µg/L	1	5/24/2022 6:02:00 PM
Carbon disulfide	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Chloroform	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
2-Butanone	ND	10		µg/L	1	5/24/2022 6:02:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Trichloroethene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Benzene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Bromoform	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	5/24/2022 6:02:00 PM
2-Hexanone	ND	10		µg/L	1	5/24/2022 6:02:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Toluene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Chlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Ethylbenzene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Styrene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
m,p-Xylene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
o-Xylene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	5/24/2022 6:02:00 PM
Methyl Acetate	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-30520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-004
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	5/24/2022 6:02:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:02:00 PM
Surr: 1,2-Dichloroethane-d4	108	74-127		%REC	1	5/24/2022 6:02:00 PM
Surr: 4-Bromofluorobenzene	97.1	74-128		%REC	1	5/24/2022 6:02:00 PM
Surr: Toluene-d8	93.4	75-127		%REC	1	5/24/2022 6:02:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-40520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-005
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	5/24/2022 6:23:00 PM
Bromomethane	ND	10		µg/L	1	5/24/2022 6:23:00 PM
Vinyl chloride	ND	10		µg/L	1	5/24/2022 6:23:00 PM
Chloroethane	ND	10		µg/L	1	5/24/2022 6:23:00 PM
Methylene chloride	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Acetone	ND	10		µg/L	1	5/24/2022 6:23:00 PM
Carbon disulfide	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Chloroform	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
2-Butanone	ND	10		µg/L	1	5/24/2022 6:23:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Trichloroethene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Benzene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Bromoform	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	5/24/2022 6:23:00 PM
2-Hexanone	ND	10		µg/L	1	5/24/2022 6:23:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Toluene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Chlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Ethylbenzene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Styrene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
m,p-Xylene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
o-Xylene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	5/24/2022 6:23:00 PM
Methyl Acetate	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-40520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-005
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	5/24/2022 6:23:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:23:00 PM
Surr: 1,2-Dichloroethane-d4	106	74-127		%REC	1	5/24/2022 6:23:00 PM
Surr: 4-Bromofluorobenzene	103	74-128		%REC	1	5/24/2022 6:23:00 PM
Surr: Toluene-d8	95.8	75-127		%REC	1	5/24/2022 6:23:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-50520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-006
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	5/24/2022 6:45:00 PM
Bromomethane	ND	10		µg/L	1	5/24/2022 6:45:00 PM
Vinyl chloride	ND	10		µg/L	1	5/24/2022 6:45:00 PM
Chloroethane	ND	10		µg/L	1	5/24/2022 6:45:00 PM
Methylene chloride	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Acetone	ND	10		µg/L	1	5/24/2022 6:45:00 PM
Carbon disulfide	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Chloroform	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
2-Butanone	ND	10		µg/L	1	5/24/2022 6:45:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Trichloroethene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Benzene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Bromoform	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	5/24/2022 6:45:00 PM
2-Hexanone	ND	10		µg/L	1	5/24/2022 6:45:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Toluene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Chlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Ethylbenzene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Styrene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
m,p-Xylene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
o-Xylene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	5/24/2022 6:45:00 PM
Methyl Acetate	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-50520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-006
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	5/24/2022 6:45:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/24/2022 6:45:00 PM
Surr: 1,2-Dichloroethane-d4	104	74-127		%REC	1	5/24/2022 6:45:00 PM
Surr: 4-Bromofluorobenzene	102	74-128		%REC	1	5/24/2022 6:45:00 PM
Surr: Toluene-d8	93.5	75-127		%REC	1	5/24/2022 6:45:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-60520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-007
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	5/24/2022 7:07:00 PM
Bromomethane	ND	10		µg/L	1	5/24/2022 7:07:00 PM
Vinyl chloride	ND	10		µg/L	1	5/24/2022 7:07:00 PM
Chloroethane	ND	10		µg/L	1	5/24/2022 7:07:00 PM
Methylene chloride	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Acetone	ND	10		µg/L	1	5/24/2022 7:07:00 PM
Carbon disulfide	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Chloroform	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
2-Butanone	ND	10		µg/L	1	5/24/2022 7:07:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Trichloroethene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Benzene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Bromoform	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	5/24/2022 7:07:00 PM
2-Hexanone	ND	10		µg/L	1	5/24/2022 7:07:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Toluene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Chlorobenzene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Ethylbenzene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Styrene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
m,p-Xylene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
o-Xylene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	5/24/2022 7:07:00 PM
Methyl Acetate	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-60520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-007
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	5/24/2022 7:07:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/24/2022 7:07:00 PM
Surr: 1,2-Dichloroethane-d4	104	74-127		%REC	1	5/24/2022 7:07:00 PM
Surr: 4-Bromofluorobenzene	101	74-128		%REC	1	5/24/2022 7:07:00 PM
Surr: Toluene-d8	95.8	75-127		%REC	1	5/24/2022 7:07:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-70520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-008
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	5/24/2022 7:29:00 PM
Bromomethane	ND	10		µg/L	1	5/24/2022 7:29:00 PM
Vinyl chloride	ND	10		µg/L	1	5/24/2022 7:29:00 PM
Chloroethane	ND	10		µg/L	1	5/24/2022 7:29:00 PM
Methylene chloride	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Acetone	ND	10		µg/L	1	5/24/2022 7:29:00 PM
Carbon disulfide	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Chloroform	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
2-Butanone	ND	10		µg/L	1	5/24/2022 7:29:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Trichloroethene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Benzene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Bromoform	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	5/24/2022 7:29:00 PM
2-Hexanone	ND	10		µg/L	1	5/24/2022 7:29:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Toluene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Chlorobenzene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Ethylbenzene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Styrene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
m,p-Xylene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
o-Xylene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	5/24/2022 7:29:00 PM
Methyl Acetate	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM

Adirondack Environmental Services, Inc

Date: 25-May-22

CLIENT: Frontier Technical Associates
Work Order: 220524026
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-70520
Collection Date: 5/20/2022
Lab Sample ID: 220524026-008
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	5/24/2022 7:29:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/24/2022 7:29:00 PM
Surr: 1,2-Dichloroethane-d4	98.6	74-127		%REC	1	5/24/2022 7:29:00 PM
Surr: 4-Bromofluorobenzene	100	74-128		%REC	1	5/24/2022 7:29:00 PM
Surr: Toluene-d8	93.6	75-127		%REC	1	5/24/2022 7:29:00 PM




CHAIN OF CUSTODY RECORD

AES Work Order#:


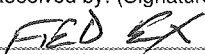
2205240 26

COC Reference:

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Frontier Technical Associates, Inc.		Address: 8675 Main Street, Williamsville, NY 14221	
Send Report to: Kathy Wager		Project Name (Location): PLANT-M GW.	Samplers Name: Ron Birnson
Client Phone #: 716-634-2293		Client PO #:	Samplers Signature: 
Client Email: kathy.wager@frontiertechanical.com			

[illegible]

Shipment Arrived Via: FedEx UPS Client AES Other: _____		Special Instructions/Remarks: STD REPORT + EQUIS	
Turnaround Time Requested: 1 Day 2 Day 3 Day 5 Day <u>Standard</u>			
NOTE: Samples received after 3:30pm are considered next business day.			
Relinquished by: (Signature) 		Received by: (Signature) 	
Relinquished by: (Signature)		Received by: (Signature)	
Relinquished by: (Signature)		Received for Laboratory by:	
Sample Temperature Ambient ~ <u>Chilled</u> ~ Chilling Begun		Properly Preserved: <u>Y</u> / N	
Notes: 3°C		0=None 1=H ₂ SO ₄ pH<2 2=HNO ₃ pH<2 3=HCl pH<2 4=Na ₂ S ₂ O ₃ 5=NH ₄ Cl 6=Ascorbic Acid 7=FAS 8=ZnAc/NaOH pH>9 9=NaOH pH>10 10=Other _____	
Custody Seal Intact: Y / N		Received Within Holding Times: <u>Y</u> / N	
Bottles AES: <u>Y</u> / N		Notes:	



220524026



Experience is the solution

314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.**'s performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
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Environmental Monitoring and Consulting

**GROUNDWATER MONITORING REPORT
FOR
MOOG SITE
ELMA, NEW YORK
THIRD QUARTER 2022**

ET-979-22-03

September 13, 2022

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TABLE OF CONTENTS

ITEM	Page No.
INTRODUCTION	1
Purpose	1
MONITORING SYSTEM	1
MONITORING METHODS	1
Sampling Procedures	1
Quality Assurance and Quality Control	2
MONITORING RESULTS	2
Water Quality Data	2
Sample Holding Times	2
Laboratory Method Blank Analysis	2
Data Usability	3
GROUNDWATER FLOW	3
EVALUATION OF MONITORING RESULTS	3

**GROUNDWATER MONITORING REPORT
FOR
MOOG SITE
ELMA, NEW YORK
THIRD QUARTER 2022**

INTRODUCTION

Purpose

The purpose of this report is to document the groundwater conditions in eight wells at Moog, Inc. in support of a delisting of the site with NYSDEC. The wells are to be monitored quarterly and the results of the sampling and analysis are to be reported to Moog. Frontier Technical Associates, Inc. (FTA) has been contracted to provide monitoring and sampling. This report is to document the monitoring and analysis for the Third Quarter of 2022.

MONITORING SYSTEM

The groundwater monitoring system consists of eight wells. The wells are located as shown on Figure 1 and are designated as follows:

MW-1B	MW-2A	MW-2B	MW-3
MW-4	MW-5	MW-6	MW-7

The historical and current groundwater elevations are presented on Table 1.

MONITORING METHODS

Groundwater samples were obtained from the eight wells. The samples were collected by Frontier Technical Associates, Inc. (FTA) under contract to Moog, Inc. The samples were analyzed by AES, Inc. under subcontract to Frontier Technical Associates.

Sampling Procedures

The wells were sampled in accordance with the standard procedures specified by Moog, Inc. Prior to purging and sampling, the groundwater surface level was obtained. The wells were then purged to remove a minimum of three well volumes of standing water or until dry. All the wells were purged using dedicated polyethylene tubing connected to a peristaltic pump. The quantity of groundwater purged was measured.

The samples were collected with dedicated bailers. Samples for laboratory analysis were collected in pre-labeled glass vials as appropriate for the analysis. The samples were cooled to < 6° C for shipment to the laboratory. The samples were transported to AES under proper chain-of-custody.

Field measurements for pH, specific conductance, temperature and turbidity were made immediately upon sample collection. Meters were calibrated prior to use. The results of the field measurements are presented on Table 2. The field data collection forms are presented in the Appendix to document the work at this site.

Quality Assurance and Quality Control

Frontier Technical Associates, Inc. implemented the following quality assurance and quality control measures during this monitoring event to help ensure the quality and reliability of the data obtained:

- Laboratory surrogate recoveries were checked. Laboratory QA/QC is presented in the complete laboratory report in the Appendix.

MONITORING RESULTS

Water Quality Data

The groundwater monitoring results for this quarter are summarized on Table 3. Table 3 also includes any laboratory data qualifiers (if any). The evaluation of the water quality data includes an evaluation of the sample holding times, method blanks, and spike data. All these QA/QC measures are used to assess data usability. In addition, the data is reviewed by a senior environmental professional (Professional Engineer) for usability. The data is evaluated against the NYSDEC groundwater standard (Class GA) to aid in the interpretation of the significance of the results.

Sample Holding Times

Sample holding times for each parameter are specified by each analytical method. All samples were analyzed within the allowable holding times.

Data Usability

Based on a review of the sampling and analytical data and the quality control/quality assurance data, the data as presented in this report is usable for the purposes stated in the scope of work.

GROUNDWATER

The groundwater pumping system has been turned off and the groundwater levels in the wells have risen and appear to have reached their equilibrium level. Figures 2 through 10 present the historical elevation plots for each of the wells. Groundwater elevations in many of the wells rise and fall together. The following observations are relevant to the evaluation of the groundwater levels.

- After the pumping was turned off, water levels in the Sump and Wells MW-2B, MW-3, MW-4, MW-6 and MW-7 increased. It appears that the operation of the sump impacts the water elevations at these locations.
- Groundwater elevations in wells MW-1B, MW-2A and MW-5 appear to be unaffected by the operation of the sump.
- Monitoring well MW-2A and MW-5 appear to be affected by seasonal variations. Late summer and early fall represent the lowest groundwater elevations.

EVALUATION OF MONITORING RESULTS

Tables 2 and 3 summarize the groundwater monitoring results for this quarter. Based on the available results, the data appears to be consistent with prior sampling events. pH measurements ranged from 6.80 to 7.85. Turbidity was less than 50 NTUs in all wells. Specific conductance ranged from 297 to 4,360 uhmos/cm.

The concentration of volatile organic compounds for this quarter are presented on Table 3. Figure 11 is a plot of the CFC 113 in well MW-2B. Figures 12, 13, 14 and 15 are plots of several potential indicator compounds with time in Well MW-2B. Contamination in the other wells on site is not present. All trends are tentative at this time and should be further evaluated as additional information becomes available.

Table 1. Groundwater Elevations at Moog

Date	Sump	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
Dec-10	94.52	95.27	92.55	94.55	94.70	93.49	94.18	94.58	95.00
Jan-11	94.24	95.43	92.55	94.87	94.32	94.29	93.60	94.32	94.26
Feb-11	88.90	94.14	90.48	90.47	89.02	88.91	91.81	88.95	88.90
Mar-11	94.10	95.29	92.11	94.10	94.12	93.92	93.68	94.04	94.03
Apr-11	94.47	94.99	92.67	94.29	94.30	94.25	93.63	94.31	94.26
May-11	94.20	94.78	92.49	94.33	94.36	94.22	94.70	94.31	94.24
Jun-11	94.16	94.92	92.98	94.46	94.26	94.02	93.98	94.25	94.13
Jul-11	93.53	94.55	91.76	93.42	93.50	93.52	91.29	93.53	93.52
Aug-11	88.90	93.45	88.77	89.13	88.88	88.89	89.12	88.92	88.88
Sep-11	88.78	93.57	88.64	89.74	88.82	88.82	89.67	88.78	88.78
Oct-11	88.83	93.75	87.99	91.12	89.02	88.94	90.04	89.00	89.01
Nov-11	88.85	93.89	90.22	90.20	88.99	89.06	90.93	88.91	88.92
Dec-11	94.22	94.45	91.68	94.06	94.22	94.08	93.43	94.24	94.18
Jan-12	88.95	94.04	90.38	91.17	89.13	88.99	92.70	88.91	88.94
Feb-12	88.93	94.09	90.85	91.52	89.16	89.07	92.37	88.95	88.96
Mar-12	88.75	94.11	90.14	91.57	89.00	88.93	92.15	88.76	88.77
Apr-12	88.58	93.73	89.03	90.10	88.94	88.92	91.20	88.97	88.92
May-12	90.88	94.03	89.66	91.36	90.95	90.99	92.00	90.99	90.93
Jun-12	88.75	93.59	88.18	89.29	88.77	88.75	90.30	88.78	88.75
Jul-12	88.82	93.38	87.50	89.04	88.74	88.76	89.01	88.79	88.75
Aug-12	88.72	93.16	88.27	89.68	88.91	89.07	89.90	88.93	88.94
Sep-12	88.76	93.27	87.66	89.17	88.88	88.94	88.67	88.95	88.91
Oct-12	88.65	92.54	87.67			87.94	88.77	87.99	87.98
Nov-12	88.91	94.07	89.53	90.66	88.95	89.02	91.40	88.91	88.89
Dec-12	91.40	93.49	90.82	88.83	91.32	91.37	90.90	91.38	89.33
Jan-13	88.90	93.66	88.90	89.75	88.87	88.78	91.57	88.83	88.81
Feb-13		94.29	90.66	93.40	93.63	93.66	91.98	93.75	93.67
Mar-13	94.13	94.66	91.29	94.57	94.03	94.14	92.99	94.15	94.08
Apr-13	94.21	94.79	91.40	94.54	94.11	94.25	92.97	94.23	94.16
May-13	94.06	94.38	91.22	94.47	93.94	94.10	92.39	94.10	94.04
Jun-13	94.20	94.88	91.61	94.53	94.05	94.21	92.94	94.20	94.13
Jul-13	94.62	94.62	91.14	94.17	94.01	94.20	91.90	94.21	94.15
Aug-13	93.74	94.54	90.63	93.42	93.58	93.75	90.64	93.75	93.65
Sep-13	92.82	94.25	92.77	89.80	92.66	92.83	89.72	92.81	92.78
Oct-13	92.36	94.23	89.27	92.54	92.23	92.39	89.56	92.38	92.31
Nov-13	94.15	94.75	90.75	94.29	94.08	94.16	92.39	94.19	94.11
Dec-13	94.35	95.06	90.70	94.77	94.27	94.37	92.72	94.37	94.31
Jan-14	94.39	95.49	91.05	94.97	94.48	94.43	93.66	94.43	94.37
Feb-14	94.34	94.44	89.88	94.32	94.13	94.38	92.15	94.35	94.27
Mar-14	94.35	95.17	91.03	94.95	94.41	94.50	93.00	94.49	94.42
Apr-14	94.42	94.90	91.13	94.98	94.38	94.43	93.95	94.44	94.40
May-14	94.27	95.38	91.02	94.65	94.20	94.29	93.27	94.30	94.23
Jun-14	94.17	95.10	90.47	94.24	93.94	94.19	91.96	94.20	94.14
Jul-14	93.90	94.60	89.86	93.82	93.68	93.92	90.82	93.92	93.84
Aug-14	94.02	94.10	90.05	94.03	93.83	94.04	91.55	94.04	93.98
Sep-14	94.10	94.39	89.25	93.99	93.85	94.11	90.56	94.10	94.02
Oct-14	94.34	94.49	89.29	94.19	94.09	94.34	90.80	94.34	94.24

Table 1. Groundwater Elevations at Moog

<u>Date</u>	<u>Sump</u>	<u>MW-1B</u>	<u>MW-2A</u>	<u>MW-2B</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>MW-6</u>	<u>MW-7</u>
Dec-14	94.39	94.96	90.92	94.90	94.35	94.41	93.05	94.42	94.36
Jan-15	94.01	94.73	90.28	94.29	93.91	94.05	92.47	94.02	93.96
Mar-15	94.44	95.20	91.13	94.99	94.43	94.45	93.90	94.48	94.43
Apr-15	94.48	94.59	91.02	94.88	94.41	94.50	94.15	94.50	93.45
May-15	94.20	94.88	90.29	94.40	93.96	94.22	92.36	94.21	94.13
Jun-15	94.18	94.96	90.57	94.40	94.03	94.26	92.49	94.29	94.21
Jul-15	94.38	95.10	90.30	94.49	94.16	94.42	92.37	94.41	94.33
Aug-15	94.26	94.94	89.55	94.42	94.01	94.28	91.33	94.28	94.20
Sep-15	93.68	94.23	89.29	93.63	93.46	93.73	90.35	93.71	93.63
Oct-15	93.93	94.92	90.58	94.07	93.68	93.92	90.75	93.96	93.86
Nov-15	94.17	94.96	89.87	94.29	93.95	94.19	91.65	94.19	94.12
Dec-15	94.15	94.88	90.12	94.44	94.01	94.18	91.70	94.20	94.13
Jan-16	94.28	95.19	90.39	94.67	94.25	94.31	92.75	94.31	94.25
Feb-16	94.37	95.32	90.81	94.93	94.41	94.40	94.12	94.41	94.35
Mar-16	94.48	92.57	90.83	94.82	94.38	94.50	94.20	94.49	94.47
Apr-16	94.44	95.30	91.11	94.83	94.40	94.46	93.93	94.47	94.42
May-16	93.79	94.92	89.52	93.80	93.54	93.81	91.17	93.81	93.73
Jun-16	94.10	93.76	89.47	94.06	93.83	94.12	91.14	94.12	94.04
Aug-16	93.63	94.37	87.95	93.40	93.36	93.65	89.10	93.65	93.55
Sep-16	93.10	94.57	88.62	93.13	92.87	93.14	89.63	93.12	93.03
Oct-16	93.97	94.63	88.72	93.93	93.73	93.97	90.73	93.99	93.91
Nov-16	93.85	94.81	89.49	94.05	93.67	93.89	91.36	93.87	93.80
Dec-16	94.34	94.83	90.25	94.73	94.21	94.37	92.34	94.38	94.31
Jan-17	94.55	95.37	90.56	95.20	94.58	94.57	93.75	94.58	94.52
Feb-17	94.56	95.34	90.49	94.73	94.52	94.60	93.85	94.51	94.54
Mar-17	94.42	94.88	90.64	94.94	94.35	94.46	94.23	94.45	94.38
Mar-17	94.42	94.88	90.64	94.94	94.35	94.46	94.23	94.45	94.38
Apr-17	94.32	95.54	90.90	94.83	94.27	94.35	94.42	94.36	94.29
May-17	94.25	95.05	89.97	94.33	94.05	94.28	92.72	94.30	94.23
Jun-17	93.76	94.53	88.73	93.89	93.52	93.76	91.98	93.72	93.44
Jul-17	93.68	94.99	89.37	93.63	93.23	93.42	91.50	93.45	93.45
Aug-17	94.01	95.00	89.60	94.31	93.78	94.01	92.00	94.04	93.96
Sep-17	93.95	94.34	89.41	93.95	93.68	93.97	91.26	93.97	93.89
Oct-17	92.43	94.45	88.53	92.68	92.22	92.48	90.35	92.46	92.40
Nov-17	94.18	95.03	90.26	94.68	94.03	94.20	93.16	94.22	94.16
Dec-17	94.29	95.32	90.46	94.87	94.16	94.35	93.19	94.35	94.27
Jan-18	93.93	95.06	90.22	94.33	93.73	93.95	93.01	93.94	93.87
Feb-18	94.36	95.49	90.76	94.99	94.36	94.39	94.10	94.41	94.36
Mar-18	94.30	94.96	91.00	94.80	94.16	94.32	94.05	94.34	94.28
Apr-18	94.30	95.49	91.10	94.87	94.08	94.34	94.39	94.36	94.30
May-18	94.06	95.19	90.13	94.32	93.79	94.10	92.32	94.11	94.01
Jun-18	93.92	94.76	89.96	94.07	93.60	93.93	91.98	93.95	93.86
Jul-18	93.80	94.91	89.59	93.74	93.50	93.84	91.24	93.83	93.85
Aug-18	94.18	94.91	89.32	94.33	93.86	94.19	91.17	94.17	94.12
Sep-18	93.74	94.62	88.66	93.67	93.44	93.76	90.26	93.76	93.68
Oct-18	94.30	94.91	88.87	94.68	94.00	94.28	91.39	94.32	94.24
Nov-18	94.36	95.34	90.53	95.09	94.34	94.40	93.41	94.42	94.31

<u>Date</u>	<u>Sump</u>	<u>MW-1B</u>	<u>MW-2A</u>	<u>MW-2B</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>MW-6</u>	<u>MW-7</u>
Dec-18	95.06	93.68	90.35	94.93	94.24	94.36	94.08	94.35	94.32
Jan-19	94.35	95.12	90.47	94.93	94.38	94.39	94.23	94.41	94.35
Feb-19	94.33	95.23	90.70	94.63	94.09	94.32	93.55	94.33	94.28
Mar-19	94.15	94.79	90.09	94.47	93.89	94.19	92.93	94.21	94.12
Apr-19	94.34	95.35	90.79	94.77	94.18	94.37	93.89	94.36	94.33
May-19	94.25	95.00	90.34	94.40	93.96	94.28	92.74	94.30	94.22
Jun-19	94.08	94.00	90.09	94.29	93.78	94.12	92.51	94.14	94.06
Jul-19	94.08	94.80	89.87	94.22	93.75	94.09	92.24	94.08	94.04
Aug-19	93.72	94.74	88.78	93.83	93.38	93.76	90.61	93.75	93.67
Sep-19	94.23	92.85	89.02	94.39	93.90	94.27	91.41	94.26	94.21
Oct-19	94.46	94.63	89.22	94.90	94.13	94.49	91.71	94.48	94.53
Nov-19	94.40	94.94	90.54	94.77	94.28	94.42	93.30	94.43	94.38
Dec-19	94.35	94.55	89.92	94.73	94.36	94.36	94.10	94.38	94.31
Jan-20	94.30	94.89	90.41	94.61	94.26	94.35	94.05	94.34	94.28
Feb-20	94.31	95.55	90.42	94.58	94.32	94.35	94.13	94.37	94.28
Mar-20	94.38	95.01	90.52	94.76	94.39	94.41	94.20	94.43	94.36
Apr-20	94.36	95.07	90.71	94.72	94.38	94.38	94.24	94.40	94.34
May-20	94.25	95.10	90.62	94.46	94.07	94.27	93.55	94.28	94.23
Jun-20	93.95	94.82	89.99	94.09	93.67	94.01	92.44	93.99	93.92
Jun-20	93.94	94.85	89.57	94.04	93.62	93.97	91.76	93.97	93.85
Aug-20	94.13	94.85	88.89	93.95	93.79	94.13	91.02	94.14	94.08
Sep-20	93.50	93.87	88.29	93.59	93.20	93.55	90.40	93.53	93.46
Oct-20	94.29	94.41	87.99	94.68	93.94	94.30	91.74	94.32	94.32
Nov-20	94.05	94.73	89.44	94.62	93.79	94.11	91.94	94.09	94.03
Dec-20	94.22	94.66	90.22	94.55	93.99	94.27	93.29	94.26	94.22
Jan-21	94.34	95.16	90.52	94.69	94.18	94.38	94.12	94.38	94.32
Feb-21	94.04	94.73	89.37	94.27	93.75	94.07	92.48	94.05	93.93
Mar-21	94.35	95.07	90.72	94.75	94.21	94.36	93.25	94.40	94.33
Apr-21	94.10	94.97	90.16	94.35	93.83	94.14	92.39	94.13	94.07
May-21	93.93	94.99	89.94	94.08	93.63	93.97	92.33	93.96	93.91
Jul-21	93.93	94.87	89.50	94.04	93.61	93.98	91.51	93.98	93.91
Aug-21	93.93	94.87	89.50	94.04	93.61	93.98	91.51	93.98	93.91
Sep-21	94.40	94.71	88.65	94.49	94.05	93.97	91.36	94.43	95.48
Oct-21	94.26	94.85	89.10	94.46	93.98	94.31	92.30	94.30	94.25
Nov-21	94.30	94.92	90.35	94.74	94.09	94.35	93.43	94.35	94.54
Dec-21	94.31	93.40	89.99	94.50	94.08	94.35	93.04	94.35	94.25
Jan-22	94.25	94.96	90.20	94.70	94.01	94.30	93.50	94.30	94.23
Feb-22	94.47	95.13	90.44	94.77	94.18	94.51	93.95	94.51	94.41
Mar-22	94.35	95.05	90.28	94.75	94.13	94.39	93.65	94.41	94.34
Apr-22	94.24	95.17	90.51	94.65	93.99	94.27	93.18	94.28	94.21
May-22	94.15	95.01	90.10	94.34	93.81	94.17	92.36	94.18	94.50
Jun-22	94.04	94.50	90.18	94.19	93.71	94.10	92.26	94.10	93.94
Jul-22	93.46	94.66	89.21	93.58	93.08	93.52	91.00	93.49	93.44
Aug-22	93.85	94.70	88.28	93.90	93.44	93.90	90.38	93.88	93.78
Sep-22	94.21	94.77	89.34	94.44	93.75	94.19	90.76	94.18	94.13



TABLE 2
MOOG SITE
SUMMARY OF FIELD MEASUREMENTS
(September 7, 2022)

Location	Sample Time	pH (SU)	Turbidity (NTU)	Specific Conductance (uhmos/cm)	Temperature (F)	Sample Appearance
Method		SM4500 HB (23 rd Ed)	EPA 180.1 (Rev 2.0)	EPA 120.1 (Rev 1982)	SM2550B (23 rd Ed)	
MW-1B	11:18 am	7.61	3.84	857	64	Clear
MW-2A	11:24 am	6.80	6.42	1,570	63	Clear
MW-2B	11:30 am	6.94	7.30	4,360	69	Clear
MW-3	10:17 am	7.72	29.8	1,794	68	Slightly Turbid
MW-4	10:45 am	7.75	3.71	890	69	Clear
MW-5	10:04 am	7.03	1.10	1,856	65	Clear
MW-6	11:03 am	7.85	21.8	568	70	Slightly Turbid
MW-7	10:23 am	7.82	34.5	297	70	Slightly Turbid

All measurements made in the field by FTA (ELAP No. 10475) immediately upon sample collection.
 All meters were calibrated in accordance with FTA laboratory procedures and protocols.

TABLE 3
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Third Quarter 2022 (Concentrations in ug/l)

COMPOUND	MW-1B	MW-2A	MW-2B	MW-3	MW-4	MW-5	MW-6	MW-7
1,1,1-TRICHLOROETHANE (TCA)	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-TETRACHLOROETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0 U	5.0 U	26	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHANE (1,1-DCA)	5.0 U	5.0 U	400	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-DICHLOROETHENE (1,1-DCE)	5.0 U	5.0 U	11	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-TRICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	10 U
1,2-DIBROMOETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-DICHLOROPROPANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-DICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-DICHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-BUTANONE (MEK)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-HEXANONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYL-2-PENTANONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ACETONE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMODICHLOROMETHANE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOFORM	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
BROMOMETHANE	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CARBON TETRACHLORIDE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROBENZENE	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHLOROFORM	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROMETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

U = Not Detected, J = Estimated

TABLE 3 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

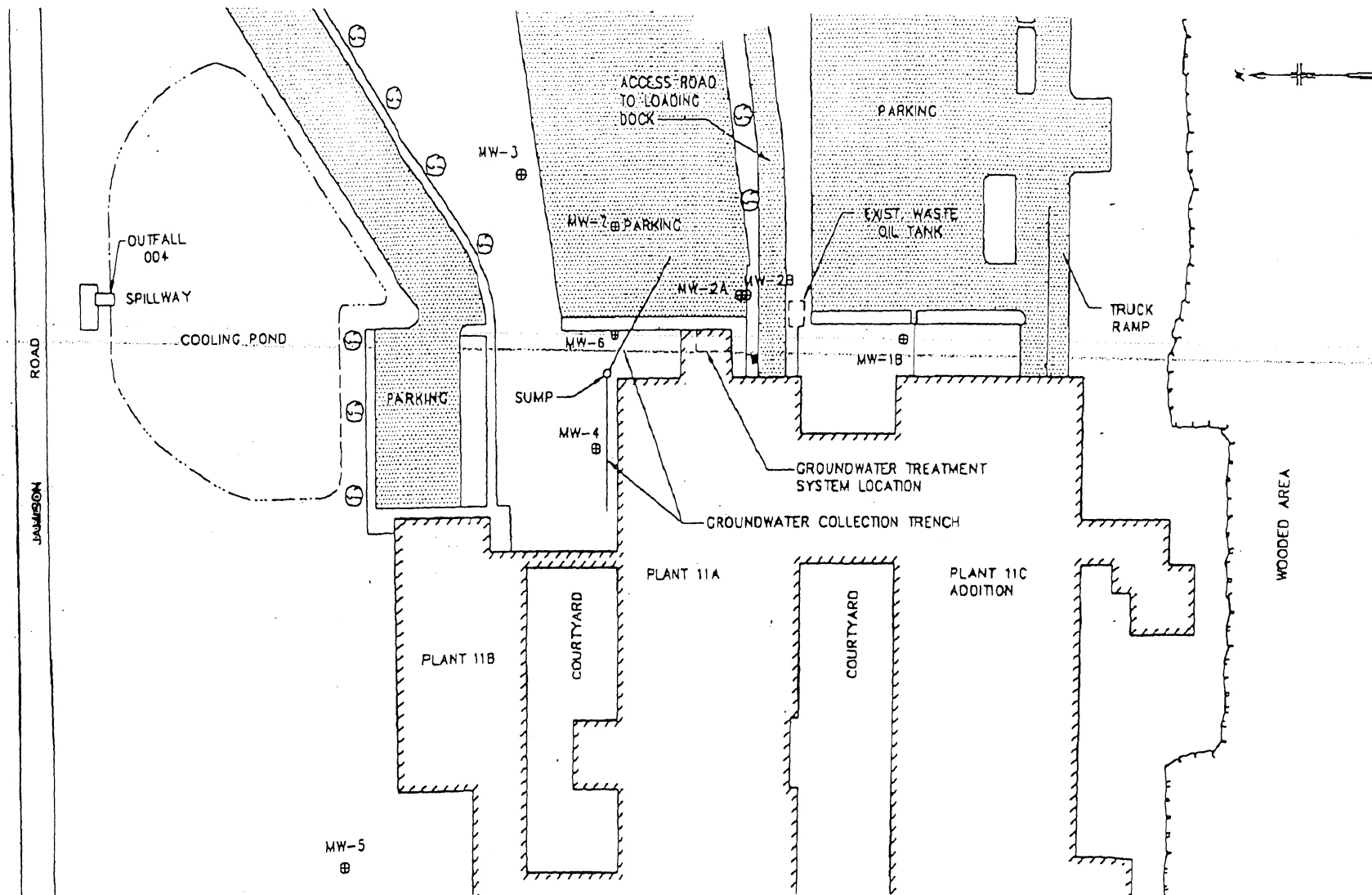
Third Quarter 2022 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DIBROMOCHLOROMETHANE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
DICHLOROMETHANE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ETHYLBENZENE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ISOPROPYLBENZENE (CUMENE)	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL ACETATE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL TERT-BUTYL ETHER	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYLCYCLOHEXANE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
STYRENE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TETRACHLOROETHENE (PCE)	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TOLUENE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROETHENE (TCE)	5.0	U	5.0	U	12		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
VINYL CHLORIDE	10	U	10	U	110		10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	5.0	U	5.0	U	140		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CIS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
M,P-XYLENES	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
O-XYLENE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,2-DICHLOROETHENE	5.0	U	5.0	U	47		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

U = Not Detected, J= Estimated, B=Found in Method Blank

FIGURE 1

10



EAST AURORA PLANT 11
GROUNDWATER REMEDIATION SYSTEM
PERFORMANCE MONITORING
MONITORING WELL LOCATIONS

MOOG, INC.

Figure 2. Groundwater Elevations in Sump

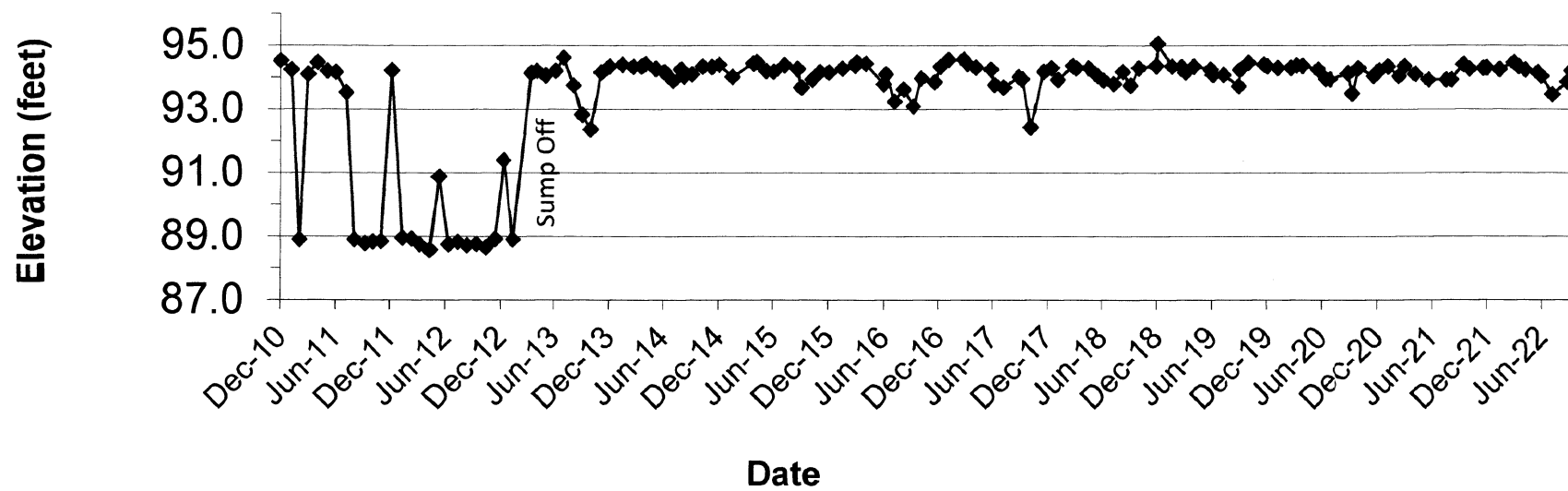


Figure 3. Groundwater Elevations MW-1B

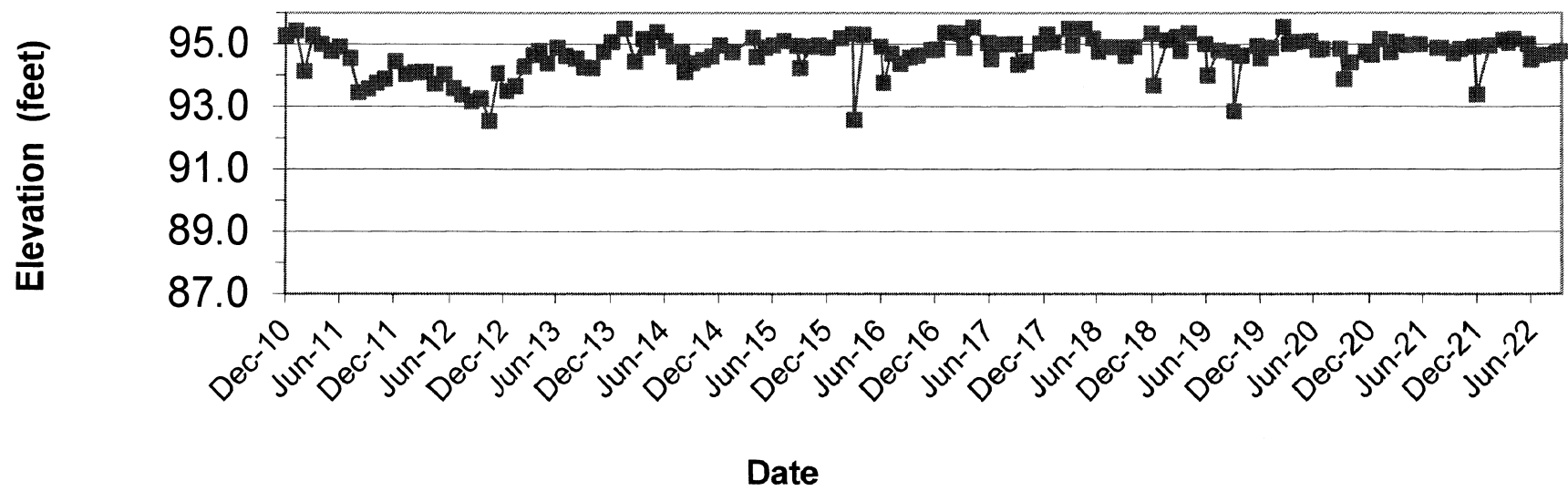


Figure 4. Groundwater Elevations MW-2A

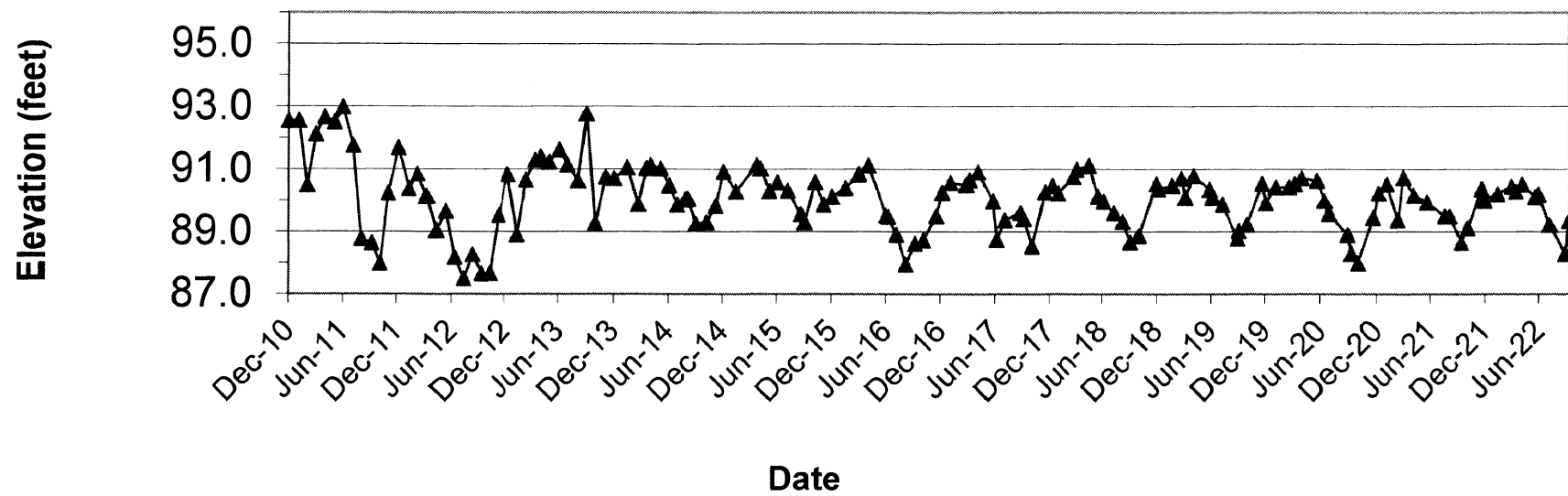


Figure 5. Groundwater Elevations MW-2B

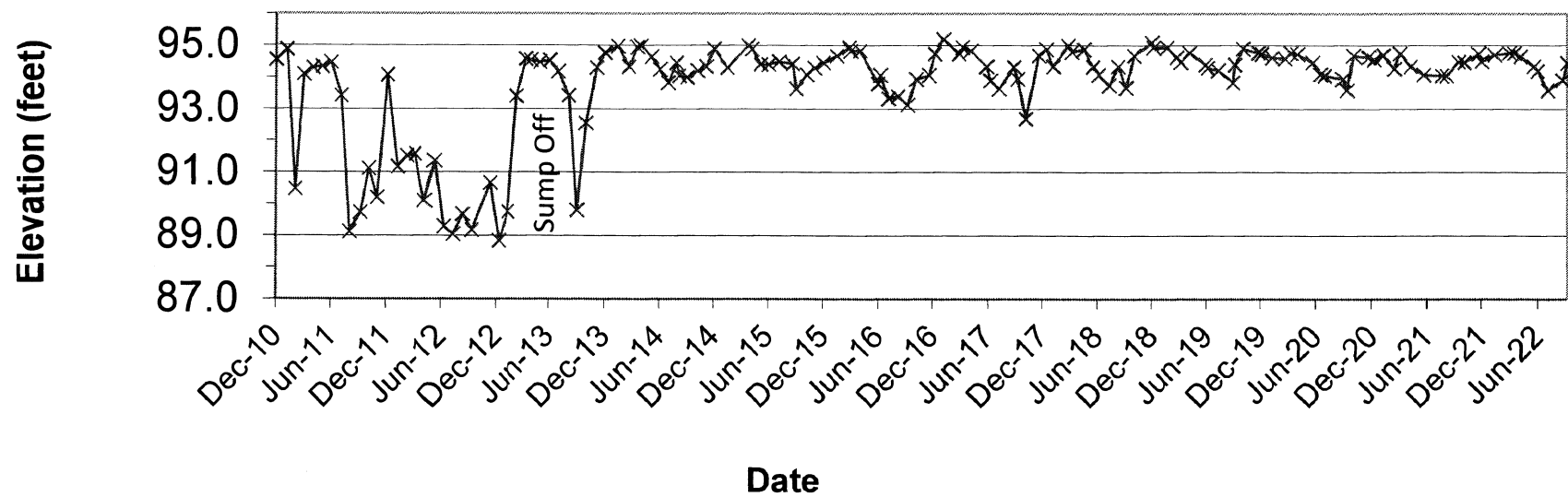


Figure 6. Groundwater Elevations MW-3

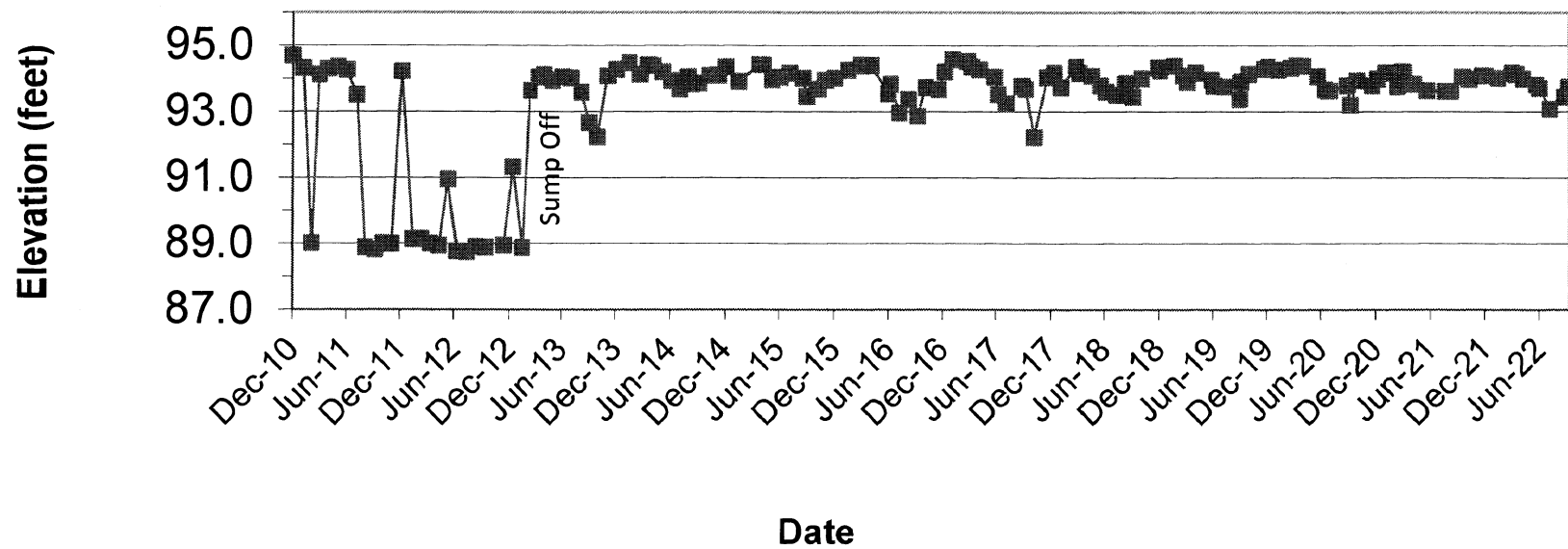


Figure 7. Groundwater Elevations MW-4

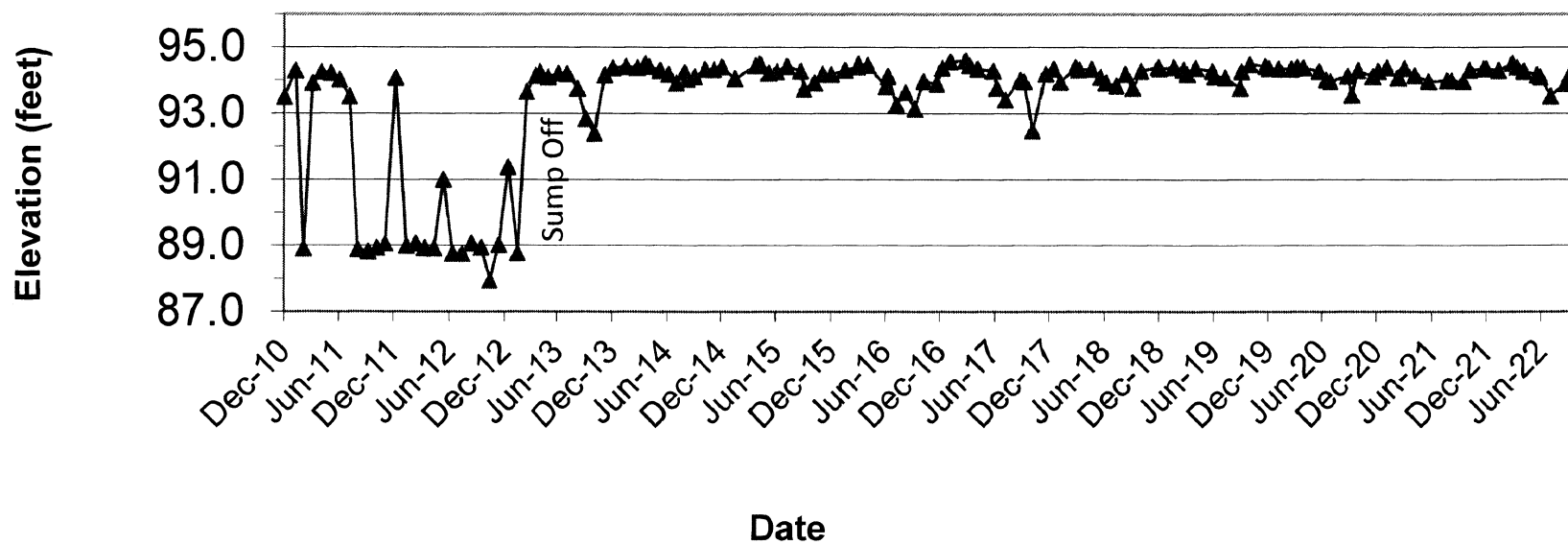


Figure 8. Groundwater Elevations MW-5

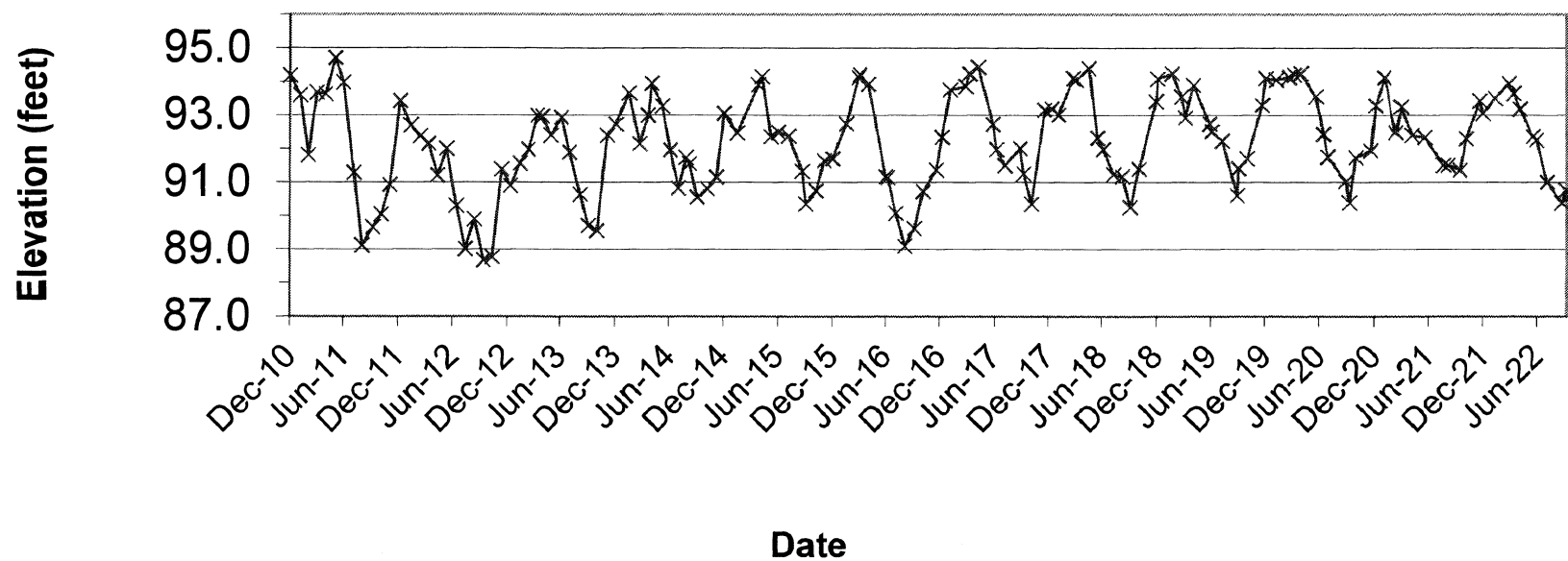


Figure 9. Groundwater Elevations MW-6

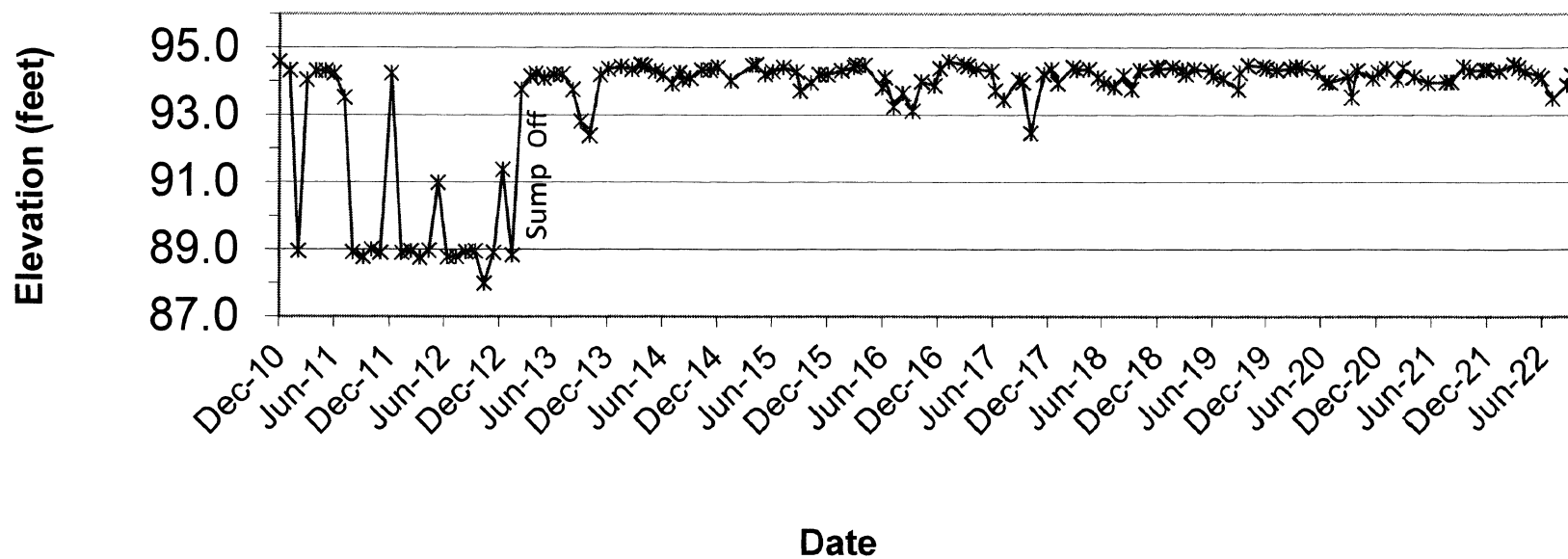
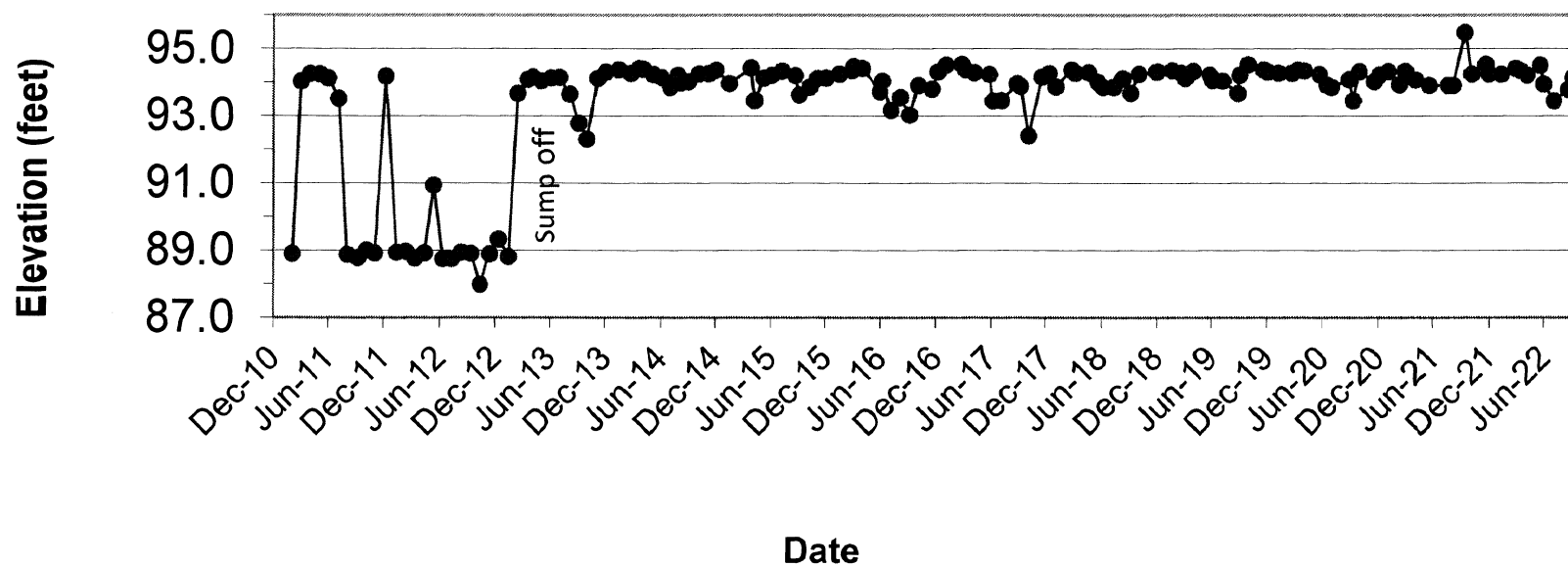
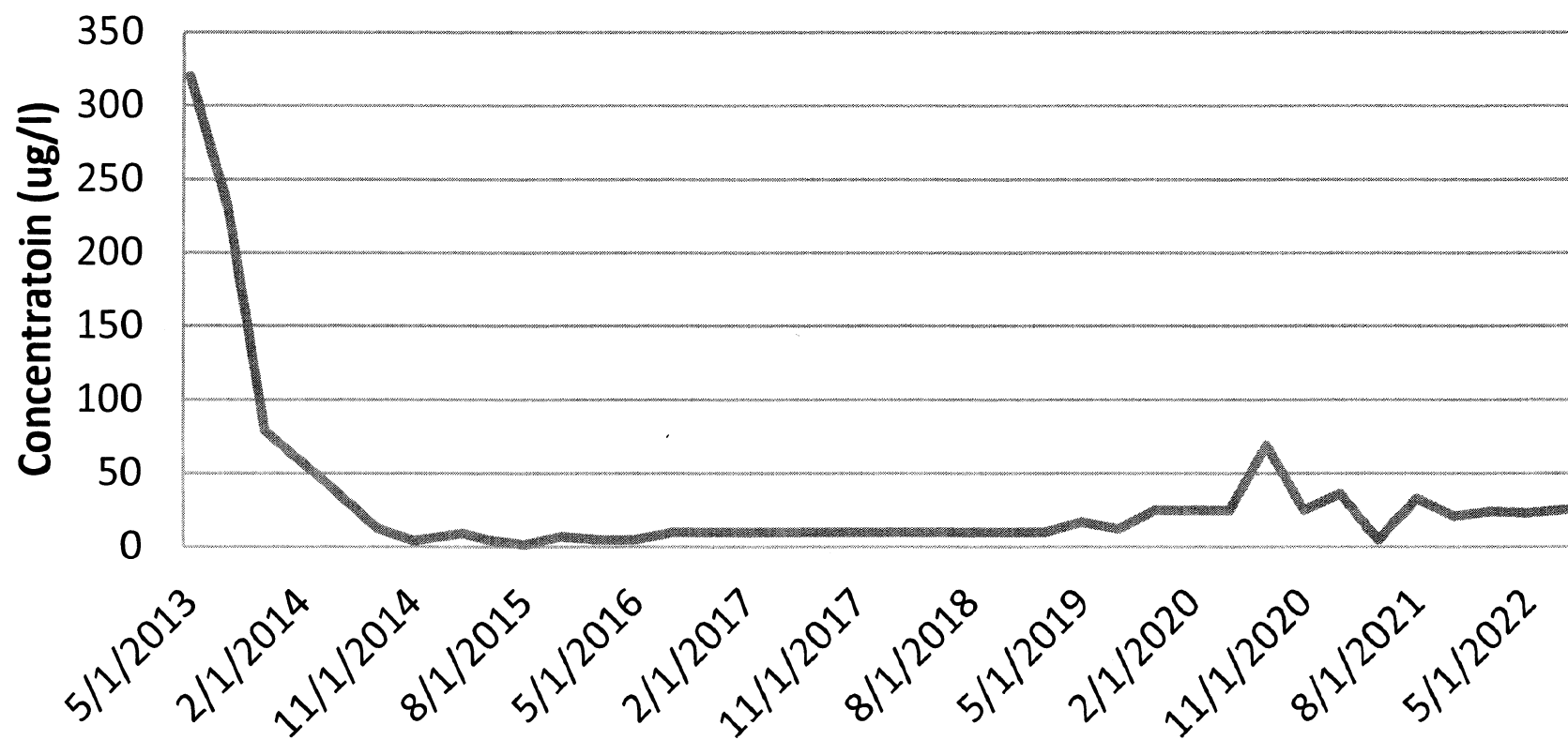


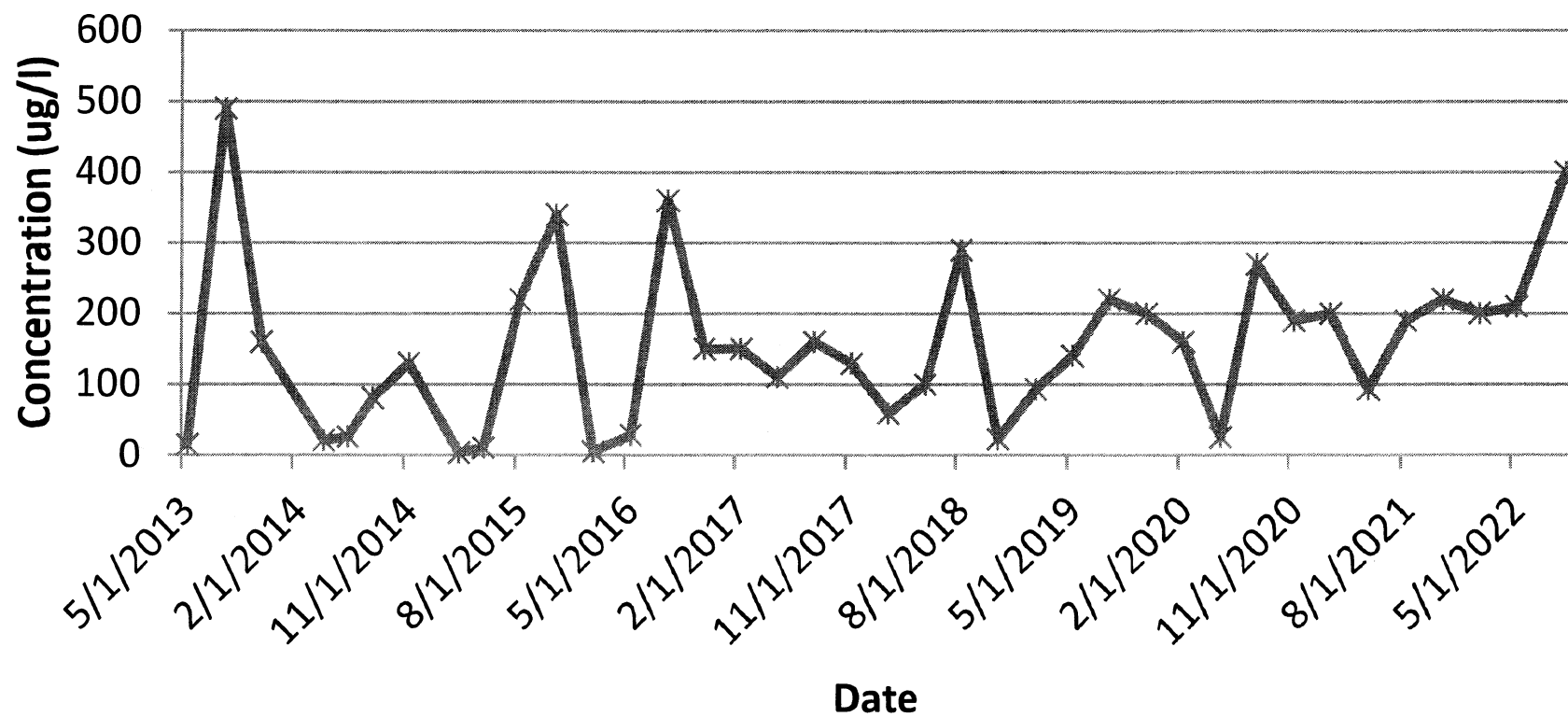
Figure 10. Groundwater Elevations MW-7



**Figure 11. Concentration of CFC 113
in Well MW-2B**



**Figure 12. Concentration of 1,1 DCA
in Well MW-2B**



**Figure 13. Concentration of TCE
in Well MW-2B**

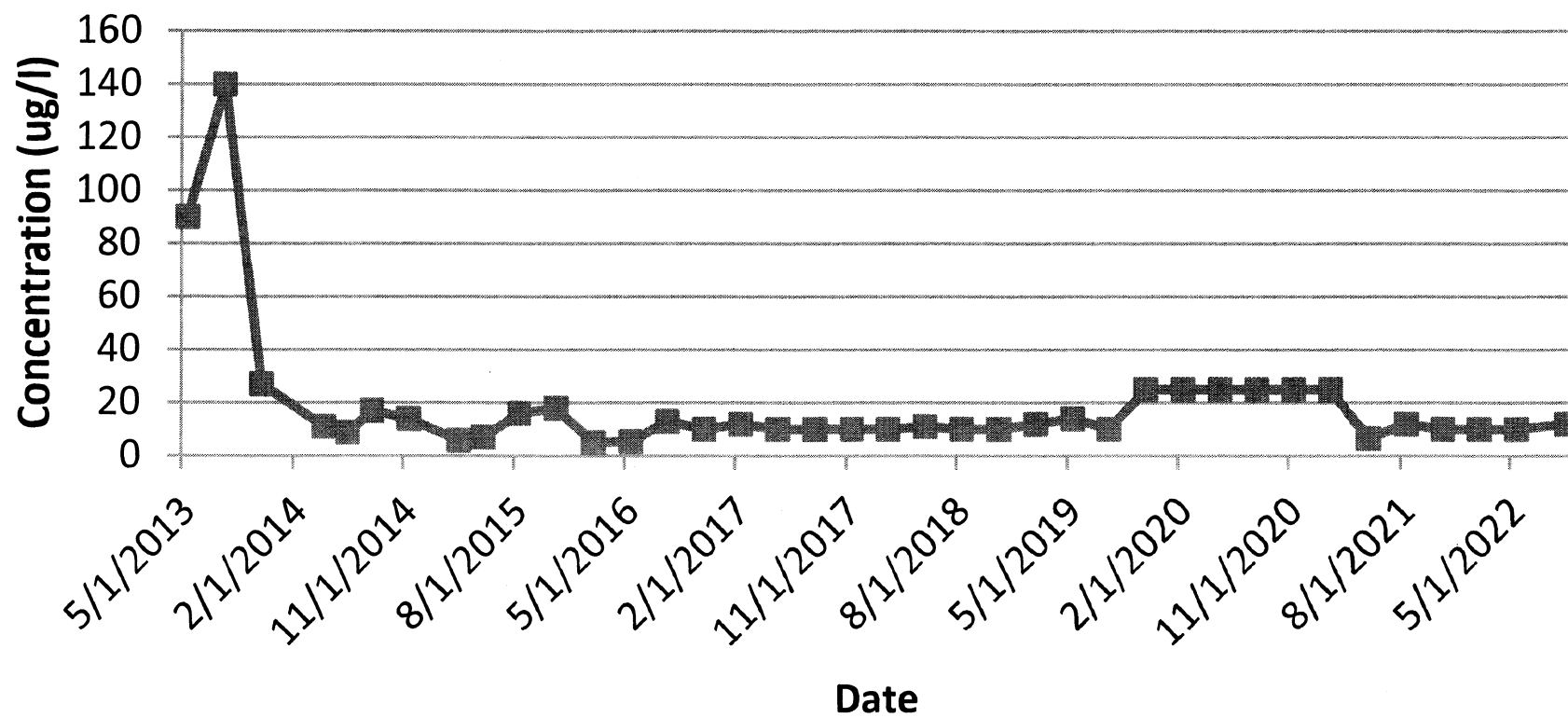
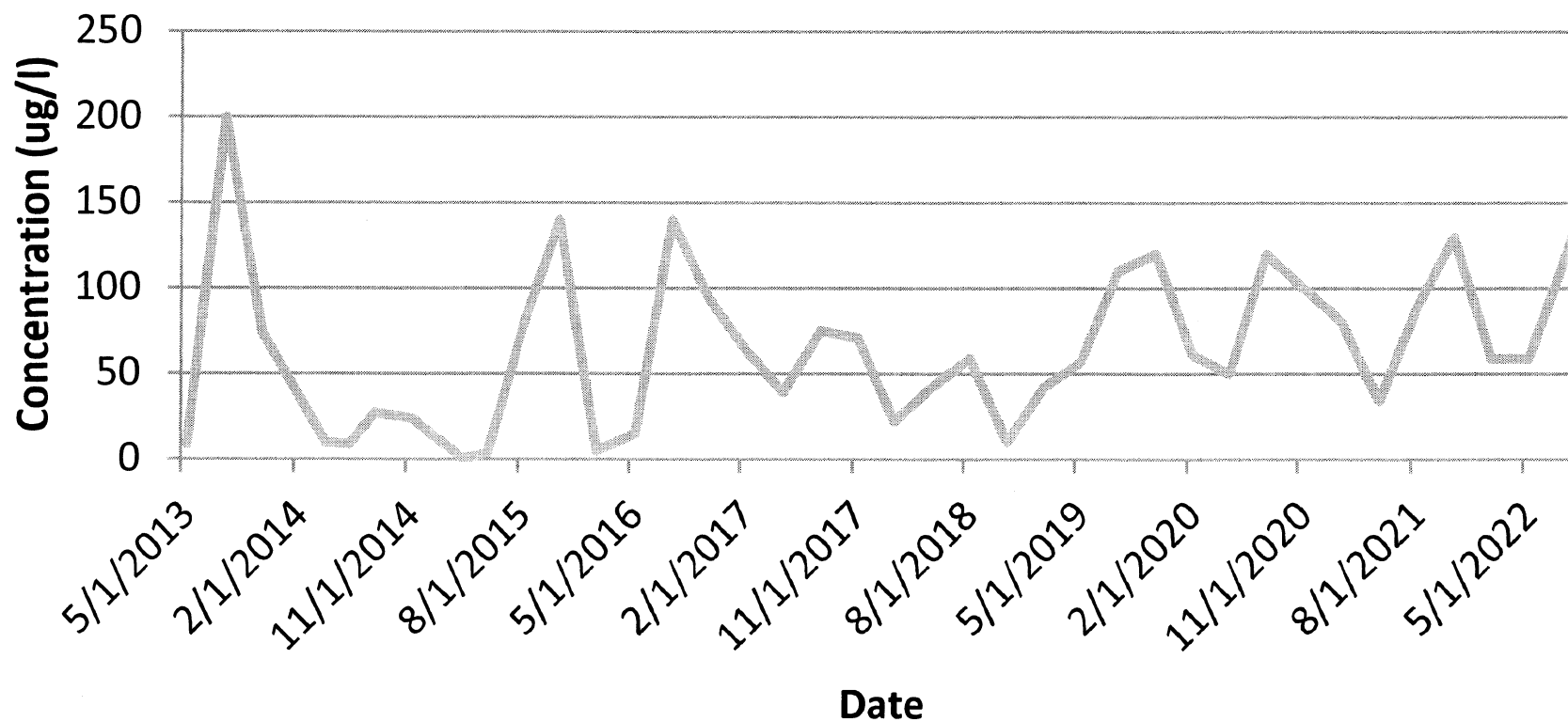
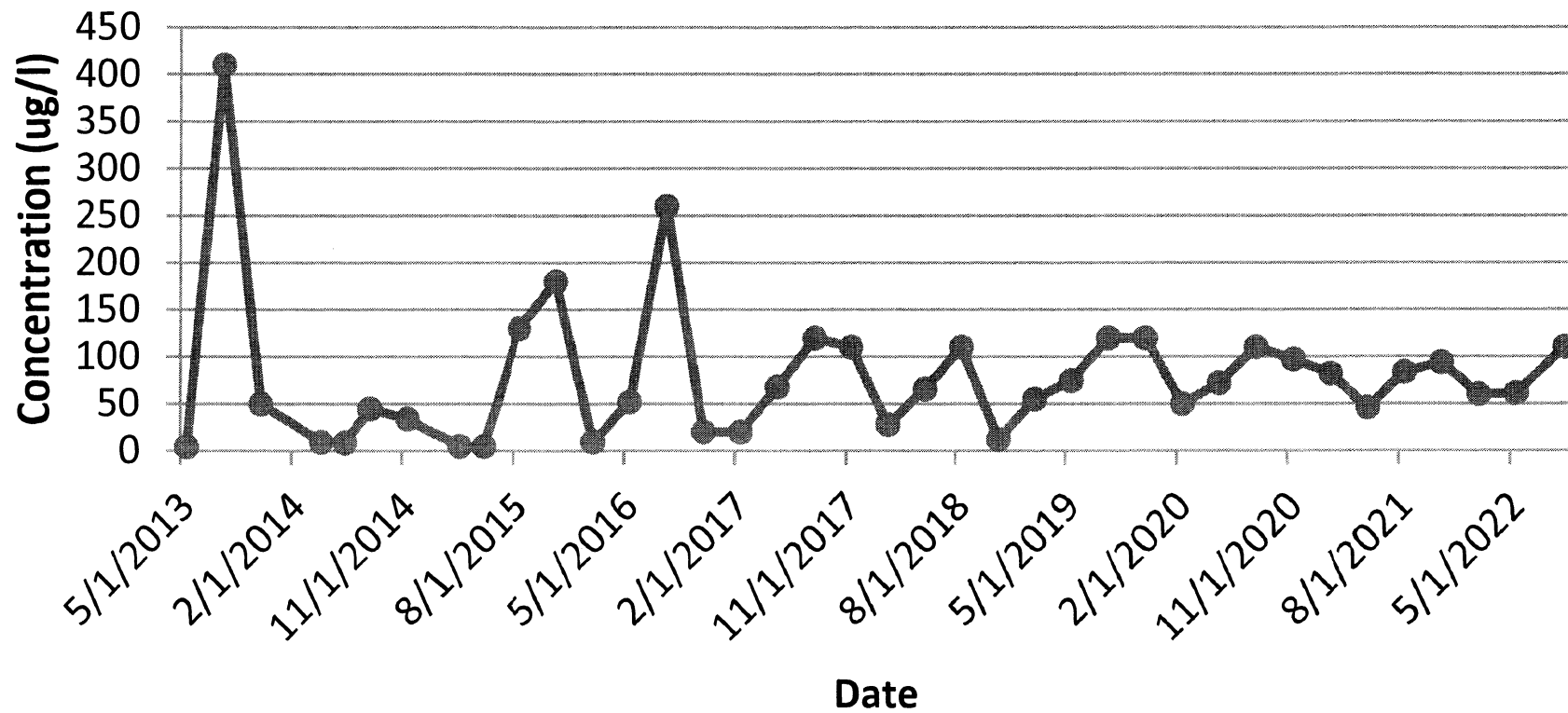


Figure 14. Concentration of Cis 1,2- Dichloroethene in Well MW-2B



**Figure 15. Concentration of Vinyl Chloride
in Well MW-2B**



APPENDIX

Field Forms
Laboratory Report

6/1/22

MOOG, INC. PLANT 11 REMEDIATION SYSTEM PERFORMANCE MONITORING SUMMARY OF GROUNDWATER ELEVATIONS			
Well Number	PVC Riser Elevation	Bottom Depth	Depth to Water
MW-1B	99.47	16.81	4.97
MW-2A	98.7	25.50	8.52
MW-2B	98.9	10.53	4.71
MW-3	99.66	11.74	5.95
MW-4	99.47	11.61	5.37
MW-5	96.95	10.53	4.69
MW-6	99.43	14.26	5.33
MW-7	97.43	12.04	3.49
SUMP	100.08	--	6.04

Sampler/Analyst: RON BLINSTONSignature: [Signature]Reviewed by: David HartySignature: [Signature]

7/6/22

MOOG, INC. PLANT 11 REMEDIATION SYSTEM PERFORMANCE MONITORING SUMMARY OF GROUNDWATER ELEVATIONS			
Well Number	PVC Riser Elevation	Bottom Depth	Depth to Water
MW-1B	99.47	16.81	4.81
MW-2A	98.7	25.50	9.49
MW-2B	98.9	10.53	5.32
MW-3	99.66	11.74	6.58
MW-4	99.47	11.61	5.95
MW-5	96.95	10.53	5.95
MW-6	99.43	14.26	5.94
MW-7	97.43	12.04	3.99
SUMP	100.08	--	6.62

Sampler/Analyst: Red BINSTONSignature: [Signature]Reviewed by: David HardySignature: [Signature]

8/24/22

MOOG, INC. PLANT 11 REMEDIATION SYSTEM PERFORMANCE MONITORING SUMMARY OF GROUNDWATER ELEVATIONS			
Well Number	PVC Riser Elevation	Bottom Depth	Depth to Water
MW-1B	99.47	16.81	4.77
MW-2A	98.7	25.50	10.42
MW-2B	98.9	10.53	5.00
MW-3	99.66	11.74	6.22
MW-4	99.47	11.61	5.57
MW-5	96.95	10.53	6.57
MW-6	99.43	14.26	5.55
MW-7	97.43	12.04	3.65
SUMP	100.08	--	6.73

Sampler/Analyst: Rod BeinstonSignature: [Signature]Reviewed by: David HardySignature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, NY 14221

Moog Groundwater Calibration Record

Date: 9/7/22

Time: 8:30 am

			Standard Expires
pH Calibration: Temp:	<u>22.7</u>	Buffers: 7.0	<u>7.00</u> 11/20/2022
Instrument ID:	<u>#5</u>	CHECK 10.0	<u>9.98</u> 10/6/2022
		CHECK 4.0	<u>4.01</u> 10/29/2022

Turbidity: Cal. Check Std: 20 NTU Reading: 19.9 02/2023
Instrument ID: E must be +/- 10% of true value

Method Blank: 0.43

Post- Sampling Cal. Check Std: 20 NTU Reading: 20.5 02/2023
Instrument ID: E must be +/- 10% of true value

Specific Conductivity Cal. Check Std: 1413 umhos/cm

Instrument ID: CON 6 + (8) Reading: 1413 02/21/2023

Field Analyst: [Signature]



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-1B

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 16.81 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 4.70 ft.

Depth of Water Column: 12.11 ft.

Volume of Standing Water in Well: 2.1 gallons

Start of Purge: Date: 9/6/22 Time: 2:27

End of Purge: Date: 9/6/22 Time: 2:44

Total Volume Purge: 4 gallons Well Purged Dry?: Yes No

of Volumes Purged 2 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid, Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 9/7/22 Sample Time: 11:18 Depth to Water Surface 14.92 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 RD Ed	Oakton 300	STD. UNITS	<u>7.61</u>	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	<u>3.84</u>	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	<u>857</u>	
Temperature SM 2550 B 23 RD Ed	UEi 550	F	<u>64</u>	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-2A

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 25.50 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 9.36 ft.

Depth of Water Column: 16.14 ft.

Volume of Standing Water in Well: 2.8 gallons

Start of Purge: Date: 9/6/22 Time: 2:21

End of Purge: Date: 9/6/22 Time: 3:03

Total Volume Purge: 3.2 gallons Well Purged Dry? Yes No

of Volumes Purged 1 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid, Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 9/7/22 Sample Time: 11:24 Depth to Water Surface 14.09 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	6.80	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	6.42	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	1570	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	63	

Weather: _____

Notes: SUMP - 5.87



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-2B

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 10.53 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 4.46 ft.

Depth of Water Column: 6.07 ft.

Volume of Standing Water in Well: 1.1 gallons

Start of Purge: Date: 9/6/22 Time: 2:50

End of Purge: Date: 9/6/22 Time: 2:59

Total Volume Purge: 2.7 gallons Well Purged Dry? Yes ~~No~~

of Volumes Purged 2 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid, Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 9/7/22 Sample Time: 11:30 Depth to Water Surface 5.27 ft.

Sample Appearance: CLEAR

Samples Preserved Yes ~~No~~

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes ~~No~~

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	<u>6.94</u>	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	<u>7.30</u>	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	<u>4360</u>	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	<u>69</u>	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-3

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 11.74 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 5.91 ft.

Depth of Water Column: 5.83 ft.

Volume of Standing Water in Well: 1 gallons

Start of Purge: Date: 9/7/22 Time: 10:10

End of Purge: Date: 9/7/22 Time: 10:16

Total Volume Purge: 3 gallons Well Purged Dry?: Yes ☒ No

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 9/7/22 Sample Time: 10:17 Depth to Water Surface 6.02 ft.

Sample Appearance: SLIGHTLY TURBID

Samples Preserved: Yes ☒ No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated: Yes ☒ No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	7.72	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	29.8	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	1794	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	68	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-4

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 11.61 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 5.28 ft.

Depth of Water Column: 6.33 ft.

Volume of Standing Water in Well: 1.1 gallons

Start of Purge: Date: 9/7/22 Time: 10:36

End of Purge: Date: 9/7/22 Time: 10:43

Total Volume Purge: 3.3 gallons Well Purged Dry?: Yes ☒ No

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate ☒ Rapid ☐ Slow, ☐ Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 9/7/22 Sample Time: 10:45 Depth to Water Surface 5.28 ft.

Sample Appearance: CLEAR

Samples Preserved: ☒ Yes ☐ No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated ☒ Yes ☐ No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	7.75	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	3.71	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	µMHOS/CM	890	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	69	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-5

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 10.53 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 6.19 ft.

Depth of Water Column: 4.34 ft.

Volume of Standing Water in Well: 0.8 gallons

Start of Purge: Date: 9/7/22 Time: 9:48

End of Purge: Date: 9/7/22 Time: 9:53

Total Volume Purge: 2.4 gallons Well Purged Dry?: Yes No

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid, Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 9/7/22 Sample Time: 10:04 Depth to Water Surface 6.46 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes, No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	7.03	(7.01)
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	1.10	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	µMHOS/CM	1856	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	65	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-6

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 14.26 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 5.25 ft.

Depth of Water Column: 9.01 ft.

Volume of Standing Water in Well: 1.60 gallons

Start of Purge: Date: 9/7/22 Time: 10:52

End of Purge: Date: 9/7/22 Time: 11:02

Total Volume Purge: 4.8 gallons Well Purged Dry?: Yes No

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 9/7/22 Sample Time: 11:03 Depth to Water Surface 5.26 ft.

Sample Appearance: SLIGHTLY TURBID

Samples Preserved: Yes No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated: Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	7.85	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	21.8	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	568	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	70	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-7

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 12.04 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 3.30 ft.

Depth of Water Column: 8.74 ft.

Volume of Standing Water in Well: 1.5 gallons

Start of Purge: Date: 9/7/22 Time: 10:14

End of Purge: Date: 9/7/22 Time: 10:21

Total Volume Purge: 4.5 gallons Well Purged Dry?: Yes ☒ No ☐

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 9/7/22 Sample Time: 10:23 Depth to Water Surface 3.34 ft.

Sample Appearance: SLIGHTLY TURBID

Samples Preserved: ☒ Yes ☐ No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated: ☒ Yes ☐ No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	7.82	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	34.5	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	297	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	70	

Weather: _____

Notes: _____



Experience is the solution

314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

September 13, 2022

Kathy Wager
Frontier Technical Associates
8675 Main Street
Williamsville, NY 14221
TEL: (716) 634-2293

Work Order No: 220909028

RE: Plant M-GW
GW ET-979

Dear Kathy Wager:

Adirondack Environmental Services, Inc received 8 samples on 9/9/2022 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Director

Adirondack Environmental Services, Inc

CASE NARRATIVE

Frontier Technical Associates

Date: 13-Sep-22

Plant M-GW

Lab WorkOrder: 220909028

GW ET-979

Sample containers were supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:	ND : Not Detected at reporting limit	C: CCV below acceptable Limits
	J: Analyte detected below quantitation limit	C+: CCV above acceptable Limits
	B: Analyte detected in Blank	S: LCS Spike recovery is below acceptable limits
	X : Exceeds maximum contamination limit	S+: LCS Spike recovery is above acceptable limits
	H: Hold time exceeded	Z: Duplication outside acceptable limits
	N: Matrix Spike below acceptable limits	T : Tentatively Identified Compound-Estimated
	N+: Matrix Spike is above acceptable limits	E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-1B0907
Collection Date: 9/7/2022 11:18:00 AM
Lab Sample ID: 220909028-001
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	9/13/2022 3:36:00 AM
Bromomethane	ND	10		µg/L	1	9/13/2022 3:36:00 AM
Vinyl chloride	ND	10		µg/L	1	9/13/2022 3:36:00 AM
Chloroethane	ND	10		µg/L	1	9/13/2022 3:36:00 AM
Methylene chloride	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Acetone	ND	10		µg/L	1	9/13/2022 3:36:00 AM
Carbon disulfide	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Chloroform	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
2-Butanone	ND	10		µg/L	1	9/13/2022 3:36:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Trichloroethene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Benzene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Bromoform	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/13/2022 3:36:00 AM
2-Hexanone	ND	10		µg/L	1	9/13/2022 3:36:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Toluene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Chlorobenzene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Ethylbenzene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Styrene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
m,p-Xylene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
o-Xylene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Dichlorodifluoromethane	ND	10		µg/L	1	9/13/2022 3:36:00 AM
Methyl Acetate	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-1B0907
Collection Date: 9/7/2022 11:18:00 AM
Lab Sample ID: 220909028-001
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Methyl Cyclohexane	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Isopropylbenzene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	9/13/2022 3:36:00 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	9/13/2022 3:36:00 AM
Surr: 1,2-Dichloroethane-d4	97.5	74-127		%REC	1	9/13/2022 3:36:00 AM
Surr: 4-Bromofluorobenzene	108	74-128		%REC	1	9/13/2022 3:36:00 AM
Surr: Toluene-d8	102	75-127		%REC	1	9/13/2022 3:36:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2A0907
Collection Date: 9/7/2022 11:24:00 AM
Lab Sample ID: 220909028-002
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	9/13/2022 3:58:00 AM
Bromomethane	ND	10		µg/L	1	9/13/2022 3:58:00 AM
Vinyl chloride	ND	10		µg/L	1	9/13/2022 3:58:00 AM
Chloroethane	ND	10		µg/L	1	9/13/2022 3:58:00 AM
Methylene chloride	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Acetone	ND	10		µg/L	1	9/13/2022 3:58:00 AM
Carbon disulfide	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Chloroform	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
2-Butanone	ND	10		µg/L	1	9/13/2022 3:58:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Trichloroethene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Benzene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Bromoform	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/13/2022 3:58:00 AM
2-Hexanone	ND	10		µg/L	1	9/13/2022 3:58:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Toluene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Chlorobenzene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Ethylbenzene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Styrene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
m,p-Xylene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
o-Xylene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Dichlorodifluoromethane	ND	10		µg/L	1	9/13/2022 3:58:00 AM
Methyl Acetate	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2A0907
Collection Date: 9/7/2022 11:24:00 AM
Lab Sample ID: 220909028-002
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Methyl Cyclohexane	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Isopropylbenzene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	9/13/2022 3:58:00 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	9/13/2022 3:58:00 AM
Surr: 1,2-Dichloroethane-d4	97.2	74-127		%REC	1	9/13/2022 3:58:00 AM
Surr: 4-Bromofluorobenzene	106	74-128		%REC	1	9/13/2022 3:58:00 AM
Surr: Toluene-d8	105	75-127		%REC	1	9/13/2022 3:58:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2B0907
Collection Date: 9/7/2022 11:30:00 AM
Lab Sample ID: 220909028-003
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	20		µg/L	2	9/13/2022 6:13:00 AM
Bromomethane	ND	20		µg/L	2	9/13/2022 6:13:00 AM
Vinyl chloride	110	20		µg/L	2	9/13/2022 6:13:00 AM
Chloroethane	ND	20		µg/L	2	9/13/2022 6:13:00 AM
Methylene chloride	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Acetone	ND	20		µg/L	2	9/13/2022 6:13:00 AM
Carbon disulfide	ND	10		µg/L	2	9/13/2022 6:13:00 AM
1,1-Dichloroethene	11	10		µg/L	2	9/13/2022 6:13:00 AM
1,1-Dichloroethane	400	10		µg/L	2	9/13/2022 6:13:00 AM
trans-1,2-Dichloroethene	47	10		µg/L	2	9/13/2022 6:13:00 AM
cis-1,2-Dichloroethene	140	10		µg/L	2	9/13/2022 6:13:00 AM
Chloroform	ND	10		µg/L	2	9/13/2022 6:13:00 AM
1,2-Dichloroethane	ND	10		µg/L	2	9/13/2022 6:13:00 AM
2-Butanone	ND	20		µg/L	2	9/13/2022 6:13:00 AM
1,1,1-Trichloroethane	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Carbon tetrachloride	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Bromodichloromethane	ND	10		µg/L	2	9/13/2022 6:13:00 AM
1,2-Dichloropropane	ND	10		µg/L	2	9/13/2022 6:13:00 AM
cis-1,3-Dichloropropene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Trichloroethene	12	10		µg/L	2	9/13/2022 6:13:00 AM
Dibromochloromethane	ND	10		µg/L	2	9/13/2022 6:13:00 AM
1,1,2-Trichloroethane	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Benzene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
trans-1,3-Dichloropropene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Bromoform	ND	10		µg/L	2	9/13/2022 6:13:00 AM
4-Methyl-2-pentanone	ND	20		µg/L	2	9/13/2022 6:13:00 AM
2-Hexanone	ND	20		µg/L	2	9/13/2022 6:13:00 AM
Tetrachloroethene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Toluene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Chlorobenzene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Ethylbenzene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Styrene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
m,p-Xylene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
o-Xylene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Methyl tert-butyl ether	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Dichlorodifluoromethane	ND	20		µg/L	2	9/13/2022 6:13:00 AM
Methyl Acetate	ND	10		µg/L	2	9/13/2022 6:13:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	26	10		µg/L	2	9/13/2022 6:13:00 AM
Trichlorofluoromethane	ND	10		µg/L	2	9/13/2022 6:13:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2B0907
Collection Date: 9/7/2022 11:30:00 AM
Lab Sample ID: 220909028-003
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Methyl Cyclohexane	ND	10		µg/L	2	9/13/2022 6:13:00 AM
1,2-Dibromoethane	ND	10		µg/L	2	9/13/2022 6:13:00 AM
1,3-Dichlorobenzene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Isopropylbenzene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
1,2-Dichlorobenzene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
1,4-Dichlorobenzene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	2	9/13/2022 6:13:00 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	2	9/13/2022 6:13:00 AM
Surr: 1,2-Dichloroethane-d4	106	74-127		%REC	2	9/13/2022 6:13:00 AM
Surr: 4-Bromofluorobenzene	95.3	74-128		%REC	2	9/13/2022 6:13:00 AM
Surr: Toluene-d8	96.3	75-127		%REC	2	9/13/2022 6:13:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-30907
Collection Date: 9/7/2022 10:17:00 AM
Lab Sample ID: 220909028-004
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	9/13/2022 4:20:00 AM
Bromomethane	ND	10		µg/L	1	9/13/2022 4:20:00 AM
Vinyl chloride	ND	10		µg/L	1	9/13/2022 4:20:00 AM
Chloroethane	ND	10		µg/L	1	9/13/2022 4:20:00 AM
Methylene chloride	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Acetone	ND	10		µg/L	1	9/13/2022 4:20:00 AM
Carbon disulfide	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Chloroform	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
2-Butanone	ND	10		µg/L	1	9/13/2022 4:20:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Trichloroethene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Benzene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Bromoform	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/13/2022 4:20:00 AM
2-Hexanone	ND	10		µg/L	1	9/13/2022 4:20:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Toluene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Chlorobenzene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Ethylbenzene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Styrene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
m,p-Xylene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
o-Xylene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Dichlorodifluoromethane	ND	10		µg/L	1	9/13/2022 4:20:00 AM
Methyl Acetate	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-30907
Collection Date: 9/7/2022 10:17:00 AM
Lab Sample ID: 220909028-004
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Methyl Cyclohexane	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Isopropylbenzene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	9/13/2022 4:20:00 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	9/13/2022 4:20:00 AM
Surr: 1,2-Dichloroethane-d4	100	74-127		%REC	1	9/13/2022 4:20:00 AM
Surr: 4-Bromofluorobenzene	114	74-128		%REC	1	9/13/2022 4:20:00 AM
Surr: Toluene-d8	107	75-127		%REC	1	9/13/2022 4:20:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-40907
Collection Date: 9/7/2022 10:45:00 AM
Lab Sample ID: 220909028-005
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	9/13/2022 4:42:00 AM
Bromomethane	ND	10		µg/L	1	9/13/2022 4:42:00 AM
Vinyl chloride	ND	10		µg/L	1	9/13/2022 4:42:00 AM
Chloroethane	ND	10		µg/L	1	9/13/2022 4:42:00 AM
Methylene chloride	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Acetone	ND	10		µg/L	1	9/13/2022 4:42:00 AM
Carbon disulfide	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Chloroform	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
2-Butanone	ND	10		µg/L	1	9/13/2022 4:42:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Trichloroethene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Benzene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Bromoform	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/13/2022 4:42:00 AM
2-Hexanone	ND	10		µg/L	1	9/13/2022 4:42:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Toluene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Chlorobenzene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Ethylbenzene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Styrene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
m,p-Xylene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
o-Xylene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Dichlorodifluoromethane	ND	10		µg/L	1	9/13/2022 4:42:00 AM
Methyl Acetate	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-40907
Collection Date: 9/7/2022 10:45:00 AM
Lab Sample ID: 220909028-005
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Methyl Cyclohexane	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Isopropylbenzene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	9/13/2022 4:42:00 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	9/13/2022 4:42:00 AM
Surr: 1,2-Dichloroethane-d4	103	74-127		%REC	1	9/13/2022 4:42:00 AM
Surr: 4-Bromofluorobenzene	97.6	74-128		%REC	1	9/13/2022 4:42:00 AM
Surr: Toluene-d8	101	75-127		%REC	1	9/13/2022 4:42:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-50907
Collection Date: 9/7/2022 10:04:00 AM
Lab Sample ID: 220909028-006
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	9/13/2022 5:04:00 AM
Bromomethane	ND	10		µg/L	1	9/13/2022 5:04:00 AM
Vinyl chloride	ND	10		µg/L	1	9/13/2022 5:04:00 AM
Chloroethane	ND	10		µg/L	1	9/13/2022 5:04:00 AM
Methylene chloride	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Acetone	ND	10		µg/L	1	9/13/2022 5:04:00 AM
Carbon disulfide	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Chloroform	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
2-Butanone	ND	10		µg/L	1	9/13/2022 5:04:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Trichloroethene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Benzene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Bromoform	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/13/2022 5:04:00 AM
2-Hexanone	ND	10		µg/L	1	9/13/2022 5:04:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Toluene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Chlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Ethylbenzene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Styrene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
m,p-Xylene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
o-Xylene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Dichlorodifluoromethane	ND	10		µg/L	1	9/13/2022 5:04:00 AM
Methyl Acetate	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-50907
Collection Date: 9/7/2022 10:04:00 AM
Lab Sample ID: 220909028-006
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Methyl Cyclohexane	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Isopropylbenzene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	9/13/2022 5:04:00 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:04:00 AM
Surr: 1,2-Dichloroethane-d4	98.5	74-127		%REC	1	9/13/2022 5:04:00 AM
Surr: 4-Bromofluorobenzene	128	74-128	S	%REC	1	9/13/2022 5:04:00 AM
Surr: Toluene-d8	107	75-127		%REC	1	9/13/2022 5:04:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-60907
Collection Date: 9/7/2022 11:03:00 AM
Lab Sample ID: 220909028-007
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	9/13/2022 5:26:00 AM
Bromomethane	ND	10		µg/L	1	9/13/2022 5:26:00 AM
Vinyl chloride	ND	10		µg/L	1	9/13/2022 5:26:00 AM
Chloroethane	ND	10		µg/L	1	9/13/2022 5:26:00 AM
Methylene chloride	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Acetone	ND	10		µg/L	1	9/13/2022 5:26:00 AM
Carbon disulfide	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Chloroform	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
2-Butanone	ND	10		µg/L	1	9/13/2022 5:26:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Trichloroethene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Benzene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Bromoform	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/13/2022 5:26:00 AM
2-Hexanone	ND	10		µg/L	1	9/13/2022 5:26:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Toluene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Chlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Ethylbenzene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Styrene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
m,p-Xylene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
o-Xylene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Dichlorodifluoromethane	ND	10		µg/L	1	9/13/2022 5:26:00 AM
Methyl Acetate	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-60907
Collection Date: 9/7/2022 11:03:00 AM
Lab Sample ID: 220909028-007
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Methyl Cyclohexane	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Isopropylbenzene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	9/13/2022 5:26:00 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:26:00 AM
Surr: 1,2-Dichloroethane-d4	106	74-127		%REC	1	9/13/2022 5:26:00 AM
Surr: 4-Bromofluorobenzene	110	74-128		%REC	1	9/13/2022 5:26:00 AM
Surr: Toluene-d8	107	75-127		%REC	1	9/13/2022 5:26:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-70907
Collection Date: 9/7/2022 10:23:00 AM
Lab Sample ID: 220909028-008
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	9/13/2022 5:48:00 AM
Bromomethane	ND	10		µg/L	1	9/13/2022 5:48:00 AM
Vinyl chloride	ND	10		µg/L	1	9/13/2022 5:48:00 AM
Chloroethane	ND	10		µg/L	1	9/13/2022 5:48:00 AM
Methylene chloride	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Acetone	ND	10		µg/L	1	9/13/2022 5:48:00 AM
Carbon disulfide	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Chloroform	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
2-Butanone	ND	10		µg/L	1	9/13/2022 5:48:00 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Trichloroethene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Benzene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Bromoform	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/13/2022 5:48:00 AM
2-Hexanone	ND	10		µg/L	1	9/13/2022 5:48:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Toluene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Chlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Ethylbenzene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Styrene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
m,p-Xylene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
o-Xylene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Methyl tert-butyl ether	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Dichlorodifluoromethane	ND	10		µg/L	1	9/13/2022 5:48:00 AM
Methyl Acetate	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Trichlorofluoromethane	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM

Adirondack Environmental Services, Inc

Date: 13-Sep-22

CLIENT: Frontier Technical Associates
Work Order: 220909028
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-70907
Collection Date: 9/7/2022 10:23:00 AM
Lab Sample ID: 220909028-008
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Methyl Cyclohexane	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
1,2-Dibromoethane	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Isopropylbenzene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	9/13/2022 5:48:00 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	9/13/2022 5:48:00 AM
Surr: 1,2-Dichloroethane-d4	94.0	74-127		%REC	1	9/13/2022 5:48:00 AM
Surr: 4-Bromofluorobenzene	120	74-128		%REC	1	9/13/2022 5:48:00 AM
Surr: Toluene-d8	106	75-127		%REC	1	9/13/2022 5:48:00 AM



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COC Reference:

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All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.**'s performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.
- (g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.



FRONTIER TECHNICAL ASSOCIATES, INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

Environmental Monitoring and Consulting

**GROUNDWATER MONITORING REPORT
FOR
MOOG SITE
ELMA, NEW YORK
FOURTH QUARTER 2022**

ET-979-22-04

December 6, 2022

Prepared for:

Mr. Christopher Russin
Moog, Inc.,
160 Jamison Road
East Aurora, NY 14052

Prepared by:

Frontier Technical Associates, Inc.
8675 Main Street
Williamsville, NY 14221

TABLE OF CONTENTS

ITEM	Page No.
INTRODUCTION	1
Purpose	1
MONITORING SYSTEM	1
MONITORING METHODS	1
Sampling Procedures	1
Quality Assurance and Quality Control	2
MONITORING RESULTS	2
Water Quality Data	2
Sample Holding Times	2
Laboratory Method Blank Analysis	2
Data Usability	3
GROUNDWATER FLOW	3
EVALUATION OF MONITORING RESULTS	3

**GROUNDWATER MONITORING REPORT
FOR
MOOG SITE
ELMA, NEW YORK
FOURTH QUARTER 2022**

INTRODUCTION

Purpose

The purpose of this report is to document the groundwater conditions in eight wells at Moog, Inc. in support of a delisting of the site with NYSDEC. The wells are to be monitored quarterly and the results of the sampling and analysis are to be reported to Moog. Frontier Technical Associates, Inc. (FTA) has been contracted to provide monitoring and sampling. This report is to document the monitoring and analysis for the Fourth Quarter of 2022.

MONITORING SYSTEM

The groundwater monitoring system consists of eight wells. The wells are located as shown on Figure 1 and are designated as follows:

MW-1B	MW-2A	MW-2B	MW-3
MW-4	MW-5	MW-6	MW-7

The historical and current groundwater elevations are presented on Table 1.

MONITORING METHODS

Groundwater samples were obtained from the eight wells. The samples were collected by Frontier Technical Associates, Inc. (FTA) under contract to Moog, Inc. The samples were analyzed by AES, Inc. under subcontract to Frontier Technical Associates.

Sampling Procedures

The wells were sampled in accordance with the standard procedures specified by Moog, Inc. Prior to purging and sampling, the groundwater surface level was obtained. The wells were then purged to remove a minimum of three well volumes of standing water or until dry. All the wells were purged using dedicated

polyethylene tubing connected to a peristaltic pump. The quantity of groundwater purged was measured.

The samples were collected with dedicated bailers. Samples for laboratory analysis were collected in pre-labeled glass vials as appropriate for the analysis. The samples were cooled to $< 6^{\circ}\text{C}$ for shipment to the laboratory. The samples were transported to AES under proper chain-of-custody.

Field measurements for pH, specific conductance, temperature and turbidity were made immediately upon sample collection. Meters were calibrated prior to use. The results of the field measurements are presented on Table 2. The field data collection forms are presented in the Appendix to document the work at this site.

Quality Assurance and Quality Control

Frontier Technical Associates, Inc. implemented the following quality assurance and quality control measures during this monitoring event to help ensure the quality and reliability of the data obtained:

- Laboratory surrogate recoveries were checked. Laboratory QA/QC is presented in the complete laboratory report in the Appendix.

MONITORING RESULTS

Water Quality Data

The groundwater monitoring results for this quarter are summarized on Table 3. Table 3 also includes any laboratory data qualifiers (if any). The evaluation of the water quality data includes an evaluation of the sample holding times. These QA/QC measures are used to assess data usability. In addition, the data is reviewed by a senior environmental professional (Professional Engineer) for usability. The data is evaluated against the NYSDEC groundwater standard (Class GA) to aid in the interpretation of the significance of the results.

Sample Holding Times

Sample holding times for each parameter are specified by each analytical method. All samples were analyzed within the allowable holding times.

Data Usability

Based on a review of the sampling and analytical data and the quality control/quality assurance data, the data as presented in this report is usable for the purposes stated in the scope of work.

GROUNDWATER

The groundwater pumping system has been turned off and the groundwater levels in the wells have risen and appear to have reached their equilibrium level. Figures 2 through 10 present the historical elevation plots for each of the wells. Groundwater elevations in many of the wells rise and fall together. The following observations are relevant to the evaluation of the groundwater levels.

- After the pumping was turned off, water levels in the Sump and Wells MW-2B, MW-3, MW-4, MW-6 and MW-7 increased. It appears that the operation of the sump impacts the water elevations at these locations.
- Groundwater elevations in wells MW-1B, MW-2A and MW-5 appear to be unaffected by the operation of the sump.
- Monitoring well MW-2A and MW-5 appear to be affected by seasonal variations. Late summer and early fall represent the lowest groundwater elevations.

EVALUATION OF MONITORING RESULTS

Tables 2 and 3 summarize the groundwater monitoring results for this quarter. Based on the available results, the data appears to be consistent with prior sampling events. pH measurements ranged from 6.75 to 7.72. Turbidity was less than 20 NTUs in all wells. Specific conductance ranged from 819 to 2,120 uhmos/cm.

The concentration of volatile organic compounds for this quarter are presented on Table 3. Figure 11 is a plot of the CFC 113 in well MW-2B. Figures 12, 13, 14 and 15 are plots of several potential indicator compounds with time in Well MW-2B. Contamination in the other wells on site is not present. All trends are tentative at this time and should be further evaluated as additional information becomes available.

Table 1. Groundwater Elevations at Moog

<u>Date</u>	<u>Sump</u>	<u>MW-1B</u>	<u>MW-2A</u>	<u>MW-2B</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>MW-6</u>	<u>MW-7</u>
Dec-10	94.52	95.27	92.55	94.55	94.70	93.49	94.18	94.58	95.00
Jan-11	94.24	95.43	92.55	94.87	94.32	94.29	93.60	94.32	94.26
Feb-11	88.90	94.14	90.48	90.47	89.02	88.91	91.81	88.95	88.90
Mar-11	94.10	95.29	92.11	94.10	94.12	93.92	93.68	94.04	94.03
Apr-11	94.47	94.99	92.67	94.29	94.30	94.25	93.63	94.31	94.26
May-11	94.20	94.78	92.49	94.33	94.36	94.22	94.70	94.31	94.24
Jun-11	94.16	94.92	92.98	94.46	94.26	94.02	93.98	94.25	94.13
Jul-11	93.53	94.55	91.76	93.42	93.50	93.52	91.29	93.53	93.52
Aug-11	88.90	93.45	88.77	89.13	88.88	88.89	89.12	88.92	88.88
Sep-11	88.78	93.57	88.64	89.74	88.82	88.82	89.67	88.78	88.78
Oct-11	88.83	93.75	87.99	91.12	89.02	88.94	90.04	89.00	89.01
Nov-11	88.85	93.89	90.22	90.20	88.99	89.06	90.93	88.91	88.92
Dec-11	94.22	94.45	91.68	94.06	94.22	94.08	93.43	94.24	94.18
Jan-12	88.95	94.04	90.38	91.17	89.13	88.99	92.70	88.91	88.94
Feb-12	88.93	94.09	90.85	91.52	89.16	89.07	92.37	88.95	88.96
Mar-12	88.75	94.11	90.14	91.57	89.00	88.93	92.15	88.76	88.77
Apr-12	88.58	93.73	89.03	90.10	88.94	88.92	91.20	88.97	88.92
May-12	90.88	94.03	89.66	91.36	90.95	90.99	92.00	90.99	90.93
Jun-12	88.75	93.59	88.18	89.29	88.77	88.75	90.30	88.78	88.75
Jul-12	88.82	93.38	87.50	89.04	88.74	88.76	89.01	88.79	88.75
Aug-12	88.72	93.16	88.27	89.68	88.91	89.07	89.90	88.93	88.94
Sep-12	88.76	93.27	87.66	89.17	88.88	88.94	88.67	88.95	88.91
Oct-12	88.65	92.54	87.67			87.94	88.77	87.99	87.98
Nov-12	88.91	94.07	89.53	90.66	88.95	89.02	91.40	88.91	88.89
Dec-12	91.40	93.49	90.82	88.83	91.32	91.37	90.90	91.38	89.33
Jan-13	88.90	93.66	88.90	89.75	88.87	88.78	91.57	88.83	88.81
Feb-13		94.29	90.66	93.40	93.63	93.66	91.98	93.75	93.67
Mar-13	94.13	94.66	91.29	94.57	94.03	94.14	92.99	94.15	94.08
Apr-13	94.21	94.79	91.40	94.54	94.11	94.25	92.97	94.23	94.16
May-13	94.06	94.38	91.22	94.47	93.94	94.10	92.39	94.10	94.04
Jun-13	94.20	94.88	91.61	94.53	94.05	94.21	92.94	94.20	94.13
Jul-13	94.62	94.62	91.14	94.17	94.01	94.20	91.90	94.21	94.15
Aug-13	93.74	94.54	90.63	93.42	93.58	93.75	90.64	93.75	93.65
Sep-13	92.82	94.25	92.77	89.80	92.66	92.83	89.72	92.81	92.78
Oct-13	92.36	94.23	89.27	92.54	92.23	92.39	89.56	92.38	92.31
Nov-13	94.15	94.75	90.75	94.29	94.08	94.16	92.39	94.19	94.11
Dec-13	94.35	95.06	90.70	94.77	94.27	94.37	92.72	94.37	94.31
Jan-14	94.39	95.49	91.05	94.97	94.48	94.43	93.66	94.43	94.37
Feb-14	94.34	94.44	89.88	94.32	94.13	94.38	92.15	94.35	94.27
Mar-14	94.35	95.17	91.03	94.95	94.41	94.50	93.00	94.49	94.42
Apr-14	94.42	94.90	91.13	94.98	94.38	94.43	93.95	94.44	94.40
May-14	94.27	95.38	91.02	94.65	94.20	94.29	93.27	94.30	94.23
Jun-14	94.17	95.10	90.47	94.24	93.94	94.19	91.96	94.20	94.14
Jul-14	93.90	94.60	89.86	93.82	93.68	93.92	90.82	93.92	93.84
Aug-14	94.02	94.10	90.05	94.03	93.83	94.04	91.55	94.04	93.98
Sep-14	94.10	94.39	89.25	93.99	93.85	94.11	90.56	94.10	94.02
Oct-14	94.34	94.49	89.29	94.19	94.09	94.34	90.80	94.34	94.24

Table 1. Groundwater Elevations at Moog

<u>Date</u>	<u>Sump</u>	<u>MW-1B</u>	<u>MW-2A</u>	<u>MW-2B</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>MW-6</u>	<u>MW-7</u>
Dec-14	94.39	94.96	90.92	94.90	94.35	94.41	93.05	94.42	94.36
Jan-15	94.01	94.73	90.28	94.29	93.91	94.05	92.47	94.02	93.96
Mar-15	94.44	95.20	91.13	94.99	94.43	94.45	93.90	94.48	94.43
Apr-15	94.48	94.59	91.02	94.88	94.41	94.50	94.15	94.50	93.45
May-15	94.20	94.88	90.29	94.40	93.96	94.22	92.36	94.21	94.13
Jun-15	94.18	94.96	90.57	94.40	94.03	94.26	92.49	94.29	94.21
Jul-15	94.38	95.10	90.30	94.49	94.16	94.42	92.37	94.41	94.33
Aug-15	94.26	94.94	89.55	94.42	94.01	94.28	91.33	94.28	94.20
Sep-15	93.68	94.23	89.29	93.63	93.46	93.73	90.35	93.71	93.63
Oct-15	93.93	94.92	90.58	94.07	93.68	93.92	90.75	93.96	93.86
Nov-15	94.17	94.96	89.87	94.29	93.95	94.19	91.65	94.19	94.12
Dec-15	94.15	94.88	90.12	94.44	94.01	94.18	91.70	94.20	94.13
Jan-16	94.28	95.19	90.39	94.67	94.25	94.31	92.75	94.31	94.25
Feb-16	94.37	95.32	90.81	94.93	94.41	94.40	94.12	94.41	94.35
Mar-16	94.48	92.57	90.83	94.82	94.38	94.50	94.20	94.49	94.47
Apr-16	94.44	95.30	91.11	94.83	94.40	94.46	93.93	94.47	94.42
May-16	93.79	94.92	89.52	93.80	93.54	93.81	91.17	93.81	93.73
Jun-16	94.10	93.76	89.47	94.06	93.83	94.12	91.14	94.12	94.04
Aug-16	93.63	94.37	87.95	93.40	93.36	93.65	89.10	93.65	93.55
Sep-16	93.10	94.57	88.62	93.13	92.87	93.14	89.63	93.12	93.03
Oct-16	93.97	94.63	88.72	93.93	93.73	93.97	90.73	93.99	93.91
Nov-16	93.85	94.81	89.49	94.05	93.67	93.89	91.36	93.87	93.80
Dec-16	94.34	94.83	90.25	94.73	94.21	94.37	92.34	94.38	94.31
Jan-17	94.55	95.37	90.56	95.20	94.58	94.57	93.75	94.58	94.52
Feb-17	94.56	95.34	90.49	94.73	94.52	94.60	93.85	94.51	94.54
Mar-17	94.42	94.88	90.64	94.94	94.35	94.46	94.23	94.45	94.38
Mar-17	94.42	94.88	90.64	94.94	94.35	94.46	94.23	94.45	94.38
Apr-17	94.32	95.54	90.90	94.83	94.27	94.35	94.42	94.36	94.29
May-17	94.25	95.05	89.97	94.33	94.05	94.28	92.72	94.30	94.23
Jun-17	93.76	94.53	88.73	93.89	93.52	93.76	91.98	93.72	93.44
Jul-17	93.68	94.99	89.37	93.63	93.23	93.42	91.50	93.45	93.45
Aug-17	94.01	95.00	89.60	94.31	93.78	94.01	92.00	94.04	93.96
Sep-17	93.95	94.34	89.41	93.95	93.68	93.97	91.26	93.97	93.89
Oct-17	92.43	94.45	88.53	92.68	92.22	92.48	90.35	92.46	92.40
Nov-17	94.18	95.03	90.26	94.68	94.03	94.20	93.16	94.22	94.16
Dec-17	94.29	95.32	90.46	94.87	94.16	94.35	93.19	94.35	94.27
Jan-18	93.93	95.06	90.22	94.33	93.73	93.95	93.01	93.94	93.87
Feb-18	94.36	95.49	90.76	94.99	94.36	94.39	94.10	94.41	94.36
Mar-18	94.30	94.96	91.00	94.80	94.16	94.32	94.05	94.34	94.28
Apr-18	94.30	95.49	91.10	94.87	94.08	94.34	94.39	94.36	94.30
May-18	94.06	95.19	90.13	94.32	93.79	94.10	92.32	94.11	94.01
Jun-18	93.92	94.76	89.96	94.07	93.60	93.93	91.98	93.95	93.86
Jul-18	93.80	94.91	89.59	93.74	93.50	93.84	91.24	93.83	93.85
Aug-18	94.18	94.91	89.32	94.33	93.86	94.19	91.17	94.17	94.12
Sep-18	93.74	94.62	88.66	93.67	93.44	93.76	90.26	93.76	93.68
Oct-18	94.30	94.91	88.87	94.68	94.00	94.28	91.39	94.32	94.24
Nov-18	94.36	95.34	90.53	95.09	94.34	94.40	93.41	94.42	94.31

<u>Date</u>	<u>Sump</u>	<u>MW-1B</u>	<u>MW-2A</u>	<u>MW-2B</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>MW-6</u>	<u>MW-7</u>
Dec-18	95.06	93.68	90.35	94.93	94.24	94.36	94.08	94.35	94.32
Jan-19	94.35	95.12	90.47	94.93	94.38	94.39	94.23	94.41	94.35
Feb-19	94.33	95.23	90.70	94.63	94.09	94.32	93.55	94.33	94.28
Mar-19	94.15	94.79	90.09	94.47	93.89	94.19	92.93	94.21	94.12
Apr-19	94.34	95.35	90.79	94.77	94.18	94.37	93.89	94.36	94.33
May-19	94.25	95.00	90.34	94.40	93.96	94.28	92.74	94.30	94.22
Jun-19	94.08	94.00	90.09	94.29	93.78	94.12	92.51	94.14	94.06
Jul-19	94.08	94.80	89.87	94.22	93.75	94.09	92.24	94.08	94.04
Aug-19	93.72	94.74	88.78	93.83	93.38	93.76	90.61	93.75	93.67
Sep-19	94.23	92.85	89.02	94.39	93.90	94.27	91.41	94.26	94.21
Oct-19	94.46	94.63	89.22	94.90	94.13	94.49	91.71	94.48	94.53
Nov-19	94.40	94.94	90.54	94.77	94.28	94.42	93.30	94.43	94.38
Dec-19	94.35	94.55	89.92	94.73	94.36	94.36	94.10	94.38	94.31
Jan-20	94.30	94.89	90.41	94.61	94.26	94.35	94.05	94.34	94.28
Feb-20	94.31	95.55	90.42	94.58	94.32	94.35	94.13	94.37	94.28
Mar-20	94.38	95.01	90.52	94.76	94.39	94.41	94.20	94.43	94.36
Apr-20	94.36	95.07	90.71	94.72	94.38	94.38	94.24	94.40	94.34
May-20	94.25	95.10	90.62	94.46	94.07	94.27	93.55	94.28	94.23
Jun-20	93.95	94.82	89.99	94.09	93.67	94.01	92.44	93.99	93.92
Jun-20	93.94	94.85	89.57	94.04	93.62	93.97	91.76	93.97	93.85
Aug-20	94.13	94.85	88.89	93.95	93.79	94.13	91.02	94.14	94.08
Sep-20	93.50	93.87	88.29	93.59	93.20	93.55	90.40	93.53	93.46
Oct-20	94.29	94.41	87.99	94.68	93.94	94.30	91.74	94.32	94.32
Nov-20	94.05	94.73	89.44	94.62	93.79	94.11	91.94	94.09	94.03
Dec-20	94.22	94.66	90.22	94.55	93.99	94.27	93.29	94.26	94.22
Jan-21	94.34	95.16	90.52	94.69	94.18	94.38	94.12	94.38	94.32
Feb-21	94.04	94.73	89.37	94.27	93.75	94.07	92.48	94.05	93.93
Mar-21	94.35	95.07	90.72	94.75	94.21	94.36	93.25	94.40	94.33
Apr-21	94.10	94.97	90.16	94.35	93.83	94.14	92.39	94.13	94.07
May-21	93.93	94.99	89.94	94.08	93.63	93.97	92.33	93.96	93.91
Jul-21	93.93	94.87	89.50	94.04	93.61	93.98	91.51	93.98	93.91
Aug-21	93.93	94.87	89.50	94.04	93.61	93.98	91.51	93.98	93.91
Sep-21	94.40	94.71	88.65	94.49	94.05	93.97	91.36	94.43	95.48
Oct-21	94.26	94.85	89.10	94.46	93.98	94.31	92.30	94.30	94.25
Nov-21	94.30	94.92	90.35	94.74	94.09	94.35	93.43	94.35	94.54
Dec-21	94.31	93.40	89.99	94.50	94.08	94.35	93.04	94.35	94.25
Jan-22	94.25	94.96	90.20	94.70	94.01	94.30	93.50	94.30	94.23
Feb-22	94.47	95.13	90.44	94.77	94.18	94.51	93.95	94.51	94.41
Mar-22	94.35	95.05	90.28	94.75	94.13	94.39	93.65	94.41	94.34
Apr-22	94.24	95.17	90.51	94.65	93.99	94.27	93.18	94.28	94.21
May-22	94.15	95.01	90.10	94.34	93.81	94.17	92.36	94.18	94.50
Jun-22	94.04	94.50	90.18	94.19	93.71	94.10	92.26	94.10	93.94
Jul-22	93.46	94.66	89.21	93.58	93.08	93.52	91.00	93.49	93.44
Aug-22	93.85	94.70	88.28	93.90	93.44	93.90	90.38	93.88	93.78
Sep-22	94.21	94.77	89.34	94.44	93.75	94.19	90.76	94.18	94.13

<u>Date</u>	<u>Sump</u>	<u>MW-1B</u>	<u>MW-2A</u>	<u>MW-2B</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>MW-6</u>	<u>MW-7</u>
Oct-22	94.49	95.08	90.16	95.17	99.66	99.47	96.95	99.43	97.43



TABLE 2
MOOG SITE
SUMMARY OF FIELD MEASUREMENTS
(November 30, 2022)

Location	Sample Time	pH (SU)	Turbidity (NTU)	Specific Conductance (uhmos/cm)	Temperature (F)	Sample Appearance
Method		SM4500 HB (23 rd Ed)	EPA 180.1 (Rev 2.0)	EPA 120.1 (Rev 1982)	SM2550B (23 rd Ed)	
MW-1B	1:13 pm	7.08	6.34	916	58	Clear
MW-2A	1:30 pm	6.87	4.67	2,120	59	Clear
MW-2B	1:37 pm	7.18	19.4	1,960	54	Clear
MW-3	1:23 pm	7.61	5.43	897	46	Clear
MW-4	12:26 pm	7.28	3.75	1,092	52	Clear
MW-5	12:14 pm	6.75	13.5	819	47	Clear
MW-6	12:39 pm	7.49	4.21	923	55	Clear
MW-7	12:55 pm	7.72	172	1,285	49	Turbid

All measurements made in the field by FTA (ELAP No. 10475) immediately upon sample collection.
 All meters were calibrated in accordance with FTA laboratory procedures and protocols.

TABLE 3
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Fourth Quarter 2022 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
1,1,1-TRICHLOROETHANE (TCA)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2,2-TETRACHLOROETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2-TRICHLOROETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0	U	5.0	U	28		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1-DICHLOROETHANE (1,1-DCA)	5.0	U	5.0	U	31		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1-DICHLOROETHENE (1,1-DCE)	5.0	U	5.0	U	20	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2,4-TRICHLOROBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMOETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-DICHLOROBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-DICHLOROETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-DICHLOROPROPANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,3-DICHLOROBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,4-DICHLOROBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-BUTANONE (MEK)	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
2-HEXANONE	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
ACETONE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BROMODICHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BROMOFORM	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BROMOMETHANE	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
CARBON DISULFIDE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CARBON TETRACHLORIDE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CHLOROBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CHLOROETHANE	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
CHLOROFORM	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CHLOROMETHANE	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U

U = Not Detected, J = Estimated

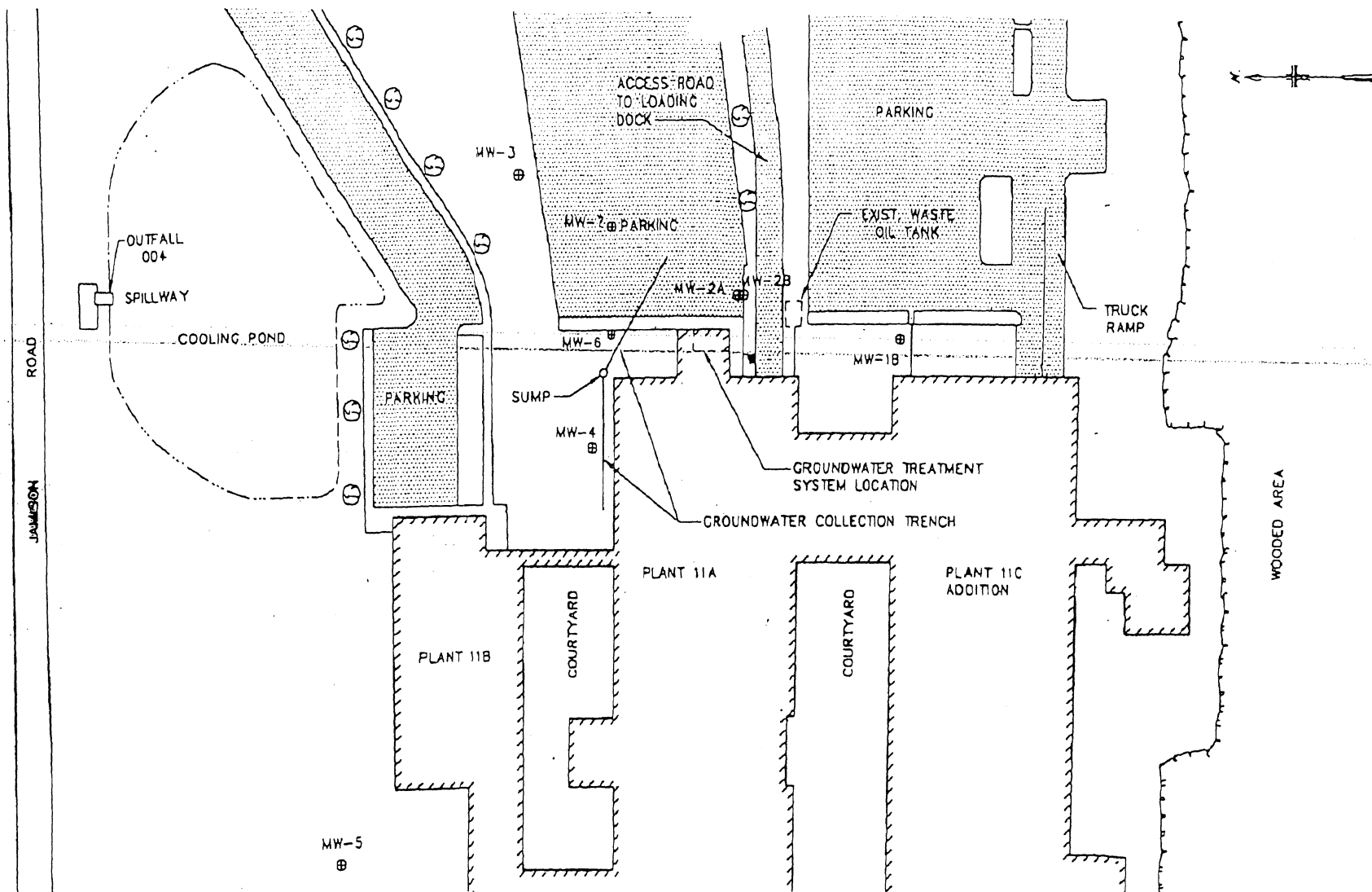
TABLE 3 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

Fourth Quarter 2022 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DIBROMOCHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
DICHLOROMETHANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ETHYLBENZENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ISOPROPYLBENZENE (CUMENE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL ACETATE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL TERT-BUTYL ETHER	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYLCYCLOHEXANE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
STYRENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TETRACHLOROETHENE (PCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TOLUENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROETHENE (TCE)	5.0	U	5.0	U	20	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
VINYL CHLORIDE	10	U	10	U	20	U	10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	5.0	U	5.0	U	12		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CIS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
M,P-XYLENES	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
O-XYLENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,2-DICHLOROETHENE	5.0	U	5.0	U	20	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

U = Not Detected, J= Estimated, B=Found in Method Blank

FIGURE 1



EAST AURORA PLANT 11
GROUNDWATER REMEDIATION SYSTEM
PERFORMANCE MONITORING
MONITORING WELL LOCATIONS

MOOG, INC.

Figure 2. Groundwater Elevations in Sump

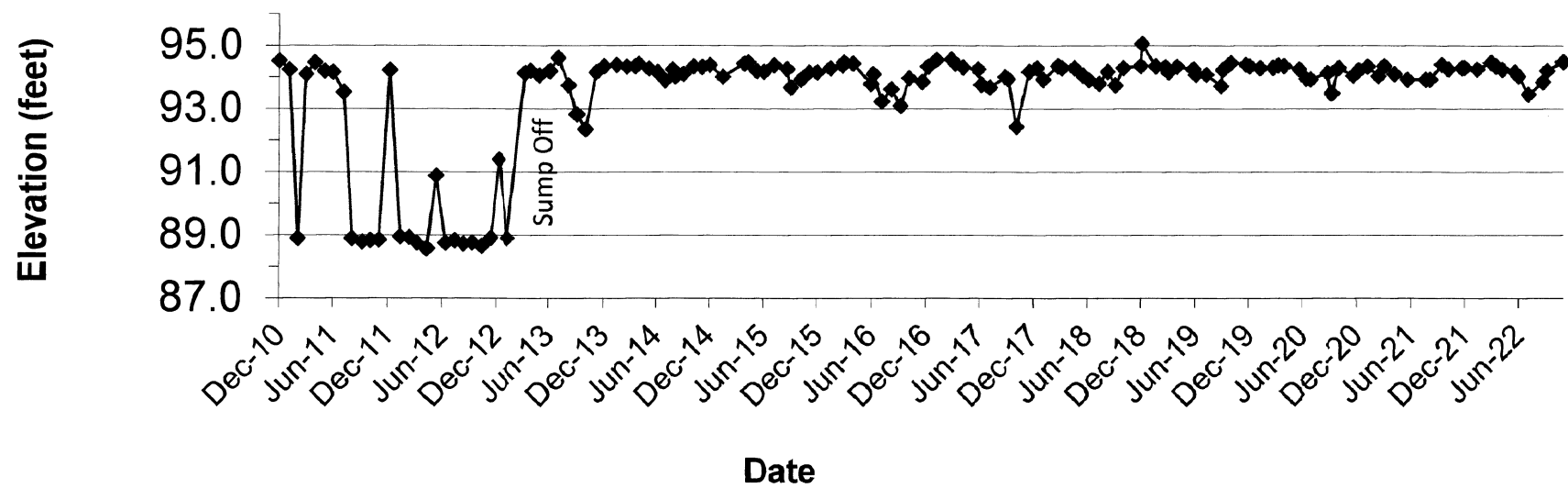


Figure 3. Groundwater Elevations MW-1B

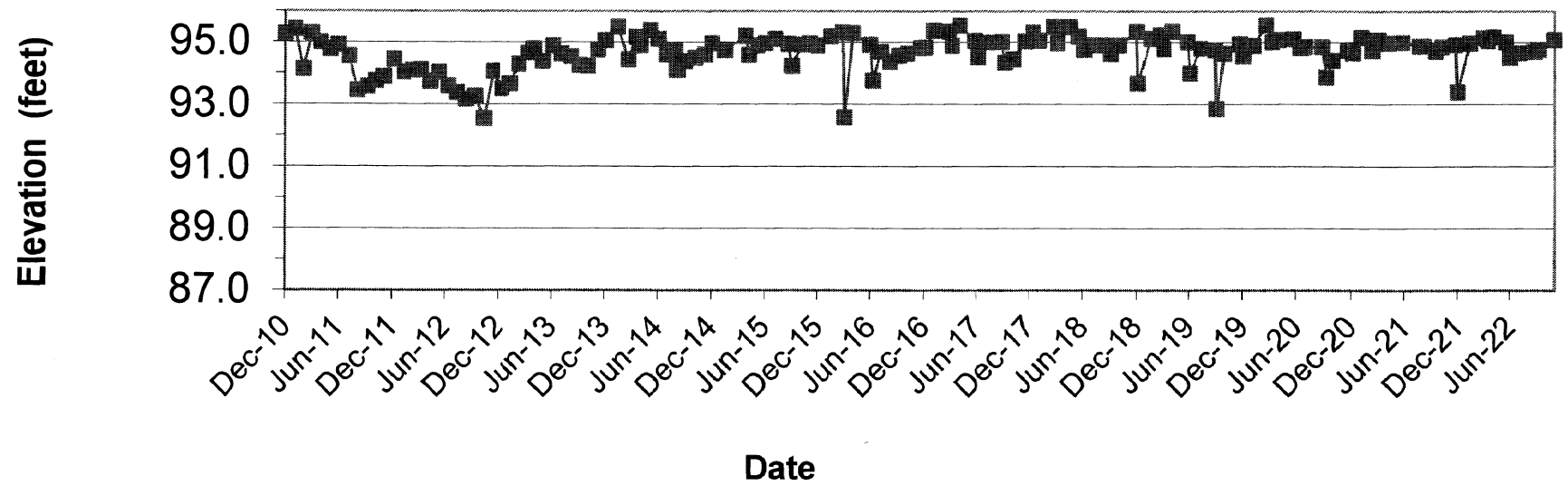


Figure 4. Groundwater Elevations MW-2A

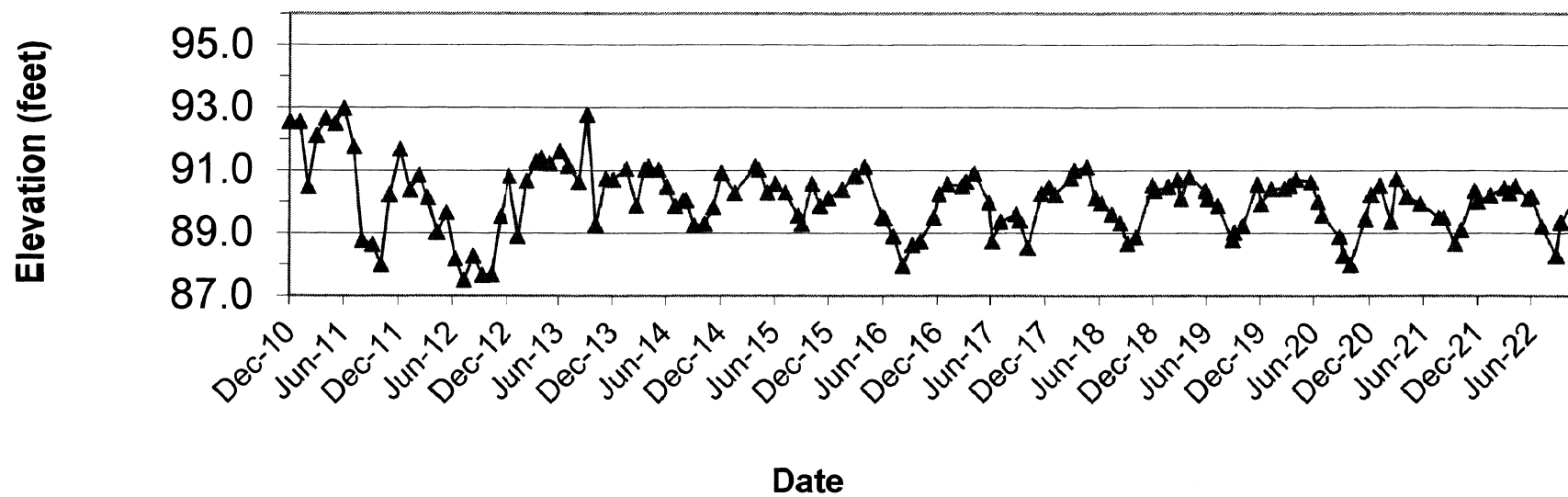


Figure 5. Groundwater Elevations MW-2B

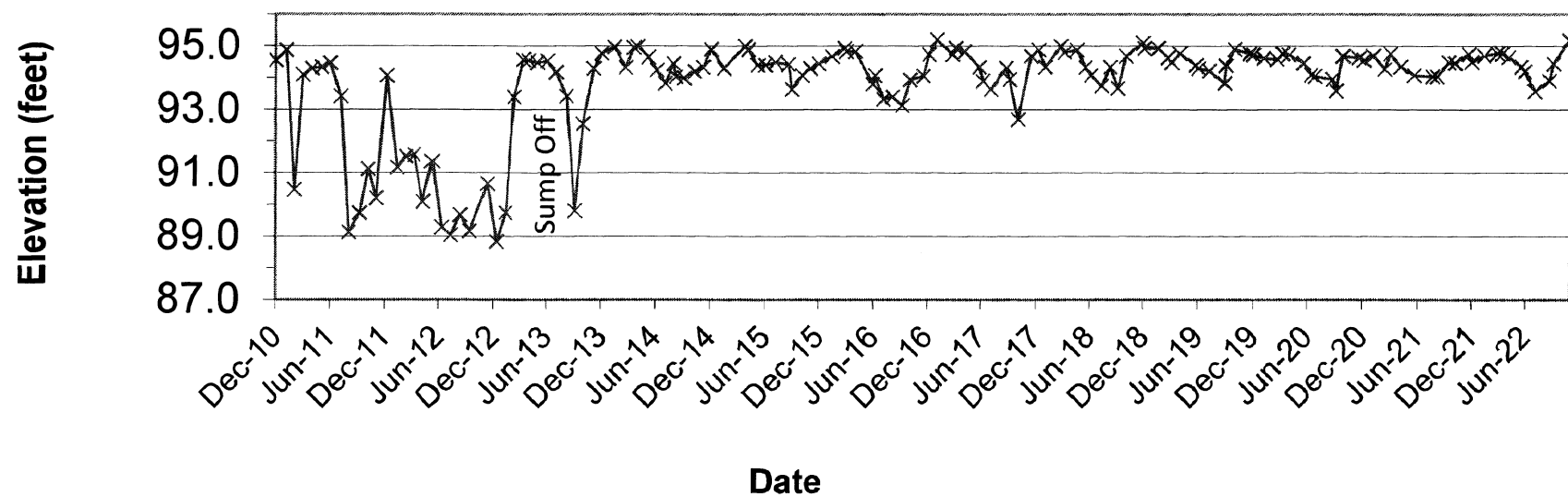


Figure 6. Groundwater Elevations MW-3

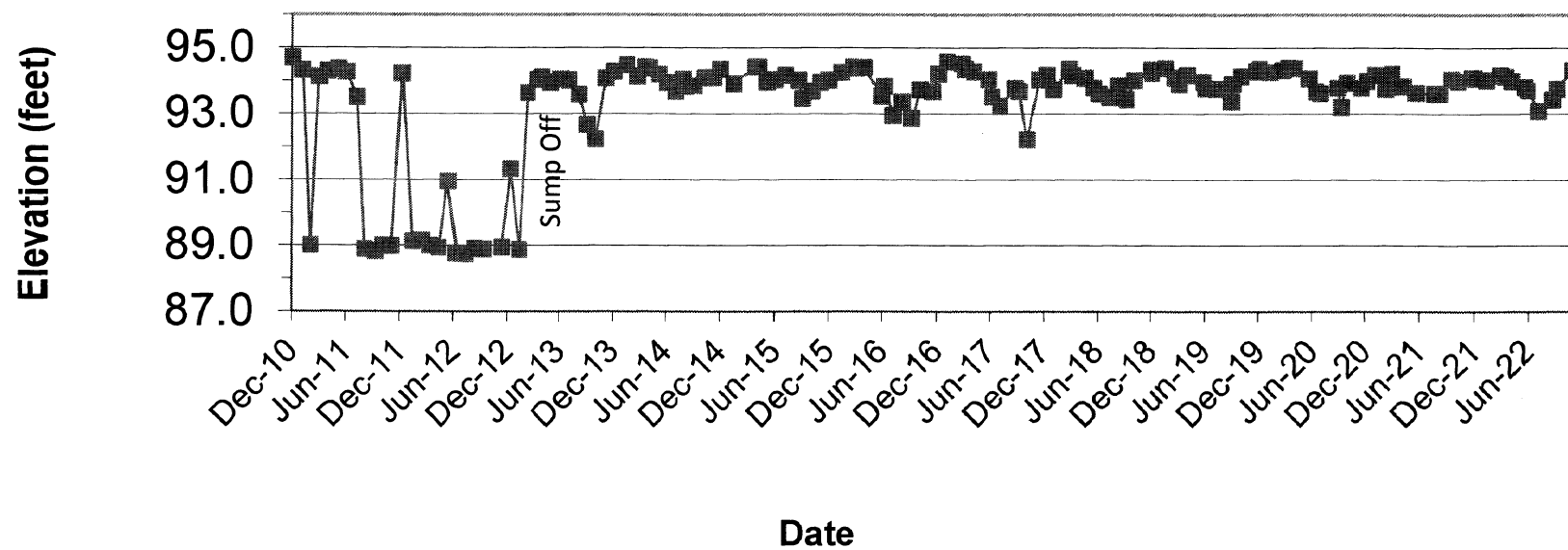


Figure 7. Groundwater Elevations MW-4

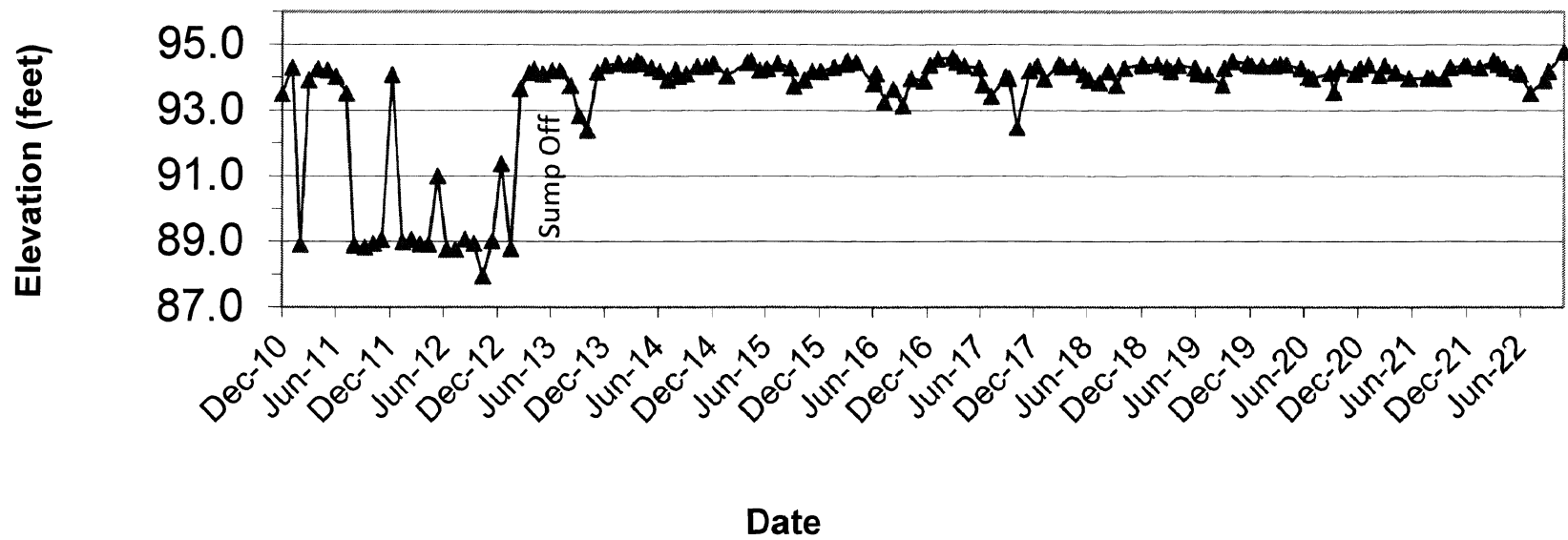


Figure 8. Groundwater Elevations MW-5

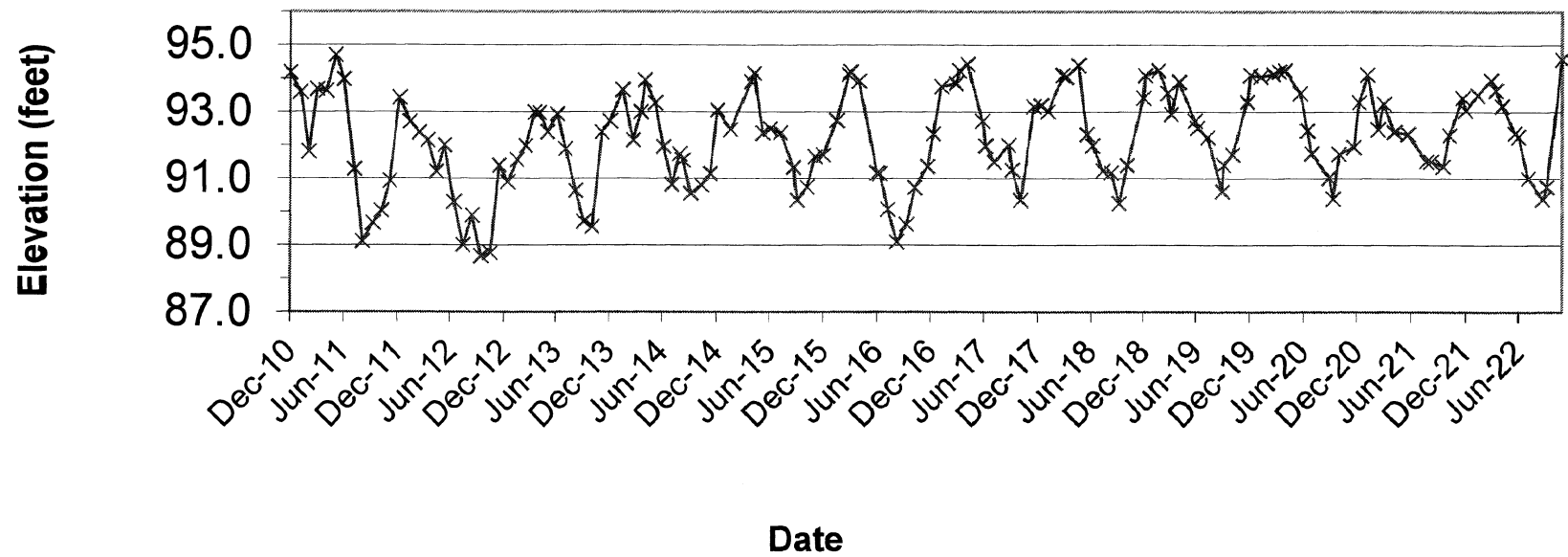


Figure 9. Groundwater Elevations MW-6

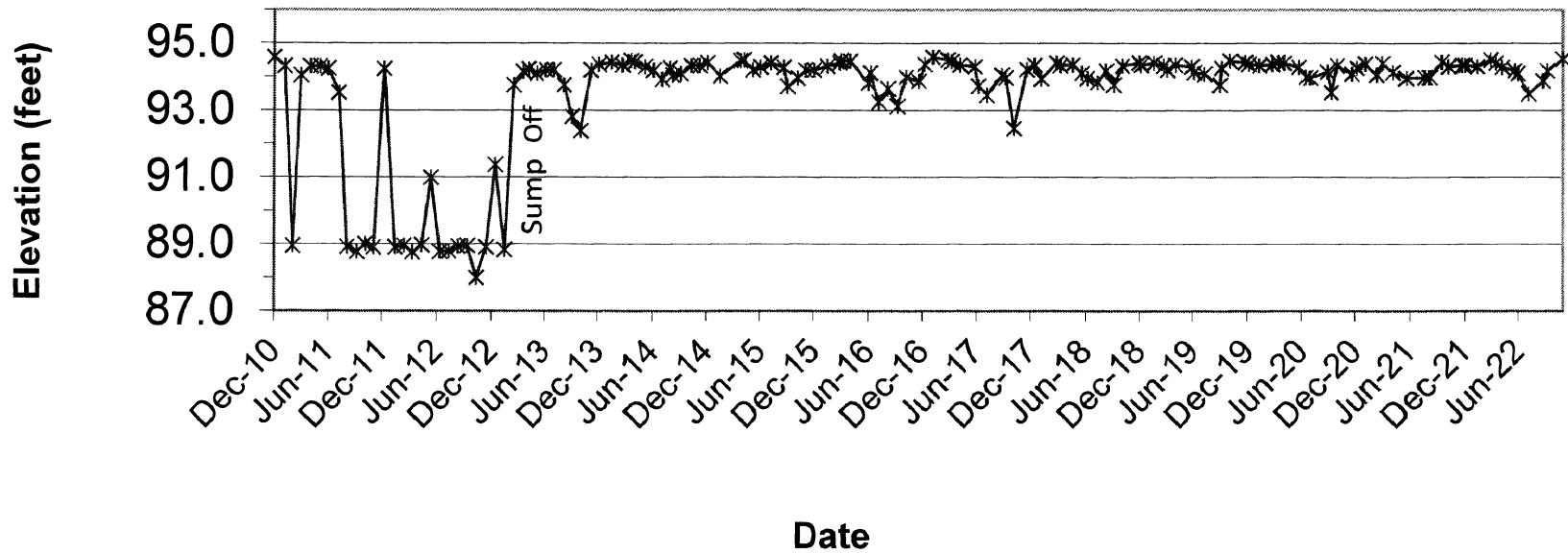
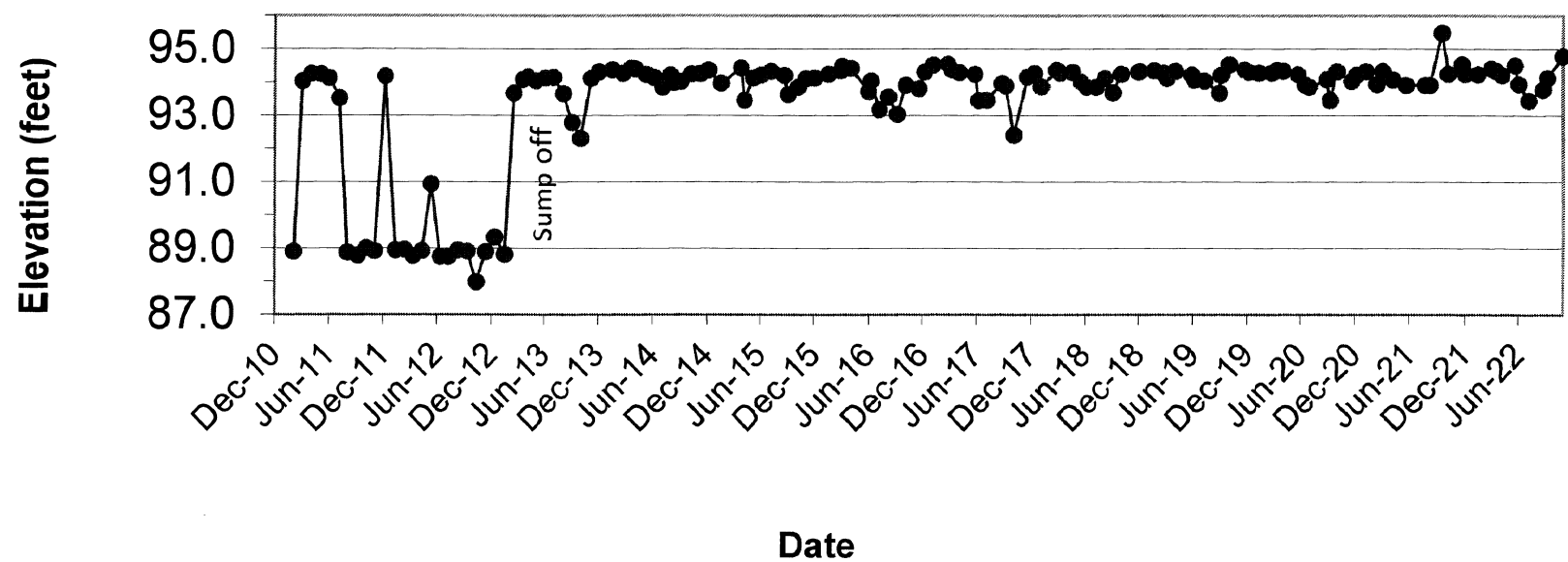
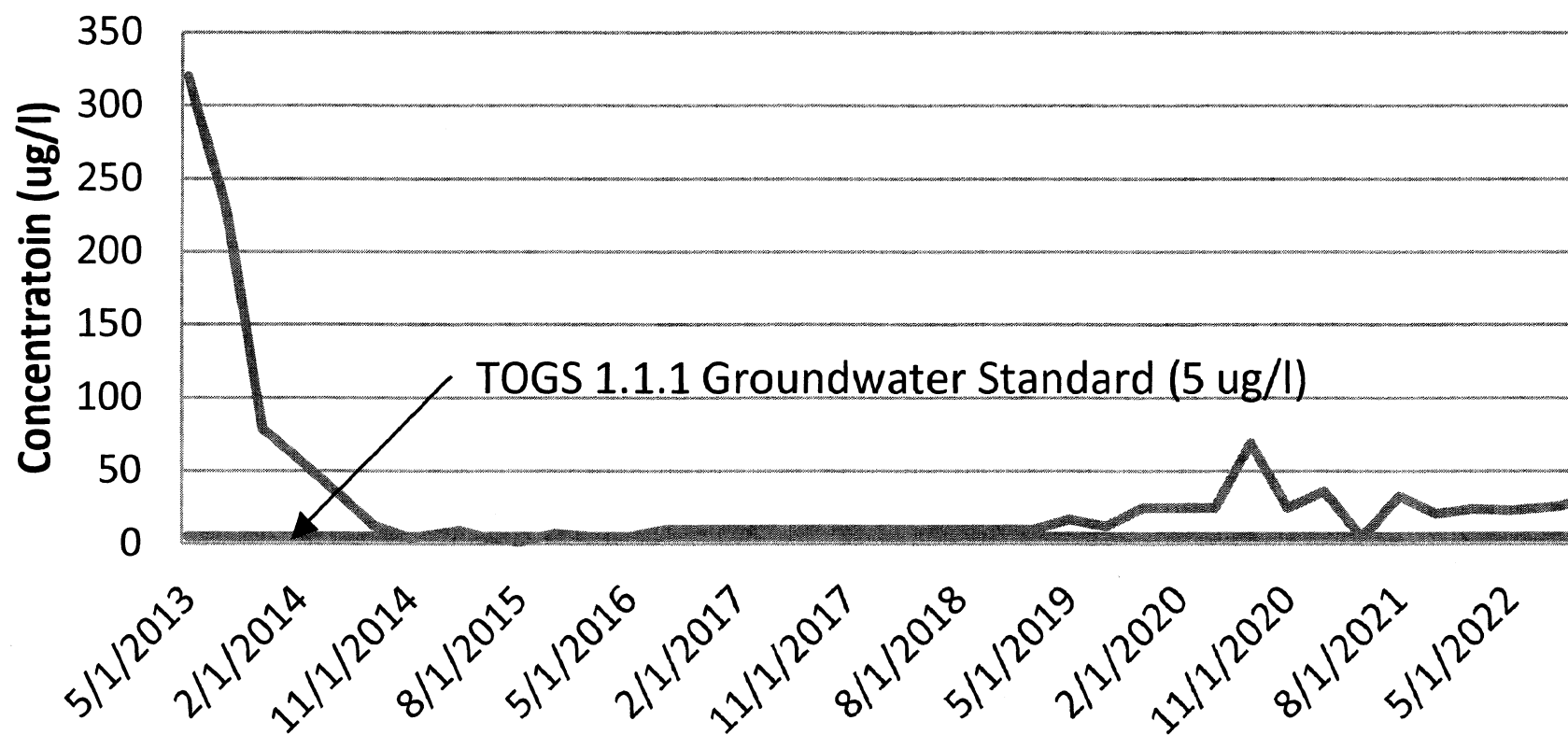


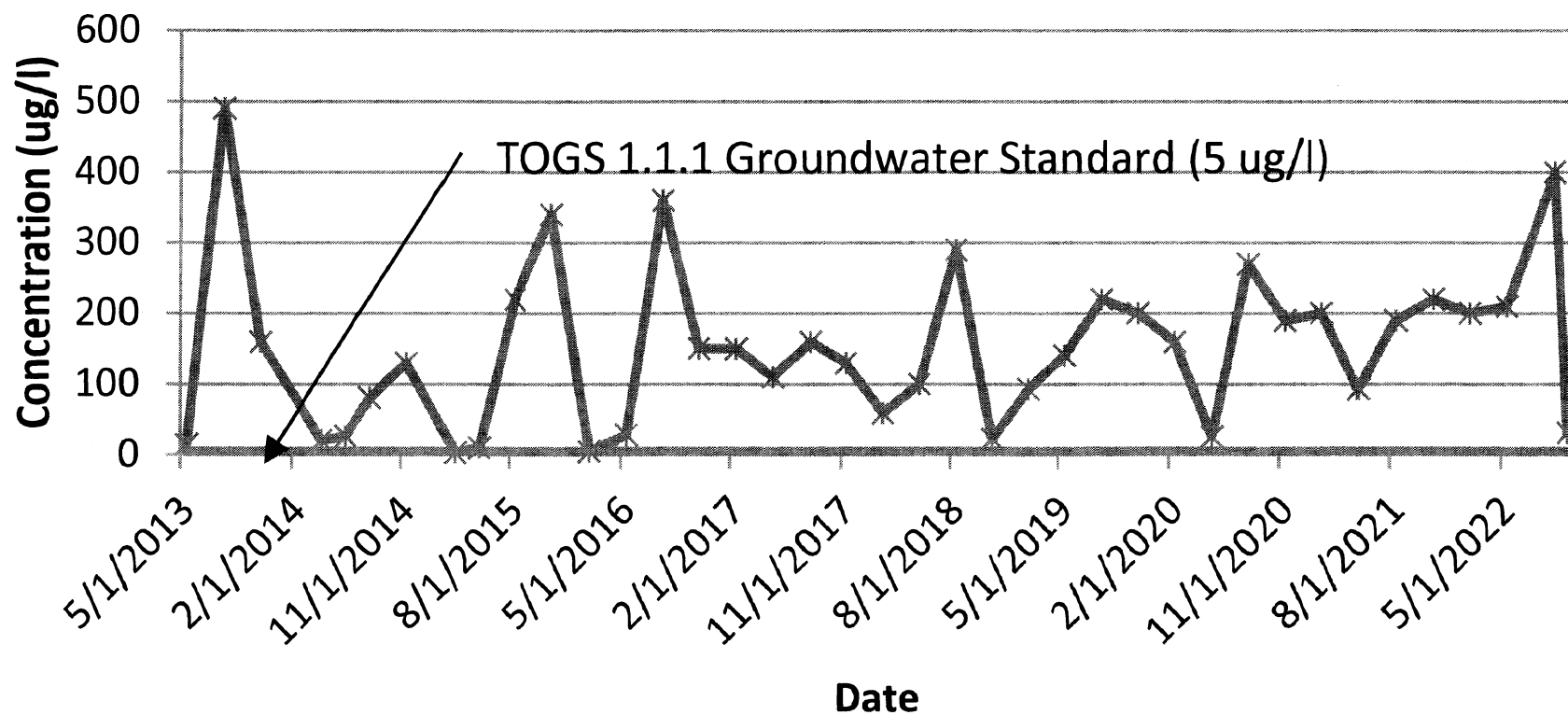
Figure 10. Groundwater Elevations MW-7



**Figure 11. Concentration of CFC 113
in Well MW-2B**



**Figure 12. Concentration of 1,1 DCA
in Well MW-2B**



**Figure 13. Concentration of TCE
in Well MW-2B**

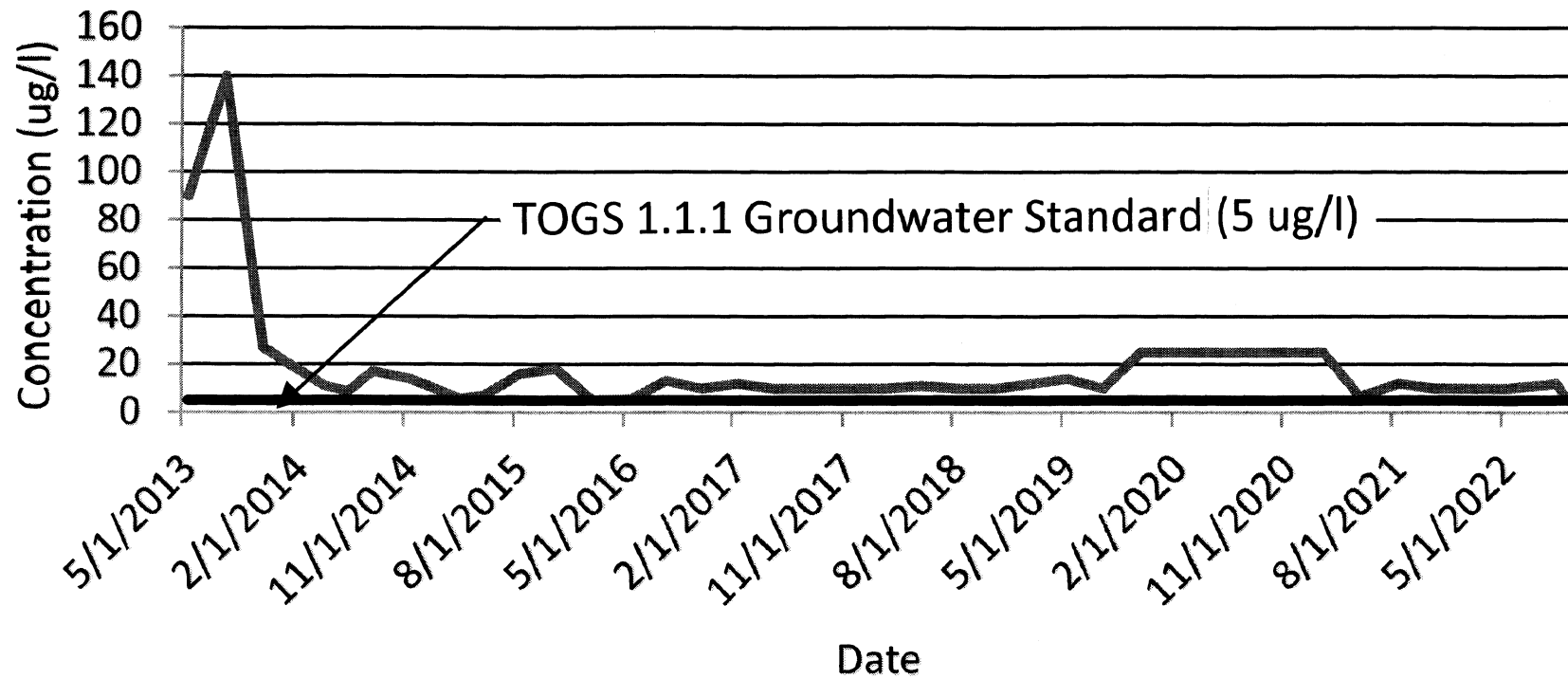
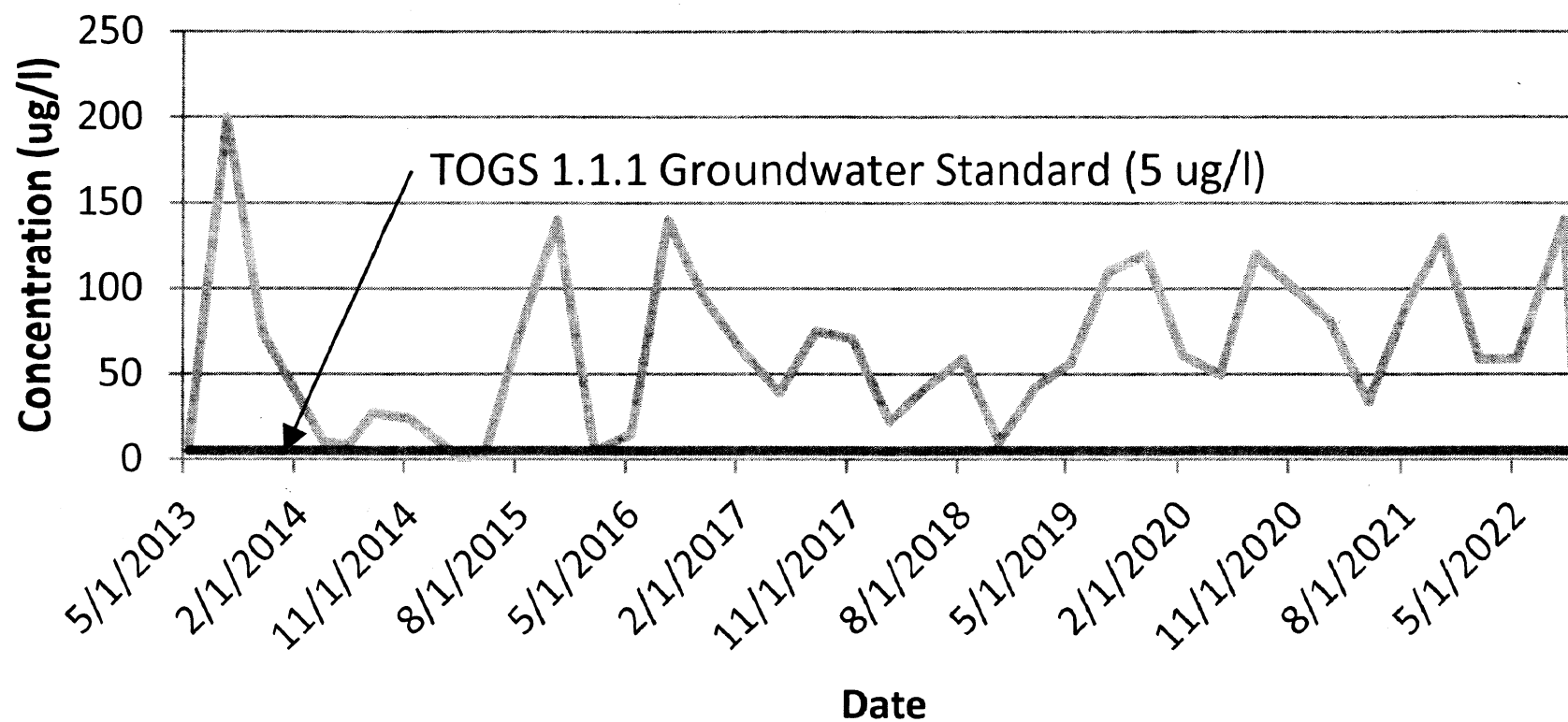
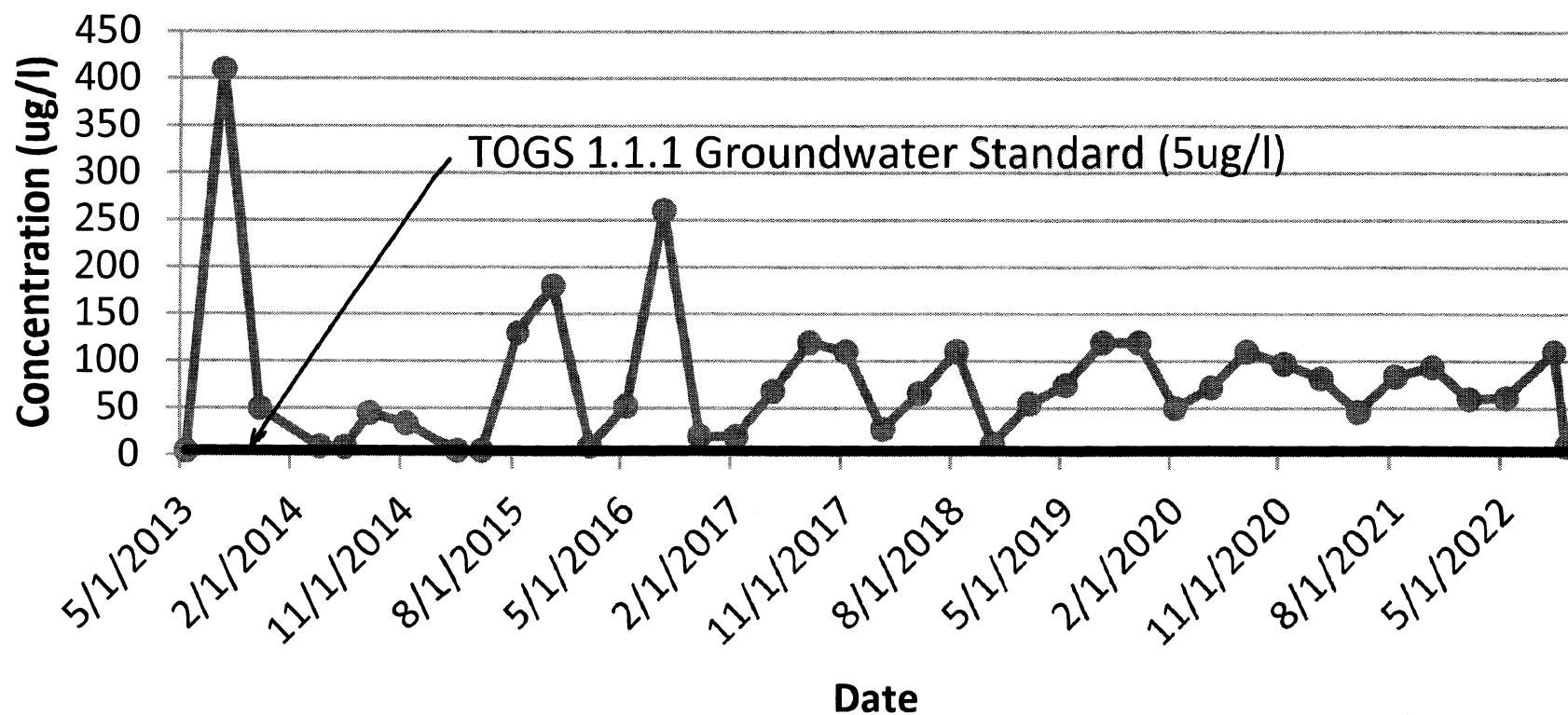


Figure 14. Concentration of Cis 1,2- Dichloroethene in Well MW-2B



**Figure 15. Concentration of Vinyl Chloride
in Well MW-2B**



APPENDIX

Field Forms
Laboratory Report



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-1B

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 16.81 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 4.39 ft.

Depth of Water Column: 12.42 ft.

Volume of Standing Water in Well: 2.2 gallons

Start of Purge: Date: 11/29/22 Time: 12:29

End of Purge: Date: 11/29/22 Time: 12:42

Total Volume Purge: 4 gallons Well Purged Dry?: Yes No

of Volumes Purged 2 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid, Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 11/30/22 Sample Time: 1:13 Depth to Water Surface 14.69 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 RD Ed	Oakton 300	STD. UNITS	7.08	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	6.34	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	916	
Temperature SM 2550 B 23 RD Ed	UEi 550	F	58	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-2A

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 25.50 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 8.54 ft.

Depth of Water Column: 16.96 ft.

Volume of Standing Water in Well: 2.9 gallons

Start of Purge: Date: 11/29/22 Time: 12:16

End of Purge: Date: 11/29/22 Time: 1:08

Total Volume Purge: 4.5 gallons Well Purged Dry? Yes No

of Volumes Purged 2 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid, Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 11/30/22 Sample Time: 1:30 Depth to Water Surface 11.42 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	<u>6.87</u>	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	<u>4.67</u>	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	µMHOS/CM	<u>2120</u>	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	<u>59</u>	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-2B

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 10.53 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 3.73 ft.

Depth of Water Column: 6.80 ft.

Volume of Standing Water in Well: 1.2 gallons

Start of Purge: Date: 11/29/22 Time: 12:48

End of Purge: Date: 11/29/22 Time: 12:55

Total Volume Purge: 2.5 gallons Well Purged Dry?: (Yes) No

of Volumes Purged 2 Purging Personnel: RON BLINGTON

Recharge Rate: Rapid, Slow, (Extremely Slow)

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 11/30/22 Sample Time: 1:37 Depth to Water Surface 4.55 ft.

Sample Appearance: CLEAR

Samples Preserved: (Yes) No

Sampling Personnel: RON BLINGTON

FIELD MEASUREMENTS

Meters Calibrated (Yes) No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	<u>7.18</u>	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	<u>19.4</u>	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	<u>1960</u>	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	<u>54</u>	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-3

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 11.74 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 5.33 ft.

Depth of Water Column: 6.41 ft.

Volume of Standing Water in Well: 1.1 gallons

Start of Purge: Date: 11/29/22 Time: 1:30

End of Purge: Date: 11/29/22 Time: 1:38

Total Volume Purge: 3.3 gallons Well Purged Dry?: Yes (No)

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: (Rapid) Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 11/30/22 Sample Time: 1:23 Depth to Water Surface 5.11 ft.

Sample Appearance: CLEAR

Samples Preserved: (Yes) No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated (Yes) No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	<u>7.61</u>	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	<u>5.43</u>	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	<u>897</u>	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	<u>46</u>	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-4

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 11.61 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 5.00 ft.

Depth of Water Column: 6.61 ft.

Volume of Standing Water in Well: 1.2 gallons

Start of Purge: Date: 11/29/22 Time: 1:44

End of Purge: Date: 11/29/22 Time: 1:56

Total Volume Purge: 3.6 gallons Well Purged Dry?: Yes (No)

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: (Rapid) Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 11/29/22 Sample Time: 12:26 Depth to Water Surface 4.62 ft. ^{RB}

Sample Appearance: CLEAR

Samples Preserved: (Yes) No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated (Yes) No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	7.28	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	3.75	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	1092	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	52	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-5

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 10.53 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 2.38 ft.

Depth of Water Column: 8.15 ft.

Volume of Standing Water in Well: 1.4 gallons

Start of Purge: Date: 11/29/22 Time: 2:15

End of Purge: Date: 11/29/22 Time: 2:25

Total Volume Purge: 4.2 gallons Well Purged Dry?: Yes (No)

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: (Rapid) Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 11/30/22 Sample Time: 12:17 Depth to Water Surface 2.22 ft.

Sample Appearance: CLEAR

Samples Preserved: (Yes) No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated (Yes) No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	6.75	(6.78)
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	13.5	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	819	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	47	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-6

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 14.26 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 4.90 ft.

Depth of Water Column: 9.36 ft.

Volume of Standing Water in Well: 1.6 gallons

Start of Purge: Date: 11/29/22 Time: 1:56

End of Purge: Date: 11/29/22 Time: 2:06

Total Volume Purge: 4.8 gallons Well Purged Dry?: Yes No

of Volumes Purged 3 Purging Personnel: REN BLINSTON

Recharge Rate: Rapid Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 11/30/22 Sample Time: 12:37 Depth to Water Surface 4.55 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No

Sampling Personnel: REN BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	7.49	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	4.21	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	µMHOS/CM	923	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	55	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-7

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 12.04 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 2.64 ft.

Depth of Water Column: 9.40 ft.

Volume of Standing Water in Well: 1.6 gallons

Start of Purge: Date: 11/29/22 Time: 1:14

End of Purge: Date: 11/29/22 Time: 1:25

Total Volume Purge: 4.8 gallons Well Purged Dry?: Yes ☒ No

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid ☒ Slow ☐ Extremely Slow ☐

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 11/30/22 Sample Time: 12:55 Depth to Water Surface 2.64 ft.

Sample Appearance: TURBID DUE TO PARKING LOT RUNOFF

Samples Preserved: ☒ Yes ☐ No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated ☒ Yes ☐ No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	<u>7.72</u>	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	<u>172</u>	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	<u>1285</u>	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	<u>49</u>	

Weather: _____

Notes: SUMP 5.59



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-1B Date: 11/29/22

Inspectors Name (Print): Ron Blinston
Inspector's Company: Frontier Technical Associates, Inc.
Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
Lock Functioning:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA ^{KB}
Tubing OK:	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
Protective Casing OK:	Yes <input type="radio"/> No <input checked="" type="radio"/> NA
Concrete Pad in Good Condition:	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
Heaving of Well or Casing:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Well Sand in Purge Water:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Well Constricted:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Debris in Well:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Insects in Well:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA Type: _____
Wind Blown Dust inside Protective Casing:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-2A Date: 11/29/22

Inspectors Name (Print): Row BLINSTON
Inspector's Company: Frontier Technical Associates, Inc.
Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Lock Functioning:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Tubing OK:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Protective Casing OK:	Yes	<input type="radio"/> No	<input checked="" type="radio"/> NA
Concrete Pad in Good Condition:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Heaving of Well or Casing:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Well Sand in Purge Water:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Well Constricted:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Debris in Well:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Insects in Well:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA Type: _____
Wind Blown Dust inside Protective Casing:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-2B

Date: 11/29/22

Inspectors Name (Print): RON BLINSTON

Inspector's Company: Frontier Technical Associates, Inc.

Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:

Yes ☒ No NA

Lock Functioning:

Yes No ☒ NA

Bailer and Rope OK:

☒ Yes No NA

Tubing OK:

☒ Yes No NA

Protective Casing OK:

Yes No ☒ NA

Concrete Pad in Good Condition:

☒ Yes No NA

Heaving of Well or Casing:

Yes ☒ No NA

Well Sand in Purge Water:

Yes ☒ No NA

Well Constricted:

Yes ☒ No NA

Debris in Well:

Yes ☒ No NA

Insects in Well:

Yes ☒ No NA Type: _____

Wind Blown Dust inside Protective Casing:

Yes ☒ No NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-3 Date: 11/29/22

Inspectors Name (Print): RON BLINSTON
Inspector's Company: Frontier Technical Associates, Inc.
Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	Yes	<input checked="" type="radio"/> No	NA
Lock Functioning:	Yes	<input checked="" type="radio"/> No	NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes	No	NA
Tubing OK:	<input checked="" type="radio"/> Yes	No	NA
Protective Casing OK:	<input checked="" type="radio"/> Yes	No	NA
Concrete Pad in Good Condition:	Yes	<input checked="" type="radio"/> No	NA
Heaving of Well or Casing:	Yes	<input checked="" type="radio"/> No	NA
Well Sand in Purge Water:	Yes	<input checked="" type="radio"/> No	NA
Well Constricted:	Yes	<input checked="" type="radio"/> No	NA
Debris in Well:	Yes	<input checked="" type="radio"/> No	NA
Insects in Well:	Yes	<input checked="" type="radio"/> No	NA Type: _____
Wind Blown Dust inside Protective Casing:	Yes	<input checked="" type="radio"/> No	NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: RON BLINSTON



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-4 Date: 11/29/22

Inspectors Name (Print): RON BLINSON
Inspector's Company: Frontier Technical Associates, Inc.
Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
Lock Functioning:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
Tubing OK:	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
Protective Casing OK:	Yes <input type="radio"/> No <input checked="" type="radio"/> NA
Concrete Pad in Good Condition:	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
Heaving of Well or Casing:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Well Sand in Purge Water:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Well Constricted:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Debris in Well:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Insects in Well:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA Type: _____
Wind Blown Dust inside Protective Casing:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-5 Date: 11/29/22

Inspectors Name (Print): RON BLINSTON
Inspector's Company: Frontier Technical Associates, Inc.
Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Lock Functioning:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Tubing OK:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Protective Casing OK:	Yes	<input type="radio"/> No	<input checked="" type="radio"/> NA
Concrete Pad in Good Condition:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Heaving of Well or Casing:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Well Sand in Purge Water:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Well Constricted:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Debris in Well:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Insects in Well:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA Type: _____
Wind Blown Dust inside Protective Casing:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-6 Date: 11/29/22

Inspectors Name (Print): RON BLINDSTON
Inspector's Company: Frontier Technical Associates, Inc.
Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	Yes	<input checked="" type="radio"/> No	NA
Lock Functioning:	Yes	<input checked="" type="radio"/> No	NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes	No	NA
Tubing OK:	<input checked="" type="radio"/> Yes	No	NA
Protective Casing OK:	Yes	No	<input checked="" type="radio"/> NA
Concrete Pad in Good Condition:	<input checked="" type="radio"/> Yes	No	NA
Heaving of Well or Casing:	Yes	<input checked="" type="radio"/> No	NA
Well Sand in Purge Water:	Yes	<input checked="" type="radio"/> No	NA
Well Constricted:	Yes	<input checked="" type="radio"/> No	NA
Debris in Well:	Yes	<input checked="" type="radio"/> No	NA
Insects in Well:	Yes	<input checked="" type="radio"/> No	NA Type: _____
Wind Blown Dust inside Protective Casing:	Yes	<input checked="" type="radio"/> No	NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-7 Date: 11/29/22

Inspectors Name (Print): RON BLINSTON
Inspector's Company: Frontier Technical Associates, Inc.
Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	Yes	<input checked="" type="radio"/> No	NA
Lock Functioning:	Yes	<input checked="" type="radio"/> No	NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes	No	NA
Tubing OK:	<input checked="" type="radio"/> Yes	No	NA
Protective Casing OK:	Yes	No	<input checked="" type="radio"/> NA
Concrete Pad in Good Condition:	<input checked="" type="radio"/> Yes	No	NA
Heaving of Well or Casing:	Yes	<input checked="" type="radio"/> No	NA
Well Sand in Purge Water:	Yes	<input checked="" type="radio"/> No	NA
Well Constricted:	Yes	<input checked="" type="radio"/> No	NA
Debris in Well:	Yes	<input checked="" type="radio"/> No	NA
Insects in Well:	Yes	<input checked="" type="radio"/> No	NA Type: _____
Wind Blown Dust inside Protective Casing:	Yes	<input checked="" type="radio"/> No	NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: _____



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, NY 14221

Moog Groundwater Calibration Record

Date: 11/30/22

Time: 11:18 am

			Standard Expires
pH Calibration: Temp:	<u>17.8 °C</u>	Buffers: 7.0	<u>7.00</u> 2/21/2024
Instrument ID:	<u>#5</u>	10.0	<u>10.09</u> 12/28/2023
		Check 4.0	<u>3.99</u> 3/04/2024

Turbidity: Cal. Check Std: 20 NTU Reading: 20 02/2023
Instrument ID: B must be +/- 10% of true value

Method Blank: 0.30

Post- Sampling Cal. Check Std: 20 NTU Reading: 21 02/2023
Instrument ID: B must be +/- 10% of true value

Specific Conductivity Cal. Check Std: 1413 umhos/cm

Instrument ID: CON 6 Reading: 1413 02/21/2023

Field Analyst: [Signature]



Experience is the solution

314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

December 06, 2022

Kathy Wager
Frontier Technical Associates
8675 Main Street
Williamsville, NY 14221
TEL: (716) 634-2293

Work Order No: 221201004

RE: Plant M-GW
GW ET-979

Adirondack Environmental Services, Inc received 8 samples on 12/1/2022 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Director

Adirondack Environmental Services, Inc

CASE NARRATIVE

Frontier Technical Associates

Date: 06-Dec-22

Plant M-GW

Lab WorkOrder: 221201004

GW ET-979

Sample containers were supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:	ND : Not Detected at reporting limit	C: CCV below acceptable Limits
	J: Analyte detected below quantitation limit	C+: CCV above acceptable Limits
	B: Analyte detected in Blank	S: LCS Spike recovery is below acceptable limits
	X : Exceeds maximum contamination limit	S+: LCS Spike recovery is above acceptable limits
	H: Hold time exceeded	Z: Duplication outside acceptable limits
	N: Matrix Spike below acceptable limits	T : Tentatively Identified Compound-Estimated
	N+: Matrix Spike is above acceptable limits	E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-1B1130
Collection Date: 11/30/2022 1:13:00 PM
Lab Sample ID: 221201004-001
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	12/5/2022 8:45:00 PM
Bromomethane	ND	10		µg/L	1	12/5/2022 8:45:00 PM
Vinyl chloride	ND	10		µg/L	1	12/5/2022 8:45:00 PM
Chloroethane	ND	10		µg/L	1	12/5/2022 8:45:00 PM
Methylene chloride	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Acetone	ND	10		µg/L	1	12/5/2022 8:45:00 PM
Carbon disulfide	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Chloroform	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
2-Butanone	ND	10		µg/L	1	12/5/2022 8:45:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Trichloroethene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Benzene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Bromoform	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/5/2022 8:45:00 PM
2-Hexanone	ND	10		µg/L	1	12/5/2022 8:45:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Toluene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Chlorobenzene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Ethylbenzene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Styrene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
m,p-Xylene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
o-Xylene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	12/5/2022 8:45:00 PM
Methyl Acetate	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-1B1130
Collection Date: 11/30/2022 1:13:00 PM
Lab Sample ID: 221201004-001
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	12/5/2022 8:45:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	12/5/2022 8:45:00 PM
Surr: 1,2-Dichloroethane-d4	93.2	74-127		%REC	1	12/5/2022 8:45:00 PM
Surr: 4-Bromofluorobenzene	96.0	74-128		%REC	1	12/5/2022 8:45:00 PM
Surr: Toluene-d8	107	75-127		%REC	1	12/5/2022 8:45:00 PM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2A1130
Collection Date: 11/30/2022 1:30:00 PM
Lab Sample ID: 221201004-002
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	12/5/2022 9:07:00 PM
Bromomethane	ND	10		µg/L	1	12/5/2022 9:07:00 PM
Vinyl chloride	ND	10		µg/L	1	12/5/2022 9:07:00 PM
Chloroethane	ND	10		µg/L	1	12/5/2022 9:07:00 PM
Methylene chloride	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Acetone	ND	10		µg/L	1	12/5/2022 9:07:00 PM
Carbon disulfide	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Chloroform	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
2-Butanone	ND	10		µg/L	1	12/5/2022 9:07:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Trichloroethene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Benzene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Bromoform	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/5/2022 9:07:00 PM
2-Hexanone	ND	10		µg/L	1	12/5/2022 9:07:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Toluene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Chlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Ethylbenzene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Styrene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
m,p-Xylene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
o-Xylene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	12/5/2022 9:07:00 PM
Methyl Acetate	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2A1130
Collection Date: 11/30/2022 1:30:00 PM
Lab Sample ID: 221201004-002
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	12/5/2022 9:07:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:07:00 PM
Surr: 1,2-Dichloroethane-d4	92.4	74-127		%REC	1	12/5/2022 9:07:00 PM
Surr: 4-Bromofluorobenzene	121	74-128		%REC	1	12/5/2022 9:07:00 PM
Surr: Toluene-d8	111	75-127		%REC	1	12/5/2022 9:07:00 PM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2B1130
Collection Date: 11/30/2022 1:37:00 PM
Lab Sample ID: 221201004-003
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	20		µg/L	2	12/6/2022 1:51:00 AM
Bromomethane	ND	20		µg/L	2	12/6/2022 1:51:00 AM
Vinyl chloride	ND	20		µg/L	2	12/6/2022 1:51:00 AM
Chloroethane	ND	20		µg/L	2	12/6/2022 1:51:00 AM
Methylene chloride	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Acetone	ND	20		µg/L	2	12/6/2022 1:51:00 AM
Carbon disulfide	ND	10		µg/L	2	12/6/2022 1:51:00 AM
1,1-Dichloroethene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
1,1-Dichloroethane	31	10		µg/L	2	12/6/2022 1:51:00 AM
trans-1,2-Dichloroethene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
cis-1,2-Dichloroethene	12	10		µg/L	2	12/6/2022 1:51:00 AM
Chloroform	ND	10		µg/L	2	12/6/2022 1:51:00 AM
1,2-Dichloroethane	ND	10		µg/L	2	12/6/2022 1:51:00 AM
2-Butanone	ND	20		µg/L	2	12/6/2022 1:51:00 AM
1,1,1-Trichloroethane	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Carbon tetrachloride	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Bromodichloromethane	ND	10		µg/L	2	12/6/2022 1:51:00 AM
1,2-Dichloropropane	ND	10		µg/L	2	12/6/2022 1:51:00 AM
cis-1,3-Dichloropropene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Trichloroethene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Dibromochloromethane	ND	10		µg/L	2	12/6/2022 1:51:00 AM
1,1,2-Trichloroethane	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Benzene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
trans-1,3-Dichloropropene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Bromoform	ND	10		µg/L	2	12/6/2022 1:51:00 AM
4-Methyl-2-pentanone	ND	20		µg/L	2	12/6/2022 1:51:00 AM
2-Hexanone	ND	20		µg/L	2	12/6/2022 1:51:00 AM
Tetrachloroethene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Toluene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Chlorobenzene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Ethylbenzene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Styrene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
m,p-Xylene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
o-Xylene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Methyl tert-butyl ether	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Dichlorodifluoromethane	ND	20		µg/L	2	12/6/2022 1:51:00 AM
Methyl Acetate	ND	10		µg/L	2	12/6/2022 1:51:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	28	10		µg/L	2	12/6/2022 1:51:00 AM
Trichlorofluoromethane	ND	10		µg/L	2	12/6/2022 1:51:00 AM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2B1130
Collection Date: 11/30/2022 1:37:00 PM
Lab Sample ID: 221201004-003
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Methyl Cyclohexane	ND	10		µg/L	2	12/6/2022 1:51:00 AM
1,2-Dibromoethane	ND	10		µg/L	2	12/6/2022 1:51:00 AM
1,3-Dichlorobenzene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Isopropylbenzene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
1,2-Dichlorobenzene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
1,4-Dichlorobenzene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	2	12/6/2022 1:51:00 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	2	12/6/2022 1:51:00 AM
Surr: 1,2-Dichloroethane-d4	88.2	74-127		%REC	2	12/6/2022 1:51:00 AM
Surr: 4-Bromofluorobenzene	109	74-128		%REC	2	12/6/2022 1:51:00 AM
Surr: Toluene-d8	114	75-127		%REC	2	12/6/2022 1:51:00 AM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-31130
Collection Date: 11/30/2022 1:23:00 PM
Lab Sample ID: 221201004-004
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	12/5/2022 9:29:00 PM
Bromomethane	ND	10		µg/L	1	12/5/2022 9:29:00 PM
Vinyl chloride	ND	10		µg/L	1	12/5/2022 9:29:00 PM
Chloroethane	ND	10		µg/L	1	12/5/2022 9:29:00 PM
Methylene chloride	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Acetone	ND	10		µg/L	1	12/5/2022 9:29:00 PM
Carbon disulfide	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Chloroform	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
2-Butanone	ND	10		µg/L	1	12/5/2022 9:29:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Trichloroethene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Benzene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Bromoform	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/5/2022 9:29:00 PM
2-Hexanone	ND	10		µg/L	1	12/5/2022 9:29:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Toluene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Chlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Ethylbenzene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Styrene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
m,p-Xylene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
o-Xylene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	12/5/2022 9:29:00 PM
Methyl Acetate	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-31130
Collection Date: 11/30/2022 1:23:00 PM
Lab Sample ID: 221201004-004
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	12/5/2022 9:29:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:29:00 PM
Surr: 1,2-Dichloroethane-d4	87.9	74-127		%REC	1	12/5/2022 9:29:00 PM
Surr: 4-Bromofluorobenzene	118	74-128		%REC	1	12/5/2022 9:29:00 PM
Surr: Toluene-d8	112	75-127		%REC	1	12/5/2022 9:29:00 PM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-41130
Collection Date: 11/30/2022 12:26:00 PM
Lab Sample ID: 221201004-005
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	12/5/2022 9:50:00 PM
Bromomethane	ND	10		µg/L	1	12/5/2022 9:50:00 PM
Vinyl chloride	ND	10		µg/L	1	12/5/2022 9:50:00 PM
Chloroethane	ND	10		µg/L	1	12/5/2022 9:50:00 PM
Methylene chloride	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Acetone	ND	10		µg/L	1	12/5/2022 9:50:00 PM
Carbon disulfide	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Chloroform	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
2-Butanone	ND	10		µg/L	1	12/5/2022 9:50:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Trichloroethene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Benzene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Bromoform	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/5/2022 9:50:00 PM
2-Hexanone	ND	10		µg/L	1	12/5/2022 9:50:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Toluene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Chlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Ethylbenzene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Styrene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
m,p-Xylene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
o-Xylene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	12/5/2022 9:50:00 PM
Methyl Acetate	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-41130
Collection Date: 11/30/2022 12:26:00 PM
Lab Sample ID: 221201004-005
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	12/5/2022 9:50:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	12/5/2022 9:50:00 PM
Surr: 1,2-Dichloroethane-d4	89.8	74-127		%REC	1	12/5/2022 9:50:00 PM
Surr: 4-Bromofluorobenzene	143	74-128	S	%REC	1	12/5/2022 9:50:00 PM
Surr: Toluene-d8	116	75-127		%REC	1	12/5/2022 9:50:00 PM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-51130
Collection Date: 11/30/2022 12:14:00 PM
Lab Sample ID: 221201004-006
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	12/5/2022 10:12:00 PM
Bromomethane	ND	10		µg/L	1	12/5/2022 10:12:00 PM
Vinyl chloride	ND	10		µg/L	1	12/5/2022 10:12:00 PM
Chloroethane	ND	10		µg/L	1	12/5/2022 10:12:00 PM
Methylene chloride	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Acetone	ND	10		µg/L	1	12/5/2022 10:12:00 PM
Carbon disulfide	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Chloroform	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
2-Butanone	ND	10		µg/L	1	12/5/2022 10:12:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Trichloroethene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Benzene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Bromoform	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/5/2022 10:12:00 PM
2-Hexanone	ND	10		µg/L	1	12/5/2022 10:12:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Toluene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Chlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Ethylbenzene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Styrene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
m,p-Xylene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
o-Xylene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	12/5/2022 10:12:00 PM
Methyl Acetate	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-51130
Collection Date: 11/30/2022 12:14:00 PM
Lab Sample ID: 221201004-006
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	12/5/2022 10:12:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:12:00 PM
Surr: 1,2-Dichloroethane-d4	88.9	74-127		%REC	1	12/5/2022 10:12:00 PM
Surr: 4-Bromofluorobenzene	122	74-128		%REC	1	12/5/2022 10:12:00 PM
Surr: Toluene-d8	114	75-127		%REC	1	12/5/2022 10:12:00 PM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-61130
Collection Date: 11/30/2022 12:33:00 PM
Lab Sample ID: 221201004-007
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	12/5/2022 10:34:00 PM
Bromomethane	ND	10		µg/L	1	12/5/2022 10:34:00 PM
Vinyl chloride	ND	10		µg/L	1	12/5/2022 10:34:00 PM
Chloroethane	ND	10		µg/L	1	12/5/2022 10:34:00 PM
Methylene chloride	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Acetone	ND	10		µg/L	1	12/5/2022 10:34:00 PM
Carbon disulfide	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Chloroform	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
2-Butanone	ND	10		µg/L	1	12/5/2022 10:34:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Trichloroethene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Benzene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Bromoform	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/5/2022 10:34:00 PM
2-Hexanone	ND	10		µg/L	1	12/5/2022 10:34:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Toluene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Chlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Ethylbenzene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Styrene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
m,p-Xylene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
o-Xylene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	12/5/2022 10:34:00 PM
Methyl Acetate	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-61130
Collection Date: 11/30/2022 12:33:00 PM
Lab Sample ID: 221201004-007
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	12/5/2022 10:34:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:34:00 PM
Surr: 1,2-Dichloroethane-d4	91.8	74-127		%REC	1	12/5/2022 10:34:00 PM
Surr: 4-Bromofluorobenzene	122	74-128		%REC	1	12/5/2022 10:34:00 PM
Surr: Toluene-d8	115	75-127		%REC	1	12/5/2022 10:34:00 PM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-71130
Collection Date: 11/30/2022 12:55:00 PM
Lab Sample ID: 221201004-008
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Chloromethane	ND	10		µg/L	1	12/5/2022 10:55:00 PM
Bromomethane	ND	10		µg/L	1	12/5/2022 10:55:00 PM
Vinyl chloride	ND	10		µg/L	1	12/5/2022 10:55:00 PM
Chloroethane	ND	10		µg/L	1	12/5/2022 10:55:00 PM
Methylene chloride	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Acetone	ND	10		µg/L	1	12/5/2022 10:55:00 PM
Carbon disulfide	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Chloroform	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
2-Butanone	ND	10		µg/L	1	12/5/2022 10:55:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Trichloroethene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Benzene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Bromoform	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/5/2022 10:55:00 PM
2-Hexanone	ND	10		µg/L	1	12/5/2022 10:55:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Toluene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Chlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Ethylbenzene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Styrene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
m,p-Xylene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
o-Xylene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	12/5/2022 10:55:00 PM
Methyl Acetate	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM

Adirondack Environmental Services, Inc

Date: 06-Dec-22

CLIENT: Frontier Technical Associates
Work Order: 221201004
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-71130
Collection Date: 11/30/2022 12:55:00 PM
Lab Sample ID: 221201004-008
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: SMD
Cyclohexane	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	12/5/2022 10:55:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	12/5/2022 10:55:00 PM
Surr: 1,2-Dichloroethane-d4	90.1	74-127		%REC	1	12/5/2022 10:55:00 PM
Surr: 4-Bromofluorobenzene	138	74-128	S	%REC	1	12/5/2022 10:55:00 PM
Surr: Toluene-d8	116	75-127		%REC	1	12/5/2022 10:55:00 PM



Experience is the solution

314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

- (a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.**'s performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.
- (b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.
- (c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.
- (d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.
- (e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**
- (f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.
- (g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.



FRONTIER TECHNICAL ASSOCIATES, INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

Environmental Monitoring and Consulting

**GROUNDWATER MONITORING REPORT
FOR
MOOG SITE
ELMA, NEW YORK
FIRST QUARTER 2023**

ET-979-23-01

February 27, 2023

Prepared for:

Mr. Christopher Russin
Moog, Inc.
160 Jamison Road
East Aurora, NY 14052

Prepared by:

Frontier Technical Associates, Inc.
8675 Main Street
Williamsville, NY 14221

TABLE OF CONTENTS

ITEM	Page No.
INTRODUCTION	1
Purpose	1
MONITORING SYSTEM	1
MONITORING METHODS	1
Sampling Procedures	1
Quality Assurance and Quality Control	2
MONITORING RESULTS	2
Water Quality Data	2
Sample Holding Times	2
Laboratory Method Blank Analysis	2
Data Usability	3
GROUNDWATER FLOW	3
EVALUATION OF MONITORING RESULTS	3

**GROUNDWATER MONITORING REPORT
FOR
MOOG SITE
ELMA, NEW YORK
FIRST QUARTER 2023**

INTRODUCTION

Purpose

The purpose of this report is to document the groundwater conditions in eight wells at Moog, Inc. in support of a delisting of the site with NYSDEC. The wells are to be monitored quarterly and the results of the sampling and analysis are to be reported to Moog. Frontier Technical Associates, Inc. (FTA) has been contracted to provide monitoring and sampling. This report is to document the monitoring and analysis for the First Quarter of 2023.

MONITORING SYSTEM

The groundwater monitoring system consists of eight wells. The wells are located as shown on Figure 1 and are designated as follows:

MW-1B	MW-2A	MW-2B	MW-3
MW-4	MW-5	MW-6	MW-7

The historical and current groundwater elevations are presented on Table 1.

MONITORING METHODS

Groundwater samples were obtained from the eight wells. The samples were collected by Frontier Technical Associates, Inc. (FTA) under contract to Moog, Inc. The samples were analyzed by AES, Inc. under subcontract to Frontier Technical Associates.

Sampling Procedures

The wells were sampled in accordance with the standard procedures specified by Moog, Inc. Prior to purging and sampling, the groundwater surface level was obtained. The wells were then purged to remove a minimum of three well volumes of standing water or until dry. All the wells were purged using dedicated

polyethylene tubing connected to a peristaltic pump. The quantity of groundwater purged was measured.

The samples were collected with dedicated bailers. Samples for laboratory analysis were collected in pre-labeled glass vials as appropriate for the analysis. The samples were cooled to $\leq 6^{\circ}\text{C}$ for shipment to the laboratory. The samples were transported to AES under proper chain-of-custody.

Field measurements for pH, specific conductance, temperature and turbidity were made immediately upon sample collection. Meters were calibrated prior to use. The results of the field measurements are presented on Table 2. The field data collection forms are presented in the Appendix to document the work at this site.

Quality Assurance and Quality Control

Frontier Technical Associates, Inc. implemented the following quality assurance and quality control measures during this monitoring event to help ensure the quality and reliability of the data obtained:

- Laboratory surrogate recoveries were checked. Matrix spike and matrix spike duplicate data are presented in the complete laboratory report in the Appendix. A duplicate sample was obtained from well MW-4.

MONITORING RESULTS

Water Quality Data

The groundwater monitoring results for this quarter are summarized on Table 3. Table 3 also includes any laboratory data qualifiers (if any). The evaluation of the water quality data includes an evaluation of the sample holding times. These QA/QC measures are used to assess data usability. In addition, the data is reviewed by a senior environmental professional (Professional Engineer) for usability. The data is evaluated against the NYSDEC groundwater standard (Class GA) to aid in the interpretation of the significance of the results.

Sample Holding Times

Sample holding times for each parameter are specified by each analytical method. All samples were analyzed within the allowable holding times.

Data Usability

Based on a review of the sampling and analytical data and the quality control/quality assurance data, the data as presented in this report is usable for the purposes stated in the scope of work.

GROUNDWATER

The groundwater pumping system has been turned off and the groundwater levels in the wells have risen and appear to have reached their equilibrium level. Figures 2 through 10 present the historical elevation plots for each of the wells. Groundwater elevations in many of the wells rise and fall together. The following observations are relevant to the evaluation of the groundwater levels.

- After the pumping was turned off, water levels in the Sump and Wells MW-2B, MW-3, MW-4, MW-6 and MW-7 increased. It appears that the operation of the sump impacts the water elevations at these locations.
- Groundwater elevations in wells MW-1B, MW-2A and MW-5 appear to be unaffected by the operation of the sump.
- Monitoring well MW-2A and MW-5 appear to be affected by seasonal variations. Late summer and early fall represent the lowest groundwater elevations.

EVALUATION OF MONITORING RESULTS

Tables 2 and 3 summarize the groundwater monitoring results for this quarter. Based on the available results, the data appears to be consistent with prior sampling events. pH measurements ranged from 7.19 to 8.31. Turbidity was less than 20 NTUs in all wells. Specific conductance ranged from 551 to 10,640 uhmos/cm.

The concentration of volatile organic compounds for this quarter are presented on Table 3. Figure 11 is a plot of the CFC 113 in well MW-2B. Figures 12, 13, 14 and 15 are plots of several potential indicator compounds with time in Well MW-2B. Contamination in the other wells on site is not present. All trends are tentative at this time and should be further evaluated as additional information becomes available.

Table 1. Groundwater Elevations at Moog

<u>Date</u>	<u>Sump</u>	<u>MW-1B</u>	<u>MW-2A</u>	<u>MW-2B</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>MW-6</u>	<u>MW-7</u>
Dec-10	94.52	95.27	92.55	94.55	94.70	93.49	94.18	94.58	95.00
Jan-11	94.24	95.43	92.55	94.87	94.32	94.29	93.60	94.32	94.26
Feb-11	88.90	94.14	90.48	90.47	89.02	88.91	91.81	88.95	88.90
Mar-11	94.10	95.29	92.11	94.10	94.12	93.92	93.68	94.04	94.03
Apr-11	94.47	94.99	92.67	94.29	94.30	94.25	93.63	94.31	94.26
May-11	94.20	94.78	92.49	94.33	94.36	94.22	94.70	94.31	94.24
Jun-11	94.16	94.92	92.98	94.46	94.26	94.02	93.98	94.25	94.13
Jul-11	93.53	94.55	91.76	93.42	93.50	93.52	91.29	93.53	93.52
Aug-11	88.90	93.45	88.77	89.13	88.88	88.89	89.12	88.92	88.88
Sep-11	88.78	93.57	88.64	89.74	88.82	88.82	89.67	88.78	88.78
Oct-11	88.83	93.75	87.99	91.12	89.02	88.94	90.04	89.00	89.01
Nov-11	88.85	93.89	90.22	90.20	88.99	89.06	90.93	88.91	88.92
Dec-11	94.22	94.45	91.68	94.06	94.22	94.08	93.43	94.24	94.18
Jan-12	88.95	94.04	90.38	91.17	89.13	88.99	92.70	88.91	88.94
Feb-12	88.93	94.09	90.85	91.52	89.16	89.07	92.37	88.95	88.96
Mar-12	88.75	94.11	90.14	91.57	89.00	88.93	92.15	88.76	88.77
Apr-12	88.58	93.73	89.03	90.10	88.94	88.92	91.20	88.97	88.92
May-12	90.88	94.03	89.66	91.36	90.95	90.99	92.00	90.99	90.93
Jun-12	88.75	93.59	88.18	89.29	88.77	88.75	90.30	88.78	88.75
Jul-12	88.82	93.38	87.50	89.04	88.74	88.76	89.01	88.79	88.75
Aug-12	88.72	93.16	88.27	89.68	88.91	89.07	89.90	88.93	88.94
Sep-12	88.76	93.27	87.66	89.17	88.88	88.94	88.67	88.95	88.91
Oct-12	88.65	92.54	87.67			87.94	88.77	87.99	87.98
Nov-12	88.91	94.07	89.53	90.66	88.95	89.02	91.40	88.91	88.89
Dec-12	91.40	93.49	90.82	88.83	91.32	91.37	90.90	91.38	89.33
Jan-13	88.90	93.66	88.90	89.75	88.87	88.78	91.57	88.83	88.81
Feb-13		94.29	90.66	93.40	93.63	93.66	91.98	93.75	93.67
Mar-13	94.13	94.66	91.29	94.57	94.03	94.14	92.99	94.15	94.08
Apr-13	94.21	94.79	91.40	94.54	94.11	94.25	92.97	94.23	94.16
May-13	94.06	94.38	91.22	94.47	93.94	94.10	92.39	94.10	94.04
Jun-13	94.20	94.88	91.61	94.53	94.05	94.21	92.94	94.20	94.13
Jul-13	94.62	94.62	91.14	94.17	94.01	94.20	91.90	94.21	94.15
Aug-13	93.74	94.54	90.63	93.42	93.58	93.75	90.64	93.75	93.65
Sep-13	92.82	94.25	92.77	89.80	92.66	92.83	89.72	92.81	92.78
Oct-13	92.36	94.23	89.27	92.54	92.23	92.39	89.56	92.38	92.31
Nov-13	94.15	94.75	90.75	94.29	94.08	94.16	92.39	94.19	94.11
Dec-13	94.35	95.06	90.70	94.77	94.27	94.37	92.72	94.37	94.31
Jan-13	94.39	95.49	91.05	94.97	94.48	94.43	93.66	94.43	94.37
Feb-14	94.34	94.44	89.88	94.32	94.13	94.38	92.15	94.35	94.27
Mar-14	94.35	95.17	91.03	94.95	94.41	94.50	93.00	94.49	94.42
Apr-14	94.42	94.90	91.13	94.98	94.38	94.43	93.95	94.44	94.40
May-14	94.27	95.38	91.02	94.65	94.20	94.29	93.27	94.30	94.23
Jun-14	94.17	95.10	90.47	94.24	93.94	94.19	91.96	94.20	94.14
Jul-14	93.90	94.60	89.86	93.82	93.68	93.92	90.82	93.92	93.84
Aug-14	94.02	94.10	90.05	94.03	93.83	94.04	91.55	94.04	93.98
Sep-14	94.10	94.39	89.25	93.99	93.85	94.11	90.56	94.10	94.02
Oct-14	94.34	94.49	89.29	94.19	94.09	94.34	90.80	94.34	94.24

Table 1. Groundwater Elevations at Moog

<u>Date</u>	<u>Sump</u>	<u>MW-1B</u>	<u>MW-2A</u>	<u>MW-2B</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>MW-6</u>	<u>MW-7</u>
Dec-14	94.39	94.96	90.92	94.90	94.35	94.41	93.05	94.42	94.36
Jan-15	94.01	94.73	90.28	94.29	93.91	94.05	92.47	94.02	93.96
Mar-15	94.44	95.20	91.13	94.99	94.43	94.45	93.90	94.48	94.43
Apr-15	94.48	94.59	91.02	94.88	94.41	94.50	94.15	94.50	93.45
May-15	94.20	94.88	90.29	94.40	93.96	94.22	92.36	94.21	94.13
Jun-15	94.18	94.96	90.57	94.40	94.03	94.26	92.49	94.29	94.21
Jul-15	94.38	95.10	90.30	94.49	94.16	94.42	92.37	94.41	94.33
Aug-15	94.26	94.94	89.55	94.42	94.01	94.28	91.33	94.28	94.20
Sep-15	93.68	94.23	89.29	93.63	93.46	93.73	90.35	93.71	93.63
Oct-15	93.93	94.92	90.58	94.07	93.68	93.92	90.75	93.96	93.86
Nov-15	94.17	94.96	89.87	94.29	93.95	94.19	91.65	94.19	94.12
Dec-15	94.15	94.88	90.12	94.44	94.01	94.18	91.70	94.20	94.13
Jan-16	94.28	95.19	90.39	94.67	94.25	94.31	92.75	94.31	94.25
Feb-16	94.37	95.32	90.81	94.93	94.41	94.40	94.12	94.41	94.35
Mar-16	94.48	92.57	90.83	94.82	94.38	94.50	94.20	94.49	94.47
Apr-16	94.44	95.30	91.11	94.83	94.40	94.46	93.93	94.47	94.42
May-16	93.79	94.92	89.52	93.80	93.54	93.81	91.17	93.81	93.73
Jun-16	94.10	93.76	89.47	94.06	93.83	94.12	91.14	94.12	94.04
Aug-16	93.63	94.37	87.95	93.40	93.36	93.65	89.10	93.65	93.55
Sep-16	93.10	94.57	88.62	93.13	92.87	93.14	89.63	93.12	93.03
Oct-16	93.97	94.63	88.72	93.93	93.73	93.97	90.73	93.99	93.91
Nov-16	93.85	94.81	89.49	94.05	93.67	93.89	91.36	93.87	93.80
Dec-16	94.34	94.83	90.25	94.73	94.21	94.37	92.34	94.38	94.31
Jan-17	94.55	95.37	90.56	95.20	94.58	94.57	93.75	94.58	94.52
Feb-17	94.56	95.34	90.49	94.73	94.52	94.60	93.85	94.51	94.54
Mar-17	94.42	94.88	90.64	94.94	94.35	94.46	94.23	94.45	94.38
Mar-17	94.42	94.88	90.64	94.94	94.35	94.46	94.23	94.45	94.38
Apr-17	94.32	95.54	90.90	94.83	94.27	94.35	94.42	94.36	94.29
May-17	94.25	95.05	89.97	94.33	94.05	94.28	92.72	94.30	94.23
Jun-17	93.76	94.53	88.73	93.89	93.52	93.76	91.98	93.72	93.44
Jul-17	93.68	94.99	89.37	93.63	93.23	93.42	91.50	93.45	93.45
Aug-17	94.01	95.00	89.60	94.31	93.78	94.01	92.00	94.04	93.96
Sep-17	93.95	94.34	89.41	93.95	93.68	93.97	91.26	93.97	93.89
Oct-17	92.43	94.45	88.53	92.68	92.22	92.48	90.35	92.46	92.40
Nov-17	94.18	95.03	90.26	94.68	94.03	94.20	93.16	94.22	94.16
Dec-17	94.29	95.32	90.46	94.87	94.16	94.35	93.19	94.35	94.27
Jan-18	93.93	95.06	90.22	94.33	93.73	93.95	93.01	93.94	93.87
Feb-18	94.36	95.49	90.76	94.99	94.36	94.39	94.10	94.41	94.36
Mar-18	94.30	94.96	91.00	94.80	94.16	94.32	94.05	94.34	94.28
Apr-18	94.30	95.49	91.10	94.87	94.08	94.34	94.39	94.36	94.30
May-18	94.06	95.19	90.13	94.32	93.79	94.10	92.32	94.11	94.01
Jun-18	93.92	94.76	89.96	94.07	93.60	93.93	91.98	93.95	93.86
Jul-18	93.80	94.91	89.59	93.74	93.50	93.84	91.24	93.83	93.85
Aug-18	94.18	94.91	89.32	94.33	93.86	94.19	91.17	94.17	94.12
Sep-18	93.74	94.62	88.66	93.67	93.44	93.76	90.26	93.76	93.68
Oct-18	94.30	94.91	88.87	94.68	94.00	94.28	91.39	94.32	94.24
Nov-18	94.36	95.34	90.53	95.09	94.34	94.40	93.41	94.42	94.31

<u>Date</u>	<u>Sump</u>	<u>MW-1B</u>	<u>MW-2A</u>	<u>MW-2B</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>MW-6</u>	<u>MW-7</u>
Dec-18	95.06	93.68	90.35	94.93	94.24	94.36	94.08	94.35	94.32
Jan-19	94.35	95.12	90.47	94.93	94.38	94.39	94.23	94.41	94.35
Feb-19	94.33	95.23	90.70	94.63	94.09	94.32	93.55	94.33	94.28
Mar-19	94.15	94.79	90.09	94.47	93.89	94.19	92.93	94.21	94.12
Apr-19	94.34	95.35	90.79	94.77	94.18	94.37	93.89	94.36	94.33
May-19	94.25	95.00	90.34	94.40	93.96	94.28	92.74	94.30	94.22
Jun-19	94.08	94.00	90.09	94.29	93.78	94.12	92.51	94.14	94.06
Jul-19	94.08	94.80	89.87	94.22	93.75	94.09	92.24	94.08	94.04
Aug-19	93.72	94.74	88.78	93.83	93.38	93.76	90.61	93.75	93.67
Sep-19	94.23	92.85	89.02	94.39	93.90	94.27	91.41	94.26	94.21
Oct-19	94.46	94.63	89.22	94.90	94.13	94.49	91.71	94.48	94.53
Nov-19	94.40	94.94	90.54	94.77	94.28	94.42	93.30	94.43	94.38
Dec-19	94.35	94.55	89.92	94.73	94.36	94.36	94.10	94.38	94.31
Jan-20	94.30	94.89	90.41	94.61	94.26	94.35	94.05	94.34	94.28
Feb-20	94.31	95.55	90.42	94.58	94.32	94.35	94.13	94.37	94.28
Mar-20	94.38	95.01	90.52	94.76	94.39	94.41	94.20	94.43	94.36
Apr-20	94.36	95.07	90.71	94.72	94.38	94.38	94.24	94.40	94.34
May-20	94.25	95.10	90.62	94.46	94.07	94.27	93.55	94.28	94.23
Jun-20	93.95	94.82	89.99	94.09	93.67	94.01	92.44	93.99	93.92
Jun-20	93.94	94.85	89.57	94.04	93.62	93.97	91.76	93.97	93.85
Aug-20	94.13	94.85	88.89	93.95	93.79	94.13	91.02	94.14	94.08
Sep-20	93.50	93.87	88.29	93.59	93.20	93.55	90.40	93.53	93.46
Oct-20	94.29	94.41	87.99	94.68	93.94	94.30	91.74	94.32	94.32
Nov-20	94.05	94.73	89.44	94.62	93.79	94.11	91.94	94.09	94.03
Dec-20	94.22	94.66	90.22	94.55	93.99	94.27	93.29	94.26	94.22
Jan-21	94.34	95.16	90.52	94.69	94.18	94.38	94.12	94.38	94.32
Feb-21	94.04	94.73	89.37	94.27	93.75	94.07	92.48	94.05	93.93
Mar-21	94.35	95.07	90.72	94.75	94.21	94.36	93.25	94.40	94.33
Apr-21	94.10	94.97	90.16	94.35	93.83	94.14	92.39	94.13	94.07
May-21	93.93	94.99	89.94	94.08	93.63	93.97	92.33	93.96	93.91
Jul-21	93.93	94.87	89.50	94.04	93.61	93.98	91.51	93.98	93.91
Aug-21	93.93	94.87	89.50	94.04	93.61	93.98	91.51	93.98	93.91
Sep-21	94.40	94.71	88.65	94.49	94.05	93.97	91.36	94.43	95.48
Oct-21	94.26	94.85	89.10	94.46	93.98	94.31	92.30	94.30	94.25
Nov-21	94.30	94.92	90.35	94.74	94.09	94.35	93.43	94.35	94.54
Dec-21	94.31	93.40	89.99	94.50	94.08	94.35	93.04	94.35	94.25
Jan-22	94.25	94.96	90.20	94.70	94.01	94.30	93.50	94.30	94.23
Feb-22	94.47	95.13	90.44	94.77	94.18	94.51	93.95	94.51	94.41
Mar-22	94.35	95.05	90.28	94.75	94.13	94.39	93.65	94.41	94.34
Apr-22	94.24	95.17	90.51	94.65	93.99	94.27	93.18	94.28	94.21
May-22	94.15	95.01	90.10	94.34	93.81	94.17	92.36	94.18	94.50
Jun-22	94.04	94.50	90.18	94.19	93.71	94.10	92.26	94.10	93.94
Jul-22	93.46	94.66	89.21	93.58	93.08	93.52	91.00	93.49	93.44
Aug-22	93.85	94.70	88.28	93.90	93.44	93.90	90.38	93.88	93.78
Sep-22	94.21	94.77	89.34	94.44	93.75	94.19	90.76	94.18	94.13

<u>Date</u>	<u>Sump</u>	<u>MW-1B</u>	<u>MW-2A</u>	<u>MW-2B</u>	<u>MW-3</u>	<u>MW-4</u>	<u>MW-5</u>	<u>MW-6</u>	<u>MW-7</u>
Oct-22	94.49	95.08	90.16	95.17	99.66	99.47	96.95	99.43	97.43
Feb-23	94.23	94.98	90.43	94.44	93.96	94.32	93.46	94.29	94.23



TABLE 2
MOOG SITE
SUMMARY OF FIELD MEASUREMENTS
(February 17, 2023)

Location	Sample Time	pH (SU)	Turbidity (NTU)	Specific Conductance (uhmos/cm)	Temperature (F)	Sample Appearance
Method		SM4500 HB (23 rd Ed)	EPA 180.1 (Rev 2.0)	EPA 120.1 (Rev 1982)	SM2550B (23 rd Ed)	
MW-1B	10:41 am	7.34	3.5	940	52	Clear
MW-2A	11:22 am	7.19	6.2	2,270	51	Clear
MW-2B	11:28 am	7.36	4.0	3,080	43	Clear
MW-3	10:27 am	7.37	1.9	1,443	39	Clear
MW-4	11:03 am	7.66	3.2	1,583	45	Clear
MW-5	10:18 am	7.29	1.2	551	38	Clear
MW-6	11:09 am	7.91	7.6	1,920	44	Clear
MW-7	10:49 am	8.31	17	10,640	42	Clear

All measurements made in the field by FTA (ELAP No. 10475) immediately upon sample collection.
 All meters were calibrated in accordance with FTA laboratory procedures and protocols.

TABLE 3
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

First Quarter 2023 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
1,1,1-TRICHLOROETHANE (TCA)	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2,2-TETRACHLOROETHANE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2-TRICHLOROETHANE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2-TRICHLOROTRIFLUOROETHANE (CFC 113)	5.0	U	5.0	U	35		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1-DICHLOROETHANE (1,1-DCA)	5.0	U	5.0	U	110		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1-DICHLOROETHENE (1,1-DCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2,4-TRICHLOROBENZENE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10	U	10	U	5	U	10	U	10	U	10	U	10	U	10	U
1,2-DIBROMOETHANE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-DICHLOROBENZENE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-DICHLOROETHANE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-DICHLOROPROPANE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,3-DICHLOROBENZENE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,4-DICHLOROBENZENE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-BUTANONE (MEK)	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2-HEXANONE	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-METHYL-2-PENTANONE	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
ACETONE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BENZENE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BROMODICHLOROMETHANE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BROMOFORM	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
BROMOMETHANE	10	U	10	U	5	U	10	U	10	U	10	U	10	U	10	U
CARBON DISULFIDE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CARBON TETRACHLORIDE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CHLOROBENZENE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CHLOROETHANE	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
CHLOROFORM	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CHLOROMETHANE	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U

U = Not Detected, J = Estimated

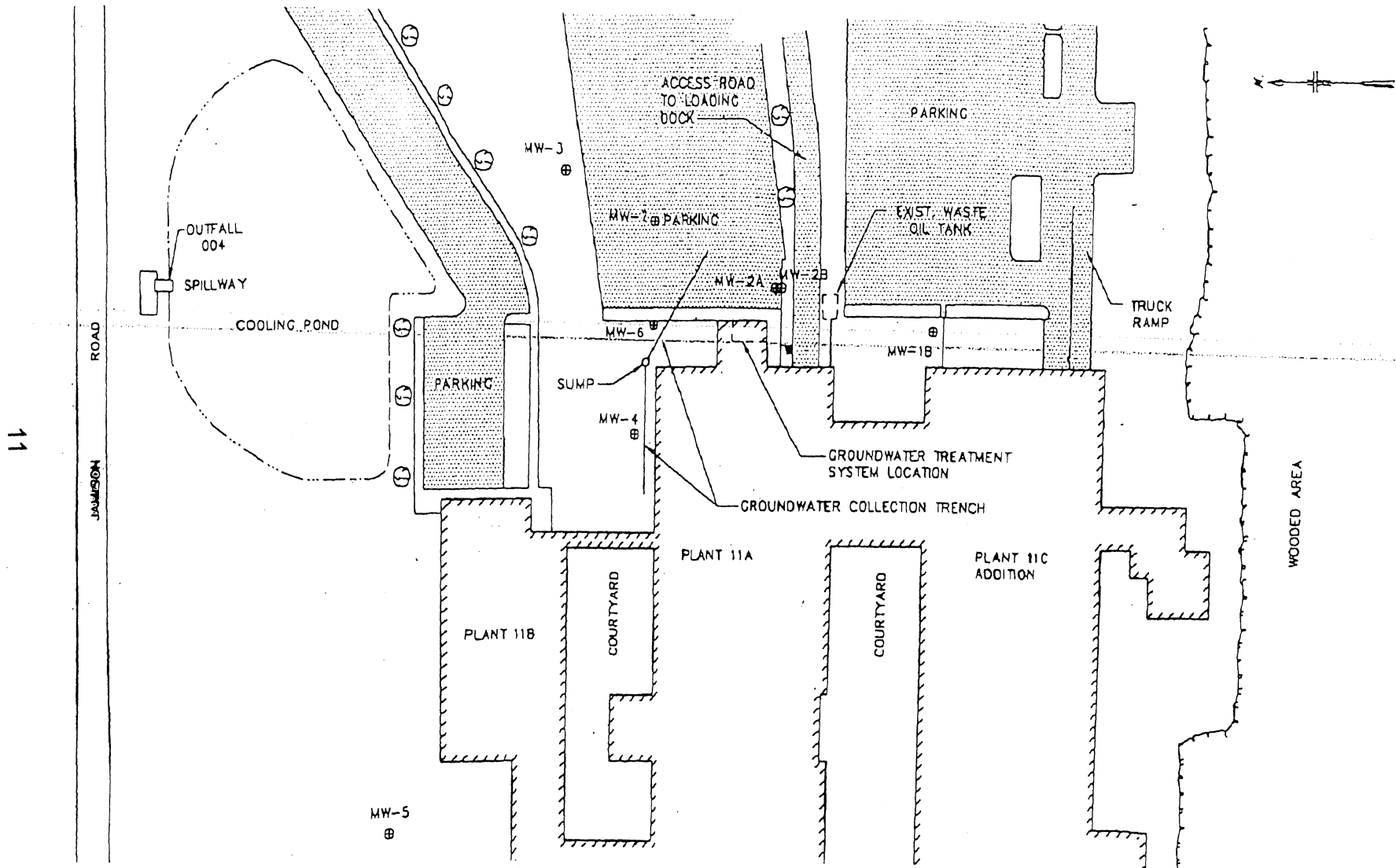
TABLE 3 (Continued)
SUMMARY OF ANALYTICAL TESTING RESULTS AT MOOG, INC.

First Quarter 2023 (Concentrations in ug/l)

COMPOUND	MW-1B		MW-2A		MW-2B		MW-3		MW-4		MW-5		MW-6		MW-7	
CYCLOHEXANE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DIBROMOCHLOROMETHANE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
DICHLORODIFLUOROMETHANE (CFC 12)	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
DICHLOROMETHANE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ETHYLBENZENE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
ISOPROPYLBENZENE (CUMENE)	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL ACETATE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYL TERT-BUTYL ETHER	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
METHYLCYCLOHEXANE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
STYRENE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TETRACHLOROETHENE (PCE)	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TOLUENE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROETHENE (TCE)	5.0	U	5.0	U	10	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRICHLOROFLUOROMETHANE (CFC 11)	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
VINYL CHLORIDE	10	U	10	U	35		10	U	10	U	10	U	10	U	10	U
CIS-1,2-DICHLOROETHENE	5.0	U	5.0	U	34		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CIS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
M,P-XYLENES	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
O-XYLENE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,2-DICHLOROETHENE	5.0	U	5.0	U	12		5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
TRANS-1,3-DICHLOROPROPENE	5.0	U	5.0	U	5	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

U = Not Detected, J= Estimated, B=Found in Method Blank

FIGURE 1



EAST AURORA PLANT 11
GROUNDWATER REMEDIATION SYSTEM
PERFORMANCE MONITORING
MONITORING WELL LOCATIONS

MOORE, INC.

Figure 2. Groundwater Elevations in Sump

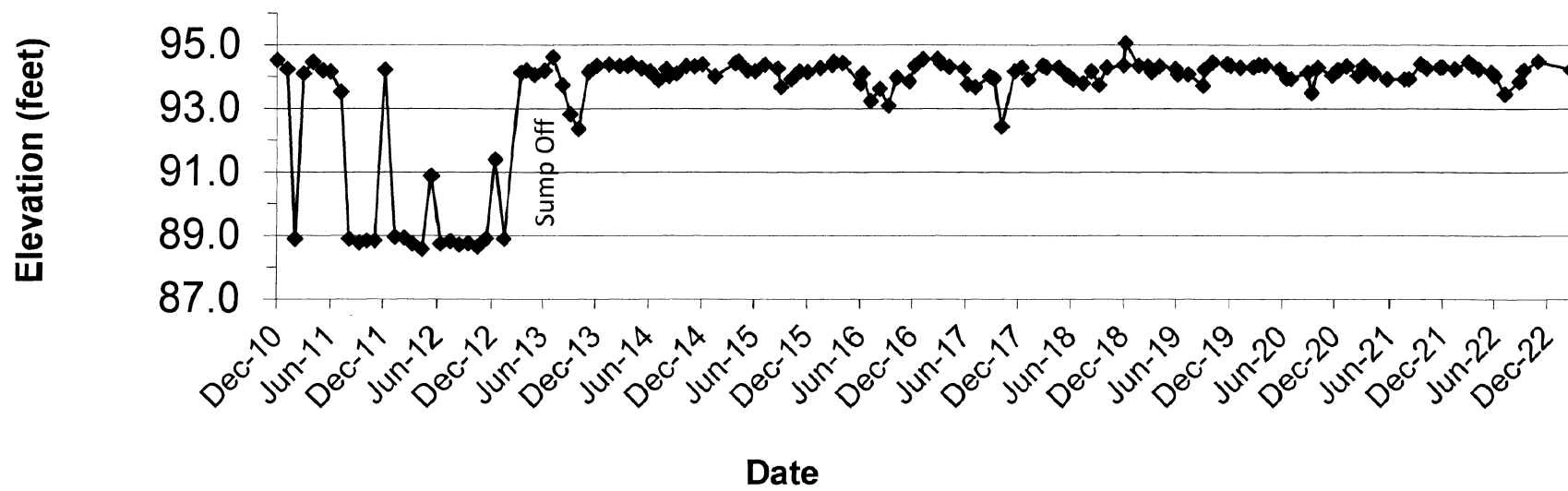


Figure 3. Groundwater Elevations MW-1B

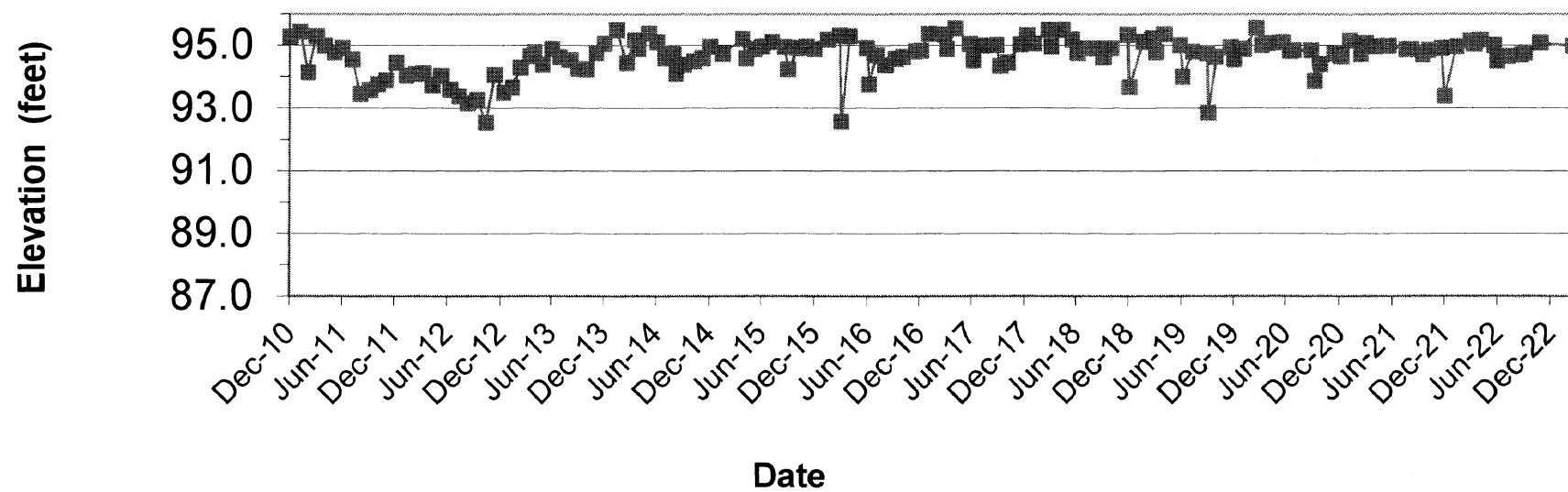


Figure 4. Groundwater Elevations MW-2A

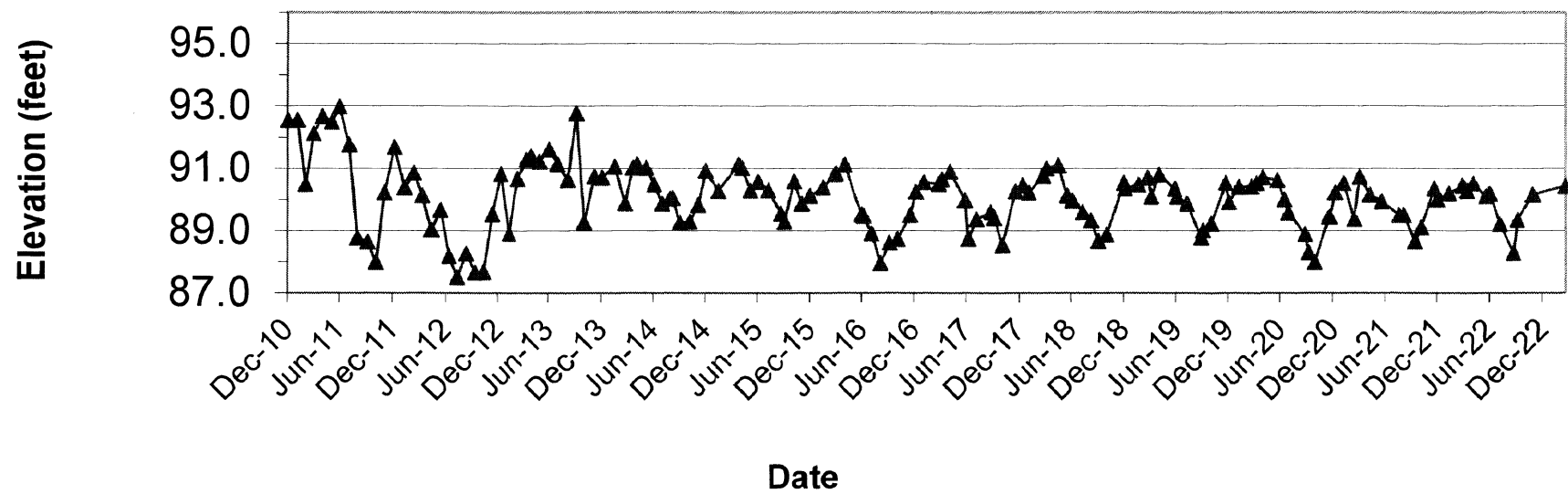


Figure 5. Groundwater Elevations MW-2B

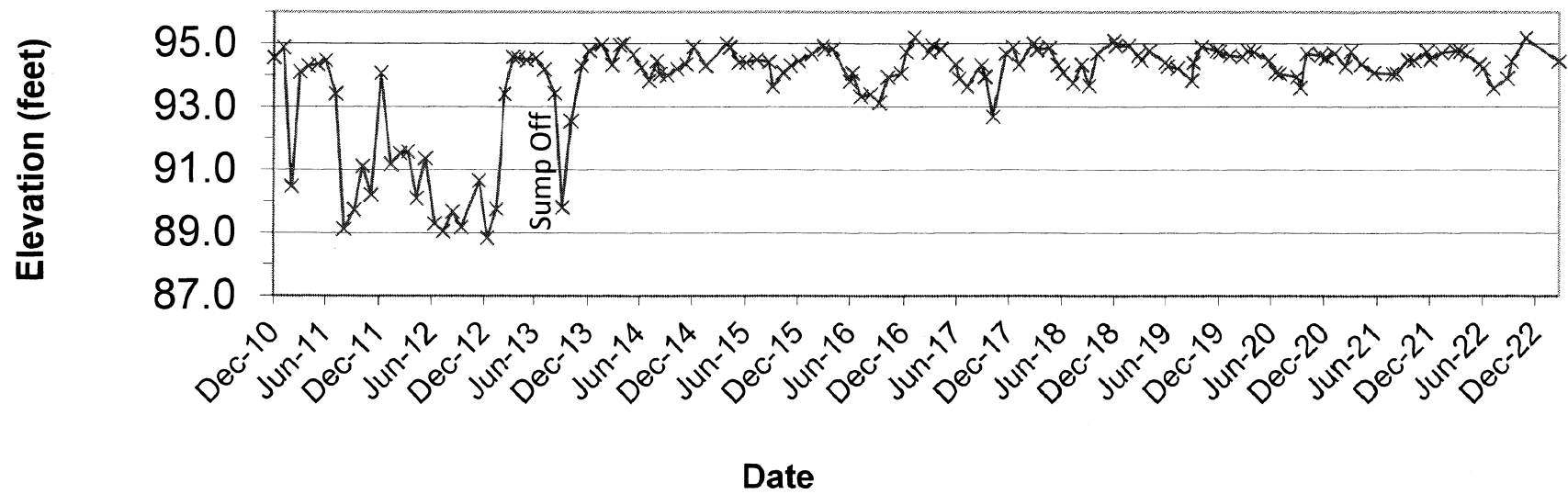


Figure 6. Groundwater Elevations MW-3

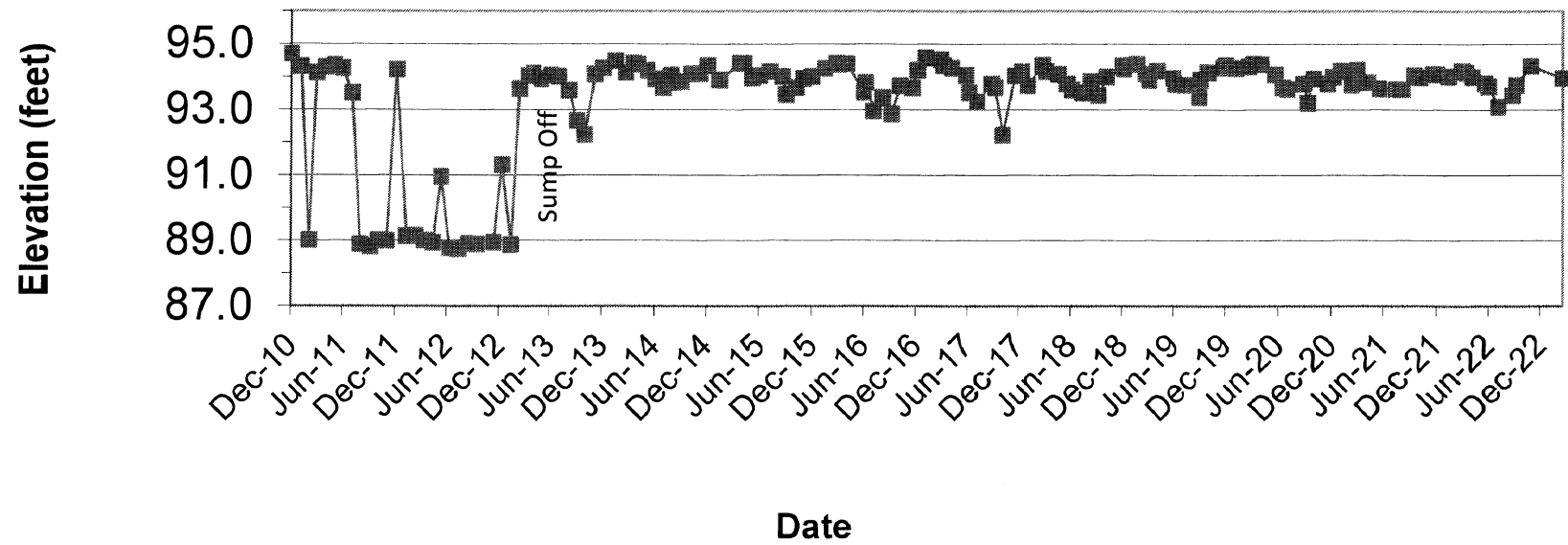


Figure 7. Groundwater Elevations MW-4

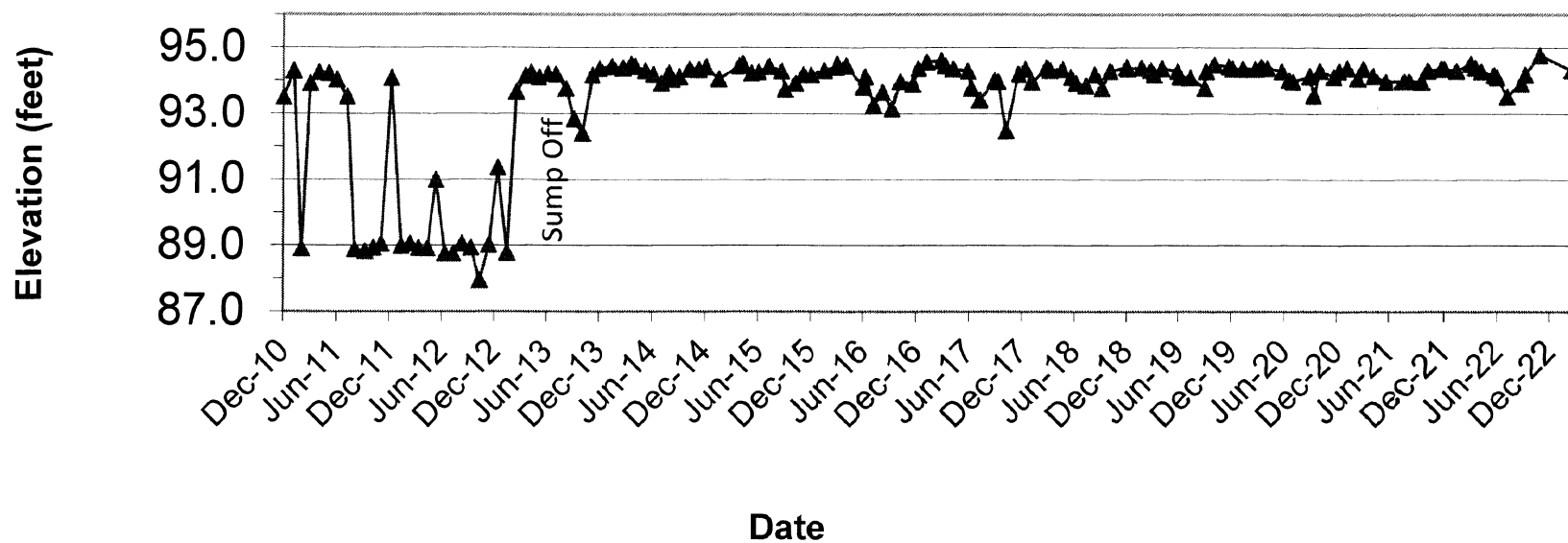


Figure 8. Groundwater Elevations MW-5

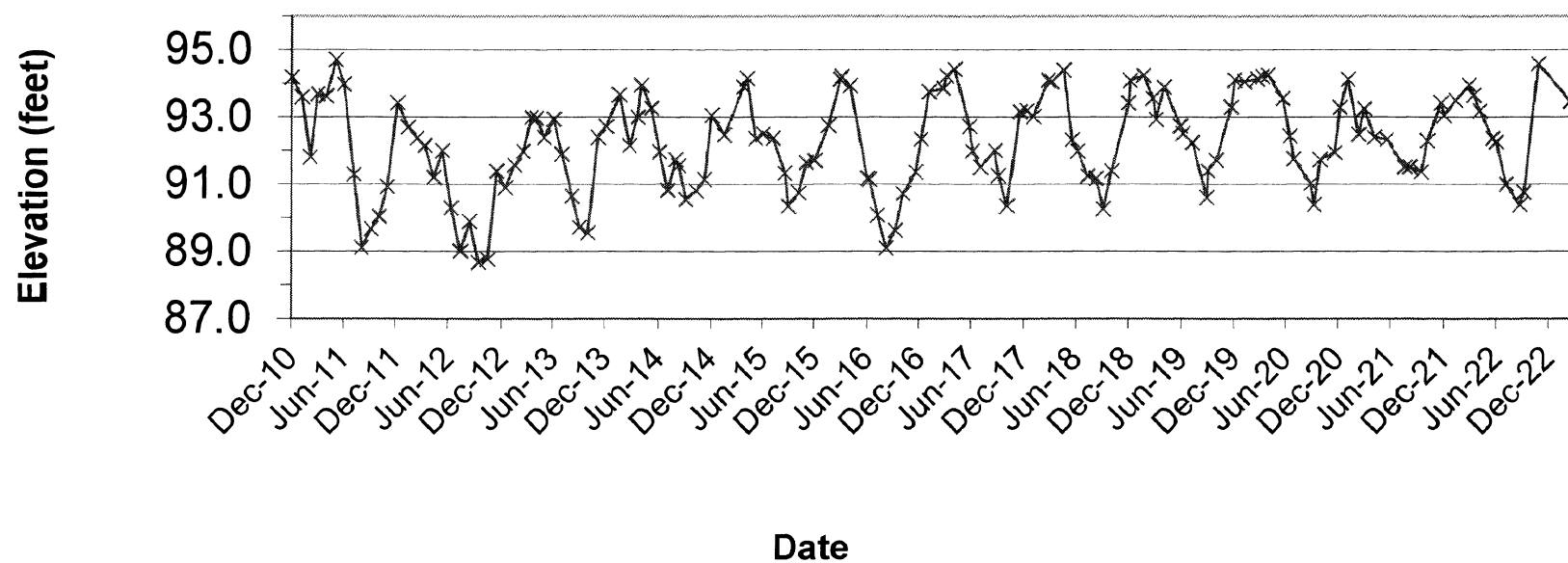


Figure 9. Groundwater Elevations MW-6

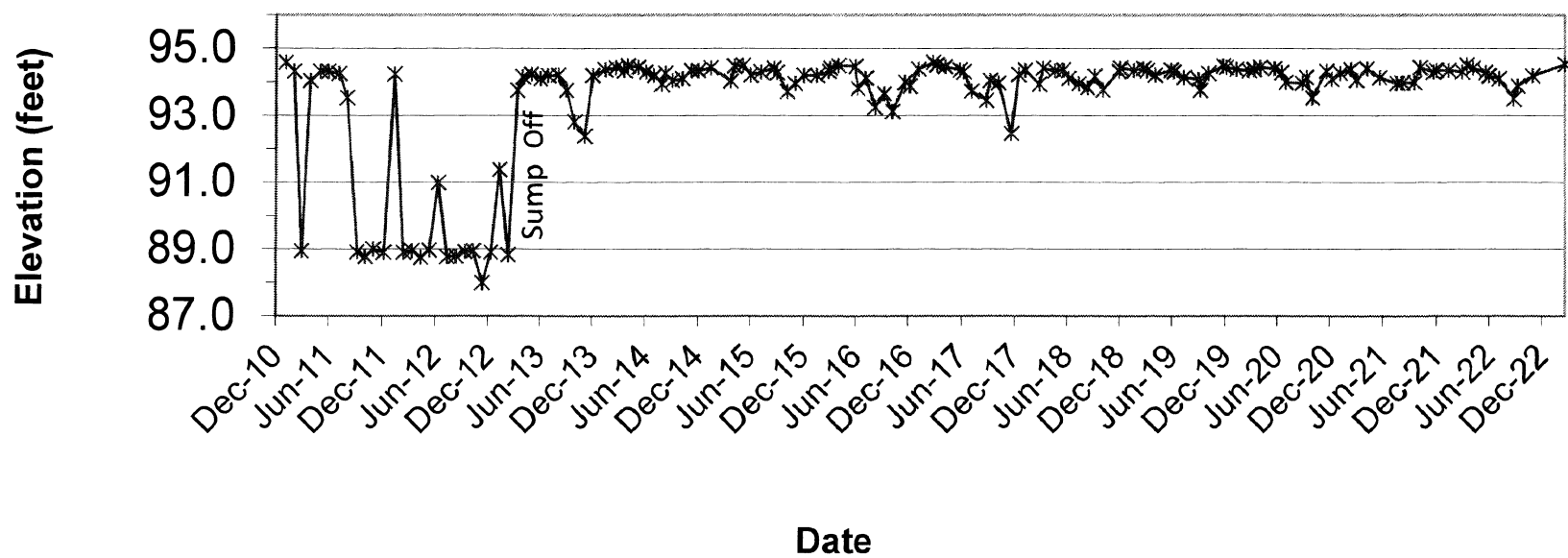
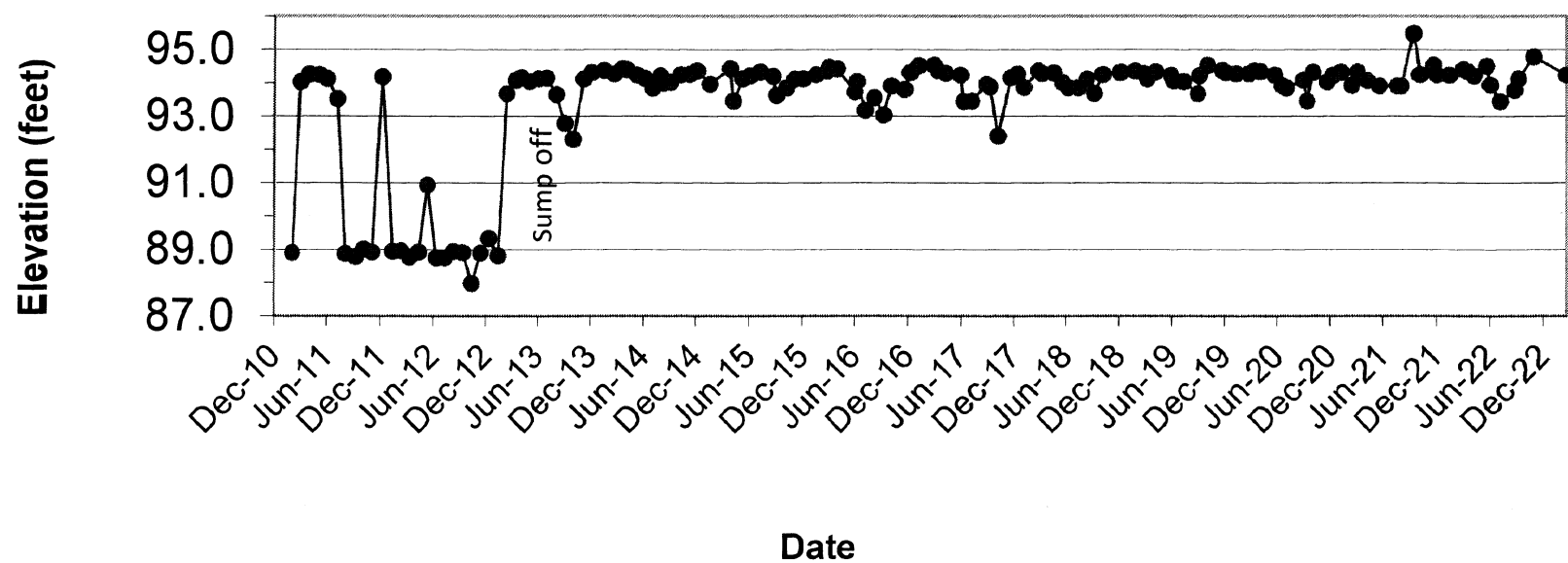
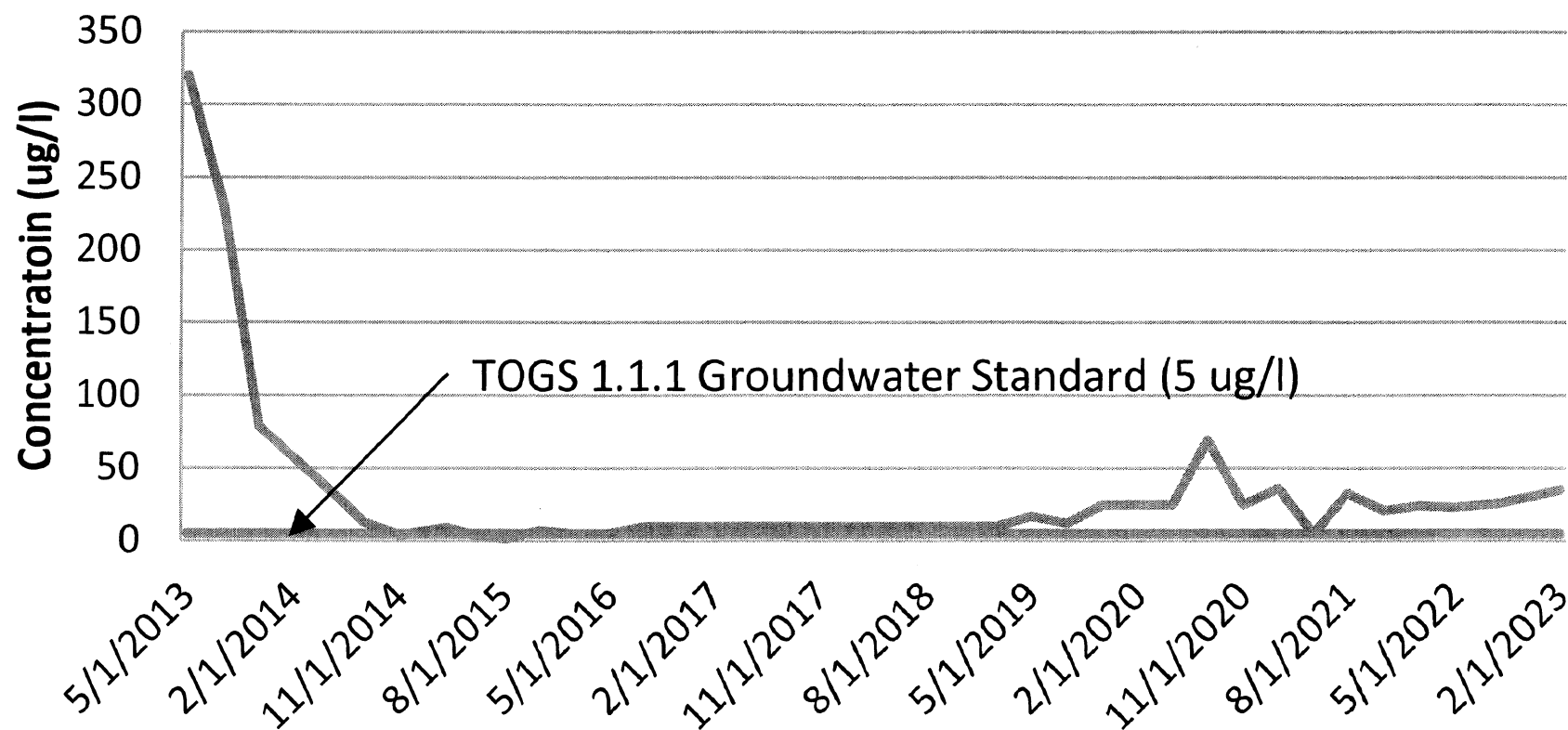


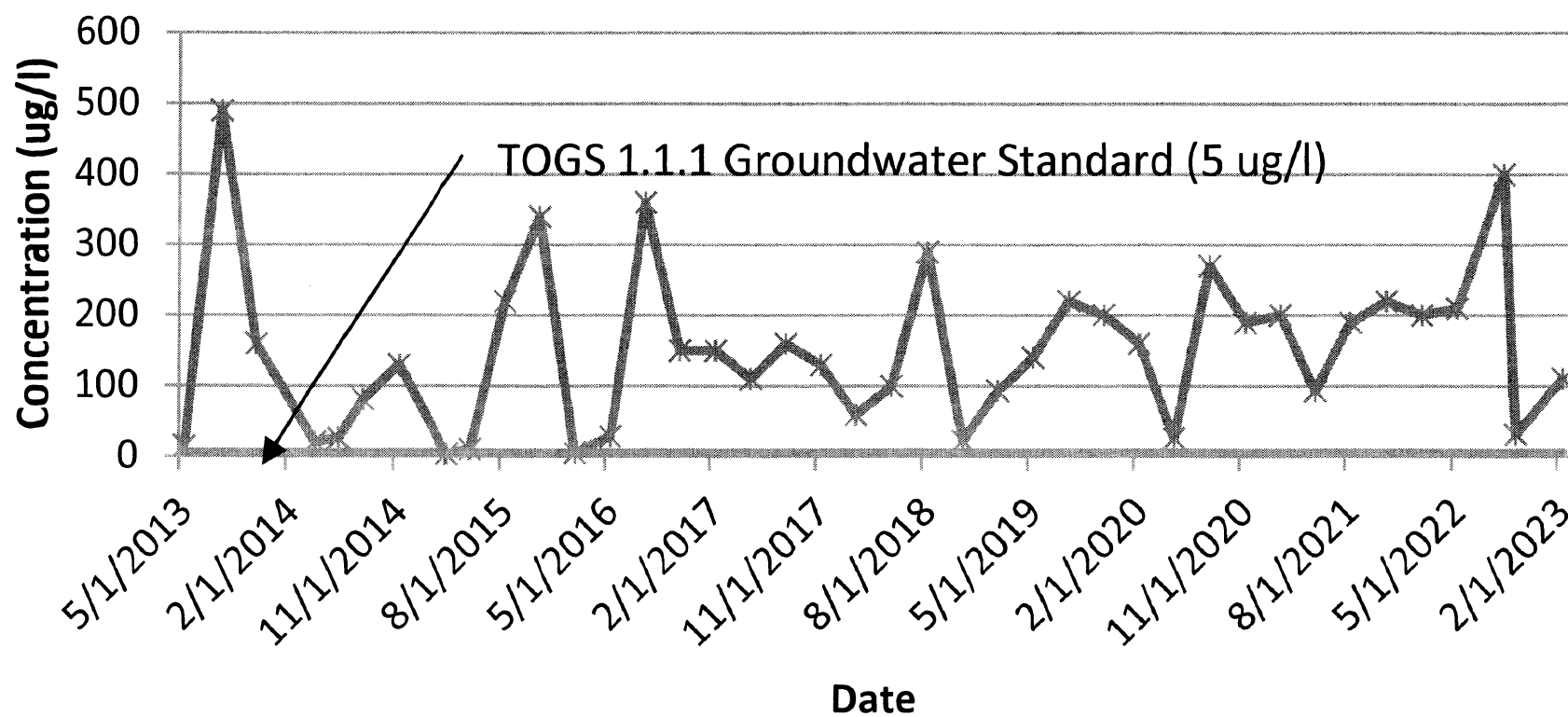
Figure 10. Groundwater Elevations MW-7



**Figure 11. Concentration of CFC 113
in Well MW-2B**



**Figure 12. Concentration of 1,1 DCA
in Well MW-2B**



**Figure 13. Concentration of TCE
in Well MW-2B**

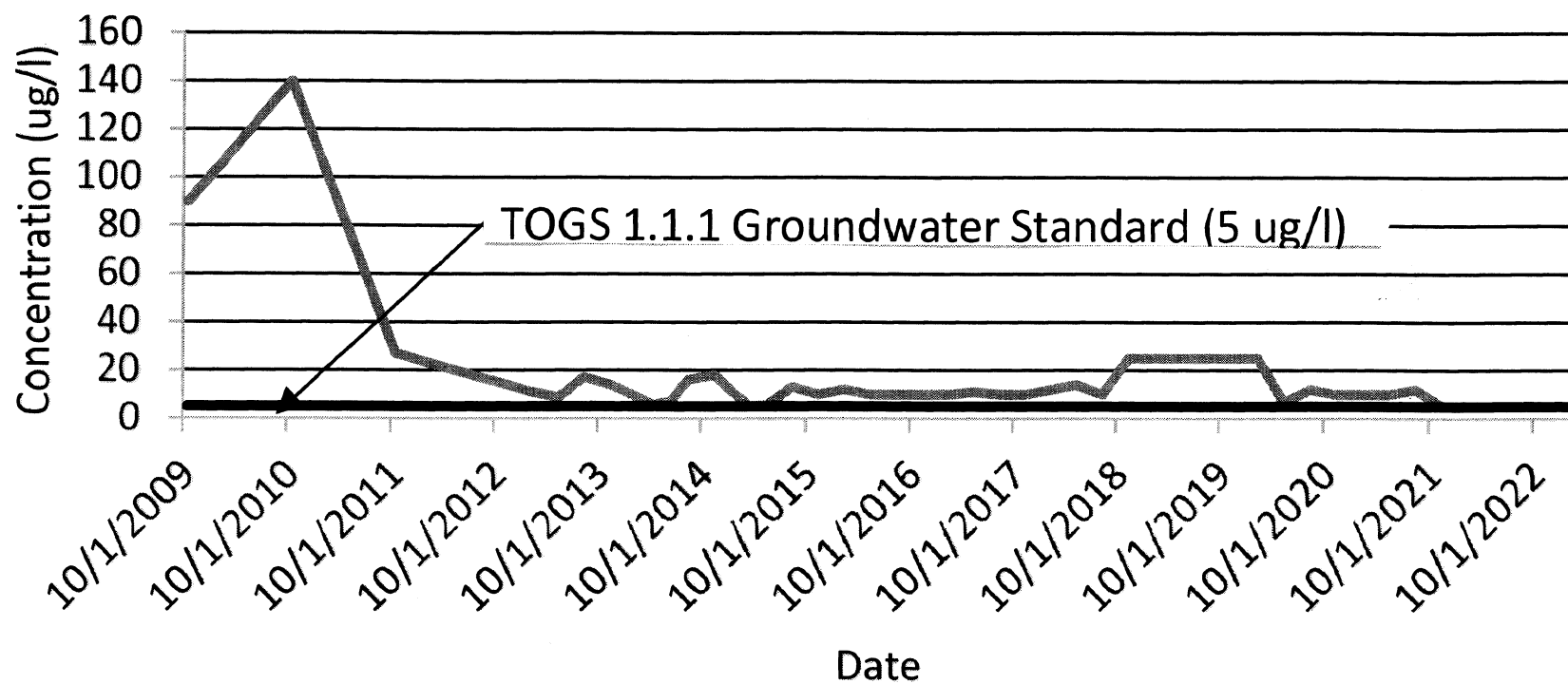
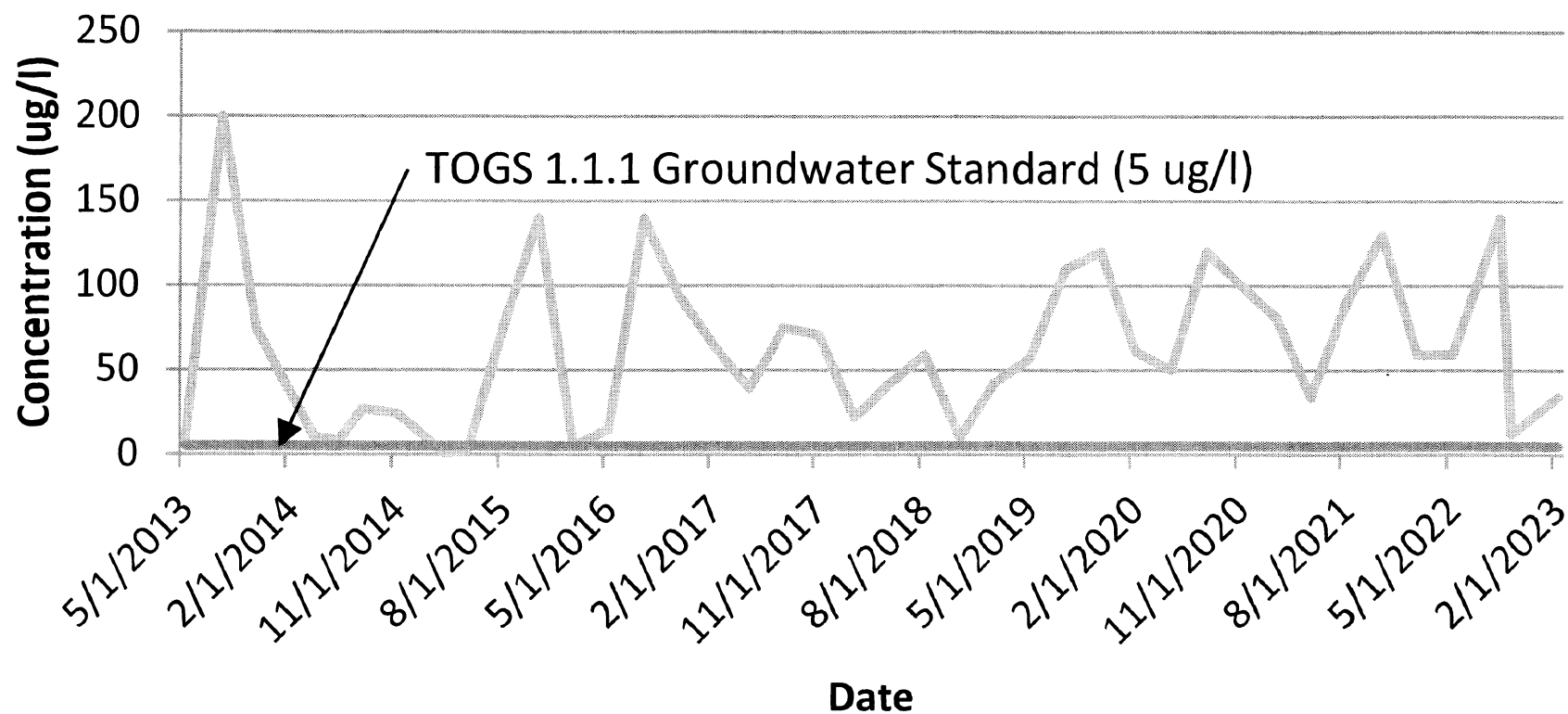
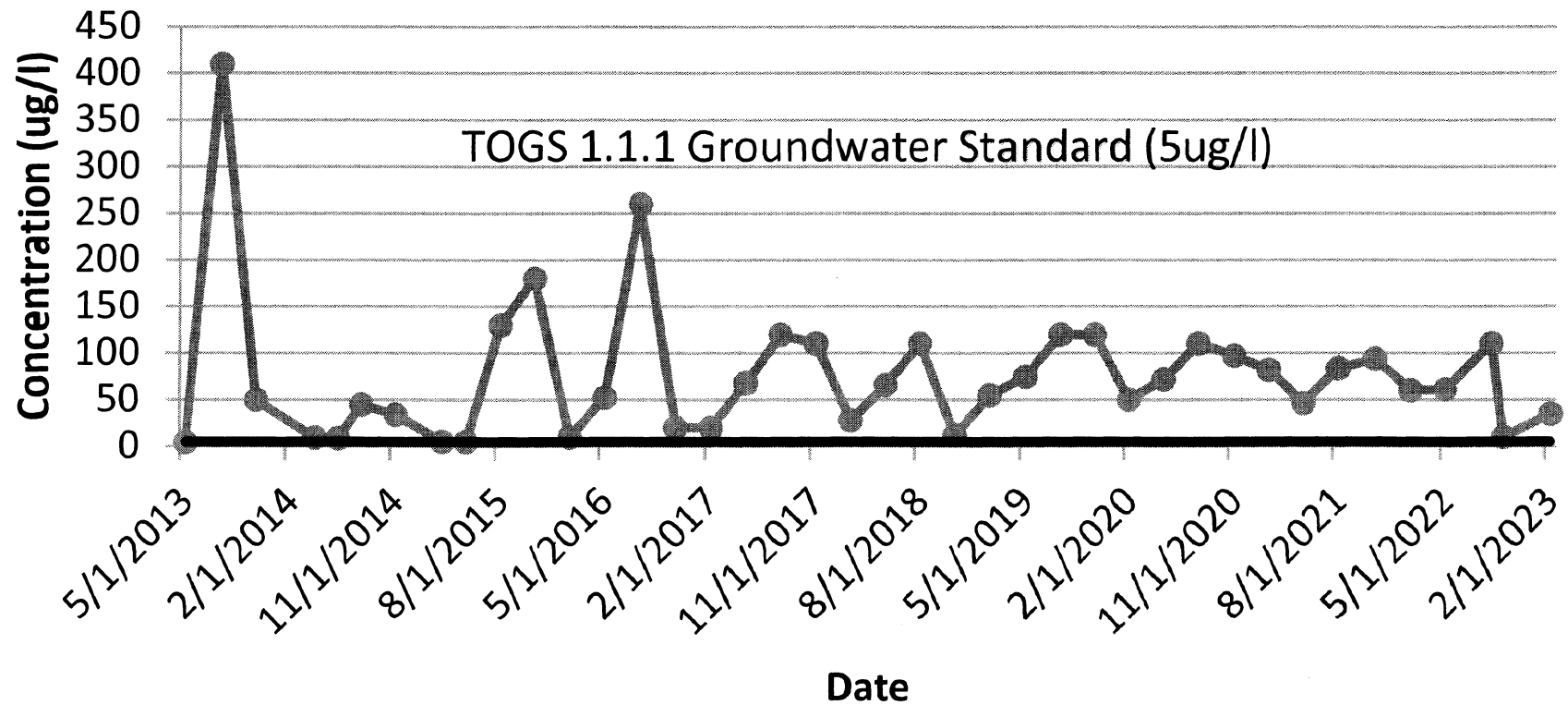


Figure 14. Concentration of Cis 1,2- Dichloroethene in Well MW-2B



**Figure 15. Concentration of Vinyl Chloride
in Well MW-2B**



APPENDIX

Field Forms
Laboratory Report



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-1B

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 16.81 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 4.49 ft.

Depth of Water Column: 12.32 ft.

Volume of Standing Water in Well: 2.1 gallons

Start of Purge: Date: 2/16/23 Time: 1:48

End of Purge: Date: 2/16/23 Time: 2:07

Total Volume Purge: 4 gallons Well Purged Dry?: Yes No

of Volumes Purged 2 Purging Personnel: Ron Blinston

Recharge Rate: Rapid, Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 2/17/23 Sample Time: 10:41 Depth to Water Surface 14.71 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 RD Ed	Oakton 300	STD. UNITS	7.34	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	3.46	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	940	
Temperature SM 2550 B 23 RD Ed	UEi 550	F	52	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-2A

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 25.50 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 8.27 ft.

Depth of Water Column: 17.23 ft.

Volume of Standing Water in Well: 3 gallons

Start of Purge: Date: 2/16/23 Time: 1:43

End of Purge: Date: 2/16/23 Time: 3:09

Total Volume Purge: 4 gallons Well Purged Dry?: Yes No

of Volumes Purged 1 Purging Personnel: Ron Blinston

Recharge Rate: Rapid, Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 2/17/23 Sample Time: 11:22 Depth to Water Surface 12.29 ft.

Sample Appearance: CLEAN

Samples Preserved: Yes No

Sampling Personnel: Ron Blinston

FIELD MEASUREMENTS

Meters Calibrated: Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	7.19	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	6.21	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	2270	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	51	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-2B

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 10.53 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 4.44 ft.

Depth of Water Column: 6.09 ft.

Volume of Standing Water in Well: 1.1 gallons

Start of Purge: Date: 2/16/23 Time: 2:09

End of Purge: Date: 2/16/23 Time: 2:16

Total Volume Purge: 2.3 gallons Well Purged Dry? Yes No

of Volumes Purged 2 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid, Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 2/17/23 Sample Time: 11:28 Depth to Water Surface 5.26 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	<u>7.36</u>	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	<u>3.99</u>	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	<u>3080</u>	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	<u>43</u>	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-3

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 11.74 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 5.70 ft.

Depth of Water Column: 6.04 ft.

Volume of Standing Water in Well: 1.1 gallons

Start of Purge: Date: 2/16/23 Time: 2:19

End of Purge: Date: 2/16/23 Time: 2:26

Total Volume Purge: 3.3 gallons Well Purged Dry?: Yes ~~No~~

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid, Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 2/17/23 Sample Time: 10:27 Depth to Water Surface 5.70 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated: Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	<u>7.37</u>	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	<u>1.86</u>	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	<u>1443</u>	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	<u>39</u>	

Weather: _____

Notes: SUMP 5.85



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-4

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 11.61 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 5.15 ft.

Depth of Water Column: 6.46 ft.

Volume of Standing Water in Well: 1.1 gallons

Start of Purge: Date: 2/16/23 Time: 2:30

End of Purge: Date: 2/16/23 Time: 2:30

Total Volume Purge: 3.3 gallons Well Purged Dry?: Yes No

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 2/17/23 Sample Time: 11:03 Depth to Water Surface 5.11 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	<u>7.66</u>	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	<u>3.25</u>	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	<u>1583</u>	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	<u>45</u>	

Weather: _____

Notes: DUP



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-5

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 10.53 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 3.49 ft.

Depth of Water Column: 7.04 ft.

Volume of Standing Water in Well: 1.2 gallons

Start of Purge: Date: 2/16/23 Time: 1:25

End of Purge: Date: 2/16/23 Time: 1:34

Total Volume Purge: 3.6 gallons Well Purged Dry?: Yes No

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 2/17/23 Sample Time: 10:18 Depth to Water Surface 3.71 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes No

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	7.29	(7.29)
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	1.19	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	µMHOS/CM	551	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	38	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-6

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 14.26 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 5.14 ft.

Depth of Water Column: 9.12 ft.

Volume of Standing Water in Well: 1.6 gallons

Start of Purge: Date: 7/16/23 Time: 2:40

End of Purge: Date: 7/16/23 Time: 2:55

Total Volume Purge: 4.8 gallons Well Purged Dry?: Yes ☒ No ☐

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 7/17/23 Sample Time: 11:09 Depth to Water Surface 5.07 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes ☒ No ☐

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes ☒ No ☐

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	7.91	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	7.58	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	1.92 ms	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	44	

Weather: _____

Notes: MS/MSD



FRONTIER TECHNICAL ASSOCIATES, INC.
WELL MONITORING FIELD FORM

Site Location: MOOG, Inc. Job No.: ET- 979

Sample Point I.D.: MW-7

Consultant: Frontier Technical Associates, Inc.

PURGE INFORMATION

Purge Method: Peristaltic Pump

Depth to Bottom of Well: 12.04 ft.

2" Well = 0.17 gals/ft

Depth to Water Surface: 3.20 ft.

Depth of Water Column: 8.84 ft.

Volume of Standing Water in Well: 1.6 gallons

Start of Purge: Date: 2/16/23 Time: 3:00

End of Purge: Date: 2/16/23 Time: 3:10

Total Volume Purge: 4.8 gallons Well Purged Dry?: Yes ☒ No ☐

of Volumes Purged 3 Purging Personnel: RON BLINSTON

Recharge Rate: Rapid, Slow, Extremely Slow

SAMPLING INFORMATION

Sample Method: Bailer

Sample Date: 2/17/23 Sample Time: 10:49 Depth to Water Surface 3.17 ft.

Sample Appearance: CLEAR

Samples Preserved: Yes No ☐

Sampling Personnel: RON BLINSTON

FIELD MEASUREMENTS

Meters Calibrated Yes No ☐

PARAMETER	METER NUMBER	UNITS	MEASUREMENT	NOTES
pH SM 4500 HB 23 rd Ed	Oakton 300	STD. UNITS	<u>8.31</u>	
Turbidity EPA 180.1 Rev. 2.0 (1993)	Hach 2100P	NTU	<u>16.6</u>	
Spec. Conductance EPA 120.1 (Rev.1982)	Oakton Con	μMHOS/CM	<u>1964</u> mS	
Temperature SM 2550 B 23 rd Ed	UEi 550	F	<u>42</u>	

Weather: _____

Notes: _____



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, NY 14221

Moog Groundwater Calibration Record

Date: 2/17/23

Time: 8:03 am

			Standard Expires
pH Calibration: Temp:	<u>15.4 oc</u>	Buffers: 7.0	<u>7.00</u> 2/21/2024
Instrument ID:	<u>#5</u>	10.0	<u>10.12</u> 12/28/2023
		Check 4.0	<u>4.02</u> 3/4/2024

Turbidity: Cal. Check Std: 20 NTU Reading: 18.7 02/2023
Instrument ID: E must be +/- 10% of true value

Method Blank: 0.42

Post- Sampling Cal. Check Std: 20 NTU Reading: 18.5 02/2023
Instrument ID: E must be +/- 10% of true value

Specific Conductivity Cal. Check Std: 1413 umhos/cm

Instrument ID: CON 6 Reading: 1413 02/21/2023

Field Analyst: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-1B Date: 2/16/23

Inspectors Name (Print): Row Blinston
Inspector's Company: Frontier Technical Associates, Inc.
Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
Lock Functioning:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
Tubing OK:	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA
Protective Casing OK:	Yes <input type="radio"/> No <input checked="" type="radio"/> NA
Concrete Pad in Good Condition:	Yes <input type="radio"/> No <input checked="" type="radio"/> NA
Heaving of Well or Casing:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Well Sand in Purge Water:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Well Constricted:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Debris in Well:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA
Insects in Well:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA Type: _____
Wind Blown Dust inside Protective Casing:	Yes <input checked="" type="radio"/> No <input type="radio"/> NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

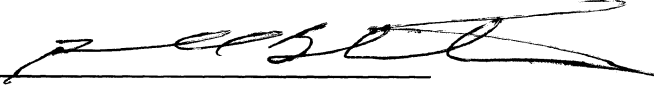
Moog Inc.

Monitoring Point: MW-ZA Date: 2/16/23

Inspectors Name (Print): RON BLINSTON
Inspector's Company: Frontier Technical Associates, Inc.
Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Lock Functioning:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Tubing OK:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Protective Casing OK:	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> NA
Concrete Pad in Good Condition:	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> NA
Heaving of Well or Casing:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Well Sand in Purge Water:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Well Constricted:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Debris in Well:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Insects in Well:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA Type: _____
Wind Blown Dust inside Protective Casing:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: 



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-2B Date: 2/16/23

Inspectors Name (Print): RON BLINSTON
Inspector's Company: Frontier Technical Associates, Inc.
Address: 8675 Main Street, Williamsville, New York 14221

Well Locked: Yes ☒ No ☐ NA

Lock Functioning: Yes ☐ No ☐ NA ☒

Bailer and Rope OK: ☒ Yes ☐ No ☐ NA

Tubing OK: ☒ Yes ☐ No ☐ NA

Protective Casing OK: ☒ Yes ☐ No ☒ NA

Concrete Pad in Good Condition: ☒ Yes ☐ No ☐ NA

Heaving of Well or Casing: Yes ☐ No ☒ NA

Well Sand in Purge Water: Yes ☐ No ☒ NA

Well Constricted: Yes ☐ No ☒ NA

Debris in Well: Yes ☐ No ☒ NA

Insects in Well: Yes ☐ No ☒ NA Type: _____

Wind Blown Dust inside Protective Casing: Yes ☐ No ☒ NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: 



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-3 Date: 2/16/23

Inspectors Name (Print): Ken Blinson

Inspector's Company: Frontier Technical Associates, Inc.

Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	Yes	<input checked="" type="radio"/> No	NA
Lock Functioning:	Yes	<input checked="" type="radio"/> No	NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes	No	NA
Tubing OK:	<input checked="" type="radio"/> Yes	No	NA
Protective Casing OK:	<input checked="" type="radio"/> Yes	No	NA
Concrete Pad in Good Condition:	Yes	<input checked="" type="radio"/> No	NA
Heaving of Well or Casing:	Yes	<input checked="" type="radio"/> No	NA
Well Sand in Purge Water:	Yes	<input checked="" type="radio"/> No	NA
Well Constricted:	Yes	<input checked="" type="radio"/> No	NA
Debris in Well:	Yes	<input checked="" type="radio"/> No	NA
Insects in Well:	Yes	<input checked="" type="radio"/> No	NA Type: _____
Wind Blown Dust inside Protective Casing:	Yes	<input checked="" type="radio"/> No	NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-4 Date: 2/16/23

Inspectors Name (Print): RON BLINSTON

Inspector's Company: Frontier Technical Associates, Inc.

Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Lock Functioning:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Tubing OK:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Protective Casing OK:	<input type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> NA
Concrete Pad in Good Condition:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Heaving of Well or Casing:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Well Sand in Purge Water:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Well Constricted:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Debris in Well:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Insects in Well:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA Type: _____
Wind Blown Dust inside Protective Casing:	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-5 Date: 2/16/23

Inspectors Name (Print): RON BLINSTON

Inspector's Company: Frontier Technical Associates, Inc.

Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Lock Functioning:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Tubing OK:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Protective Casing OK:	Yes	<input type="radio"/> No	<input checked="" type="radio"/> NA
Concrete Pad in Good Condition:	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> NA
Heaving of Well or Casing:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Well Sand in Purge Water:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Well Constricted:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Debris in Well:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA
Insects in Well:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA Type: _____
Wind Blown Dust inside Protective Casing:	Yes	<input checked="" type="radio"/> No	<input type="radio"/> NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-6 Date: 2/16/23

Inspectors Name (Print): RON BLUNSTON
Inspector's Company: Frontier Technical Associates, Inc.
Address: 8675 Main Street, Williamsville, New York 14221

Well Locked:	Yes	<input checked="" type="radio"/> No	NA
Lock Functioning:	Yes	<input checked="" type="radio"/> No	NA
Bailer and Rope OK:	<input checked="" type="radio"/> Yes	No	NA
Tubing OK:	<input checked="" type="radio"/> Yes	No	NA
Protective Casing OK:	Yes	No	<input checked="" type="radio"/> NA
Concrete Pad in Good Condition:	<input checked="" type="radio"/> Yes	No	NA
Heaving of Well or Casing:	Yes	<input checked="" type="radio"/> No	NA
Well Sand in Purge Water:	Yes	<input checked="" type="radio"/> No	NA
Well Constricted:	Yes	<input checked="" type="radio"/> No	NA
Debris in Well:	Yes	<input checked="" type="radio"/> No	NA
Insects in Well:	Yes	<input checked="" type="radio"/> No	NA Type: _____
Wind Blown Dust inside Protective Casing:	Yes	<input checked="" type="radio"/> No	NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



FRONTIER TECHNICAL ASSOCIATES INC.

8675 Main Street, Williamsville, New York 14221 (716) 634-2293

MONITORING POINT ASSESSMENT FORM

Moog Inc.

Monitoring Point: MW-7 Date: 2/16/23

Inspectors Name (Print): RON BEINSTON

Inspector's Company: Frontier Technical Associates, Inc.

Address: 8675 Main Street, Williamsville, New York 14221

Well Locked: Yes ☒ No ☐ NA

Lock Functioning: Yes ☒ No ☐ NA

Bailer and Rope OK: ☒ Yes ☐ No ☐ NA

Tubing OK: ☒ Yes ☐ No ☐ NA

Protective Casing OK: Yes ☐ No ☒ NA

Concrete Pad in Good Condition: Yes ☒ No ☒ NA

Heaving of Well or Casing: Yes ☒ No ☐ NA

Well Sand in Purge Water: Yes ☒ No ☐ NA

Well Constricted: Yes ☒ No ☐ NA

Debris in Well: Yes ☒ No ☐ NA

Insects in Well: Yes ☒ No ☐ NA Type: _____

Wind Blown Dust inside Protective Casing: Yes ☒ No ☐ NA

Other Observations or Details on Conditions Identified Above: _____

Inspector's Signature: [Signature]



Experience is the solution

314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

February 24, 2023

Kathy Wager
Frontier Technical Associates
8675 Main Street
Williamsville, NY 14221
TEL: (716) 634-2293

Work Order No: **230221063**

RE: Plant M-GW
GW ET-979

Adirondack Environmental Services, Inc received 9 samples on 2/21/2023 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Christopher Hess
QA Manager

Adirondack Environmental Services, Inc

CASE NARRATIVE

Frontier Technical Associates

Date: 24-Feb-23

Plant M-GW

Lab WorkOrder: 230221063

GW ET-979

Sample containers were supplied by Adirondack Environmental Services.

This is an updated report to include the QC data. (Rev01)

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:	ND : Not Detected at reporting limit	C: CCV below acceptable Limits
	J: Analyte detected below quantitation limit	C+: CCV above acceptable Limits
	B: Analyte detected in Blank	S: LCS Spike recovery is below acceptable limits
	X : Exceeds maximum contamination limit	S+: LCS Spike recovery is above acceptable limits
	H: Hold time exceeded	Z: Duplication outside acceptable limits
	N: Matrix Spike below acceptable limits	T : Tentatively Identified Compound-Estimated
	N+: Matrix Spike is above acceptable limits	E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-1B0217
Collection Date: 2/17/2023 10:41:00 AM
Lab Sample ID: 230221063-001
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Chloromethane	ND	10		µg/L	1	2/23/2023 8:22:00 PM
Bromomethane	ND	10		µg/L	1	2/23/2023 8:22:00 PM
Vinyl chloride	ND	10		µg/L	1	2/23/2023 8:22:00 PM
Chloroethane	ND	10		µg/L	1	2/23/2023 8:22:00 PM
Methylene chloride	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Acetone	ND	10		µg/L	1	2/23/2023 8:22:00 PM
Carbon disulfide	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Chloroform	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
2-Butanone	ND	10	N	µg/L	1	2/23/2023 8:22:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Trichloroethene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Benzene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Bromoform	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/23/2023 8:22:00 PM
2-Hexanone	ND	10	N	µg/L	1	2/23/2023 8:22:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Toluene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Chlorobenzene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Ethylbenzene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Styrene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
m,p-Xylene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
o-Xylene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	2/23/2023 8:22:00 PM
Methyl Acetate	ND	5.0	N	µg/L	1	2/23/2023 8:22:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-1B0217
Collection Date: 2/17/2023 10:41:00 AM
Lab Sample ID: 230221063-001
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Cyclohexane	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	2/23/2023 8:22:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	2/23/2023 8:22:00 PM
Surr: 1,2-Dichloroethane-d4	94.0	74-127		%REC	1	2/23/2023 8:22:00 PM
Surr: 4-Bromofluorobenzene	89.3	74-128		%REC	1	2/23/2023 8:22:00 PM
Surr: Toluene-d8	84.6	75-127		%REC	1	2/23/2023 8:22:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2A0217
Collection Date: 2/17/2023 11:22:00 AM
Lab Sample ID: 230221063-002
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Chloromethane	ND	10		µg/L	1	2/23/2023 8:44:00 PM
Bromomethane	ND	10		µg/L	1	2/23/2023 8:44:00 PM
Vinyl chloride	ND	10		µg/L	1	2/23/2023 8:44:00 PM
Chloroethane	ND	10		µg/L	1	2/23/2023 8:44:00 PM
Methylene chloride	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Acetone	ND	10		µg/L	1	2/23/2023 8:44:00 PM
Carbon disulfide	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Chloroform	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
2-Butanone	ND	10		µg/L	1	2/23/2023 8:44:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Trichloroethene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Benzene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Bromoform	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/23/2023 8:44:00 PM
2-Hexanone	ND	10		µg/L	1	2/23/2023 8:44:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Toluene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Chlorobenzene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Ethylbenzene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Styrene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
m,p-Xylene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
o-Xylene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	2/23/2023 8:44:00 PM
Methyl Acetate	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates

Client Sample ID: MW-2A0217

Work Order: 230221063

Collection Date: 2/17/2023 11:22:00 AM

Reference: Plant M-GW / GW ET-979

Lab Sample ID: 230221063-002

PO#:

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Cyclohexane	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	2/23/2023 8:44:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	2/23/2023 8:44:00 PM
Surr: 1,2-Dichloroethane-d4	94.6	74-127		%REC	1	2/23/2023 8:44:00 PM
Surr: 4-Bromofluorobenzene	90.1	74-128		%REC	1	2/23/2023 8:44:00 PM
Surr: Toluene-d8	83.5	75-127		%REC	1	2/23/2023 8:44:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2B0217
Collection Date: 2/17/2023 11:28:00 AM
Lab Sample ID: 230221063-003
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Chloromethane	ND	10		µg/L	1	2/23/2023 9:05:00 PM
Bromomethane	ND	10		µg/L	1	2/23/2023 9:05:00 PM
Vinyl chloride	35	10	S+	µg/L	1	2/23/2023 9:05:00 PM
Chloroethane	ND	10		µg/L	1	2/23/2023 9:05:00 PM
Methylene chloride	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Acetone	ND	10		µg/L	1	2/23/2023 9:05:00 PM
Carbon disulfide	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
1,1-Dichloroethane	110	5.0	S+	µg/L	1	2/23/2023 9:05:00 PM
trans-1,2-Dichloroethene	12	5.0	S+	µg/L	1	2/23/2023 9:05:00 PM
cis-1,2-Dichloroethene	34	5.0		µg/L	1	2/23/2023 9:05:00 PM
Chloroform	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
2-Butanone	ND	10		µg/L	1	2/23/2023 9:05:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Trichloroethene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Benzene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Bromoform	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/23/2023 9:05:00 PM
2-Hexanone	ND	10		µg/L	1	2/23/2023 9:05:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Toluene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Chlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Ethylbenzene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Styrene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
m,p-Xylene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
o-Xylene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	2/23/2023 9:05:00 PM
Methyl Acetate	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	35	5.0		µg/L	1	2/23/2023 9:05:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM

Adirondack Environmental Services, Inc**Date:** 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-2B0217
Collection Date: 2/17/2023 11:28:00 AM
Lab Sample ID: 230221063-003
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Cyclohexane	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	2/23/2023 9:05:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:05:00 PM
Surr: 1,2-Dichloroethane-d4	97.2	74-127		%REC	1	2/23/2023 9:05:00 PM
Surr: 4-Bromofluorobenzene	90.2	74-128		%REC	1	2/23/2023 9:05:00 PM
Surr: Toluene-d8	83.0	75-127		%REC	1	2/23/2023 9:05:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-30217
Collection Date: 2/17/2023 10:27:00 AM
Lab Sample ID: 230221063-004
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Chloromethane	ND	10		µg/L	1	2/23/2023 9:27:00 PM
Bromomethane	ND	10		µg/L	1	2/23/2023 9:27:00 PM
Vinyl chloride	ND	10		µg/L	1	2/23/2023 9:27:00 PM
Chloroethane	ND	10		µg/L	1	2/23/2023 9:27:00 PM
Methylene chloride	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Acetone	ND	10		µg/L	1	2/23/2023 9:27:00 PM
Carbon disulfide	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Chloroform	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
2-Butanone	ND	10		µg/L	1	2/23/2023 9:27:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Trichloroethene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Benzene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Bromoform	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/23/2023 9:27:00 PM
2-Hexanone	ND	10		µg/L	1	2/23/2023 9:27:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Toluene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Chlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Ethylbenzene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Styrene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
m,p-Xylene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
o-Xylene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	2/23/2023 9:27:00 PM
Methyl Acetate	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-30217
Collection Date: 2/17/2023 10:27:00 AM
Lab Sample ID: 230221063-004
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Cyclohexane	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	2/23/2023 9:27:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:27:00 PM
Surr: 1,2-Dichloroethane-d4	95.6	74-127		%REC	1	2/23/2023 9:27:00 PM
Surr: 4-Bromofluorobenzene	89.3	74-128		%REC	1	2/23/2023 9:27:00 PM
Surr: Toluene-d8	81.9	75-127		%REC	1	2/23/2023 9:27:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-40217
Collection Date: 2/17/2023 11:03:00 AM
Lab Sample ID: 230221063-005
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Chloromethane	ND	10		µg/L	1	2/23/2023 9:49:00 PM
Bromomethane	ND	10		µg/L	1	2/23/2023 9:49:00 PM
Vinyl chloride	ND	10		µg/L	1	2/23/2023 9:49:00 PM
Chloroethane	ND	10		µg/L	1	2/23/2023 9:49:00 PM
Methylene chloride	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Acetone	ND	10		µg/L	1	2/23/2023 9:49:00 PM
Carbon disulfide	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Chloroform	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
2-Butanone	ND	10		µg/L	1	2/23/2023 9:49:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Trichloroethene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Benzene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Bromoform	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/23/2023 9:49:00 PM
2-Hexanone	ND	10		µg/L	1	2/23/2023 9:49:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Toluene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Chlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Ethylbenzene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Styrene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
m,p-Xylene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
o-Xylene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	2/23/2023 9:49:00 PM
Methyl Acetate	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-40217
Collection Date: 2/17/2023 11:03:00 AM
Lab Sample ID: 230221063-005
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Cyclohexane	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	2/23/2023 9:49:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	2/23/2023 9:49:00 PM
Surr: 1,2-Dichloroethane-d4	95.0	74-127		%REC	1	2/23/2023 9:49:00 PM
Surr: 4-Bromofluorobenzene	90.4	74-128		%REC	1	2/23/2023 9:49:00 PM
Surr: Toluene-d8	85.4	75-127		%REC	1	2/23/2023 9:49:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-50217
Collection Date: 2/17/2023 10:18:00 AM
Lab Sample ID: 230221063-006
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Chloromethane	ND	10		µg/L	1	2/23/2023 10:10:00 PM
Bromomethane	ND	10		µg/L	1	2/23/2023 10:10:00 PM
Vinyl chloride	ND	10		µg/L	1	2/23/2023 10:10:00 PM
Chloroethane	ND	10		µg/L	1	2/23/2023 10:10:00 PM
Methylene chloride	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Acetone	ND	10		µg/L	1	2/23/2023 10:10:00 PM
Carbon disulfide	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Chloroform	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
2-Butanone	ND	10		µg/L	1	2/23/2023 10:10:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Trichloroethene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Benzene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Bromoform	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/23/2023 10:10:00 PM
2-Hexanone	ND	10		µg/L	1	2/23/2023 10:10:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Toluene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Chlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Ethylbenzene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Styrene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
m,p-Xylene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
o-Xylene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	2/23/2023 10:10:00 PM
Methyl Acetate	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates

Client Sample ID: MW-50217

Work Order: 230221063

Collection Date: 2/17/2023 10:18:00 AM

Reference: Plant M-GW / GW ET-979

Lab Sample ID: 230221063-006

PO#:

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Cyclohexane	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	2/23/2023 10:10:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:10:00 PM
Surr: 1,2-Dichloroethane-d4	95.6	74-127		%REC	1	2/23/2023 10:10:00 PM
Surr: 4-Bromofluorobenzene	89.5	74-128		%REC	1	2/23/2023 10:10:00 PM
Surr: Toluene-d8	85.5	75-127		%REC	1	2/23/2023 10:10:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-60217
Collection Date: 2/17/2023 11:09:00 AM
Lab Sample ID: 230221063-007
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Chloromethane	ND	10		µg/L	1	2/23/2023 10:32:00 PM
Bromomethane	ND	10		µg/L	1	2/23/2023 10:32:00 PM
Vinyl chloride	ND	10		µg/L	1	2/23/2023 10:32:00 PM
Chloroethane	ND	10		µg/L	1	2/23/2023 10:32:00 PM
Methylene chloride	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Acetone	ND	10		µg/L	1	2/23/2023 10:32:00 PM
Carbon disulfide	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Chloroform	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
2-Butanone	ND	10		µg/L	1	2/23/2023 10:32:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Trichloroethene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Benzene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Bromoform	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/23/2023 10:32:00 PM
2-Hexanone	ND	10		µg/L	1	2/23/2023 10:32:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Toluene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Chlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Ethylbenzene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Styrene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
m,p-Xylene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
o-Xylene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	2/23/2023 10:32:00 PM
Methyl Acetate	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM

Adirondack Environmental Services, Inc**Date:** 24-Feb-23**CLIENT:** Frontier Technical Associates**Client Sample ID:** MW-60217**Work Order:** 230221063**Collection Date:** 2/17/2023 11:09:00 AM**Reference:** Plant M-GW / GW ET-979**Lab Sample ID:** 230221063-007**PO#:****Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Cyclohexane	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	2/23/2023 10:32:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:32:00 PM
Surr: 1,2-Dichloroethane-d4	94.1	74-127		%REC	1	2/23/2023 10:32:00 PM
Surr: 4-Bromofluorobenzene	89.1	74-128		%REC	1	2/23/2023 10:32:00 PM
Surr: Toluene-d8	85.5	75-127		%REC	1	2/23/2023 10:32:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: MW-70217
Collection Date: 2/17/2023 10:49:00 AM
Lab Sample ID: 230221063-008
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Chloromethane	ND	10		µg/L	1	2/23/2023 10:54:00 PM
Bromomethane	ND	10		µg/L	1	2/23/2023 10:54:00 PM
Vinyl chloride	ND	10		µg/L	1	2/23/2023 10:54:00 PM
Chloroethane	ND	10		µg/L	1	2/23/2023 10:54:00 PM
Methylene chloride	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Acetone	ND	10		µg/L	1	2/23/2023 10:54:00 PM
Carbon disulfide	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Chloroform	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
2-Butanone	ND	10		µg/L	1	2/23/2023 10:54:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Trichloroethene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Benzene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Bromoform	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/23/2023 10:54:00 PM
2-Hexanone	ND	10		µg/L	1	2/23/2023 10:54:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Toluene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Chlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Ethylbenzene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Styrene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
m,p-Xylene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
o-Xylene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	2/23/2023 10:54:00 PM
Methyl Acetate	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates

Client Sample ID: MW-70217

Work Order: 230221063

Collection Date: 2/17/2023 10:49:00 AM

Reference: Plant M-GW / GW ET-979

Lab Sample ID: 230221063-008

PO#:

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Cyclohexane	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	2/23/2023 10:54:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	2/23/2023 10:54:00 PM
Surr: 1,2-Dichloroethane-d4	92.3	74-127		%REC	1	2/23/2023 10:54:00 PM
Surr: 4-Bromofluorobenzene	87.9	74-128		%REC	1	2/23/2023 10:54:00 PM
Surr: Toluene-d8	84.5	75-127		%REC	1	2/23/2023 10:54:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: DUP
Collection Date: 2/17/2023
Lab Sample ID: 230221063-009
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Chloromethane	ND	10		µg/L	1	2/23/2023 11:15:00 PM
Bromomethane	ND	10		µg/L	1	2/23/2023 11:15:00 PM
Vinyl chloride	ND	10		µg/L	1	2/23/2023 11:15:00 PM
Chloroethane	ND	10		µg/L	1	2/23/2023 11:15:00 PM
Methylene chloride	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Acetone	ND	10		µg/L	1	2/23/2023 11:15:00 PM
Carbon disulfide	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Chloroform	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
2-Butanone	ND	10		µg/L	1	2/23/2023 11:15:00 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Trichloroethene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Benzene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Bromoform	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	2/23/2023 11:15:00 PM
2-Hexanone	ND	10		µg/L	1	2/23/2023 11:15:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Toluene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Chlorobenzene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Ethylbenzene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Styrene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
m,p-Xylene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
o-Xylene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Methyl tert-butyl ether	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Dichlorodifluoromethane	ND	10		µg/L	1	2/23/2023 11:15:00 PM
Methyl Acetate	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Trichlorofluoromethane	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM

Adirondack Environmental Services, Inc

Date: 24-Feb-23

CLIENT: Frontier Technical Associates
Work Order: 230221063
Reference: Plant M-GW / GW ET-979
PO#:

Client Sample ID: DUP
Collection Date: 2/17/2023
Lab Sample ID: 230221063-009
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS EPA 8260C (SW5030C PREP)						Analyst: MG
Cyclohexane	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Methyl Cyclohexane	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
1,2-Dibromoethane	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Isopropylbenzene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	1	2/23/2023 11:15:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	2/23/2023 11:15:00 PM
Surr: 1,2-Dichloroethane-d4	94.3	74-127		%REC	1	2/23/2023 11:15:00 PM
Surr: 4-Bromofluorobenzene	87.4	74-128		%REC	1	2/23/2023 11:15:00 PM
Surr: Toluene-d8	82.8	75-127		%REC	1	2/23/2023 11:15:00 PM

CLIENT: Frontier Technical Associates
Work Order: 230221063
Project: Plant M-GW

ANALYTICAL QC SUMMARY REPORT**BatchID: R217602A**

mblk	SeqNo: 3498003	TestNo: SW8260C	RunNo: 217602
	Samp ID: vblk	Units: µg/L	Analysis Date: 2/23/2023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2-Butanone	ND	10									
2-Hexanone	ND	10									
4-Methyl-2-pentanone	ND	10									
Acetone	ND	10									
Benzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	10									
Carbon disulfide	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	10									
Chloroform	ND	5.0									
Chloromethane	ND	10									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Cyclohexane	ND	5.0									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Frontier Technical Associates
Work Order: 230221063
Project: Plant M-GW

ANALYTICAL QC SUMMARY REPORT

BatchID: R217602A

mbk	SeqNo: 3498003	TestNo: SW8260C	RunNo: 217602
	Samp ID: vblk	Units: µg/L	Analysis Date: 2/23/2023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0									
Dichlorodifluoromethane	ND	10									
Ethylbenzene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	5.0									
Methyl Acetate	ND	5.0									
Methyl Cyclohexane	ND	5.0									
Methyl tert-butyl ether	ND	5.0									
Methylene chloride	ND	5.0									
o-Xylene	ND	5.0									
Styrene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
trans-1,3-Dichloropropene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	10									
Surr: 1,2-Dichloroethane-d4	46.39	5.0	50	0	92.8	74	127	0	0		
Surr: 4-Bromofluorobenzene	46.35	5.0	50	0	92.7	74	128	0	0		
Surr: Toluene-d8	42.95	5.0	50	0	85.9	75	127	0	0		

ics	SeqNo: 3498001	TestNo: SW8260C	RunNo: 217602
	Samp ID: ics	Units: µg/L	Analysis Date: 2/23/2023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	25.38	5.0	25	0	102	72.3	121	0	0		
1,1,2,2-Tetrachloroethane	20.89	5.0	25	0	83.6	72.3	118	0	0		
1,1,2-Trichloro-1,2,2-trifluoroethane	20.17	5.0	25	0	80.7	71.8	134	0	0		
1,1,2-Trichloroethane	24.03	5.0	25	0	96.1	73.1	123	0	0		
1,1-Dichloroethane	33.43	5.0	25	0	134	73.2	127	0	0		S
1,1-Dichloroethene	38.58	5.0	25	0	154	70.3	128	0	0		S
1,2,4-Trichlorobenzene	22.38	5.0	25	0	89.5	67.1	128	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Frontier Technical Associates
Work Order: 230221063
Project: Plant M-GW

ANALYTICAL QC SUMMARY REPORT

BatchID: R217602A

ICS	SeqNo: 3498001	TestNo: SW8260C	RunNo: 217602
	Samp ID: ICS	Units: µg/L	Analysis Date: 2/23/2023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	19.81	10	25	0	79.2	67.5	133	0	0		
1,2-Dibromoethane	23.6	5.0	25	0	94.4	73.6	126	0	0		
1,2-Dichlorobenzene	21.75	5.0	25	0	87	71	124	0	0		
1,2-Dichloroethane	28.45	5.0	25	0	114	72.5	127	0	0		
1,2-Dichloropropane	23.7	5.0	25	0	94.8	73.6	124	0	0		
1,3-Dichlorobenzene	23.17	5.0	25	0	92.7	72.2	121	0	0		
1,4-Dichlorobenzene	21.85	5.0	25	0	87.4	71.7	127	0	0		
2-Butanone	25.99	10	25	0	104	65.1	132	0	0		
2-Hexanone	24.5	10	25	0	98	64.4	131	0	0		
4-Methyl-2-pentanone	25.57	10	25	0	102	68.7	118	0	0		
Acetone	25	10	25	0	100	69.2	133	0	0		
Benzene	24.82	5.0	25	0	99.3	71.2	122	0	0		
Bromodichloromethane	22.45	5.0	25	0	89.8	73.1	124	0	0		
Bromoform	23.28	5.0	25	0	93.1	68.2	120	0	0		
Bromomethane	21.37	10	25	0	85.5	65.7	133	0	0		
Carbon disulfide	18.41	5.0	25	0	73.6	67.8	134	0	0		
Carbon tetrachloride	25.01	5.0	25	0	100	74.5	122	0	0		
Chlorobenzene	21.99	5.0	25	0	88	72.7	124	0	0		
Chloroethane	28.82	10	25	0	115	72.3	136	0	0		
Chloroform	29.95	5.0	25	0	120	71.6	133	0	0		
Chloromethane	28.53	10	25	0	114	55.7	134	0	0		
cis-1,2-Dichloroethene	30.67	5.0	25	0	123	73.1	129	0	0		
cis-1,3-Dichloropropene	24.66	5.0	25	0	98.6	73.3	119	0	0		
Cyclohexane	19.2	5.0	25	0	76.8	70.6	131	0	0		
Dibromochloromethane	22.1	5.0	25	0	88.4	70.6	124	0	0		
Dichlorodifluoromethane	34.63	10	25	0	139	53.9	139	0	0		
Ethylbenzene	22.91	5.0	25	0	91.6	70.9	126	0	0		
Isopropylbenzene	22.16	5.0	25	0	88.6	70.5	123	0	0		
m,p-Xylene	44.75	5.0	50	0	89.5	72.1	124	0	0		
Methyl Acetate	9.02	5.0	12.5	0	72.2	65.4	129	0	0		
Methyl Cyclohexane	16.69	5.0	12.5	0	134	66.2	128	0	0		S
Methyl tert-butyl ether	16.24	5.0	12.5	0	130	74.2	129	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Frontier Technical Associates
Work Order: 230221063
Project: Plant M-GW

ANALYTICAL QC SUMMARY REPORT

BatchID: R217602A

ICS	SeqNo: 3498001	TestNo: SW8260C	RunNo: 217602
	Samp ID: ICS	Units: µg/L	Analysis Date: 2/23/2023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	31.24	5.0	25	0	125	66.3	130	0	0		
o-Xylene	22.43	5.0	25	0	89.7	73.6	122	0	0		
Styrene	25.14	5.0	25	0	101	72.7	127	0	0		
Tetrachloroethene	27.08	5.0	25	0	108	72.4	119	0	0		
Toluene	24.41	5.0	25	0	97.6	71.8	116	0	0		
trans-1,2-Dichloroethene	36.45	5.0	25	0	146	70.3	120	0	0		S
trans-1,3-Dichloropropene	26.43	5.0	25	0	106	71.8	120	0	0		
Trichloroethene	26.19	5.0	25	0	105	73	127	0	0		
Trichlorofluoromethane	32.22	5.0	25	0	129	69.4	133	0	0		
Vinyl chloride	34.33	10	25	0	137	65.2	134	0	0		S
Surr: 1,2-Dichloroethane-d4	48.88	5.0	50	0	97.8	74	127	0	0		
Surr: 4-Bromofluorobenzene	46.31	5.0	50	0	92.6	74	128	0	0		
Surr: Toluene-d8	43.73	5.0	50	0	87.5	75	127	0	0		

LCSD	SeqNo: 3498002	TestNo: SW8260C	RunNo: 217602
	Samp ID: LCSD	Units: µg/L	Analysis Date: 2/23/2023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	28.83	10	25	0	115	55.7	134	0	0		
Bromomethane	21.2	10	25	0	84.8	65.7	133	0	0		
Vinyl chloride	34.33	10	25	0	137	65.2	134	0	0		S
Chloroethane	27.59	10	25	0	110	72.3	136	0	0		
Methylene chloride	31.87	5.0	25	0	127	66.3	130	0	0		
Acetone	26.97	10	25	0	108	69.2	133	0	0		
Carbon disulfide	18.61	5.0	25	0	74.4	67.8	134	0	0		
1,1-Dichloroethene	38.47	5.0	25	0	154	70.3	128	0	0		S
1,1-Dichloroethane	34.38	5.0	25	0	138	73.2	127	0	0		S
trans-1,2-Dichloroethene	37.02	5.0	25	0	148	70.3	120	0	0		S
cis-1,2-Dichloroethene	31.8	5.0	25	0	127	73.1	129	0	0		
Chloroform	31.02	5.0	25	0	124	71.6	133	0	0		
1,2-Dichloroethane	29.52	5.0	25	0	118	72.5	127	0	0		
2-Butanone	28.83	10	25	0	115	65.1	132	0	0		
1,1,1-Trichloroethane	26.31	5.0	25	0	105	72.3	121	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Frontier Technical Associates
Work Order: 230221063
Project: Plant M-GW

ANALYTICAL QC SUMMARY REPORT

BatchID: R217602A

LCSD	SeqNo: 3498002	TestNo: SW8260C	RunNo: 217602
	Samp ID: LCSD	Units: µg/L	Analysis Date: 2/23/2023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	26.14	5.0	25	0	105	74.5	122	0	0		
Bromodichloromethane	23.66	5.0	25	0	94.6	73.1	124	0	0		
1,2-Dichloropropane	24.89	5.0	25	0	99.6	73.6	124	0	0		
cis-1,3-Dichloropropene	26.55	5.0	25	0	106	73.3	119	0	0		
Trichloroethene	27.53	5.0	25	0	110	73	127	0	0		
Dibromochloromethane	23.32	5.0	25	0	93.3	70.6	124	0	0		
1,1,2-Trichloroethane	25.53	5.0	25	0	102	73.1	123	0	0		
Benzene	25.6	5.0	25	0	102	71.2	122	0	0		
trans-1,3-Dichloropropene	27.92	5.0	25	0	112	71.8	120	0	0		
Bromoform	24.87	5.0	25	0	99.5	68.2	120	0	0		
4-Methyl-2-pentanone	27.62	10	25	0	110	68.7	118	0	0		
2-Hexanone	27.35	10	25	0	109	64.4	131	0	0		
Tetrachloroethene	28.25	5.0	25	0	113	72.4	119	0	0		
1,1,2,2-Tetrachloroethane	22.25	5.0	25	0	89	72.3	118	0	0		
Toluene	26.04	5.0	25	0	104	71.8	116	0	0		
Chlorobenzene	22.82	5.0	25	0	91.3	72.7	124	0	0		
Ethylbenzene	23.91	5.0	25	0	95.6	70.9	126	0	0		
Styrene	26.49	5.0	25	0	106	72.7	127	0	0		
m,p-Xylene	46.27	5.0	50	0	92.5	72.1	124	0	0		
o-Xylene	23.08	5.0	25	0	92.3	73.6	122	0	0		
Methyl tert-butyl ether	17	5.0	12.5	0	136	74.2	129	0	0		S
Dichlorodifluoromethane	33.45	10	25	0	134	53.9	139	0	0		
Methyl Acetate	10.16	5.0	12.5	0	81.3	65.4	129	0	0		
1,1,2-Trichloro-1,2,2-trifluoroethane	19.89	5.0	25	0	79.6	71.8	134	0	0		
Trichlorofluoromethane	27.57	5.0	25	0	110	69.4	133	0	0		
Cyclohexane	19.49	5.0	25	0	78	70.6	131	0	0		
Methyl Cyclohexane	16.9	5.0	12.5	0	135	66.2	128	0	0		S
1,2-Dibromoethane	24.9	5.0	25	0	99.6	73.6	126	0	0		
1,3-Dichlorobenzene	24.63	5.0	25	0	98.5	72.2	121	0	0		
Isopropylbenzene	23.13	5.0	25	0	92.5	70.5	123	0	0		
1,2-Dichlorobenzene	23.06	5.0	25	0	92.2	71	124	0	0		
1,4-Dichlorobenzene	22.99	5.0	25	0	92	71.7	127	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Frontier Technical Associates
Work Order: 230221063
Project: Plant M-GW

ANALYTICAL QC SUMMARY REPORT

BatchID: R217602A

LCSD	SeqNo: 3498002	TestNo: SW8260C	RunNo: 217602
	Samp ID: LCSD	Units: µg/L	Analysis Date: 2/23/2023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	23.27	10	25	0	93.1	67.5	133	0	0		
1,2,4-Trichlorobenzene	25.81	5.0	25	0	103	67.1	128	0	0		
Surr: 1,2-Dichloroethane-d4	48.8	5.0	50	0	97.6	74	127	0	0		
Surr: 4-Bromofluorobenzene	46.18	5.0	50	0	92.4	74	128	0	0		
Surr: Toluene-d8	43.52	5.0	50	0	87	75	127	0	0		

ms	SeqNo: 3498139	TestNo: SW8260C	RunNo: 217638
	Samp ID: 230221063-001a (MW-1B0217)	Units: µg/L	Analysis Date: 2/24/2023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	10.22	0.50	10	0	102	71.6	126	0	0		
1,1,2,2-Tetrachloroethane	8.14	0.50	10	0	81.4	70.1	123	0	0		
1,1,2-Trichloro-1,2,2-trifluoroethane	6.56	0.50	5	0	131	68.2	138	0	0		
1,1,2-Trichloroethane	9.6	0.50	10	0	96	72.1	119	0	0		
1,1-Dichloroethane	13.62	0.50	10	0	136	70.4	126	0	0		S
1,1-Dichloroethene	15.55	0.50	10	0	156	70.2	125	0	0		S
1,2,4-Trichlorobenzene	10.68	0.50	10	0	107	57.1	121	0	0		B
1,2-Dibromo-3-chloropropane	7.77	0.50	10	0	77.7	63.9	132	0	0		
1,2-Dibromoethane	9.26	0.50	10	0	92.6	69.6	122	0	0		
1,2-Dichlorobenzene	8.69	0.50	10	0	86.9	70.2	123	0	0		
1,2-Dichloroethane	11.97	0.50	10	0	120	73.5	126	0	0		
1,2-Dichloropropane	9.36	0.50	10	0	93.6	70.5	121	0	0		
1,3-Dichlorobenzene	8.77	0.50	10	0	87.7	70.4	124	0	0		
1,4-Dichlorobenzene	8.55	0.50	10	0	85.5	70.8	127	0	0		
2-Butanone	5.18	5.0	10	0	51.8	60.5	123	0	0		S
2-Hexanone	ND	5.0	10	0	0	62.2	129	0	0		S
4-Methyl-2-pentanone	8.5	5.0	10	0	85	52.8	133	0	0		
Acetone	7.63	5.0	10	0	76.3	56.3	135	0	0		
Benzene	10.07	0.50	10	0	101	70.2	127	0	0		
Bromodichloromethane	8.92	0.50	10	0	89.2	71.2	120	0	0		
Bromoform	9.78	0.50	10	0	97.8	67.4	120	0	0		
Carbon disulfide	7.65	0.50	5	0	153	62.2	130	0	0		S
Carbon tetrachloride	10.22	0.50	10	0	102	56.4	137	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Frontier Technical Associates
Work Order: 230221063
Project: Plant M-GW

ANALYTICAL QC SUMMARY REPORT

BatchID: R217602A

ms	SeqNo: 3498139	TestNo: SW8260C	RunNo: 217638
	Samp ID: 230221063-001a (MW-1B0217)	Units: µg/L	Analysis Date: 2/24/2023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	8.66	0.50	10	0	86.6	72.7	128	0	0		
Chloroform	12.67	0.50	10	0	127	70.2	125	0	0		S
cis-1,2-Dichloroethene	12.83	0.50	10	0	128	66.5	129	0	0		
cis-1,3-Dichloropropene	9.23	0.50	10	0	92.3	68.1	124	0	0		
Cyclohexane	7.11	0.50	5	0	142	69.4	125	0	0		S
Dibromochloromethane	8.91	0.50	10	0	89.1	69.5	123	0	0		
Ethylbenzene	8.72	0.50	10	0	87.2	71.9	129	0	0		
Isopropylbenzene	8.59	0.50	10	0	85.9	72.2	123	0	0		
m,p-Xylene	17.16	0.50	20	0	85.8	72	130	0	0		
Methyl Acetate	2.25	0.50	5	0	45	57.6	134	0	0		S
Methyl Cyclohexane	5.58	0.50	5	0	112	66.6	121	0	0		
Methyl tert-butyl ether	6.44	0.50	5	0	129	72.4	131	0	0		
Methylene chloride	13.06	0.50	10	0	131	65.3	123	0	0		S
o-Xylene	8.6	0.50	10	0	86	72.9	126	0	0		
Styrene	9.09	0.50	10	0	90.9	68.7	124	0	0		
Tetrachloroethene	10.59	0.50	10	0	106	74.5	121	0	0		
Toluene	9.87	0.50	10	0	98.7	73	122	0	0		
trans-1,2-Dichloroethene	14.77	0.50	10	0	148	69.1	133	0	0		S
trans-1,3-Dichloropropene	9.17	0.50	10	0	91.7	67.8	122	0	0		
Trichloroethene	10.45	0.50	10	0	104	71.1	126	0	0		
Surr: 1,2-Dichloroethane-d4	48.58	5.0	50	0	97.2	74	127	0	0		
Surr: 4-Bromofluorobenzene	44.68	5.0	50	0	89.4	74	128	0	0		
Surr: Toluene-d8	41.7	5.0	50	0	83.4	75	127	0	0		

msd	SeqNo: 3498140	TestNo: SW8260C	RunNo: 217638
	Samp ID: 230221063-001a (MW-1B0217)	Units: µg/L	Analysis Date: 2/24/2023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	10.35	0.50	10	0	104	71.6	126	10.22	1.26	20.4	
1,1,2,2-Tetrachloroethane	8.37	0.50	10	0	83.7	70.1	123	8.14	2.79	18.6	
1,1,2-Trichloro-1,2,2-trifluoroethane	6.45	0.50	5	0	129	68.2	138	6.56	1.69	20	
1,1,2-Trichloroethane	9.72	0.50	10	0	97.2	72.1	119	9.6	1.24	20	
1,1-Dichloroethane	14.34	0.50	10	0	143	70.4	126	13.62	5.15	19.2	S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Frontier Technical Associates
Work Order: 230221063
Project: Plant M-GW

ANALYTICAL QC SUMMARY REPORT

BatchID: R217602A

msd	SeqNo: 3498140	TestNo: SW8260C	RunNo: 217638
	Samp ID: 230221063-001a (MW-1B0217)	Units: µg/L	Analysis Date: 2/24/2023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	15.44	0.50	10	0	154	70.2	125	15.55	0.710	16.1	S
1,2,4-Trichlorobenzene	11.93	0.50	10	0	119	57.1	121	10.68	11.1	20	B
1,2-Dibromo-3-chloropropane	8.42	0.50	10	0	84.2	63.9	132	7.77	8.03	20.6	
1,2-Dibromoethane	9.66	0.50	10	0	96.6	69.6	122	9.26	4.23	18.7	
1,2-Dichlorobenzene	9.1	0.50	10	0	91	70.2	123	8.69	4.61	17.9	
1,2-Dichloroethane	11.95	0.50	10	0	120	73.5	126	11.97	0.167	15.6	
1,2-Dichloropropane	9.29	0.50	10	0	92.9	70.5	121	9.36	0.751	21.8	
1,3-Dichlorobenzene	9.01	0.50	10	0	90.1	70.4	124	8.77	2.70	14.3	
1,4-Dichlorobenzene	8.61	0.50	10	0	86.1	70.8	127	8.55	0.699	14.4	
2-Butanone	5.45	5.0	10	0	54.5	60.5	123	5.18	5.08	15	S
2-Hexanone	5.07	5.0	10	0	50.7	62.2	129	0	200	11.6	SZ
4-Methyl-2-pentanone	9.13	5.0	10	0	91.3	52.8	133	8.5	7.15	11.9	
Acetone	7.12	5.0	10	0	71.2	56.3	135	7.63	6.92	10.6	
Benzene	10.18	0.50	10	0	102	70.2	127	10.07	1.09	18.4	
Bromodichloromethane	9.31	0.50	10	0	93.1	71.2	120	8.92	4.28	25.6	
Bromoform	9.92	0.50	10	0	99.2	67.4	120	9.78	1.42	12	
Carbon disulfide	7.82	0.50	5	0	156	62.2	130	7.65	2.20	13.1	S
Carbon tetrachloride	10.47	0.50	10	0	105	56.4	137	10.22	2.42	20.3	
Chlorobenzene	8.74	0.50	10	0	87.4	72.7	128	8.66	0.920	19.6	
Chloroform	12.41	0.50	10	0	124	70.2	125	12.67	2.07	20.3	
cis-1,2-Dichloroethene	12.15	0.50	10	0	122	66.5	129	12.83	5.44	11.3	
cis-1,3-Dichloropropene	9.14	0.50	10	0	91.4	68.1	124	9.23	0.980	21.5	
Cyclohexane	6.96	0.50	5	0	139	69.4	125	7.11	2.13	19.1	S
Dibromochloromethane	9.3	0.50	10	0	93	69.5	123	8.91	4.28	18.8	
Ethylbenzene	8.91	0.50	10	0	89.1	71.9	129	8.72	2.16	16.3	
Isopropylbenzene	8.64	0.50	10	0	86.4	72.2	123	8.59	0.580	20	
m,p-Xylene	17.36	0.50	20	0	86.8	72	130	17.16	1.16	16.1	
Methyl Acetate	1.89	0.50	5	0	37.8	57.6	134	2.25	17.4	15	SZ
Methyl Cyclohexane	5.33	0.50	5	0	107	66.6	121	5.58	4.58	25.4	
Methyl tert-butyl ether	6.49	0.50	5	0	130	72.4	131	6.44	0.773	17.9	
Methylene chloride	12.56	0.50	10	0	126	65.3	123	13.06	3.90	21.4	S
o-Xylene	8.61	0.50	10	0	86.1	72.9	126	8.6	0.116	13	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Frontier Technical Associates
Work Order: 230221063
Project: Plant M-GW

ANALYTICAL QC SUMMARY REPORT

BatchID: R217602A

msd	SeqNo: 3498140	TestNo: SW8260C	RunNo: 217638
	Samp ID: 230221063-001a (MW-1B0217)	Units: µg/L	Analysis Date: 2/24/2023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	9.36	0.50	10	0	93.6	68.7	124	9.09	2.93	21.4	
Tetrachloroethene	10.77	0.50	10	0	108	74.5	121	10.59	1.69	20.9	
Toluene	10.24	0.50	10	0	102	73	122	9.87	3.68	19.4	
trans-1,2-Dichloroethene	14.25	0.50	10	0	143	69.1	133	14.77	3.58	16.1	S
trans-1,3-Dichloropropene	9.24	0.50	10	0	92.4	67.8	122	9.17	0.760	20.3	
Trichloroethene	10.66	0.50	10	0	107	71.1	126	10.45	1.99	16.6	
Surr: 1,2-Dichloroethane-d4	48.13	5.0	50	0	96.3	74	127	0	0	0	
Surr: 4-Bromofluorobenzene	44.34	5.0	50	0	88.7	74	128	0	0	0	
Surr: Toluene-d8	42.39	5.0	50	0	84.8	75	127	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



CHAIN OF CUSTODY RECORD

AES Work Order#:

230221062

CQC Reference:

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Frontier Technical Associates, Inc.		Address: 8675 Main Street, Williamsville, NY 14221	
Send Report to: Kathy Wager		Project Name (Location): ET-977 PLANT-M GW	
Client Phone #: 716-634-2293		Client PO #:	
Client Email: kathy.wager@frontiertechincal.com		Samplers Name: Ron Blinston Samplers Signature: <i>[Signature]</i>	

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=am P=pm	Sample Type			# of Cont's	Preser- vative	Analysis
				Matrix	C	G			
001	MW1B0217	2/17/23	10:41	GW			2	3	8260 TCL
002	MW2A0217		11:22				2	3	
003	MW2B0217		11:28				2	3	
004	MW30217		10:27				2	3	
005	MW40217		11:03				1	3	
006	MW50217		10:18				2	3	
007	MW60217		11:09				1	3	
008	MW70217		10:49				2	3	
009	MS/MSD		11:09				1	3	
	DUP		-				1	3	

Shipment Arrived Via:

☒ FedEx ☐ UPS ☐ Client ☐ AES ☐ Other:

Turnaround Time Requested:

1 Day	2 Day	3 Day	5 Day	Standard
-------	-------	-------	-------	----------

NOTE: Samples received after 3:30pm are considered next business day.

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Special Instructions/Remarks:

STO REPORT + QAVIS

Received by: (Signature)

Received by: (Signature)

Received for Laboratory by:

{Date . Time

2/20/2

Time

4:00 PM

Date	Time
------	------

Date	Time
------	------

2/21/23 10 12

Sample Temperature

Ambient ~ Chilled ~ Chilling Begun

Notes:

Custody Seal Intact: Y / N

Bottles AES: ☒ Y / ☐ N

Properly Preserved: Y / N

0=None

 $5=\text{NH}_4\text{Cl}$

1= H_2SO_4 pH<2

6=Ascorbic Acid

2=HNO₃ pH<2

7=FAS

3=HCl pH<2

8=ZnAc/NaOH pH>9

$$4 = \text{Na}_2\text{S}_2\text{O}_3$$

9=NaOH pH>10

10=Other

Received Within Holding

Times: (Y) / N

Notes:



230221063

APPENDIX C




SSD SYSTEM – WEEKLY CHECKLIST AND READINGS

This document does not contain Technical Data or Technology as defined in the ITAR Part 120.10 or EAR Part 772
SVI Subslab Depressurization System Inspection - Weekly Check - 2022

January – December 2022 (for each week starting on dates shown below)							
1/2/2022 <input checked="" type="checkbox"/>	1/9/2022 <input checked="" type="checkbox"/>	1/16/2022 <input checked="" type="checkbox"/>	1/23/2022 <input checked="" type="checkbox"/>	1/30/2022 <input checked="" type="checkbox"/>	2/6/2022 <input checked="" type="checkbox"/>	2/13/2022 <input checked="" type="checkbox"/>	
2/20/2022 <input checked="" type="checkbox"/>	2/27/2022 <input checked="" type="checkbox"/>	3/6/2022 <input checked="" type="checkbox"/>	3/13/2022 <input checked="" type="checkbox"/>	3/20/2022 <input checked="" type="checkbox"/>	3/27/2022 <input checked="" type="checkbox"/>	4/3/2022 <input checked="" type="checkbox"/>	
4/10/2022 <input checked="" type="checkbox"/>	4/17/2022 <input checked="" type="checkbox"/>	4/24/2022 <input checked="" type="checkbox"/>	5/1/2022 <input checked="" type="checkbox"/>	5/8/2022 <input checked="" type="checkbox"/>	5/15/2022 <input checked="" type="checkbox"/>	5/22/2022 <input checked="" type="checkbox"/>	
5/29/2022 <input checked="" type="checkbox"/>	6/5/2022 <input checked="" type="checkbox"/>	6/12/2022 <input checked="" type="checkbox"/>	6/19/2022 <input checked="" type="checkbox"/>	6/26/2022 <input checked="" type="checkbox"/>	7/3/2022 <input checked="" type="checkbox"/>	7/10/2022 <input checked="" type="checkbox"/>	
7/17/2022 <input checked="" type="checkbox"/>	7/24/2022 <input checked="" type="checkbox"/>	7/31/2022 <input checked="" type="checkbox"/>	8/7/2022 <input checked="" type="checkbox"/>	8/14/2022 <input checked="" type="checkbox"/>	8/21/2022 <input checked="" type="checkbox"/>	8/28/2022 <input checked="" type="checkbox"/>	
9/4/2022 <input checked="" type="checkbox"/>	9/11/2022 <input checked="" type="checkbox"/>	9/18/2022 <input checked="" type="checkbox"/>	9/25/2022 <input checked="" type="checkbox"/>	10/2/2022 <input checked="" type="checkbox"/>	10/9/2022 <input checked="" type="checkbox"/>	10/16/2022 <input checked="" type="checkbox"/>	
10/23/2022 <input checked="" type="checkbox"/>	10/30/2022 <input checked="" type="checkbox"/>	11/6/2022 <input checked="" type="checkbox"/>	11/13/2022 <input checked="" type="checkbox"/>	11/20/2022 <input checked="" type="checkbox"/>	11/27/2022 <input checked="" type="checkbox"/>	12/4/2022 <input checked="" type="checkbox"/>	
12/11/2022 <input checked="" type="checkbox"/>	12/18/2022 <input checked="" type="checkbox"/>	12/25/2022 <input checked="" type="checkbox"/>					

This Calendar documents that the SVI system shows a manometer difference (illustrating a difference in pressure between inside and outside of the pipe) at each of the three monitoring points. A manometer difference means that the system is functioning properly. The documentation is with an checked box next to each week in the calendar above.

Moog Inc. - Building 11 Site No. 915164
SSD System Manometer Readings

Sample Location	Location Description	Sample Identification	January	February	March	April	May	June	Photograph
Plt 11	Isle outside Dev Lab	#1 (North)	.8 .9 .8 .8	.8 .8 .8 .9	.8 .8 .8 .8 .8	.8 .8 .9 .8	.8 .9 .8 .8	.8 .9 .8	
Plt 11	Inside Dyno room	#2 (East)	.4 .4 .4 .4	.4 .3 .4 .4	.4 .4 .4 .4 .5	.4 .4 .4 .4	.4 .4 .5 .4	.4 .4 .4	
Plt 11	Behind Lista Cabinets In Dev Lab	#3 (South)	.8 .7 .8 .8	.8 .8 .8 .8	.8 .8 .8 .8 .9	.8 .7 .8 .8	.8 .8 .8 .8	.8 .9 .8	

APPENDIX D

SUPPLEMENTAL INFORMATION ON GROUNDWATER TREATMENT SYSTEM

PHOTOGRAPHS

Photo 1:



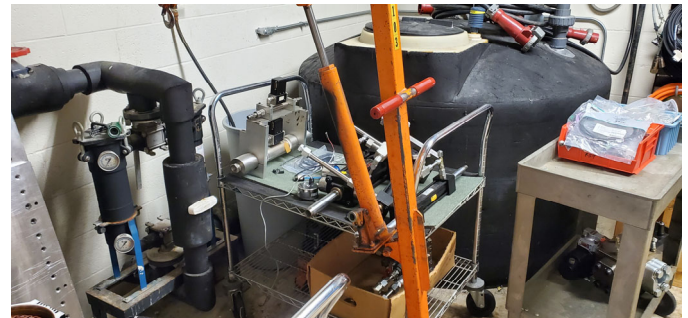
Photo 2:

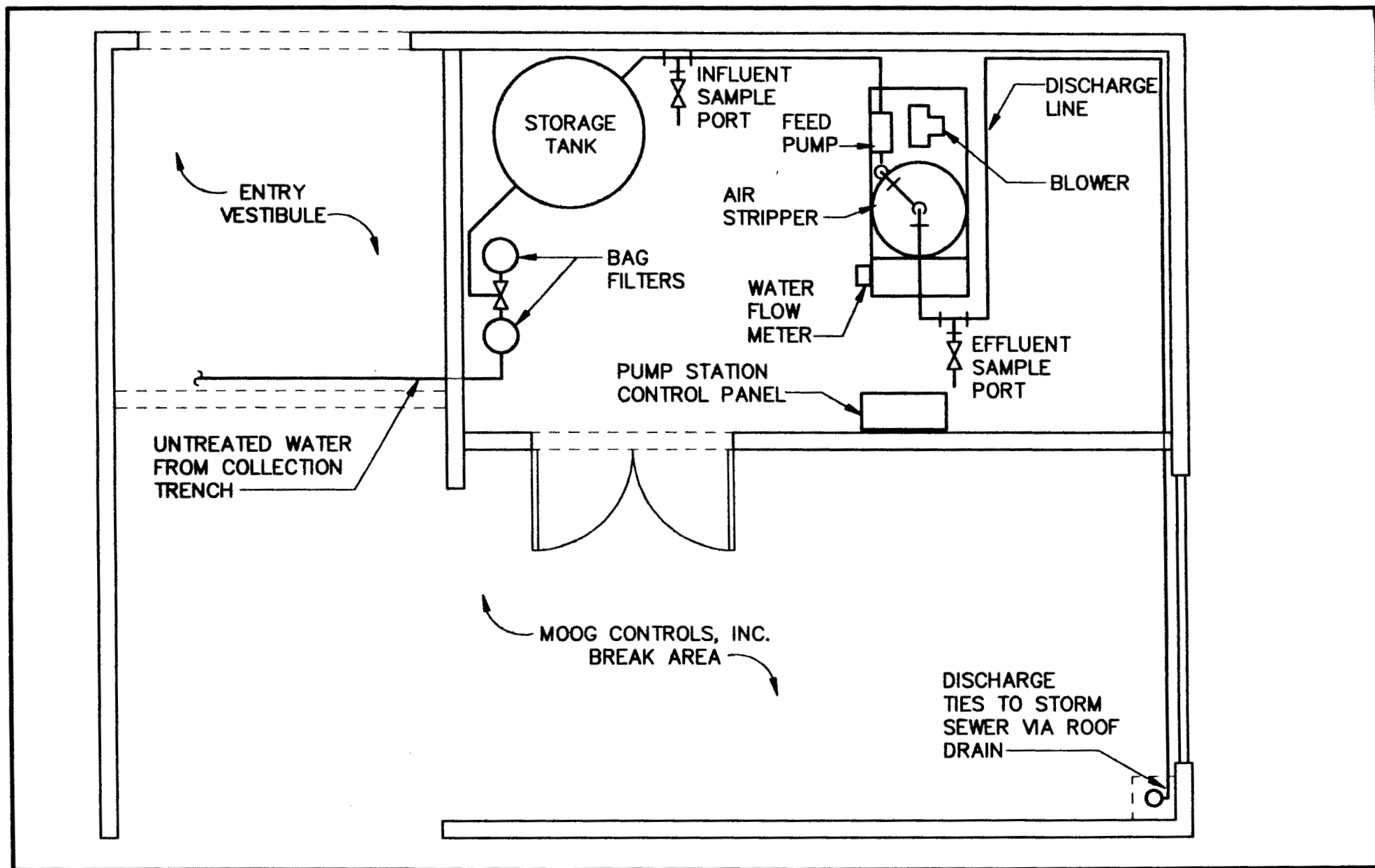


Photo 3:



Photo 4:





**MALCOLM
PIRNIE**

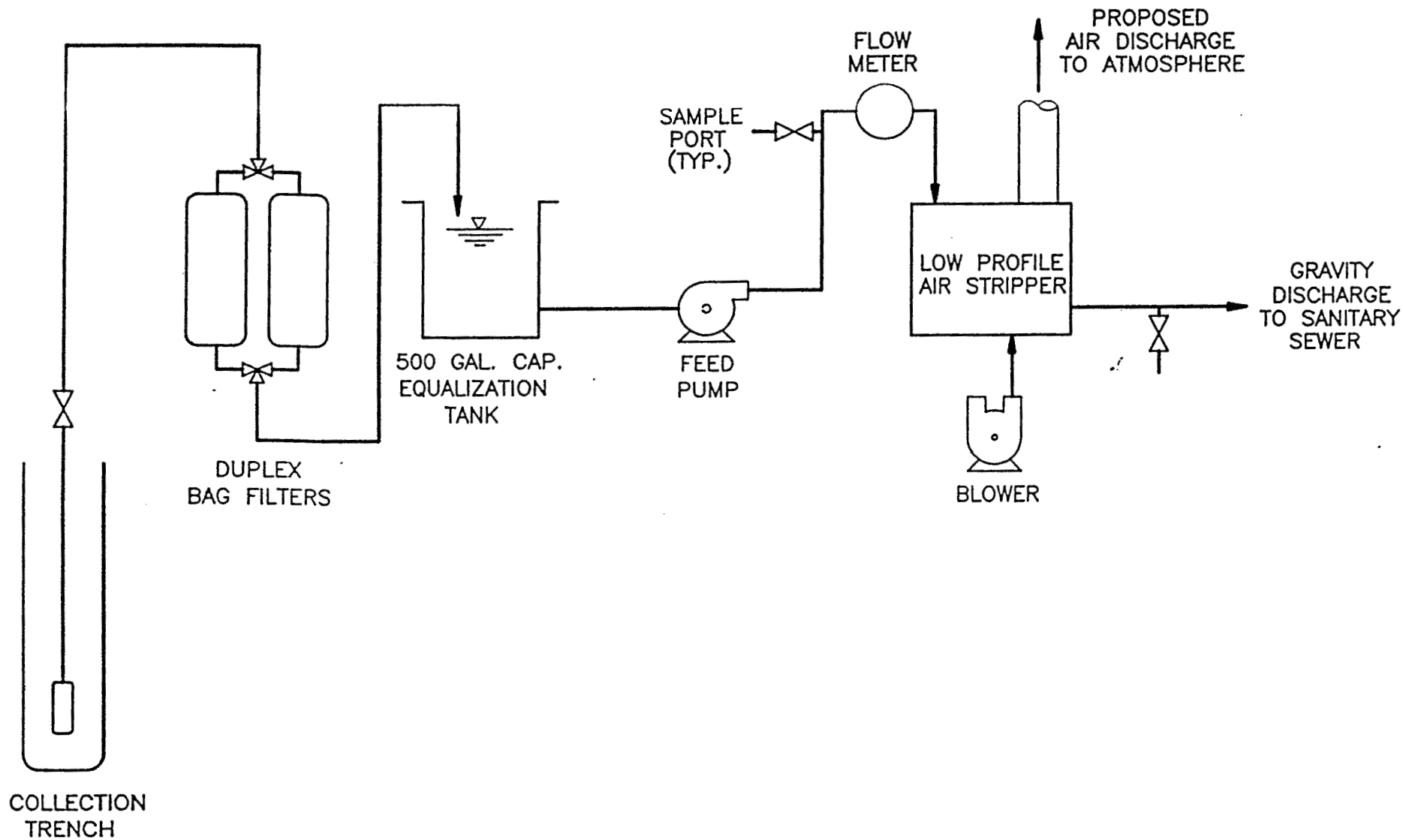
2630RDP2

**EAST AURORA PLANT 11
GROUNDWATER REMEDIATION SYSTEM
PERFORMANCE MONITORING PLAN
SYSTEM SAMPLING LOCATIONS**

MOOG, INC.

JANUARY 1996

FIGURE 2-1



**MALCOLM
PIRNIE**

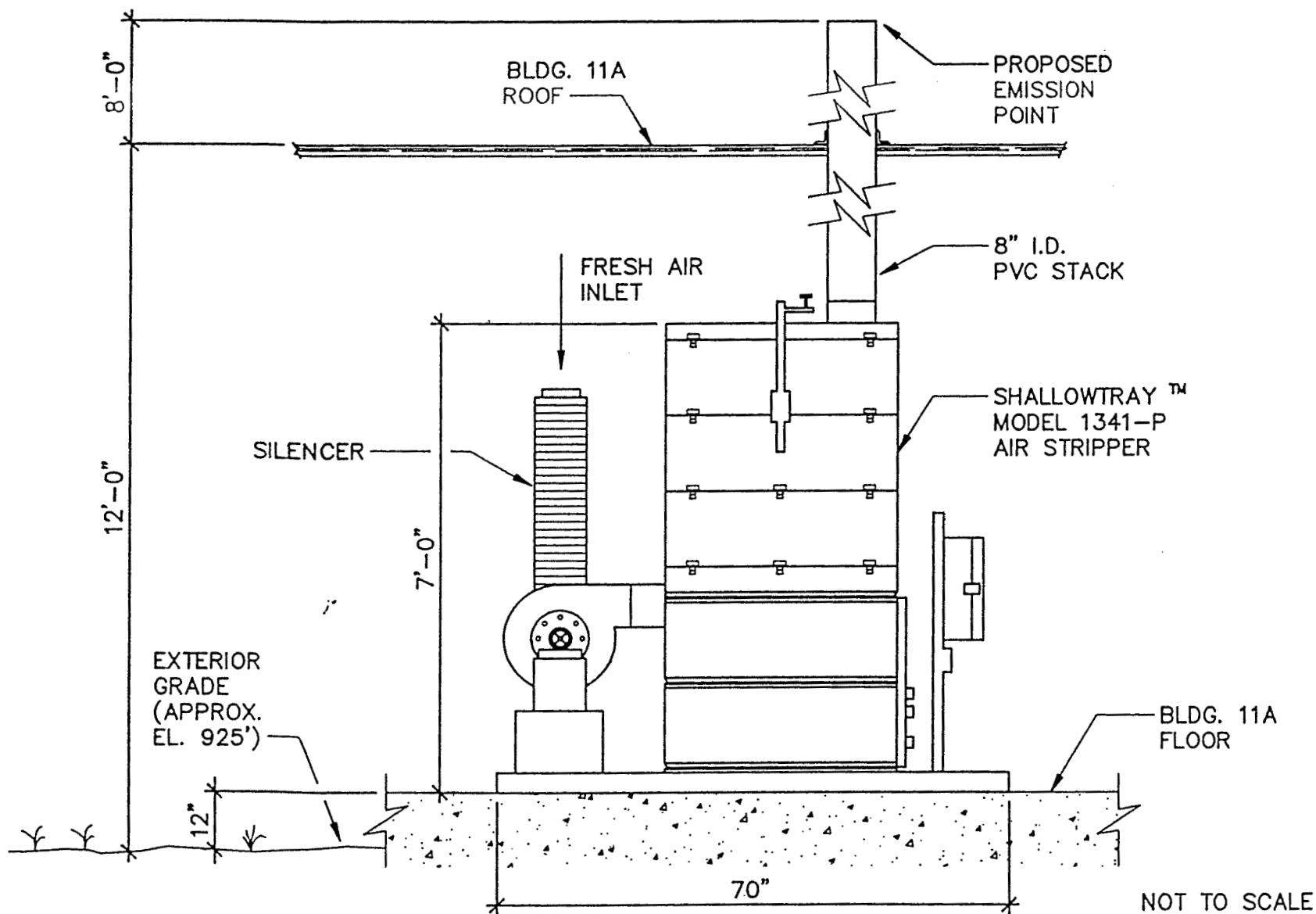
MOOG007

GROUNDWATER REMEDIATION SYSTEM
LOW PROFILE AIR STRIPPER
PROCESS SCHEMATIC

MOOG, INC.

JULY 1995

FIGURE 1



**MALCOLM
PIRNIE**

MOO-00-AIR

GROUNDWATER REMEDIATION SYSTEM
LOW PROFILE AIR STRIPPER
AND STACK ELEVATIONS

MOOG, INC.

JULY 1995

FIGURE 2

APPENDIX E

SITE PHOTOGRAPHS

SITE PHOTOGRAPHS

Photo 1:



Photo 2:

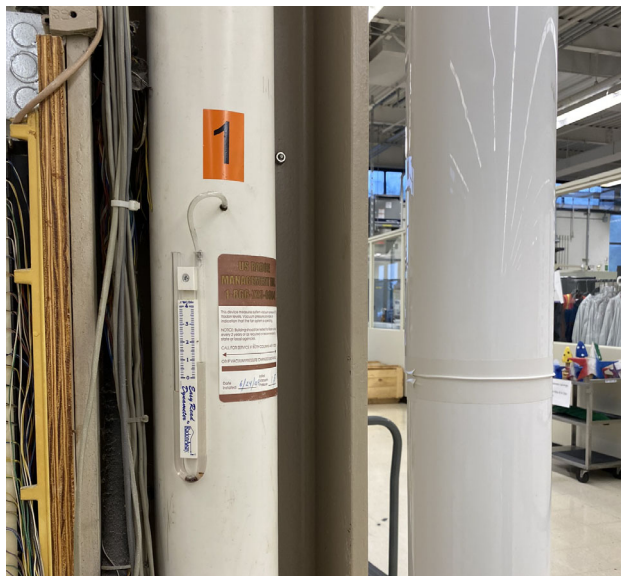


Photo 3:

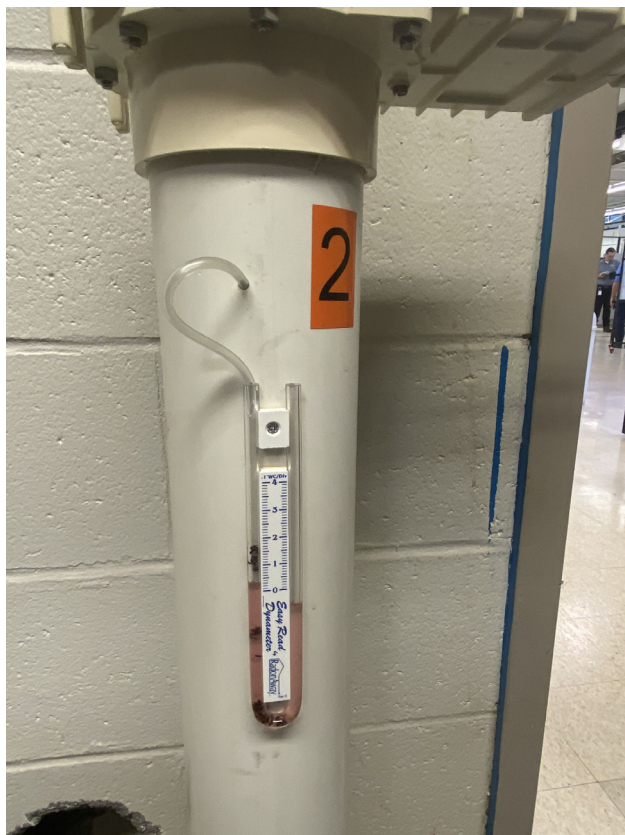


Photo 4:



Photos 1-4: Verification of SSD System Operation on June 27, 2023

SITE PHOTOGRAPHS

Photo 5:



Photo 6:



Photo 7:



Photo 8:



June 27, 2023 Observations

Photo 5: Moog Building 11A, sump, and well MW-6

Photo 6: Moog Building 11A

Photo 7: Moog parking lot

Photo 8: Monitoring wells MW-2A and MW-2B