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FIRST QUARTER 2026 GROUNDWATER AND LEACHATE MONITORING REPORT

KEKAHA LANDFILL PHASE I AND PHASE II

KEKAHA, KAUA‘I, HAWAI‘I

Prepared for

County of Kaua‘i

Department of Public Works
Solid Waste Management Division
Kekaha Landfill, Phase I and Phase II
6900-D Kaumuali‘i Highway
Kekaha, Hawai‘i 96752

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ACRONYMS AND ABBREVIATIONS

µg/L	micrograms per liter
µS/cm	microSiemens per centimeter
AECOM	AECOM Technical Services, Inc.
ASD	alternative source demonstration
ASTM	ASTM International
CFR	Code of Federal Regulations
COD	chemical oxygen demand
County	County of Kaua‘i Department of Public Works
CUSUM	Shewhart-Cumulative Sum
DOH	Department of Health, State of Hawai’i
DQR	data quality review
DUP	duplicate
EAL	Environmental Action Level
FB	field blank
ft	foot or feet
Geosyntec	Geosyntec Consultants, Inc.
GMP	Groundwater and Leachate Monitoring Plan
HAR	Hawai‘i Administrative Rules
J	Result is estimated
KLF	Kekaha Municipal Solid Waste Landfill
MB	method blank
MCL	maximum contaminant level
MDL	method detection limit
mg/L	milligrams per liter
msl	mean sea level
MSW	municipal solid waste
N	nitrogen
ND	non-detect
NTU	nephelometric turbidity unit
ORP	oxidation reduction potential
PCBs	polychlorinated biphenyls
PVC	polyvinylchloride
QA/QC	quality assurance/quality control
RL	reporting limit
RPD	relative percent difference
SHWB	Solid and Hazardous Waste Branch

SSIs	statistically significant increases
SU	standard unit
SVOCs	semi-volatile organic compounds
TA	Eurofins TestAmerica-Denver
TB	trip blank
TDS	total dissolved solids
TOC	total organic carbon
U	Result is below the RL
USEPA	United States Environmental Protection Agency
VOCs	volatile organic compounds

1. INTRODUCTION AND BACKGROUND

This report presents the results of the First Quarter 2026 groundwater and leachate monitoring event completed by Geosyntec Consultants, Inc. (Geosyntec) for the Kekaha Municipal Solid Waste Landfill (KLF; Figure 1 and Figure 2). Field measurements were conducted between February 12 and 16, 2026. The First Quarter 2026 groundwater and leachate monitoring event was conducted in accordance with the Solid Waste Management Permit No. LF-0042-16 issued by the Hawai‘i Department of Health (DOH) (DOH 2019). The purpose of the groundwater and leachate monitoring is to evaluate whether past and/or present municipal solid waste disposal operations have impacted groundwater quality within the coastal plain aquifer beneath the KLF.

1.1 Site Setting

The KLF is located near the southwest coast of the island of Kaua‘i, approximately 1.5 miles northwest of Kekaha and approximately 2,000 feet (ft) from the Pacific Ocean shoreline (Figure 1). The Phase I Landfill occupies approximately 33 acres with ground surface elevations ranging from about 10 to 40 ft above mean sea level (msl). Phase I opened in 1953 and accepted municipal solid waste (MSW) until its closure in 1993.

The Phase II Landfill is lined and hydraulically upgradient of the closed and unlined Phase I Landfill. Phase II Landfill comprises approximately 63 acres, with the permitted waste footprint consisting of the original Phase II Landfill (32.1 acres), the Cell 1 lateral expansion (6.4 acres), and the Cell 2 lateral expansion (5.9 acres). Base elevations range from approximately 7 ft above msl to 12 ft above msl.

No natural streams or lakes exist within or near the facility. The site location is shown on Figure 1, and the site layout is shown on Figure 2.

1.2 Monitoring Plan Update

The KLF Solid Waste Management Permit No. LF-0042.16 Section II.G.9 requires an update of the Groundwater and Leachate Monitoring Plan (GMP) Kekaha Sanitary Landfill (AECOM 2017) within 6 months of the solid waste permit issuance. An updated GMP (Geosyntec 2020) was submitted to the DOH on March 12, 2020. Subsequent correspondence on updates to the GMP, which also discusses updates to the Quarterly Monitoring Reports, includes the following documents:

- Comments from the DOH in a letter dated August 6, 2021 (DOH 2021);
- Summary of Background Reevaluation for Intra-Well Statistics, Geosyntec, July 21, 2022 (Geosyntec 2022);
- Responses by the County of Kaua‘i Department of Public Works (County) to the DOH comments on the updated Draft GMP, August 12, 2022 (County 2022);
- A meeting of the DOH, the County, and Geosyntec on August 31, 2022, to discuss the DOH comments on the updated Draft GMP and the updates to the groundwater monitoring network;

- DOH Letter to the County dated October 3, 2022, presenting their review of (DOH 2022):
  - The County's August 12, 2022, response to DOH comments on the Draft GMP;
  - Geosyntec's Summary of Background Reevaluation for Intra-Well Statistics; and
  - The Second Quarter 2022 Monitoring Report.
- Discussion by the County and Geosyntec on October 14, 2022, to prepare a response to the additional comments and requests by the DOH; and
- County letter to the DOH dated February 6, 2023, presenting a status update and response to additional comments on the GMP, which includes documentation of agreement that beginning in 2023, the monitoring reports will address the Phase I and II landfills together rather than including separate sections in the report for each (County 2023).

In accordance with previous and the recently submitted Monitoring Plan(s) (Geosyntec 2020), statistical evaluation of the groundwater monitoring data is conducted using DUMPStat statistical modeling software,[1] which facilitates application of the methodology presented in *Statistical Methods for Groundwater Monitoring* (Gibbons 1994) and is consistent with United States Environmental Protection Agency (USEPA) and ASTM International (ASTM) guidance on groundwater monitoring at Subtitle D and Subtitle C facilities (DOH 2002).

Three new monitoring wells were installed in November 2025, with their final completion in the First Quarter of 2026 (Geosyntec 2026):

- MWII-6A is located along the eastern margin of the KLF at the northeast and southeast corners of Phase I and II Landfills, respectively, and
- MWII-8 and MWII-9 are located mauka (inland) of the highway.

As discussed with the DOH, the County will include these three new monitoring wells in the next update of the GMP, which will be prepared following issuance of the new solid waste permit. Although the wells have been added to the monitoring network, eight quarters of data must be collected before results can be incorporated into statistical analyses. Once sufficient data have been collected, the two mauka wells (MWII-8 and MWII-9) will be used to update background groundwater concentrations (Figures 2 and 3).

1.3 Elevation Datum

Elevation references in this report are in ft above amsl and are based on the elevation data provided by Esaki Surveying and Mapping Inc., taken on November 4, 2025. This updated survey information uses the elevation as presented for the United States Geological Survey brass monument G10002 plus an additional 1.21 ft, as is described in KLF Solid Waste Management Permit No. LF-0042.16. Coordinates provided in Hawai‘i State Plane North American Datum of

[1] https://www.dsi-software.com/dumpstat.html
[2] The documented elevation for G1000 is 13.24ft. The survey adds 1.21ft per the permit.

1983, Zone 4 U.S. feet. The three new wells that were installed in 2025, and completed in 2026, were surveyed in February 2026 by Honua Engineering, Inc., according to the protocol described above.

1.4 Phase I Landfill

The KLF Phase I Landfill (Figure 2) is a closed, unlined MSW landfill that began accepting waste in 1953 and ceased operations on October 8, 1993. The facility is owned and operated by the County. Groundwater monitoring is currently conducted on a quarterly basis in accordance with assessment monitoring specified in the *Closure/Post Closure Plan* (HLA 1994) and *Groundwater and Leachate Monitoring Plan Kekaha Sanitary Landfill* (AECOM 2017). Following the First Quarter 2020 monitoring event, a revised GMP was submitted (Geosyntec 2020) to the DOH. This revised GMP will apply to future monitoring events upon DOH approval.

Phase I Landfill closure began on May 20, 1994, and was completed on February 13, 1995. Closure construction activities are documented in the *Postconstruction Report, Kekaha Sanitary Landfill, Phase I Closure, Kekaha, Kaua'i, Hawai'i* (HLA 1996). The final cover was designed and constructed in accordance with 40 Code of Federal Regulations (CFR) Part 258, Solid Waste Disposal Facility Criteria under the Resource Conservation and Recovery Act, Subtitle D (USEPA 1991), and DOH Hawai'i Administrative Rules (HAR) Title 11, Subchapter 58 (DOH 1994).

In May 2019, Phase I Landfill groundwater monitoring wells MWI-1, MWI-2, and MWI-3 were decommissioned and replaced with MWI-1A, MWI-2A, and MWI-3A..

1.5 Phase II Landfill

The KLF Phase II Landfill (Figure 2) is an active MSW lined landfill that began accepting solid waste on October 9, 1993. The facility is owned and operated by the County. Groundwater monitoring is currently conducted quarterly in accordance with Geosyntec's GMP and Solid Waste Operating Permit Number LF-0042-16 (issued September 13, 2019, Geosyntec 2020).

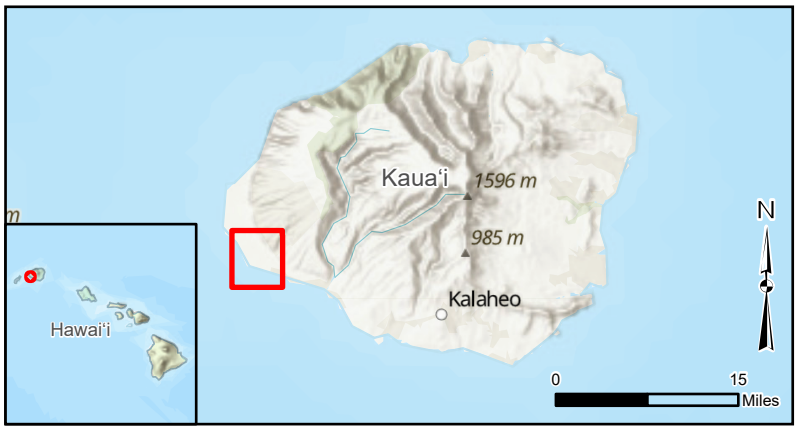
In May 2019, Phase II Landfill monitoring wells MWII-4 and MWII-6 were decommissioned and replaced with MWII-2, MWII-5, and MWII-7. The three wells, MWII-6A, MWII-8, and MWII-9 now comprise the Phase II Landfill groundwater monitoring network (Figure 2).

Several statistically significant increases (SSIs) in parameters, such as ammonia as nitrogen (N), arsenic, calcium, potassium, and total organic carbon (TOC), have been identified in the KLF Phase II Landfill monitoring wells: MWII-2, MWII-5, and MWII-7. Alternative source demonstration (ASD) reports were prepared (Sanifill 1998, WMH 2006, WMH 2007, WMH 2008, GeoChem 2012) suggest that these exceedances likely stem from sources including fertilizer use on nearby agricultural land, biodegradation of organic fill material prior to construction of the Phase II Landfill, naturally occurring arsenic in the volcanic soils, the unlined KLF Phase I Landfill site, and the adjacent aquaculture facility.

In a letter dated May 22, 2014, the DOH, Solid and Hazardous Waste Branch (SHWB) responded to the previously mentioned ASDs with the following comments:

- The ammonia as N SSIs are not related to Phase II Landfill releases, but due to fertilizer compounds associated with upgradient agricultural activities and biodegradation of organic fill materials.
- The TOC SSIs are likely from the Phase I Landfill. SHWB noted that the TOC was detected in the historical Phase I Landfill monitoring wells at significantly greater concentrations and earlier than the detection of TOC in well MWII-6.
- Based on the GeoChem 2012 ASD, SHWB agreed that the calcium and potassium SSIs observed at MWII-7 are not related to Phase II Landfill releases but are associated with impacts from the adjacent aquaculture facility.

In a letter to the DOH dated April 13, 2023, the County indicated that an ASD for exceedance of background limits of site-specific indicator parameters ammonia as N, and TOC at MWI-1A and MWI-2A was not supported by available data or the prior assessment monitoring in the Phase I Landfill operating history. Therefore, the assessment monitoring is continuing at these monitoring wells.



Site Location Map

Kekaha Municipal Solid Waste Landfill
Kauaʻi, Hawaiʻi

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WG3074	January 2026

Figure 1

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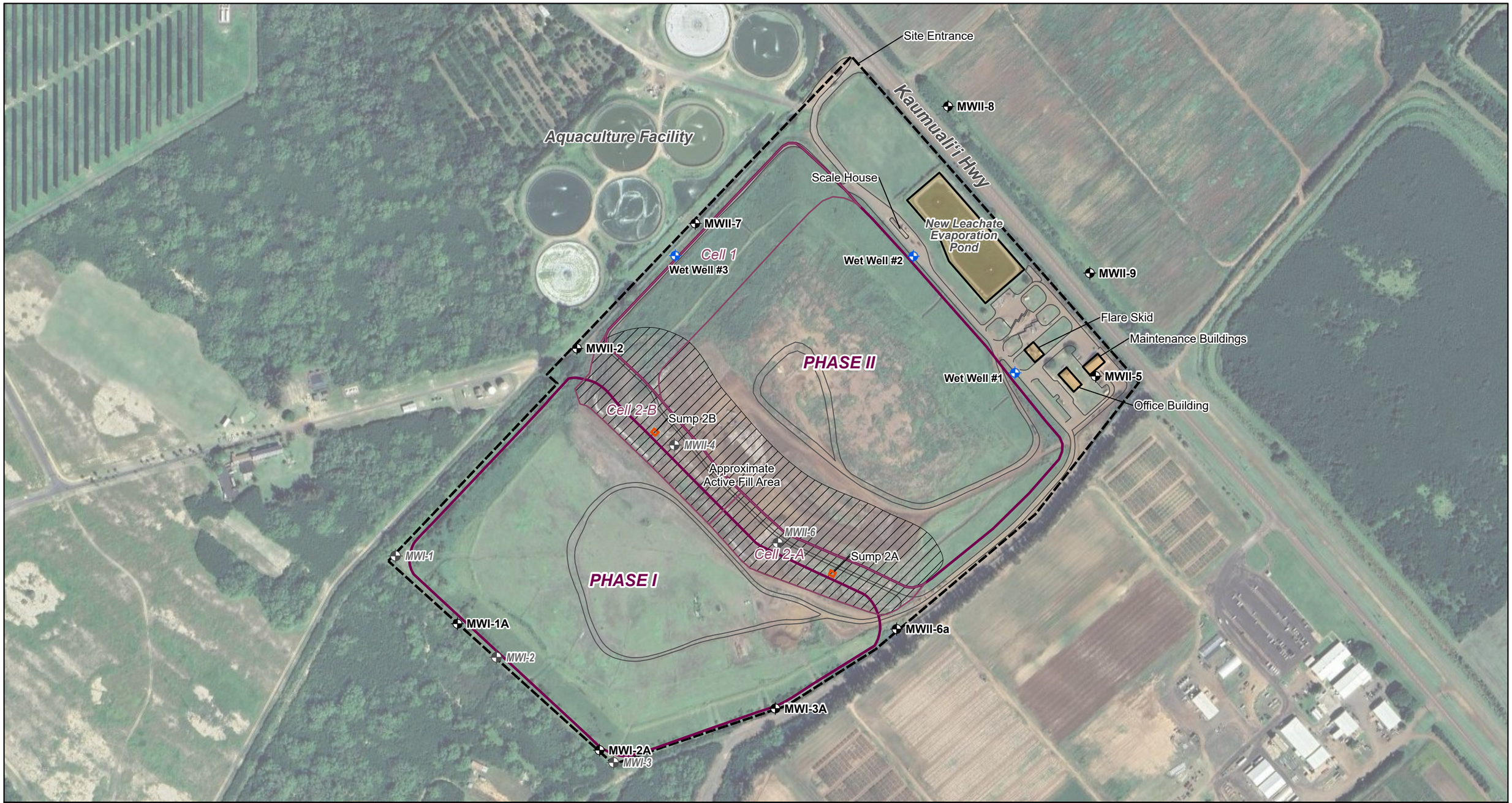

Legend

- Groundwater Monitoring Well
- Wet Well (Leachate Sump)
- Decommissioned Groundwater Monitoring Well
- Approximate Active Landfill Area
- Sump Location
- Phase Boundary
- Cell Boundary
- Roads
- Property Boundary

Notes:
- Aerial imagery source: Google Earth, February 2024.

N

0 350 Feet

Site Layout

Kekaha Municipal Solid Waste Landfill
Kaua'i, Hawai'i

Geosyntec consultants

WG3074 | April 2026

Figure 2

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2. LANDFILL QUARTERLY GROUNDWATER MONITORING

Prior to 2023, groundwater monitoring results for Phase I and Phase II Landfills of the KLF were presented separately. Since monitoring wells MWI-1A, MWI-2A, and MWI-3A now serve as dual purpose downgradient point of compliance monitoring locations for both the Phase I and Phase II Landfill portions of the KLF, the DOH and County agreed that beginning in 2023, reports would address the monitoring results for Phase I and II Landfills together rather than in separate sections in the report.[3] The monitoring activities, analytical results, and evaluations for the First Quarter of 2026 are summarized below.

2.1 Field Monitoring Activities

On February 14 and 15, 2026, Geosyntec personnel measured water levels at the monitoring wells prior to purging and sample collection. During the monitoring event, the nine monitoring wells were inspected and conditions for each were documented in field notes. No issues with the well conditions were identified.

The groundwater elevations, estimated contours, and inferred groundwater flow directions for the First Quarter 2026 monitoring event are presented below in Figure 3. The First Quarter 2026 depth-to-groundwater measurements and the calculated water table elevations for the monitoring wells are presented in Table 1.

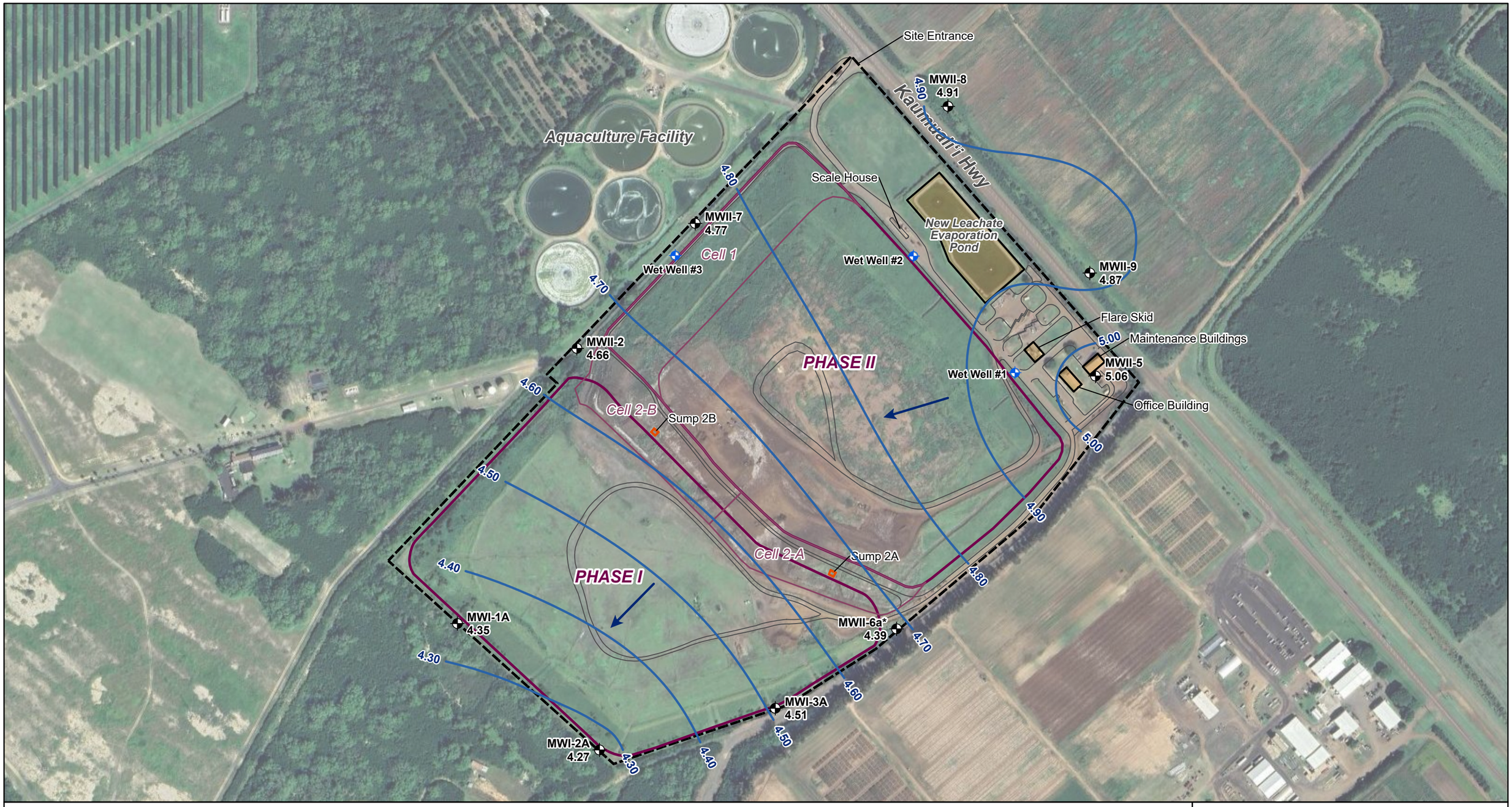
Leachate samples were collected from Sump 2A, Sump 2B, Wet Well 1, Wet Well 2, and Wet Well 3 on February 12, 2026. Geosyntec collected groundwater samples from MWI-1A, MWI-2A, MWI-3A, MWII-2, MWII-5, MWII-6A, and MWII-7 on February 15, 2026. Groundwater samples were collected from MWII-8 and MWII-9 on February 16.

Quality control samples were also collected during monitoring:

- A duplicate leachate sample was collected from Sump 2A, a field blank was collected during leachate monitoring, and trip blanks (TB) samples were transported with the samples in shipments to the laboratory.
- A duplicate groundwater sample was collected from MWII-5 (MWII-5 DUP), a field blank was collected during groundwater monitoring, and trip blanks (TB) samples were transported with the samples in shipments to the laboratory.

The samples were preserved and transported with the appropriate chain-of-custody documentation to Eurofins Test America-Denver (TA). TA received the three shipments on February 16, 18, and 19, 2026. The field information forms are contained in Appendix A.

[3] These changes are discussed in greater detail in a letter from the County to DOH dated January 31, 2023, discussing a status update and response to additional DOH comments on the GMP.



Legend

MWI-1A 4.35 — Groundwater Monitoring Well

* = The groundwater level at MWII-6a is anomalously low and is not used for contouring.

Wet Well (Leachate Sump)

4.20 — Groundwater Elevation Contour (ft msl)

Inferred Groundwater Flow Direction

Sump Location

Phase Boundary

Cell Boundary

Property Boundary

Roads

Notes:
ft msl = feet above mean sea level
- Monitoring wells were gauged on February 14 and 15, 2026.
- TOC elevation data provided by Esaki Survey and Mapping, Inc. from November 2025 except for wells MWII-6A, MWII-8, and MWII-9 which were surveyed by Honua Engineering, Inc. in February 2026.
- Aerial imagery source: Google Earth, February 2024.

N

0 350 Feet

Groundwater Contour Map
February 2026

Kekaha Municipal Solid Waste Landfill
Kaua'i, Hawai'i

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WG3074 | April 2026

Figure 3

\\oakland-01\data\GIS\WM\KekahaLF\Project\2026Q1_GWMR\Figures.aprx\Fig03_GroundwaterElevation_MWII-6ARemoved 4/3/2026 2:21 PM (kwalton)

Table 1: Groundwater Level Data (February 14 and 15, 2026)

Monitoring Well ID	Top of Casing Elevation (ft msl)	Screened Interval (ft below top of casing)	Depth to Water (ft)	Groundwater Elevation (ft msl)
MWI-1A	14.37	4.5-19.5	10.02	4.35
MWI-2A	13.16	4.5-19.5	8.89	4.27
MWI-3A	13.89	4.5-19.5	9.38	4.51
MWII-2	15.66	4.0-14.0	11.00	4.66
MWII-5	13.68	3.0-13.0	8.62	5.06
MWII-6A	14.71	5.5-15.5	10.32	4.39
MWII-7	15.74	3.5-23.5	10.97	4.77
MWII-8	14.73	5.5-15.5	9.82	4.91
MWII-9	16.98	5.5-24.0	12.11	4.87

Notes: ft = feet, msl = mean sea level.
Monitoring wells are constructed with 2-inch diameter polyvinylchloride (PVC).

Top-of-casing elevation data provided by Esaki Survey and Mapping, Inc., from November 2025 well survey elevations. Honua Engineering, Inc., surveyed Wells MWII-6A, MWII-8, and MWII-9 in February 2026.

2.2 Laboratory Analyses of Monitoring Well Groundwater Samples

Groundwater samples were submitted to TA for analytical testing of the following parameters:

- Appendix I of 40 CFR 258 parameters – volatile organic compounds (VOCs);
- Appendix I 40 CFR 258 total and dissolved metals – antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, tin, vanadium, and zinc;
- Appendix II 40 CFR 258 (Subtitle D) parameters – VOCs, semivolatile organic compounds (SVOCs), herbicides, organochlorine pesticides, dioxins, polychlorinated biphenyls (PCBs), total sulfide, and total cyanide;
- Supplemental parameters – total alkalinity, bicarbonate alkalinity, carbonate alkalinity, bromide, chloride, and sulfate; and
- Additional indicator parameters – ammonia as N, nitrate-nitrite as N, total dissolved solids (TDS), TOC, and chemical oxygen demand (COD).

The groundwater chemistry results for the monitoring wells are summarized below in Table 2. Historical data and time-series graphs for analytes detected in the Phase I Landfill monitoring wells are provided in Appendix B,[4] and the laboratory reports are contained in Appendix C. The

[4] Time-series graphs for Phase I wells compare current groundwater monitoring well analytical results to historical groundwater monitoring wells that have been replaced.

laboratory reports in Appendix C include additional results that are not included in Table 2 because they either do not pertain to the scope of work for groundwater monitoring or were not detected above laboratory reporting limits (RLs). The facility is currently in assessment monitoring for total and dissolved arsenic, so an *annual analysis* of parameters included in Appendix II 40 CFR 258 (Subtitle D) was conducted as part of the First Quarter 2026 monitoring event to comply with Hawai'i HAR 11-58.1-16(e).

2.3 Evaluation of Groundwater Data Quality

Geosyntec performed a data quality review (DQR) of the groundwater analytical data for this study. The DQR was developed based on the USEPA Stage 2A data validation, with minor modifications designed to meet internal data quality and management program goals and the project objectives. Laboratory quality assurance/ quality control (QA/QC) sample results (including a combination of blanks, blank spike and spike duplicate, matrix spike and spike duplicate, surrogate, and laboratory duplicate recoveries), laboratory-applied flags, and laboratory-provided analysis comments were reviewed. Based on this review, qualifier flags were assigned to the data where appropriate, which indicate data usability for study goals and objectives. Data qualifiers assigned to groundwater results for this monitoring round include:

- J qualifiers indicate the result is estimated. This includes results reported as detections below the RL.
- UJ qualifiers indicate the result was not detected at or above detection limits and the RL is estimated.
- R qualifiers indicate the result has been rejected and is not viable for quantitative or qualitative use. Only one groundwater sample result was rejected, due to very low matrix spike recoveries. This was sulfide in the sample from MWII-5.

Groundwater sample results, including results not detected above laboratory RLs, with the applied qualifiers and qualifier rationale are included in Appendix C. Laboratory reports are also in Appendix C, which include the laboratory narrative regarding QA/QC issues.

Based on review of the laboratory QA/QC results, the results of the DQR, and review of the data qualifiers, the data for this study are of known quality and are acceptable for use for project goals and objectives as qualified, with the exception of rejected results. Results assigned a J or UJ qualifier (estimated) may be used for site evaluation purposes, but the qualification should be considered when interpreting sample concentrations. Values without qualification meet all data measurement quality objectives.

The laboratory documentation, case narrative, a table documenting qualifiers are provided in Appendix C.

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Table 2: Summary of Groundwater Analytical Results (February 15 and 16, 2026)

Analyte	Unit	MWI-1A	MWI-2A	MWI-3A	MWII-2	MWII-5	MWII-5 (DUP)	MWII-6A	MWII-7	MWII-8	MWII-9	Background	HI EALs	HAR MCLs
Volatile Organic Compounds (VOCs)														
VOCs analyzed	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
Semi-Volatile Organic Compounds (SVOCs)														
SVOCs analyzed	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
Pesticides/Herbicides														
Pesticides/Herbicides analyzed	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
Polychlorinated Biphenyls (PCBs)														
PCBs analyzed	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
Total Sulfide														
Total Sulfide	mg/L	0.050 U	0.15 J	0.050 U	0.050 U	0.050 UR	0.050 U	0.050 U	0.10 U	0.050 U	0.050 U	-	-	-
Total Cyanide														
Total Cyanide	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	-	-	-
Dioxins														
2,3,7,8-TCDD	ng/L	0.0095 U	0.0096 U	0.0096 U	0.0098 U	0.010 U	0.0095 U	0.0094 U	0.0096 UJ	0.0094 U	0.0094 U	-	-	-
Metals														
Arsenic (Dissolved)	ug/L	**8.8**	**160**	**12**	**5.7**	**12**	**12**	**3**	**5.2**	**4**	**3.7**	130	36	10
Arsenic (Total)	ug/L	**7.8**	**180**	**12**	**6**	**12**	**12**	**3**	**5**	**3.6**	**3.1**	-	-	-
Barium (Dissolved)	ug/L	2.7 J	4.9 J	**26**	4.3 J	4.2 J	3.8 J	6.2 J	**43**	7.6 J	**15**	18	220	2,000
Barium (Total)	ug/L	10 U	4.9 J	**26**	4.0 J	3.9 J	3.7 J	8.5 J	**44**	7.6 J	**14**	-	-	-
Calcium (Dissolved)	ug/L	**28,000**	**38,000**	**44,000**	**49,000**	**47,000**	**47,000**	**50,000**	**180,000**	**41,000**	**38,000**	500,000	-	-
Calcium (Total)	ug/L	**27,000**	**39,000**	**43,000**	**47,000**	**44,000**	**45,000**	**50,000**	**170,000**	**40,000**	**38,000**	-	-	-
Iron (Dissolved)	ug/L	**180**	**470**	100 U	**43 J**	**47 J**	100 U	100 U	**870**	100 U	100 U	950	-	-
Iron (Total)	ug/L	**180**	**540**	100 U	100 U	100 U	100 U	100 U	**1,200**	100 U	100 U	950	-	-
Lead (Total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3.0 J	10 U	10 U	-	-	-
Magnesium (Dissolved)	ug/L	**100,000**	**130,000**	**110,000**	**78,000**	**100,000**	**100,000**	**72,000**	**340,000**	**58,000**	**54,000**	870,000	-	-
Magnesium (Total)	ug/L	**110,000**	**130,000**	**110,000**	**79,000**	**96,000**	**91,000**	**74,000**	**320,000**	**58,000**	**55,000**	-	-	-
Manganese (Dissolved)	ug/L	2.5 J	6.7 J	8.1 J	3.2 J	5.0 J	4.9 J	**14**	**350**	**28**	**34**	-	-	-
Manganese (Total)	ug/L	2.6 J	7.1 J	8.1 J	3.6 J	5.3 J	4.7 J	**15**	**350**	**28**	**33**	-	-	-
Nickel (Dissolved)	ug/L	20 U	17 J	12 J	20 U	20 U	20 U	6.6 J	20 U	20 U	5.2 J	40	5	-
Nickel (Total)	ug/L	20 U	18 J	11 J	20 U	20 U	20 U	6.6 J	20 U	20 U	20 U	-	-	-
Potassium (Dissolved)	ug/L	**49,000**	**83,000**	**55,000**	**20,000**	**11,000**	**11,000**	**18,000**	**80,000**	**7,700**	**6,000**	220,000	-	-
Potassium (Total)	ug/L	**48,000**	**86,000**	**54,000**	**20,000**	**11,000**	**11,000**	**17,000**	**76,000**	**7,700**	**6,000**	-	-	-
Selenium (Dissolved)	ug/L	20 U	20 U	7.0 J	20 U	11 J	7.8 J	6.4 J	20 U	20 U	7.4 J	15	5	50
Selenium (Total)	ug/L	20 U	20 U	20 U	20 U	10 J	6.9 J	5.7 J	20 U	20 U	9.1 J	-	-	-
Silicon (Dissolved)	ug/L	**11,000**	**11,000**	**9,400**	**8,900**	**13,000**	**13,000**	**7,000**	**9,900**	**6,600**	**7,200**	15,000	-	-
Silicon (Total)	ug/L	**11,000**	**12,000**	**9,100**	**8,900**	**13,000**	**12,000**	**7,200**	**10,000**	**6,600**	**7,200**		-	-
Sodium (Dissolved)	ug/L	**320,000**	**260,000**	**250,000**	**230,000**	**91,000**	**91,000**	**90,000**	**2,300,000**	**66,000**	**46,000**	7,700,000	-	-
Sodium (Total)	ug/L	**320,000**	**270,000**	**250,000**	**240,000**	**88,000**	**89,000**	**88,000**	**2,200,000**	**65,000**	**46,000**	-	-	-
Thallium (Dissolved)	ug/L	15 U	15 U	15 U	6.8 J	15 U	6.0 J	6.6 J	13 J	15 U	15 U	-	6	2
Thallium (Total)	ug/L	15 U	15 U	15 U	15 U	5.3 J	15 U	15 U	9.0 J	15 U	15 U	-	-	-
Vanadium (Dissolved)	ug/L	5.0 U	4.1 J	**11**	4.7 J	**5.1**	**5**	**7.8**	2.5 J	**5.9**	**7.3**	10	27	-
Vanadium (Total)	ug/L	5.0 U	**5**	**11**	4.6 J	4.7 J	4.5 J	**7.8**	2.3 J	**5.8**	**7.8**	-	-	-
Zinc (Total)	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	**43**	-	-	-

Analyte	Unit	MWI-1A	MWI-2A	MWI-3A	MWII-2	MWII-5	MWII-5 (DUP)	MWII-6A	MWII-7	MWII-8	MWII-9	Background	HI EALs	HAR MCLs
All other metals analyzed	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
Major Chemical Parameters														
Ammonia as Nitrogen (N)	mg/L	**22**	**11**	**1.5**	**0.19**	0.10 U	0.10 U	0.10 U	0.056 J	0.10 U	0.10 U	7.7	-	-
Bicarbonate Alkalinity	mg/L	**620**	**730**	**440**	**410**	**400**	**400**	**360**	**330**	**280**	**310**	553	-	-
Bromide	mg/L	**2.6**	**3**	**1.8**	**1.5**	**1.1**	**1.1**	**0.73**	**14**	**0.7**	**0.51**	-	-	-
Chemical Oxygen Demand (COD)	mg/L	**33**	**36**	**21**	20 U	20 U	20 U	17 J	20 U	15 J	13 J	280	-	-
Chloride	mg/L	**500**	**330**	**420**	**340**	**130**	**130**	**97**	**4,300**	**130**	**52**	14,000	-	-
Nitrate Nitrite as N	mg/L	0.20 U	0.20 U	**0.85**	**2.5**	**26**	**27**	**13**	**17**	**0.36**	**0.56**	-	-	10
Sulfate	mg/L	**120**	**140**	**150**	**99**	**61**	**61**	**110**	**630**	**44**	**40**	1,800	-	-
Total Alkalinity	mg/L	**620**	**730**	**440**	**410**	**400**	**400**	**360**	**330**	**280**	**310**	549	-	-
Total Dissolved Solids	mg/L	**1,400**	**1,400**	**1,300**	**1,700**	**800**	**790**	**720**	**8,500**	**520**	**420**	23,000	-	-
Total Organic Carbon	mg/L	**7.6**	**9.1**	**4.7**	**1.6**	**2.1**	**2.1**	**3.2**	**3.1**	**1.4**	**1.7**	6.4	-	-
Field Parameters														
Dissolved Oxygen	mg/L	**5.21**	**0.37**	**0.1**	**1.58**	**1.72**	**1.72**	**1.5**	**1.77**	**0.65**	**1.01**	-	-	-
eH/ORP	mV	**-121**	**-116**	**6.6**	**133**	**133**	**133**	**1.1**	**-80**	**116**	**108**	-	-	-
Electrical Conductivity	uS/cm	**2.8**	**2.46**	**2.19**	**1.91**	**1.34**	**1.34**	**1.19**	**13.5**	**0.89**	**0.743**	-	-	-
pH	pH units	**7.23**	**7.08**	**7.31**	**7.19**	**6.86**	**6.86**	**7.43**	**7.13**	**7.55**	**7.68**	-	-	-
Temperature	deg C	**29.4**	**28.66**	**27.3**	**26.79**	**27.57**	**27.57**	**26.38**	**26.5**	**24.45**	**24.58**	-	-	-
Turbidity	NTU	**0.27**	**0.12**	**0.7**	**0.06**	**27.54**	**27.54**	**0.76**	**0.15**	**0.78**	**0.44**	-	-	-

Notes:

1. "MWI-X" represents groundwater monitoring well

2. Wells MWI-1, MWI-2, and MWI-3 were decommissioned and replaced with MWI-1A, MWI-2A, and MWI-3A in May 2019

3. Background limits from AECOM.

4. HAR Chapter 11-20 maximum contaminant levels (MCLs) established for drinking water. In absence of state MCLs, the National Primary Drinking Water Regulations is used instead.

5. HI EAL = Hawai'i Environmental Action Levels (EALs) obtained from Table B (2024).

6. **Bold** text indicates the detected concentration exceeds the statistically established laboratory reporting limit (RL).

7. Blue highlighted cells indicate that the value has exceeded background limits (only applies to MW1-1A, MW-12A, and MW1-3A).

8. Red text indicates an exceedance of either the MCLs or EALs.

9. Dissolved concentration exceeding the total concentration is likely due to a range of error for analysis.

Abbreviations:
EAL = Environmental Action Level
J = Result is estimated.
R = Result rejected due to holding time exceedance or low QC spike recovery.
RL = Laboratory reporting limit
MCL = Maximum Contaminant Level
ND = not detected
U = not detected below the reporting limit shown
mg/L = milligrams per liter, ug/L = micrograms per liter, ng/L = nanograms per liter

2.4 Groundwater Monitoring Results

2.4.1 Groundwater Flow Direction

As shown in Table 1 and on Figure 3, groundwater elevations during the First Quarter 2026 monitoring event ranged from 4.27 ft above msl in MWI-2A to 5.06 ft above msl in MWII-5. The groundwater gradient and inferred flow direction based on the groundwater elevations is typically southwest toward the Pacific Ocean. The hydraulic gradient and inferred groundwater flow directions are consistent with historical monitoring events.

2.4.2 Groundwater Sample Analyses

The laboratory reports with analytical results for First Quarter 2026 groundwater monitoring are provided in Appendix C. The results are also summarized below (and in Table 2) by analytical group: VOCs, SVOCs, pesticides and herbicides, PCBs, sulfide, cyanide, dioxins, metals, major chemical parameters (general chemistry), and field parameters. In Table 2, when none of the individual analytes in a group were detected above laboratory RLs, the results are presented as a singular "ND" (or not detected) for the group; however, individual results can be reviewed in Appendix C.

Volatile Organic Compounds – VOCs were not detected above RLs in groundwater samples from the monitoring wells.

Semivolatile Organic Compounds – SVOCs were not detected above RLs in groundwater samples from the monitoring wells.

Pesticides and Herbicides – Pesticides and herbicides were not detected above laboratory RLs in groundwater samples from the monitoring wells.

Polychlorinated Biphenyls – PCBs were not detected above laboratory RLs in groundwater samples from the monitoring wells.

Total Sulfide – Total Sulfide was detected at a low concentration in one groundwater sample (MWI-2A); however, this result was rejected due to laboratory QA/QC issues.

Total Cyanide – Total cyanide was not detected above laboratory RLs in groundwater samples from monitoring wells.

Dioxins – Dioxins were not detected above laboratory RLs in groundwater samples from the monitoring wells.

Dissolved Metals – The concentrations ranges for dissolved metals with detected (either method detection limit (MDL) or RL, see Appendix C or table 2) results are summarized below:

- Arsenic was detected in all 10 samples at concentrations ranging between 3 and 160 ug/L. One sample from MWI-2A had arsenic detected above the estimated background concentration (130 ug/L) at 160 ug/L .

- Barium was detected in all 10 samples at concentrations ranging between 2.7J to 43 ug/L.
- Calcium was detected in all 10 samples at concentrations ranging between 28,000 to 180,000 ug/L.
- Iron was detected in 5 of the 10 samples at concentrations ranging between 43J to 870 ug/L. Iron was not detected above the RLs in MWI-3A, MWII-5 DUP Sample, MWII-6A, MWII-8, and MWII-9.
- Magnesium was detected in all 10 samples at concentrations ranging between 54,000 to 130,000 ug/L.
- Manganese was detected in all 10 samples at concentrations ranging between 2.5J and 350 ug/L.
- Nickle was detected at 4 of the 10 samples at concentrations raining between 5.2J and 17J ug/L. Nickle was not detected above the RLs in MWI-1A, MWII-2A, MWII-5, MWII-5 DUP sample, MWII-7, and MWII-8.
- Potassium was detected in all 10 samples at concentrations ranging between 6,000 and 83,000 ug/L.
- Selenium was detected in 5 out of the 10 samples at concentrations ranging between 6.4J and 11J ug/L. Selenium was not detected above the RLs in MWI-1A, MWI-2A, MWII-2, MWII-7, and MWII-8.
- Silicon was detected in all 10 samples at concentrations ranging between 6,600 and 13,000 ug/L.
- Sodium was detected in all 10 samples at concentrations ranging between 46,000 and 2,300,000 ug/L.
- Thallium was detected in 4 out of the 10 samples at concentrations ranging between 6.0J and 13J ug/L. Thallium was not detected above the RLs in MWI-1A, MWI-2A, MWI-3A, MWII-5, MWII-8, and MWII-9.
- Vanadium was detected in 9 out of 10 samples at concentrations ranging between 2.5J and 11 ug/L. Vanadium was not detected above the RLs in MWI-1A. One sample was detected above the estimated background concentration for vanadium (10 ug/L) which was from MWI-3A (11 ug/L).

Total Recoverable Metals – The total recoverable metals results, which include metals associated with suspended particles, are provided in Table 2. The results for all other total metals are summarized below.

- Arsenic was detected in all 10 samples at concentrations ranging between 3 and 180 ug/L.
- Barium was detected in 9 of the 10 samples at concentrations ranging between 3.7J to 44 ug/L. Barium was not detected above the RLs at MWI-1A.

- Calcium was detected in all 10 samples at concentrations ranging between 27,000 and 170,000 ug/L.
- Iron was detected in 3 of 10 samples at concentrations ranging between 180 and 1,200 ug/L. Iron was not detected above the RLs in MWI-3A, MWII-2, MWII-5, MWII-5 the DUP sample, MWII-6A, MWII-8, and MWII-9.
- Lead was detected in 1 of 10 samples at a concentration of 3.0J ug/L in MWII-7. Lead was not detected above RLs in MWI-1A, MWI-2A, MWI-3A, MWII-2, MWII-5, MWII-5 the DUP sample, MWII-6A, MWII-8, and MWII-9.
- Magnesium was detected in all 10 samples at concentrations ranging between 55,000 and 352,000 ug/L.
- Manganese was detected in all 10 samples at concentration ranging between 2.6J and 350 ug/L.
- Nickle was detected in 3 of 10 samples at concentrations ranging between 6.6J and 18J ug/L. Nickle was not detected above the RLs in MWI-1A, MWII-2, MWII-5, MWII-5 the DUP sample, MWII-7, MWII-8, and MWII-9.
- Potassium was detected in all 10 samples at concentration ranging between 6,000 and 86,000 ug/L.
- Selenium was detected in 4 of 10 samples at concentrations ranging between 5.7J and 10J ug/L. Selenium was not detected above RLs in MEI-1A, MWI-2A, MWI-3A, MWII-2, MWII-7, MWII-8, and MWII-9.
- Silicon was detected in all 10 samples at concentration ranging between 6,600 and 13,000 ug/L.
- Sodium was detected in all 10 samples at concentration ranging between 46,000 and 2,200,000 ug/L.
- Thallium was detected in 2 of 10 samples at a concentration between 5.3J and 9.0J ug/L. Thallium was not detected above the RLs in MWI-1A, MWI-2A, MWI-3A MWII-2, MWII-5 the DUP sample, MWII-8, and MWII-9.
- Vanadium was detected in 9 of 10 samples at concentrations between 2.3J and 11 ug/L. Vanadium was not detected above the RLs in MWI-1A.
- Zinc was detected in 1 of 10 samples at a concentration of 43 ug/L in MWII-9. Zinc was not detected above RLs in MWI-1A, MWI-2A, MWI-3A, MWII-2, MWII-5, MWII-5 the DUP sample, MWII-6A, MWII-7, and MWII-8.

Major Chemical Parameters – The groundwater samples were analyzed for ammonia as N, nitrate/nitrate as N, bromide, chloride, sulfate, total alkalinity, carbonate alkalinity, bicarbonate alkalinity, TDS, and TOC to provide data for geochemical evaluation. The results are summarized below:

- Ammonia as nitrogen was detected in 5 of 10 samples at concentration ranging between 0.056J and 22 mg/L. Two samples were detected above estimated background concentrations (7.7 mg/L) in MWI-1A (22 mg/L) and MWI-2A (11 mg/L).

- Bicarbonate alkalinity was detected in all 10 samples at concentrations ranging between 280 and 730 mg/L.

- Bromide was detected in all 10 samples at concentrations ranging between 0.51 and 14 mg/L.

- Chloride was detected in all 10 samples at concentrations ranging between 52 and 4,300 mg/L.

- Nitrate/nitrite as N was detected in 8 of 10 samples at concentrations ranging between 0.36 and 27 mg/L. Nitrate Nitrite as N was not detected above the RLs in MWI-1A and MWI-2A.

- Sulfate was detected in all 10 samples at concentrations ranging between 40 and 150 mg/L.

- Total alkalinity was detected in all 10 samples at concentrations ranging between 280 and 730 mg/L. Two samples exceeded the estimated background concentration (549 mg/L) in MWI-1A (620 mg/L) and MWI-2A (730 mg/L).

- TDS was detected in all 10 samples at concentrations ranging between 420 and 8,500 mg/L.

- TOC was detected in all 10 samples at concentrations ranging between 1.4 and 9.1 mg/L. Two samples exceeded the estimated background concentration (6.4 mg/L) in MWI-1A (7.6 mg/L) and MWI-2A (9.1 mg/L).

Site-Specific Indicator Parameters – The groundwater samples were analyzed for the following site-specific indicator parameters: ammonia as N, TOC, total and dissolved metals (arsenic, iron, and manganese); and COD. In addition to the results described above, COD was detected in 6 of 10 samples at concentrations ranging between 13J and 36 mg/L. COD was not detected above RLs in MWII-2, MWII-5, MWII-5 the DUP sample, and MWII-7. The results of these analyses were evaluated for evidence of potential landfill impacts to groundwater using the statistical methods described below.

2.4.3 Phase I Landfill Monitoring Wells

The data were evaluated following the same criteria used for the preparation of the First Quarter 2018 Phase I Report (AECOM 2018) and subsequent monitoring reports. As previously presented by AECOM, nonparametric prediction limits were determined using statistical analysis of the groundwater monitoring data. An analytical data set based on the Phase II monitoring wells was used to determine the Phase I background prediction limits that included data from

March 1996 to January 2014 from monitoring wells MWII-2, MWII-4, MWII-5, MWII-6, and MWII-7. Wells MWII-4 and MWII-6 were decommissioned in May 2019.

Monitoring wells MWI-1A, MWI-2A, and MWI-3A now have the minimum requisite eight samples required to conduct intra-well statistical analysis. However, the DOH indicated that the use of intra-well statistical analysis for these monitoring wells may not be appropriate because current conditions do not appear to reflect unimpacted background groundwater conditions based on historical groundwater analytical data collected from both the former downgradient monitoring wells (MWI-1, MWI-2, and MWI-3) and the current Phase I monitoring wells. Therefore, the inter-well statistical method is still used for the Phase I monitoring wells.

The current background limits for the Phase I monitoring wells are based on the composite data from the Phase II monitoring wells because Phase II is upgradient of Phase I. These background prediction limits[5] are shown in Table 2. Some chemical constituents were detected in these Phase I monitoring wells above the background limits.

As mentioned above, Geosyntec submitted a memorandum to the DOH on July 21, 2022, with recommendations for updating the Phase I background limits for MWI-1A, MWI-2A, and MWI-3A. The DOH responded to the proposed background limits in a letter dated October 3, 2022, requesting that additional data be included to estimate background limits.

The County and Geosyntec met with the DOH on August 31, 2022, and discussed potential locations and plans to install the proposed monitoring well, MWII-6A, as well as two additional monitoring wells on the northeast side of the Kaumualiʻi Highway to obtain background data. The DOH concurred with the proposed location of the proposed new monitoring wells, which are shown on Figures 2 and 3. The three new wells (MWII-6A, MWII-8, and MWII-9) were installed between November 3 and 7, 2025, by Valley Well Drilling, LLC, Kapolei, Hawaiʻi, and a Geosyntec geologist characterized the lithology (Geosyntec 2026). MWII-6A is intended to provide crossgradient groundwater data, and the two wells mauka of the landfill (MWII-8 and MWII-9) are intended to provide upgradient groundwater data to establish background limits for the detection monitoring network.

2.4.4 Phase II Landfill Monitoring Wells

Groundwater samples collected from monitoring wells around the Phase II Landfill footprint were evaluated for potential landfill impacts to groundwater using the intra-well statistical methods described in the KLF Phase II GMP. Appendix D presents the Shewhart-Cumulative Sum (CUSUM) control charts for the First Quarter 2026 sampling event. At least eight historical independent samples are needed to reliably calculate parameters (e.g., mean, standard deviation) for background control limits. For constituents that are detected in less than 25% of samples, variance cannot be reliably defined and a CUSUM value cannot be calculated (Gibbons 1994).

[5] Note that not all analytes that appear in Table 2 have established background limits because there are not enough historical detection data to establish these levels.

Analytes for which these values could not be calculated due to limited historical information or low detection rates are noted below.

The detected concentrations and CUSUM values were generally below the statistical background control limits, except as noted below:

MWII-2:

- Due to low detection rates, a CUSUM value was not computed for COD, dissolved iron, dissolved manganese, or total manganese.
- Due to the limited background dataset, a background control limit was not computed for COD or total manganese.

MWII-5:

- Due to low detection rates, a CUSUM value was not computed for COD, dissolved manganese, or total manganese.
- Due to the limited background dataset, a background control limit was not computed for COD or total manganese.

MWII-7:

- Due to low detection rates, a CUSUM value was not computed for dissolved iron or total iron.
- Due to the limited background dataset, a background control limit was not computed for dissolved iron or total iron.
- Exceedances:
  - Neither a background control limit, nor a CUSUM value were computed for dissolved iron. However, the detection of dissolved iron at a concentration of 0.93 mg/L appears inconsistent with available background data, which is nondetected results.
  - Neither a background control limit, nor a CUSUM value were computed for total iron because background data were primarily nondetect, but the detection of total iron at a concentration of 1.20 mg/L appears inconsistent with available background data, which is mostly nondetected results.
  - The dissolved manganese detected concentration and CUSUM value of 0.35 mg/L exceeded statistical background control limit.
  - The total manganese detected concentration and CUSUM value of 0.35 mg/L exceeded the statistical background control limit.

The exceedances at MWII-7 are attributed to continued sporadic impact on groundwater quality resulting from infiltration of brackish, nutrient-laden water with high biological oxygen demand (BOD) and likely reducing conditions associated with the aquaculture facility operations

northwest (and sporadically hydraulically upgradient) of the landfill, not a release from the Phase II Landfill.

2.5 Monitoring Results Summary and Conclusions

Findings and conclusions from the groundwater monitoring are summarized below:

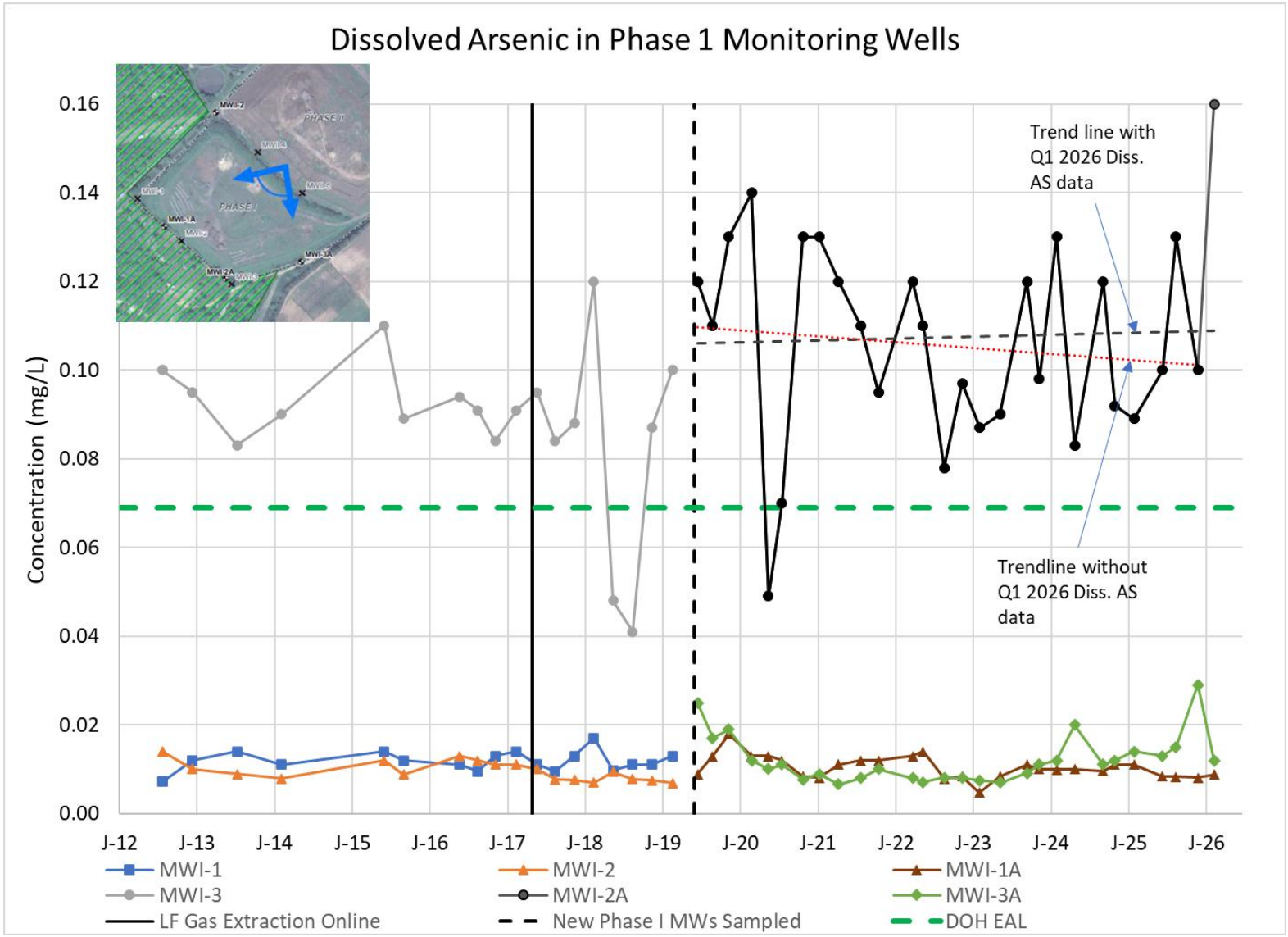
- No VOCs, SVOCs, pesticides, herbicides, PCBs, cyanide, or dioxins were detected in monitoring wells.
- Total sulfide was detected at a low concentration in one groundwater sample (MWI-2A); however, this result was rejected due to laboratory QA/QC issues.
- Dissolved arsenic exceeded background limits in MWI-2A and dissolved vanadium exceeded the background limit in MWI-3A.
- Ammonia as N, bicarbonate alkalinity, total alkalinity, and TOC all exceeded the respective background limits in MWI-1A and MWI-2A.
- The analytical data were screened against Hawai'i state maximum contaminant levels (MCLs) for drinking water and environmental action levels (EALs) for groundwater. No VOCs, SVOCs, pesticides, herbicides, PCBs, cyanide, or dioxins were detected in monitoring wells and did not exceed MCLs or EALs.
  - Dissolved arsenic exceeded the MCL in MWI-2A, MWI-3A, MWII-5, and the DUP sample
  - Dissolved nickel exceeded the EAL in MWI-2A, MWI-3A, MWII-6A, and MWII-9.
  - Dissolved selenium exceeded the EAL in MWI-3A, MWII-5, the DUP sample, MWII-6A, and MWII-9.
  - Dissolved thallium exceeded the MCL in MWII-2, the DUP sample, MEII-6A, and MWII-7.
  - Nitrate/Nitrite as N exceeded the MCL in MWII-5, the DUP sample, MWII-6A, and MWII-7.
- Several SVOCs and pesticides have EALs lower than the MDL for the laboratory results. This includes anthracene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(ghi)perylene, dibenz(a,h)anthracene, fluoranthene, hexachlorobenzene, indeno(1,2,3-cd)pyrene, 4,4-DDD, 4,4-DDT, aldrin, dieldrin, and toxaphene.
- Total and dissolved iron at MWII-7 is inconsistent with background data. As presented in the GeoChem ASD (Geochem 2012), iron SSIs at MWII-7 are attributed to impacts from the adjacent aquaculture facility, not the Phase II Landfill.
- Total and dissolved manganese exceeded statistical background limits at MWII-7.

These findings are consistent with results from previous monitoring events.

Elevated concentrations of arsenic in groundwater at the KLF have been previously addressed in the WMH 2007 ASD report, the most recent GMP (Geosyntec 2020), and multiple meetings with the DOH. The 2007 ASD indicated that elevated arsenic in monitoring well MWII-6 and in other monitoring wells is likely due to naturally occurring arsenic in the aquifer matrix, not a release from the landfill. A subsequent ASD (WMH 2009) documented the presence of arsenic in soil near the landfill and showed that concentrations detected in groundwater are consistent with partitioning of arsenic between soil and groundwater.

Elevated background concentrations of arsenic in soil and groundwater near the KLF are likely associated with naturally occurring arsenic in volcanic soils, as well as arsenic-based herbicides and pesticides used at sugarcane plantations, as has been documented for many locations in Hawai‘i, including the vicinity of Kekaha on Kaua‘i (DOH 2011, Geosyntec 2020). The elevated concentration of arsenic in MWII-5, which is at the eastern (upgradient) corner of the KLF property adjacent to Phase II Landfill supports that the landfill is not the source of the arsenic detections. However, initial arsenic concentrations detected in the new upgradient monitoring wells (MWII-8 and MWII-9) are below the MCL. Future data from these two new wells will be helpful to further determine arsenic impacts upgradient of the KLF.

In addition, as has been discussed with and submitted to the DOH (e.g., WMH, 2018), oxygen-depleted reducing conditions associated with the presence of the KLF and methane generation likely increases the solubility of arsenic in groundwater beneath the landfill. As a consequence of landfill gas extraction, which began at the Phase I landfill in 2017, conditions are expected to become less reducing with time beneath the Phase I Landfill, and solubility of arsenic in groundwater beneath the landfill may gradually decrease. Although, this is expected to be a slow process that would likely take many years.



Graph 2.5 of Concentrations of Dissolved Arsenic in Groundwater Samples for Phase I Monitoring Wells and Aerial Photo Showing Locations of the MWs.

As illustrated in Graph 2.5, monitoring well MWI-2A is near the southeast corner of the Phase I Area, close to former monitoring well MWI-3 (Figure 2). Concentrations of arsenic at MWI-2A are similar to historical values of arsenic detected at MWI-3 except for the First Quarter 2026 monitoring event where dissolved arsenic from MWI-2A which is the highest concentration reported to date. Further quarterly monitoring and data collection is necessary to determine if the 160 ug/L result for MWI-2A is an outlier event or is representative.

The landfill gas extraction system that began operating in May 2017 is removing methane, which should also help to limit the reducing conditions within and beneath the landfill. This may lessen the solubility of metals in groundwater beneath the landfill and result in lower concentrations of metals with time. Elevated concentrations of metals in groundwater are likely limited to the vicinity of the landfill where reducing conditions exist, and lower concentrations of metals are expected in groundwater away from the landfill where conditions are more aerobic. Changes in the redox conditions and the associated solubility of metals are likely to take several years (e.g., Abiriga et al. 2021). More time and monitoring are needed before definitive trends can be determined. Time-series plots for dissolved arsenic, calcium, iron, magnesium, potassium, and sodium in the Phase I wells were prepared and are included in Appendix B.

The two new monitoring wells mauka of the highway will provide background data upgradient of the KLF. If deemed necessary, in addition to the mauka wells, the County plans to collect groundwater samples from a transect makai (on the ocean side) of the Phase I Landfill to investigate the extent of elevated arsenic downgradient of the landfill.

The Sanifill 1998 ASD report, which DOH approved, concluded that TOC and ammonia in groundwater may be attributable to biodegradation of large quantities of organic matter (e.g., sugarcane vegetation) placed as fill material near and upgradient of monitoring well MWII-6 (Figure 2) at a depth of at least 14 ft below ground surface. The ASD also indicated that the application of fertilizers and pesticides at nearby agricultural areas may have contributed to elevated TOC and ammonia concentrations in groundwater. Impacts to groundwater of organic matter from the adjacent upgradient aquaculture facility likely contributes to elevated concentrations of TOC and ammonia in downgradient monitoring wells MWI-1A and MWI-2A.

In addition, the elevated concentrations of ammonia as N, bicarbonate alkalinity, total alkalinity, and TOC may partly be the result of decaying vegetation on the makai side of the Phase I Landfill (e.g., Sanifill 1998). The organic detritus and roots that were in the area near decommissioned Phase I monitoring wells MWI-2 and MWI-3 may persist in the vicinity of these old monitoring wells and still may be influencing the water quality in the new monitoring wells that were installed in that same area (MWI-1A replaced MWI-2, and MWI-2A replaced MWI-3). New monitoring wells MWI-1A and MWI-2A have similar water quality of the original Phase I wells (MWI-2 and MWI-3). Replacement monitoring well MWI-3A was installed approximately 650 ft east of MWI-3 and is downgradient or crossgradient from the Phase I Landfill and may be representative of upgradient groundwater with differences in geochemical characteristics from the other two Phase I monitoring wells.

Time-series plots for ammonia as N, sulfate, chloride, TOC, and TDS are included in Appendix B and illustrate concentrations trends in the Phase I monitoring wells. TOC was decreasing in all

Phase I monitoring wells before stabilizing at approximately 9.5 mg/L in MWI-1, approximately 6 mg/L in MWI-2, and approximately 7 mg/L in MWI-3. Initially, after the new Phase I monitoring wells were installed, in MWI-1A and MWI-2A, TOC appeared to be increasing over time. Recently, TOC has been gradually stabilizing at 11 mg/L in MWI-1A, 10 mg/L in MWI-2A, and 5 mg/L in MWI-3A.

The time series plot for ammonia as N shows that concentrations were generally trending down prior to the installation of the new Phase I monitoring wells. In the new Phase I wells, ammonia as N has stabilized below 1 mg/L in MWI-3A since May 2020. In MWI-1A and MWI-2A, ammonia fluctuated in 2022 and in 2024 before appearing to decrease over time in 2023, 2025 and 2026.

In the third quarter 2023, a significant rise of chloride and sulfate, and a modest increase in TDS was observed in MWI-3A. Meanwhile, changes in chloride, sulfate, and TDS concentrations in MWI-1A and MWI-2A were limited relative to MWI-3A. It is unclear what may have influenced the dramatic increase in the concentrations of these compounds in MWI-3A, as field sampling and laboratory analysis procedures did not indicate any obvious explanation for the occurrence. It is possible that agricultural activity on the south-adjoining property may have influenced the sample results in this monitoring well. It is also possible that the shift in groundwater flow direction observed during the third quarter 2023 may have introduced brackish water to these wells. The fourth quarter 2023 chloride and sulfate results in MWI-3A have decreased dramatically compared to the third quarter 2023 and represent a multiyear low; however, chloride, sulfate, and TDS concentrations in MWI-3A fluctuated throughout 2024 and through 2025. This suggests the possibility that external influences may persist.

Two new monitoring wells were installed mauka of the highway upgradient of the KLF and one new monitoring well was installed along the southeast side of the landfill in November of 2025. MWII-8 and MWII-9 (the upgradient wells) show groundwater results that are similar to MWII-5. MWII-8 and MWII-9 do not exceed the MCLs for dissolved arsenic unlike MWII-5. Chemical concentrations in groundwater sampled at MWII-8 does not exceed any MCLs or ELAs where MWII-9 shows exceedances of EALs for dissolved nickel and dissolved selenium. MWII-6A has three exceedances of EALs for dissolved nickel, dissolved selenium, dissolved thallium, and one exceedance for Nitrate Nitrite as N above the MCL. The variability in metals concentrations may be related to local redox conditions and naturally occurring metals in the volcanic soils. Continued quarterly monitoring is needed to evaluate background conditions and geochemical conditions at these new wells.

As is discussed elsewhere herein and in previous reports, the adjacent aquaculture facility is a likely source of ammonia, organic carbon, chloride, and other constituents associated with infiltration of nutrient-rich water with elevated salinity. The aquaculture facility likely also depletes oxygen in groundwater and thus contributes to reduced conditions. Elevated concentrations of ammonia have been detected historically at MWII-7 (Appendix D), which is adjacent to the aquaculture facility.

2.6 Phase I Quarterly Site Inspection

On March 9, 2026, the First Quarter 2026 site inspection was conducted for the closed Phase I KLF by Geosyntec. The landfill cover was inspected for signs of erosion and for differential settlement or depressions. The stormwater controls were inspected for any signs of failure or maintenance needs and for the proper drainage of all stormwater. A summary of the site inspection is as follows:

- **Infiltration Ditch:** The infiltration ditch was in good condition with no apparent silt accumulation. There were no signs of obstructions, and the infiltration ditch appeared to be able to convey stormwater.
- **Stormwater Drainpipe Inlets:** All drainage inlets were unobstructed, and silt socks around the inlets appeared to be intact.
- **Stormwater Drainpipe Outlets and Energy Dissipaters:** The pipe outlets and all energy dissipators were in place and in good condition during the inspection.
- **Signs of Landfill Settlements, Depressions, etc.:** No visible signs of settlement or depressions were observed during the inspection.
- **Signs of Landfill Gas Migration (Dead or Brown Vegetation):** No visible signs of gas migration were observed during the inspection.
- **Signs of Erosion or Instability (Deck and Side Slope):** No visible signs of erosion or instability were observed during the inspection.
- **Landfill Security Measures (Gates, Fencing, etc.)**: A vehicle hit the front left side of the gate and the gate was damaged. The County has placed a work order for the front left gate to be repaired.

3. LEACHATE MONITORING

3.1 Leachate Field Monitoring Activities

Geosyntec personnel collected leachate samples from Wet Wells 1, 2, 3, and leachate Sumps 2A and 2B on February 12, 2026. A FB was also collected. The wet well samples were collected using a disposable bailer, and Sumps 2A and 2B were collected through a sampling port in the discharge line. All samples were preserved and transported with the appropriate chain-of-custody documentation to TA for analyses, and TA received the samples on February 16, 2026. The field information forms are included in Appendix A.

The laboratory reports with analytical results for First Quarter 2026 leachate monitoring are provided in Appendix C. The results are also summarized below (and in Table 3) by analytical group: VOCs, SVOCs, pesticides and herbicides, PCBs, sulfide, cyanide, dioxins, metals, major chemical parameters (general chemistry), and field parameters. In Table 3, when none of the individual analytes in a group were detected above laboratory reporting limits (RLs), the results

are presented as a singular "ND" (or not detected) for the group; however, individual results can be reviewed in Appendix C.

3.2 Leachate Analyses

TA analyzed the leachate samples for the following parameters:

- Chemicals listed in Appendix II of 40 CFR Part 258 (Subtitle D): VOCs, SVOCs, herbicides, organochlorine pesticides, dioxins, PCBs, total metals, mercury, total cyanide, and total sulfide
- Major cations and anions not listed in Appendix II of 40 CFR Part 258 (Subtitle D)
- Major leachate indicators not listed in Appendix II of 40 CFR Part 258 (Subtitle D): bromide, TDS, TOC, alkalinity (total, carbonate, bicarbonate), ammonia as N, COD, iron, and nitrate/nitrite as N.

3.3 Evaluation of Leachate Sample Data Quality

Geosyntec performed a DQR of the leachate analytical data. The DQR is based on the USEPA Stage 2A data validation, with minor modifications designed to meet internal data quality and management program goals and the project objectives. Laboratory QA/QC sample results (including a combination of blanks, blank spike and spike duplicate, matrix spike and spike duplicate, surrogate, and lab duplicate recoveries), laboratory-applied flags, and laboratory-provided analysis comments were reviewed. Based on this review, qualifier flags were assigned to the data where appropriate, which indicate data usability for study goals and objectives. Data qualifiers assigned to groundwater results for this monitoring round include:

- J qualifiers indicate the result is estimated. This includes results reported as detections below the reporting limit.
- UJ qualifiers indicate the result was not detected at or above detection limits and the reporting limit is estimated.
- R qualifiers indicate the result has been rejected and is not viable for quantitative or qualitative use.
    - Methapyrilene, orthotolidine, and o-toluidine results for all leachate samples were rejected due to very low blank spike recoveries.
    - All not detected VOC results for samples from Sump 2B, Wet Well 1, Wet Well 2, and Wet Well 3 were rejected due to holding time exceedance. This analysis has a hold time of 14 days if the samples are acidified to a pH of less than 2, or 7 days if not adequately acidified. These samples were collected in bottles containing an amount of acid insufficient to bring the pH down to less than 2. For future monitoring events, the lab will be notified that the analyses must be performed within 7 days, as the amount of acid in the prepared sample bottles may not be sufficient.

All leachate sample results, including nondetected results, with the applied qualifiers are included in tables in Appendix C, along with the lab reports. Laboratory comments regarding QA/QC issues are included in the case narrative section of each lab report.

Based on review of the laboratory QA/QC results, the results of the DQR, and review of the data qualifiers, the data for this study are of known quality and are acceptable for use for project goals and objectives, as qualified, with the exception of rejected results. Data assigned a J or UJ qualifier (estimated) may be used for site evaluation purposes, but the qualification should be considered when interpreting sample concentrations. Values without qualification meet all data measurement quality objectives and are suitable for use.

For further reading on lab documentation and lab case narrative, the lab report is found in Appendix C. Furthermore, a table documenting qualifiers can also be found in Appendix C

Table 3: Summary of Leachate Analytical Results (February 15 and 16, 2026)

Analyte	Unit	SUMP 2A	SUMP 2A DUP	SUMP 2B	WET WELL 1	WET WELL 2	WET WELL 3
Volatile Organic Compounds (VOCs)							
1,1,1,2-Tetrachloroethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,1,1-Trichloroethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,1,2-Trichloroethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,1-Dichloroethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,1-Dichloroethene	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,1-Dichloropropene	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,2,3-Trichloropropane	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
1,2,4-Trichlorobenzene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
1,2-Dibromo-3-chloropropane	ug/L	25 U	25 U	25 UR	50 UR	25 UR	25 UR
1,2-Dibromoethane (EDB)	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,2-Dichlorobenzene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
1,2-Dichloroethane (EDC)	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,2-Dichloropropane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,3,5-Trinitrobenzene	ug/L	49 U	49 U	49 U	250 U	47 U	47 U
1,3-Dichlorobenzene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
1,3-Dichloropropane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,4-Dichlorobenzene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
1,4-Naphthoquinone	ug/L	30 U	29 U	29 U	150 U	28 U	28 U
1-Naphthylamine	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
2,2-Dichloropropane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
2-Acetylaminofluorene	ug/L	49 U	49 U	49 U	250 U	47 U	47 U
2-Butanone	ug/L	50 U	50 U	50 UR	**3,700 J**	50 UR	50 UR
2-Hexanone	ug/L	25 U	25 U	25 UR	50 UR	25 UR	25 UR
2-Naphthylamine	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
3-Methylcholanthrene	ug/L	20 U	20 U	20 U	100 U	19 U	19 U
4-(Dimethylamino)azobenzene	ug/L	20 U	20 U	20 U	100 U	19 U	19 U
4-Biphenylamine	ug/L	30 U	29 U	29 U	150 U	28 U	28 U

Analyte	Unit	SUMP 2A	SUMP 2A DUP	SUMP 2B	WET WELL 1	WET WELL 2	WET WELL 3
4-Methyl-2-pentanone	ug/L	25 U	25 U	25 UR	**71 J**	25 UR	**15 J**
5-Nitro-o-toluidine	ug/L	20 U	20 U	20 U	100 U	19 U	19 U
7,12-Dimethylbenz(a)anthracene	ug/L	20 U	20 U	20 U	100 U	19 U	19 U
Acetone	ug/L	75 UJ	75 UJ	**32 J**	**5,000 J**	75 UR	75 UR
Acetonitrile	ug/L	150 U	150 U	150 UR	300 UR	150 UR	150 UR
Acrolein	ug/L	100 U	100 U	100 UR	200 UR	100 UR	100 UR
Acrylonitrile	ug/L	100 U	100 U	100 UR	200 UR	100 UR	100 UR
Allyl Chloride	ug/L	10 UJ	10 UJ	10 UR	20 UR	10 UR	10 UR
Benzene	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Bromochloromethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Bromodichloromethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Bromoform	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Bromomethane	ug/L	25 U	25 U	25 UR	50 UR	25 UR	25 UR
Carbon Disulfide	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Carbon Tetrachloride	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Chlorobenzene	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Chlorobenzilate	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Chloroethane	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Chloroform	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Chloromethane	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Chloroprene	ug/L	15 U	15 U	15 UR	30 UR	15 UR	15 UR
cis-1,2-Dichloroethene (cDCE)	ug/L	5.0 U	5.0 U	**1.6 J**	10 UR	5.0 UR	5.0 UR
Dibromochloromethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Dibromomethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Dichlorodifluoromethane	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Ethyl Methacrylate	ug/L	15 U	15 U	15 UR	30 UR	15 UR	15 UR
Ethyl methanesulfonate	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Ethylbenzene	ug/L	5.0 U	5.0 U	5.0 UR	**7.9 J**	5.0 UR	**4.5 J**
Famphur	ug/L	49 UJ	49 UJ	49 UJ	250 UJ	47 UJ	47 UJ

Analyte	Unit	SUMP 2A	SUMP 2A DUP	SUMP 2B	WET WELL 1	WET WELL 2	WET WELL 3
Hexachlorobutadiene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Isobutyl alcohol	ug/L	750 U	750 U	750 UR	1,500 UR	750 UR	750 UR
Isodrin	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Methacrylonitrile	ug/L	75 U	75 U	75 UR	150 UR	75 UR	75 UR
Methyl Methacrylate	ug/L	20 U	20 U	20 UR	40 UR	20 UR	20 UR
Methyl methanesulfonate	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Methylene Chloride	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Methyliodide	ug/L	25 U	25 U	25 UR	50 UR	25 UR	25 UR
N,N-Diphenylamine	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Pentachlorobenzene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Phenacetin	ug/L	20 U	20 U	20 U	100 U	19 U	19 U
Propionitrile	ug/L	100 U	100 U	100 UR	200 UR	100 UR	100 UR
Quintozene	ug/L	49 U	49 U	49 U	250 U	47 U	47 U
Tetrachloroethene (PCE)	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Thionazin	ug/L	30 U	29 U	29 U	150 U	28 U	28 U
Toluene	ug/L	5.0 U	5.0 U	5.0 UR	**15 J**	**1.3 J**	**7.0 J**
Total Xylenes	ug/L	5.0 U	5.0 U	5.0 UR	**23 J**	**4.2 J**	**13 J**
trans-1,2-Dichloroethene	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
trans-1,4-Dichloro-2-Butene	ug/L	15 U	15 U	15 UR	30 UR	15 UR	15 UR
Trichloroethene (TCE)	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Trichlorofluoromethane	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Triethyl thiophosphate	ug/L	30 U	29 U	29 U	150 U	28 U	28 U
Vinyl Acetate	ug/L	15 U	15 U	15 UR	30 UR	15 UR	15 UR
Vinyl Chloride	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Semi-Volatile Organic Compounds (SVOCs)							
2-Methylnaphthalene	ug/L	3.9 U	3.9 U	3.9 U	20 U	**1.1 J**	3.7 U
2-Methylphenol	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	**4.0 J**
Acetophenone	ug/L	9.9 U	9.8 U	9.8 U	**29 J**	9.5 U	**6.8 J**
Diethyl phthalate	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	**2.0 J**
Naphthalene	ug/L	3.9 U	3.9 U	3.9 U	**6.3 J**	**6.6**	**3.5 J**

Analyte	Unit	SUMP 2A	SUMP 2A DUP	SUMP 2B	WET WELL 1	WET WELL 2	WET WELL 3
All other SVOCs analyzed		ND	ND	ND	ND	ND	ND
Pesticides/Herbicides							
All pesticides/herbicides analyzed	ug/L	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls (PCBs)							
All PCBs analyzed	ug/L	ND	ND	ND	ND	ND	ND
Total Sulfide							
Total Sulfide	mg/L	0.10 U	**0.11**	0.10 U	0.25 U	**1.1**	**0.68**
Total Cyanide							
Total Cyanide	mg/L	**0.014**	**0.019**	**0.0051 J**	**0.030**	**0.012**	**0.013**
Dioxins							
2,3,7,8-TCDD	ng/L	0.0095 UJ	0.0097 UJ	0.0097 UJ	0.0097 UJ	0.0096 UJ	--
Metals							
Antimony (Total)	ug/L	20 U	20 U	20 U	**82**	**54**	**98**
Arsenic (Total)	ug/L	**8.1**	**6.1**	**1.9 J**	**300**	**170**	**280**
Barium (Total)	ug/L	**150**	**130**	**82**	**140**	**140**	**130**
Beryllium (Total)	ug/L	1.0 U	1.0 U	1.0 U	**0.39 J**	1.0 U	1.0 U
Cadmium (Total)	ug/L	**0.26 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Calcium (Total)	ug/L	**83,000**	**85,000**	**23,000**	**130,000**	**73,000**	**78,000**
Chromium (Total)	ug/L	**2.8 J**	**2.8 J**	**3.0 J**	**120**	**8.4**	**29**
Cobalt (Total)	ug/L	**14**	**45**	**1.6 J**	**33**	**26**	**22**
Copper (Total)	ug/L	**45**	**47**	**13 J**	**70**	**14 J**	**23**
Iron (Total)	ug/L	100 U	100 U	**680**	**36000**	**2400**	**7300**
Lead (Total)	ug/L	10 U	10 U	10 U	**11 J**	10 U	10 U
Magnesium (Total)	ug/L	**660,000**	**650,000**	**360,000**	**190,000**	**380,000**	**480,000**
Manganese (Total)	ug/L	**250**	**260**	**85**	**970**	**260**	**360**
Nickel (Total)	ug/L	**250**	**260**	**28**	**120**	**150**	**190**
Potassium (Total)	ug/L	**69,000**	**69,000**	**34,000**	**100,000**	**150,000**	**55,000**
Selenium (Total)	ug/L	20 U	**8.6 J**	20 U	20 U	20 U	20 U
Silicon (Total)	ug/L	**33,000**	**34,000**	**64,000**	**36,000**	**30,000**	**28,000**

Analyte	Unit	SUMP 2A	SUMP 2A DUP	SUMP 2B	WET WELL 1	WET WELL 2	WET WELL 3
Sodium (Total)	ug/L	**500,000**	**500,000**	**280,000**	**460,000**	**610,000**	**380,000**
Thallium (Total)	ug/L	**7.5 J**	**7.1 J**	15 U	15 U	**5.9 J**	**5.5 J**
Vanadium (Total)	ug/L	**21**	**15**	**3.2 J**	**83**	**13**	**13**
Zinc (Total)	ug/L	**43**	**48**	**18 J**	**250**	**71**	**27**
All other metals analyzed	ug/L	ND	ND	ND	ND	ND	ND
Major Chemical Parameters							
Ammonia as Nitrogen (N)	mg/L	**7.0 J**	**4.6**	**10**	**310**	**290**	**250**
Bicarbonate Alkalinity	mg/L	**1,100**	**1,100**	**1,500**	**1,400**	**2,000**	**1,600**
Bromide	mg/L	**6.2 J**	**6.2 J**	**5.7 J**	**10**	**13**	**4.2**
Carbonate Alkalinity	mg/L	10 U	10 U	10 U	10 U	10 U	10 U
Chemical Oxygen Demand (COD)	mg/L	**170**	**150**	**200**	**370**	**360**	**170**
Chloride	mg/L	**810**	**810**	**470**	**970**	**1100**	**580**
Nitrate Nitrite as N	mg/L	**100**	**110**	<0.20	**2.8**	**38**	**76**
Sulfate	mg/L	**1,200**	**1,200**	**2.0 J**	**630**	**440**	**760**
Total Alkalinity	mg/L	**1,100**	**1,100**	**1,500**	**1,400**	**2,000**	**1,600**
Total Dissolved Solids	mg/L	**4,200**	**4,300**	**2,000**	**3,200**	**3,800**	**3,100**
Total Organic Carbon	mg/L	**56**	**54**	**63**	**110**	**110**	**51**

Notes:

1. Bold - Bold text indicates the detected concentration exceeds the reporting limit (RL)

Abbreviations:

J = Result is estimated

R = Result rejected due to holding time exceedance or low QC spike recovery

MCL = maximum contaminant level

ND = nondetected

U = not detected below the reporting limit shown

mg/L = milligrams per liter

ug/L = micrograms per liter

ng/L = nanograms per liter

3.4 Leachate Analyses Results

This section discusses the results of the First Quarter 2026 leachate sampling and analyses. Analytical results for samples collected from Wet Wells 1, 2, and 3, and Sumps 2A and 2B are summarized in Table 3. Analytical laboratory reports are presented in Appendix C.

Volatile Organic Compounds:

- 2-butanone was detected in one of six samples at a concentration of 3700J ug/L in Wet Well 1. 2-Butanone was not detected above the RLs in SUMP 2A, SUMP 2A DUP, SUMP 2B, Wet Well 2, or Wet Well 3.
- 4-methyl-2-pentanone was detected in two of six samples at concentrations ranging between 15J and 71J ug/L. 4-methyl-2-pentanone was not detected above the RLs in SUMP 2A, SUMP 2A DUP, SUMP 2B, and Wet Well 2.
- Acetone was detected in two of six samples at concentrations ranging between 32J and 5000J ug/L. Acetone was not detected above the RLs in SUMP 2A, SUMP 2A SUP, Wet Well 2, and Wet Well 3.
- Cis-1,2-dichloroethene (cDCE) was detected in one of six samples at a concentration of 1.6J in SUMP 2B. Cis-1,2-Dichloroethene (cDCE) was not detected above RLs in SUMP 2A, SUMP 2A DUP, Wet Well 1, Wet Well 2, and Wet Well 3.
- Ethylbenzene was detected in two of six samples at concentrations ranging from 4.5J to 7.9J ug/L. Ethylbenzene was not detected above the RLs in SUMP 2A, SUMP 2A SUP, SUMP 2B, and Wet Well 2.
- Toluene was detected in three of six samples at concentrations ranging from 1.3J and 15J ug/L. Toluene was not detected above RLs in SUMP 2A, SUMP 2A DUP, and SUM 2B.
- Total xylenes were detected in three of six samples at concentration ranging from 4.2J and 23J ug/L. Total Xylenes were not detected above RLs in SUMP 2A, SUMP 2A DUP, and SUMP 2B.

Semivolatile Organic Compounds:

- 2-methylnaphthalene was detected in one of six samples at a concentration of 1.1J ug/L in Wet Well 2. 2-methylnaphthalene was not detected above the RLs in SUMP 2A, SUMP 2A DUP, SUM 2B, Wet Well 1, and Wet Well 3.
- 2-methylphenol was detected in one of six samples at a concentration of 4.0J ug/L in Wet Well 3. 2-methylnaphthalene was not detected above the RLs in SUMP 2A, SUMP 2A DUP, SUM 2B, Wet Well 1, and Wet Well 2.
- Acetophenone was detected in two of six samples at a concentration ranging between 6.8J and 29J ug/L. Acetophenone was not detected above the RLs in SUMP 2A, SUMP 2A DUP, SUM 2B, and Wet Well 2.

- Diethylphalate was detected in one of six samples at a concentration of 2.0J ug/L in Wet Well 3. Diethylphalate was not detected above the RLs in SUMP 2A, SUMP 2A DUP, SUM 2B, Wet Well 1, and Wet Well 2.
- Naphthalene was detected in three of six samples at a concentration ranging between 3.5J and 6.6 ug/L. Naphthalene was not detected above the RLs in SUMP 2A, SUMP 2A DUP, and SUM 2B.

Pesticides/Herbicides:

- Pesticides/Herbicides were not detected above RLs in leachate samples.

Polychlorinated biphenyls:

- PCBs were not detected above RLs in leachate samples.

Total Sulfide: –

- Total sulfide was detected at three of six samples at concentrations ranging from 0.68 to 1.1 mg/L. Total sulfide was not detected above RLs in SUMP 2A, SUMP 2B, and Wet Well 1.

Total Metals:

- Antimony was detected at three of six samples at concentrations ranging between 52 and 86 ug/L. Antimony was not detected above the RL in SUMP 2A, SUMP 2A SUP, and SUMP 2B.
- Arsenic was detected in all six samples at concentrations ranging between 1.9J and 300 ug/L.
- Barium was detected in all six samples at concentrations ranging between 82 and 150 ug/L.
- Beryllium was detected in one of six samples at a concentration of 0.39J ug/L in Wet Well 1. Beryllium was not detected above the RLs in SUMP 2A, SUMP 2A SUP, SUMP 2B, Wet Well 2, and Wet Well 3.
- Cadmium was detected in one of six samples at a concentration of 0.29J ug/L in SUMP 2A. Cadmium was not detected above the RLs in SUMP 2A SUP, SUMP 2B, Wet Well 1, Wet Well 2, and Wet Well 3.
- Calcium was detected in all six samples at concentrations ranging between 23,000 and 130,000 ug/L.
- Chromium was detected in all six samples at concentrations ranging between 2.8J and 120 ug/L.
- Cobalt was detected in all six samples at concentrations ranging between 1.6J and 33 ug/L.
- Copper was detected in all six samples at concentrations ranging between 13J and 70 ug/L.

- Iron was detected in four of six samples at concentrations ranging between 680 and 36,000 ug/L. Iron was not detected above RLs in SUMP 2A and SUMP 2A DUP.
- Lead was detected in one of six samples at a concentration of 11J ug/L in Wet Well 1. Lead was not detected above the RLs in SUMP 2A, SUMP 2A DUP, SUMP 2B, Wet Well 2, and Wet Well 3.
- Magnesium was detected in all six samples at concentrations ranging between 190,000 and 660,000 ug/L.
- Manganese was detected in all six samples at concentrations ranging between 85 and 970 ug/L.
- Nickle was detected in all six samples at concentrations ranging between 28 and 260 ug/L.
- Potassium was detected in all six samples at concentrations ranging between 34,000 and 150,000 ug/L.
- Selenium was detected in one of six samples at a concentration of 8.6J at SUMP 2A DUP. Selenium was not detected above the RLs in SUMP 2A, SUMP 2B, Wet Well 1, Wet Well 2, and Wet Well 3
- Silicon was detected in all six samples at concentrations between 28,000 and 64,000 ug/L.
- Sodium was detected in all six samples at concentrations ranging between 280,000 and 610,000 ug/L.
- Thallium was detected in four of six samples at concentrations ranging between 5.5J and 7.5J ug/L. Thallium was not detected above the RLs in SUMP 2B and Wet Well 1.
- Vanadium was detected in all six samples at concentrations ranging between 3.2J and 83 ug/L.
- Zinc was detected in all six samples at concentrations ranging between 18J and 250 ug/L.

Major Chemical Parameters:

- The leachate sample collected from Sump 2A had a reported TDS concentration of 4,200 mg/L. Major leachate indicator compounds and major cations/anions detected were reported as: total alkalinity (1,100 mg/L), estimated concentration for ammonia as N (7.0 J mg/L), estimated concentration for bromide (6.2 J mg/L), calcium (83 mg/L), COD (170 mg/L), chloride (810 mg/L), iron (<100 mg/L), magnesium (660 mg/L), potassium (69 mg/L), sodium (500 mg/L), sulfate (1,200 mg/L), and TOC (56 mg/L).
- The leachate sample collected from Sump 2B had a reported TDS concentration of 2,000 mg/L. Major leachate indicator compounds and major cations/anions detected were reported as: total alkalinity (1,500 mg/L), ammonia as N (10 mg/L), estimated

concentration for bromide (5.7 J mg/L), calcium (23 mg/L), COD (63 mg/L), chloride (470 mg/L), iron (0.68 mg/L), magnesium (360 mg/L), potassium (34 mg/L), sodium (280 mg/L), estimated concentration for sulfate (2.0 J mg/L), and TOC (2,000 mg/L).

- The leachate sample collected from Wet Well 1 had a reported TDS concentration of 3,200 mg/L. Major leachate indicator compounds and major cations/anions detected were reported as: total alkalinity (1,400 mg/L), ammonia as N (310 mg/L), bromide (10 mg/L), calcium (130 mg/L), COD (370 mg/L), chloride (970 mg/L), iron (36 mg/L), magnesium (190 mg/L), potassium (100 mg/L), sodium (460 mg/L), sulfate (630 mg/L), and TOC (110 mg/L).
- The leachate sample collected from Wet Well 2 had a reported TDS concentration of 3,800 mg/L. Major leachate indicator compounds and major cations/anions detected were reported as: total alkalinity (2,00 mg/L), ammonia as N (38 mg/L), bromide (13 mg/L), calcium (73 mg/L), COD (360 mg/L), chloride (1,100 mg/L), iron (2.4 mg/L), magnesium (380 mg/L), potassium (150 mg/L), sodium (610 mg/L), sulfate (440 mg/L), and TOC (110 mg/L).
- The leachate sample collected from Wet Well 3 had a reported TDS concentration of 3,100 mg/L. Major leachate indicator compounds and major cations/anions detected were reported as: total alkalinity (1,600 mg/L), ammonia as N (250 mg/L), bromide (4.2 mg/L), calcium (78 mg/L), COD (170 mg/L), chloride (580 mg/L), iron (7.3 mg/L), magnesium (480 mg/L), potassium (55 mg/L), sodium (380 mg/L), sulfate (760 mg/L), and TOC (51 mg/L).

3.5 Leachate Monitoring Summary and Conclusions

The concentrations of VOCs, SVOCs, cations and ions, and indicator parameters for the First Quarter 2026 leachate monitoring event are generally consistent with previous monitoring events.

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APPENDIX A
Field Information Forms

Geosyntec consultants

6900D Kaumuali'i Hwy
Kekaha, Hawaii 96752
PH 808.337.1416

Groundwater Purging and Sampling Log

2/15/2026

Project No: GX3074	Task No: 01/13	Project Name: Kekaha Landfill	Date: 2/15/25
Site Location: Kauai, HI	Depth to Water (DTW)(ft): 10.2	Measurements Referenced to: TOC	
Well ID: MW 1-1A	Total Well Depth (ft): —	OVM (ppm) =	
Screen Interval (ft): —	Well Diameter (inch): 2"	Casing Volume:	
Pump Placement (ft): —	DTW After Purge (ft): —	3 Casing Volumes:	
Sampler(s): George A Hichborn			

Purging Equipment:
- ( ) Disposable Bailer
- ( ) Electric Submersible Pump
- (X) Bladder Pump

Sampling Equipment:
- ( ) Disposable Bailer
- (X) Dedicated Tubing
- ( ) Other: _____

Type of Water Quality Meter Used: Horiba U-52
- (X) Low-Flow/Micro Purging
- ( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe	
Well Diameter (inches).	gal/linear ft.
1.00	0.041
2.00	0.163
3.00	0.367
4.00	0.653
5.00	1.023
6.00	1.469

Time (24 hrs)	Water Level (ft TOC)	Turbidity (NTUs)	DO (mg/l)	pH (units)	Spec.Cond. (uS/cm)	ORP (mv)	Temp. (°C or °F)	Rate (ml/min)	Total Volume
—	—	(± 10%)	(± 0.3)	(± 0.1)	(± 3%)	(± 10mV)	---	—	—
1049	10.3	1.10	6.88	7.31	3.08	-2	27.92	400	1200
1052	10.3	0.97	6.19	7.30	3.01	-10	27.96	400	2400
1055	10.3	0.84	7.04	7.27	3.01	-46	28.18	400	3600
1058	10.4	0.81	6.94	7.27	2.95	-61	28.34	400	4800
1101	10.4	0.76	6.84	7.26	2.88	-69	28.98	400	6000
1104	10.5	0.54	6.30	7.26	2.83	-95	29.12	400	7200
1107	10.5	0.50	5.50	7.25	2.83	-104	29.23	400	8400
1110	10.5	0.41	5.42	7.24	2.80	-109	29.39	400	9600
1113	10.5	0.32	5.36	7.24	2.80	-117	29.46	400	10800
1115	10.5	0.27	5.21	7.23	2.80	-121	29.40	400	11000

Notes: Sampled 1115

Total Gallons Purged:

Presence of Sheen in groundwater sample (yes/no): NO

Sample ID and Analysis: MW1-1A

Duplicate Sample: N/A

Equipment Blank:

Geosyntec consultants

6900D Kaumuali'i Hwy
Kekaha, Hawaii 96752
PH 808.337.1416

Groundwater Purging and Sampling Log

2/15/2026

Project No: WO 3074	Task No: 01/13	Project Name: Kekaha Landfill	Date: 2/15/25
Site Location: Kauai, HI	Depth to Water (DTW)(ft): 8.89	Measurements Referenced to: TOC	
Well ID: MW-2A	Total Well Depth (ft): —	OVM (ppm) =	
Screen Interval (ft): —	Well Diameter (inch): 2"	Casing Volume:	
Pump Placement (ft): —	DTW After Purge (ft): —	3 Casing Volumes:	
Sampler(s): George A Hichborn			

Purging Equipment:
- ( ) Disposable Bailer
- ( ) Electric Submersible Pump
- (X) Bladder Pump

Sampling Equipment:
- ( ) Disposable Bailer
- (X) Dedicated Tubing
- ( ) Other: _____

Type of Water Quality Meter Used: Horiba U-52
- (X) Low-Flow/Micro Purging
- ( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe

Well Diameter (inches).	gal/linear ft.
1.00	0.041
2.00	0.163
3.00	0.367
4.00	0.653
5.00	1.023
6.00	1.469

Time (24 hrs)	Water Level (ft TOC)	Turbidity (NTUs)	DO (mg/l)	pH (units)	Spec.Cond. (uS/cm)	ORP (mv)	Temp. (°C or °F)	Rate (ml/min)	Total Volume
—	—	(± 10%)	(± 0.3)	(± 0.1)	(± 3%)	(± 10mV)	---	—	—
1159	8.90	2.75	4.12	7.17	2.48	-106	28.56	400	1200
1202	8.90	1.64	1.65	7.14	2.48	-110	28.58	400	2400
1205	8.90	1.15	1.25	7.11	2.48	-111	28.64	400	3600
1208	8.91	.84	0.69	7.10	2.47	-113	28.66	400	4800
1211	8.91	.52	0.51	7.09	2.47	-114	28.66	400	6000
1214	8.91	.46	0.42	7.08	2.47	-116	28.67	400	7200
1217	8.91	.43	0.38	7.08	2.46	-117	28.67	400	8400
1220	8.92	.29	0.33	7.08	2.46	-116	28.65	400	9600
1223	8.92	.20	0.34	7.08	2.46	-116	28.65	400	10800
1226	8.92	.12	0.37	7.08	2.46	-116	28.66	400	12000

Notes: Sample 1226

Total Gallons Purged:

Presence of Sheen in groundwater sample (yes/no): NO

Sample ID and Analysis: MW1-2A

Duplicate Sample:

Equipment Blank:

Geosyntec consultants

6900D Kaumuali'i Hwy
Kekaha, Hawaii 96752
PH 808.337.1416

Groundwater Purging and Sampling Log

2/15/2026

Project No: WO 3074	Task No: 01/1.3	Project Name: Kekaha Landfill	Date: 2/15/25
Site Location: Kauai, HI	Depth to Water (DTW)(ft): 9.38	Measurements Referenced to: TOC	
Well ID: MW-3A	Total Well Depth (ft): —	OVM (ppm) =	
Screen Interval (ft): —	Well Diameter (inch): 2"	Casing Volume:	
Pump Placement (ft): —	DTW After Purge (ft): —	3 Casing Volumes:	
Sampler(s): George A Hiatt			

Purging Equipment:
- ( ) Disposable Bailer
- ( ) Electric Submersible Pump
- (X) Bladder Pump

Sampling Equipment:
- ( ) Disposable Bailer
- (X) Dedicated Tubing
- ( ) Other: _____

Type of Water Quality Meter Used: Horiba U-52
- (X) Low-Flow/Micro Purging
- ( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe

Well Diameter (inches).	gal/linear ft.
1.00	0.041
2.00	0.163
3.00	0.367
4.00	0.653
5.00	1.023
6.00	1.469

Time (24 hrs)	Water Level (ft TOC)	Turbidity (NTUs)	DO (mg/l)	pH (units)	Spec.Cond. (uS/cm)	ORP (mv)	Temp. (°C or °F)	Rate (ml/min)	Total Volume
—	—	(± 10%)	(± 0.3)	(± 0.1)	(± 3%)	(± 10mV)	—	—	—
1327	9.39	5.62	7.02	7.63	2.17	63	27.58	400	1200
1330	9.39	4.32	1.15	7.39	2.14	66	27.45	400	2400
1333	9.40	1.95	0.60	7.35	2.16	67	27.38	400	3600
1336	9.40	1.65	0.42	7.33	2.17	67	27.34	400	4800
1339	9.40	.99	0.25	7.32	2.18	67	27.32	400	6000
1342	9.41	.85	0.19	7.32	2.18	66	27.31	400	7200
1345	9.41	.72	0.14	7.32	2.19	66	27.30	400	8400
1348	9.41	.70	0.10	7.31	2.19	66	27.30	400	9600
				GAL					

Notes: Sampled @ 1348

Total Gallons Purged:

Presence of Sheen in groundwater sample (yes/no): no

Sample ID and Analysis: MW-3-A

Duplicate Sample: N/A

Equipment Blank:

Geosyntec consultants

6900D Kaumuali'i Hwy
Kekaha, Hawaii 96752
PH 808.337.1416

Groundwater Purging and Sampling Log

Project No: WO 3074	Task No: 01 / 1.3	Project Name: Kekaha Landfill	Date: 2 / 15 / 26
Site Location: Kauai, HI	Depth to Water (DTW)(ft): 11.0	Measurements Referenced to: TOC	
Well ID: MW 11-2	Total Well Depth (ft): —	OVM (ppm) =	
Screen Interval (ft): —	Well Diameter (inch): 2"	Casing Volume:	
Pump Placement (ft): —	DTW After Purge (ft): —	3 Casing Volumes:	
Sampler(s): George A Hichbarn			

Purging Equipment:
- ( ) Disposable Bailer
- ( ) Electric Submersible Pump
- (X) Bladder Pump

Sampling Equipment:
- ( ) Disposable Bailer
- (X) Dedicated Tubing
- ( ) Other: _____

Type of Water Quality Meter Used: Horiba U-52
- (X) Low-Flow/Micro Purging
- ( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe	
Well Diameter (inches).	gal/linear ft.
1.00	0.041
2.00	0.163
3.00	0.367
4.00	0.653
5.00	1.023
6.00	1.469

Time (24 hrs)	Water Level (ft TOC)	Turbidity (NTUs)	DO (mg/l)	pH (units)	Spec.Cond. (uS/cm)	ORP (mv)	Temp. (°C or °F)	Rate (ml/min)	Total Volume
—	—	(± 10%)	(± 0.3)	(± 0.1)	(± 3%)	(± 10mV)	—	—	—
0848	11.01	5.68	12.88	7.33	1.73	137	25.36	200	600
0851	11.01	0.83	3.55	7.25	1.83	136	26.13	200	1200
0854	11.03	0.78	3.19	7.24	1.85	136	26.34	200	1800
0857	11.02	0.74	2.46	7.22	1.87	135	26.48	2.00	2100
0900	11.03	0.27	2.27	7.21	1.88	135	26.58	2.00	2400
0903	11.03	0.10	1.95	7.21	1.89	134	26.63	2.00	2700
0907	11.03	0.09	1.78	7.20	1.90	1.34	26.70	2.00	3000
0910	11.03	0.07	1.69	7.20	1.90	133	26.73	2.00	3600 4200
0913	11.03	0.06	1.58	7.19	1.91	133	26.79	2.00	
				GAH					

Notes: Sample 0913

Total Gallons Purged:

Presence of Sheen in groundwater sample (yes/no): NO

Sample ID and Analysis: MW11-2

Duplicate Sample: N/A

Equipment Blank:

Geosyntec consultants

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Kekaha, Hawaii 96752
PH 808.337.1416

Groundwater Purging and Sampling Log

Project No: WO 3074	Task No: 01/13	Project Name: Kekaha Landfill	Date: 2/15/26
Site Location: Kauai, HI	Depth to Water (DTW)(ft): 8.62	Measurements Referenced to: TOC	
Well ID: MW11-5 / Dup	Total Well Depth (ft): —	OVM (ppm) =	
Screen Interval (ft): —	Well Diameter (inch): 2"	Casing Volume:	
Pump Placement (ft): —	DTW After Purge (ft): —	3 Casing Volumes:	
Sampler(s): George A Hichbarn			

Purging Equipment:
- ( ) Disposable Bailer
- ( ) Electric Submersible Pump
- (X) Bladder Pump

Sampling Equipment:
- ( ) Disposable Bailer
- (X) Dedicated Tubing
- ( ) Other: _____

Type of Water Quality Meter Used: Horiba U-52
- (X) Low-Flow/Micro Purging
- ( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe	
Well Diameter (inches).	gal/linear ft.
1.00	0.041
2.00	0.163
3.00	0.367
4.00	0.653
5.00	1.023
6.00	1.469

Time (24 hrs)	Water Level (ft TOC)	Turbidity (NTUs)	DO (mg/l)	pH (units)	Spec.Cond. (uS/cm)	ORP (mv)	Temp. (°C or °F)	Rate (ml/min)	Total Volume
—	—	(± 10%)	(± 0.3)	(± 0.1)	(± 3%)	(± 10mV)	—	—	—
0715	8.62	1.83	5.29	6.67	1.36	139	26.90	350	1050
0718	8.62	0.65	4.30	6.69	1.36	138	27.32	350	2100
0721	8.63	0.35	3.30	6.76	1.37	137	27.39	350	3150
0724	8.63	0.30	2.85	6.78	1.36	136	27.35	350	4200
0727	8.64	0.31	2.52	6.81	1.36	136	27.50	350	5250
0730	8.64	0.22	1.90	6.84	136	135	27.53	350	6300
0733	8.64	0.19	1.72	6.86	134	133	27.57	350	7350
				GAH					

Notes: Sampled 0733

Total Gallons Purged:

Presence of Sheen in groundwater sample (yes/no)

Sample ID and Analysis: MW11-5 /

Duplicate Sample: YES

Equipment Blank:

Geosyntec consultants

6900D Kaumuali'i Hwy
Kekaha, Hawaii 96752
PH 808.337.1416

Groundwater Purging and Sampling Log

Project No: WO 3074	Task No: 01 i.3	Project Name: Kekaha Landfill	Date: 2/15/26
Site Location: Kauai, HI	Depth to Water (DTW)(ft): 10.32	Measurements Referenced to: TOC	
Well ID: MW 11-6	Total Well Depth (ft): —	OVM (ppm) =	
Screen Interval (ft): —	Well Diameter (inch): 2"	Casing Volume:	
Pump Placement (ft): —	DTW After Purge (ft): —	3 Casing Volumes:	
Sampler(s): George A Hichborn			

Purging Equipment:
- ( ) Disposable Bailer
- ( ) Electric Submersible Pump
- (X) Bladder Pump

Sampling Equipment:
- ( ) Disposable Bailer
- (X) Dedicated Tubing
- ( ) Other:_____

Type of Water Quality Meter Used: Horiba U-52
- (X) Low-Flow/Micro Purging
- ( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe	
Well Diameter (inches).	gal/linear ft.
1.00	0.041
2.00	0.163
3.00	0.367
4.00	0.653
5.00	1.023
6.00	1.469

Time (24 hrs)	Water Level (ft TOC)	Turbidity (NTUs)	DO (mg/l)	pH (units)	Spec.Cond. (uS/cm)	ORP (mv)	Temp. (°C or °F)	Rate (ml/min)	Total Volume
—	—	(± 10%)	(± 0.3)	(± 0.1)	(± 3%)	(± 10mV)	—	—	—
1430	10.35	8.42	4.78	7.62	1.20	115	27.19	200	600
1433	10.35	6.57	4.65	7.61	1.20	95	26.75	200	1200
1436	10.35	3.49	3.96	7.60	1.20	97	26.73	200	1800
1439	10.35	2.89	2.51	7.54	1.19	98	26.64	200	2400
1442	10.35	2.26	1.98	7.53	1.19	99	26.50	200	3000
1445	10.36	1.97	1.64	7.47	1.19	100	26.50	200	3600
1447	10.36	.83	1.61	7.45	1.19	101	26.47	200	4200
1451	10.36	.80	1.56	7.43	1.19	101	26.38	200	4800
1454	10.36	.76	1.50	7.43	1.19	101	26.38	200	5400
					CAW				

Notes: Sampled 1454

Total Gallons Purged:

Presence of Sheen in groundwater sample (yes/no): NO

Sample ID and Analysis: MW 11-6

Duplicate Sample: NIN

Equipment Blank:

Geosyntec consultants

6900D Kaumuali'i Hwy
Kekaha, Hawaii 96752
PH 808.337.1416

Groundwater Purging and Sampling Log

Project No: WO 3074	Task No: 01/13	Project Name: Kekaha Landfill	Date: 2/15/26
Site Location: Kauai, HI	Depth to Water (DTW)(ft): 10.97	Measurements Referenced to: TOC	
Well ID: MW 11-7	Total Well Depth (ft): —	OVM (ppm) =	
Screen Interval (ft): —	Well Diameter (inch): 2"	Casing Volume:	
Pump Placement (ft): —	DTW After Purge (ft): —	3 Casing Volumes:	
Sampler(s): George A Hichborn			

Purging Equipment:
- ( ) Disposable Bailer
- ( ) Electric Submersible Pump
- (X) Bladder Pump

Sampling Equipment:
- ( ) Disposable Bailer
- (X) Dedicated Tubing
- ( ) Other:_____

Type of Water Quality Meter Used: Horiba U-52
- (X) Low-Flow/Micro Purging
- ( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe	
Well Diameter (inches).	gal/linear ft.
1.00	0.041
2.00	0.163
3.00	0.367
4.00	0.653
5.00	1.023
6.00	1.469

Time (24 hrs)	Water Level (ft TOC)	Turbidity (NTUs)	DO (mg/l)	pH (units)	Spec.Cond. (uS/cm)	ORP (mv)	Temp. (°C or °F)	Rate (ml/min)	Total Volume
—	—	(± 10%)	(± 0.3)	(± 0.1)	(± 3%)	(± 10mV)	---	—	—
0945	10.97	1.06	4.17	7.16	13.3	-4	26.40	350	1050
0948	10.97	0.58	4.02	7.17	13.5	-3	26.49	350	2100
0951	10.99	0.47	2.98	7.16	13.5	-24	26.51	350	3150
0954	11.00	0.32	2.76	7.16	13.5	-32	26.54	350	4200
0957	11.00	0.21	1.98	7.15	13.6	-55	26.56	350	5250
1000	11.00	0.18	1.87	7.14	13.6	-78	26.60	350	6300
1003	11.01	0.15	1.77	7.13	13.5	-80	26.56	350	7350
				GAH					

Notes: Sample 10:01

Total Gallons Purged:

Presence of Sheen in groundwater sample (yes/no):

Sample ID and Analysis: MW11-7

Duplicate Sample: N/A

Equipment Blank:

Geosyntec consultants

6900D Kaumuali'i Hwy
Kekaha, Hawaii 96752
PH 808.337.1416

Groundwater Purging and Sampling Log

2/16/2026

Project No: WO 3074	Task No: 01 i.3	Project Name: Kekaha Landfill	Date: 2 / 16 / 25
Site Location: Kauai, HI	Depth to Water (DTW)(ft): 9.82	Measurements Referenced to: TOC	
Well ID: MW 11-8	Total Well Depth (ft): —	OVM (ppm) =	
Screen Interval (ft): —	Well Diameter (inch): 2"	Casing Volume:	
Pump Placement (ft): —	DTW After Purge (ft): —	3 Casing Volumes:	
Sampler(s): George A Hichborn			

Purging Equipment:
- ( ) Disposable Bailer
- ( ) Electric Submersible Pump
- (X) Bladder Pump

Sampling Equipment:
- ( ) Disposable Bailer
- (X) Dedicated Tubing
- ( ) Other: _____

Type of Water Quality Meter Used: Horiba U-52
- (X) Low-Flow/Micro Purging
- ( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe

Well Diameter (inches).	gal/linear ft.
1.00	0.041
2.00	0.163
3.00	0.367
4.00	0.653
5.00	1.023
6.00	1.469

Time (24 hrs)	Water Level (ft TOC)	Turbidity (NTUs)	DO (mg/l)	pH (units)	Spec.Cond. (uS/cm)	ORP (mv)	Temp. (°C or °F)	Rate (ml/min)	Total Volume
—	—	(± 10%)	(± 0.3)	(± 0.1)	(± 3%)	(± 10mV)	—	—	—
0845	9.82	8.63	5.10	7.53	0.871	157	22.10	150	450
0848	9.82	8.21	4.75	7.71	0871	153	23.64	150	900
0851	9.82	7.46	2.90	7.66	0.875	116	23.91	150	1350
0854	9.84	7.63	2.30	7.63	0.878	117	24.18	150	1800
0857	9.84	5.60	1.95	7.61	0.886	117	24.22	150	2250
0900	9.84	3.21	1.47	7.59	0.887	117	24.35	150	2700
0903	9.84	1.05	1.23	7.56	0.889	116	24.42	150	3150
0906	9.84	.86	0.77	7.55	0.889	116	24.44	150	3600
0909	9.84	.83	0.69	7.54	0890	116	24.45	150	4050
0912	9.84	.78	0.65	7.55	0.890	116	24.45	150	4500

Notes: Sample: 0912

Total Gallons Purged:

Presence of Sheen in groundwater sample (yes/no): NO

Sample ID and Analysis:

Duplicate Sample:

Equipment Blank:

Geosyntec consultants

6900D Kaumuali'i Hwy
Kekaha, Hawaii 96752
PH 808.337.1416

Groundwater Purging and Sampling Log

Project No: WO 3074	Task No: 01/1.3	Project Name: Kekaha Landfill	Date: 2 / 16 / 26
Site Location: Kauai, HI	Depth to Water (DTW)(ft): 12.11	Measurements Referenced to: TOC	
Well ID: MW 11-9	Total Well Depth (ft): —	OVM (ppm) =	
Screen Interval (ft): —	Well Diameter (inch): 2"	Casing Volume:	
Pump Placement (ft): —	DTW After Purge (ft): —	3 Casing Volumes:	
Sampler(s): George A Hichborn			

Purging Equipment:
- ( ) Disposable Bailer
- ( ) Electric Submersible Pump
- (X) Bladder Pump

Sampling Equipment:
- ( ) Disposable Bailer
- (X) Dedicated Tubing
- ( ) Other: _____

Type of Water Quality Meter Used: Horiba U-52
- (X) Low-Flow/Micro Purging
- ( ) Purge at least 3 well volumes

Volume of Schedule 40 PVC Pipe	
Well Diameter (inches).	gal/linear ft.
1.00	0.041
2.00	0.163
3.00	0.367
4.00	0.653
5.00	1.023
6.00	1.469

Time (24 hrs)	Water Level (ft TOC)	Turbidity (NTUs)	DO (mg/l)	pH (units)	Spec.Cond. (uS/cm)	ORP (mv)	Temp. (°C or °F)	Rate (ml/min)	Total Volume
—	—	(± 10%)	(± 0.3)	(± 0.1)	(± 3%)	(± 10mV)	---	—	—
0725	12.13	6.21	2.97	8.00	0.759	106	23.36	150	450
0728	12.13	4.46	2.72	7.88	0.752	106	23.89	150	900
0731	12.13	3.84	2.46	7.81	0.745	107	24.17	150	1350
0734	12.14	2.67	2.28	7.78	0.744	107	24.32	150	1900
0737	12.14	1.24	2.10	7.76	0.743	107	24.41	150	2350
0740	12.14	.84	1.94	7.74	0.743	107	24.43	150	2800
0743	12.14	.63	1.71	7.72	0.743	107	24.45	150	3250
0746	12.14	.58	1.28	7.69	0.743	108	24.58	150	3700
0749	12.14	.49	1.04	7.68	0.743	108	24.59	150	4150
0752	12.14	.44	1.01	7.68	0.743	108	24.58	150	4600

Notes: Sampled 0752

Total Gallons Purged:

Presence of Sheen in groundwater sample (yes/no): NO

Sample ID and Analysis: MW11-9

Duplicate Sample: N/A

Equipment Blank:

WELL CONDITION INSPECTION FORM

Site: KeKaha Landfill Personnel: George A Hickbon & Johny Fletcher

Date: 2/16/26 Page 1 of 1

Well ID	Protective Casing	Well Casing	Label	Lock	Sample Equipment Type	General Turbidity	Well Yield	Comments/Observations *
MW11-5	■ OK ☐ Damaged	■ OK ☐ Damaged	■ OK ☐ Inadequate	☐ Yes ■ No	Horiba U-52	■ Clear ☐ Turbid	■ OK ☐ Inadequate	Surface
MW11-2	■ OK ☐ Damaged	■ OK ☐ Damaged	■ OK ☐ Inadequate	■ Yes ☐ No		■ Clear ☐ Turbid	■ OK ☐ Inadequate	
MW11-7	■ OK ☐ Damaged	■ OK ☐ Damaged	■ OK ☐ Inadequate	■ Yes ☐ No		■ Clear ☐ Turbid	■ OK ☐ Inadequate	
MW1-1A	■ OK ☐ Damaged	■ OK ☐ Damaged	■ OK ☐ Inadequate	■ Yes ☐ No		■ Clear ☐ Turbid	■ OK ☐ Inadequate	
MW1-2A	■ OK ☐ Damaged	■ OK ☐ Damaged	■ OK ☐ Inadequate	■ Yes ☐ No		■ Clear ☐ Turbid	■ OK ☐ Inadequate	
MW1-3A	■ OK ☐ Damaged	■ OK ☐ Damaged	■ OK ☐ Inadequate	■ Yes ☐ No		■ Clear ☐ Turbid	■ OK ☐ Inadequate	
MW 11-6	■ OK ☐ Damaged	■ OK ☐ Damaged	☐ OK ■ Inadequate	■ Yes ☐ No		■ Clear ☐ Turbid	■ OK ☐ Inadequate	new well needs Label
MW 11-8	■ OK ☐ Damaged	■ OK ☐ Damaged	☐ OK ■ Inadequate	■ Yes ☐ No		■ Clear ☐ Turbid	■ OK ☐ Inadequate	New well needs label
MW 11-9	■ OK ☐ Damaged	■ OK ☐ Damaged	☐ OK ■ Inadequate	■ Yes ☐ No		■ Clear ☐ Turbid	■ OK ☐ Inadequate	new well needs label
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No		☐ Clear ☐ Turbid	☐ OK ☐ Inadequate	

* Note ponding water, weep holes, or any other information pertaining to well condition. Provide additional details on listed items.

Return this form to Site Manager and Groundwater Program Manager

Well Condition Summary Form

Facility: Kekaha Landfill Well/Piezometer Name: MW1-1A

Evaluator: George Hiehorn Evaluation Date: 2/15/26

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well: ☐ flush with surface? ● above ground?	X		
Is the well free of physical damage?	X		
Is the well labeled on the inside?	X		
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?	X		
Is the surface seal free of cracks that might affect the integrity of the seal?	X		
Is the surface seal sloped to prevent ponding around the well?	X		
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?	X		
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?	X		
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X		
Is the well free of kinks or bends?	X		

COMMENTS: NONE

Well Condition Summary Form

Facility: Kekaha Landfill Well/Piezometer Name: MW1-2A

Evaluator: George Hichbarn Evaluation Date: 2/15/26

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well: ☐ flush with surface? ● above ground?	X		
Is the well free of physical damage?	X		
Is the well labeled on the inside?	X		
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?	X		
Is the surface seal free of cracks that might affect the integrity of the seal?	X		
Is the surface seal sloped to prevent ponding around the well?	X		
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?	X		
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?	X		
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X		
Is the well free of kinks or bends?	X		

COMMENTS: NONE

Well Condition Summary Form

Facility: Kekaha Landfill Well/Piezometer Name: MW1-3A

Evaluator: George Hichborn Evaluation Date: 2/15/26

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well: ☐ flush with surface? ● above ground?	X		
Is the well free of physical damage?	X		
Is the well labeled on the inside?	X		
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?	X		
Is the surface seal free of cracks that might affect the integrity of the seal?	X		
Is the surface seal sloped to prevent ponding around the well?	X		
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?	X		
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?	X		
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X		
Is the well free of kinks or bends?	X		

COMMENTS: None

Well Condition Summary Form

Facility: Kekaha Landfill Well/Piezometer Name: MW11-2

Evaluator: George A Hicks Evaluation Date: 2/15/26

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well: ☐ flush with surface? ● above ground?	X		
Is the well free of physical damage?	X		
Is the well labeled on the inside?	X		
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?	X		
Is the surface seal free of cracks that might affect the integrity of the seal?	X		
Is the surface seal sloped to prevent ponding around the well?	X		
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?	X		
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?	X		
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X		
Is the well free of kinks or bends?	X		

COMMENTS: NONE

Well Condition Summary Form

Facility: Kekaha Landfill Well/Piezometer Name: MW 11-5

Evaluator: George A Hiatt Evaluation Date: 2/15/26

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well: ■ flush with surface? ☐ above ground?	X		
Is the well free of physical damage?	X		
Is the well labeled on the inside?	X		
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?			X
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?	X		
Is the surface seal free of cracks that might affect the integrity of the seal?	X		
Is the surface seal sloped to prevent ponding around the well?	X		
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?			X
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?	X		
Is there a survey mark on the riser/wellhead assembly cap?			X
Is the riser cap vented?	X		
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X		
Is the well free of kinks or bends?	X		

COMMENTS: None

Well Condition Summary Form

Facility: Kekaha Landfill Well/Piezometer Name: MW11-G

Evaluator George Hichbar Evaluation Date: 2/15/26

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well: ☐ flush with surface? ● above ground?	X		
Is the well free of physical damage?	X		
Is the well labeled on the inside?	X		
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?	X		
Is the surface seal free of cracks that might affect the integrity of the seal?	X		
Is the surface seal sloped to prevent ponding around the well?	X		
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?	X		
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?	X		
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X		
Is the well free of kinks or bends?	X		

COMMENTS: NONE

Well Condition Summary Form

Facility: Kekaha Landfill Well/Piezometer Name: MW11-7

Evaluator George Hicksam Evaluation Date: 2/15/26

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well: ☐ flush with surface? ● above ground?	X		
Is the well free of physical damage?	X		
Is the well labeled on the inside?	X		
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?	X		
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?	X		
Is the surface seal free of cracks that might affect the integrity of the seal?	X		
Is the surface seal sloped to prevent ponding around the well?	X		
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?	X		
Is there a survey mark on the riser/wellhead assembly cap?	X		
Is the riser cap vented?	X		
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X		
Is the well free of kinks or bends?	X		

COMMENTS: None

Well Condition Summary Form

Facility: Kekaha Landfill Well/Piezometer Name: MW11-8

Evaluator: George Hichborn Evaluation Date: 2/16/26

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well: ☐ flush with surface? ● above ground?	X		
Is the well free of physical damage?	X		
Is the well labeled on the inside?	X		
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?	X		
Is the surface seal free of cracks that might affect the integrity of the seal?	X		
Is the surface seal sloped to prevent ponding around the well?	X		
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?	X		
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?	X		
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X		
Is the well free of kinks or bends?	X		

COMMENTS: NONE

Well Condition Summary Form

Facility: Kekaha Landfill Well/Piezometer Name: MW1-9

Evaluator: George Hicklor Evaluation Date: 2/16/26

	Y	N	N/A
Is the well's location appropriately shown on a facility map?	X		
Is the well adequately flagged if hard to find?	X		
Is the well elevation information inscribed at or on the well correct?			X
Is the well: ☐ flush with surface? ● above ground?	X		
Is the well free of physical damage?	X		
Is the well labeled on the inside?	X		
Is the well labeled on the outside?	X		
Does the well have protective posts, if necessary?	X		
Do above ground wells have weep holes at the base of the protective casing?		X	
Does the area around the well appear clean?	X		
Is the casing secure (attempt to move along two perpendicular axes)?	X		
Is the surface seal void of differential erosion around and under the base?	X		
Is the surface seal free of cracks that might affect the integrity of the seal?	X		
Is the surface seal sloped to prevent ponding around the well?	X		
Is the well free from standing or ponded water?	X		
Is the well locked to prevent unauthorized access?	X		
Is the protective casing cap void of large gaps which would breach security?	X		
Is the locking cap free of rust?	X		
Is there a survey mark on the riser/wellhead assembly cap?		X	
Is the riser cap vented?	X		
Is the annular space free of animal/insect nests?	X		
Is the annular space appropriately filled with filtering material?	X		
If a pump, can it be lifted a few inches? (do not test prior to sampling)	X		
Is the well free of kinks or bends?	X		

COMMENTS: NONE

PHASE 1 QUARTERLY SITE INSPECTION
KEKAHA SANITARY LANDFILL GCCS
KEKAHA, KAUA'I, HAWAI'I

Technician: George Hichborn Weather condition: Sunny to partly cloudy

Inspection Date and Time: 9-Mar-26

COVER INSPECTION	YES	NO	COMMENTS
Issues with Infiltration Ditch		No	
Issues with Storm water pipe inlets		No	
Issues with storm water pipe outlets and energy dissipaters		No	
Signs of Landfill Settlement		No	
Signs of Landfll Gas Migration (Dead or Brown Vegetation		No	
Erosion on cap system - deck and side slopes		No	
Issues with Landfill security measures (Gate, Fencing, etc.)	Yes		

ACTION TAKEN

Repair Item	Location		Date	Comments
	Latitude	Longitude		
Front Left Gate			03/05/26	The vehicle hit the left side of Gate needs repair. The county placed a work order

Comments:

Note

**For Location of Observation and Repairs Made: Show on Map and provide GPS coordinates

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Johnny Fielder / George Hichborn	Lab PM: McCabe, Shelby	Carrier Tracking No(s):	COC No: 1
Client Contact: Mr. Justin Lottig	Phone: 480-318-9459	E-Mail: Shelby.McCabe@et.eurofinsus.com	State of Origin: HI	Page: 1 of 2
Company: Geosyntec Consultants, Inc.	PWSID:			Job #: WG3074
Address: 920 SW Sixth Avenue Suite 600	Due Date Requested:			
City: Portland	TAT Requested (days):			
State, Zip: OR, 97204	Compliance Project: Δ Yes Δ No			
Phone: 971-271-5917(Tel)	PO #: WO-CO2-WG3074-100035480			
Email: JLottig@Geosyntec.com	WO #: Project Number: WG3074- Kekaha Env.			
Project Name: Kekaha Landfill	Project #: 28002962			
Site: Hawaii, Annual Groundwater (APP I + APP II)	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2Q4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOCs (APP I + APP II)	300.0_28D - Br/Cl/SO4, 2320B - Total, Bicarb and Carb Alkalinity, 2540C_Calcd - TDS	6010D/6020B/7470A - Total Metals (APP II)	6010D/6020B/7470A - Dissolved Metals (field filtered) (APP II)	8081B/8082A - Pest/PCBs	8321B - Herbicides	8270E - SVOCs	SM4500_S2_D - Total Sulfide	9012B_NP - Total Cyanide	8280A - 2,3,7,8-TCDD (Sacramento)	410.4 - COD, 350.1 - Ammonia, 353.2 - NOXT	SM5310B - TOC (field filtered)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	D	D	N	N	N	CB	B	N	S	S		
MW 11-5	2-15-26	0733	G	W			X	X	X	X	X	X	X	X	X	X	X	X		
MW 11-5 Dup	2-15-26	0733	G	W			X	X	X	X	X	X	X	X	X	X	X	X		
MW 11-2	2-15-26	0913	G	W			X	X	X	X	X	X	X	X	X	X	X	X		
MW 11-7	2-15-26	1001	G	W			X	X	X	X	X	X	X	X	X	X	X	X		
MW 1-1A	2-15-26	1115	G	W			X	X	X	X	X	X	X	X	X	X	X	X		
MW 1-2A	2-15-26	1226	G	W			X	X	X	X	X	X	X	X	X	X	X	X		
MW 1-3A	2-15-26	1348	G	W			X	X	X	X	X	X	X	X	X	X	X	X		
Trip Blank	2-15-26	0733	G	W																
Trip Blank	2-15-26	1115	G	W																

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
George Hichborn	2/15/26 1200	GEOSYNTEC	FED-EX		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: George Hichborn / Johnny Fields	Lab PM: McCabe, Shelby	Carrier Tracking No(s):	COC No: 1
Client Contact: Mr. Justin Lottig	Phone: 480-318-9458	E-Mail: Shelby.McCabe@et.eurofinsus.com	State of Origin: HI	Page: 2 of 2
Company: Geosyntec Consultants, Inc.	PWSID:			Job #:
Address: 920 SW Sixth Avenue Suite 600	Due Date Requested:			
City: Portland	TAT Requested (days):			
State, Zip: OR, 97204	Compliance Project: Δ Yes Δ No			
Phone: 971-271-5917(Tel)	PO #: WO-CO2-WG3074-100035480			
Email: JLottig@Geosyntec.com	WO #: Project Number: WG3074- Kekaha Env.			
Project Name: Kekaha Landfill	Project #: 28002962			
Site: Hawaii, Annual Groundwater (APP I + APP II)	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2Q4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOCs (APP I + APP II)	300.0_28D - Br/Cl/SO4, 2320B - Total, Bicarb and Carb Alkalinity, 2540C_Calcd - TDS	6010D/6020B/7470A - Total Metals (APP II)	6010D/6020B/7470A - Dissolved Metals (field filtered) (APP II)	8081B/8082A - Pest/PCBs	8321B - Herbicides	8270E - SVOCs	SM4500_S2_D - Total Sulfide	9012B_NP - Total Cyanide	8280A - 2,3,7,8-TCDD (Sacramento)	410.4 - COD, 350.1 - Ammonia, 353.2 - NOXT	SM5310B - TOC (field filtered)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	D	D	N	N	N	CB	B	N	S	S		
MW11-6	2-15-26	1454	G	W			X	X	X	X	X	X	X	X	X	X	X	X		
MW11-8	2-16-26	0912	G	W			X	X	X	X	X	X	X	X	X	X	X	X		
MW11-9	2-16-26	0752	G	W			X	X	X	X	X	X	X	X	X	X	X	X		
Field Bank	2-16-26	1080	G	W			X	X	X	X	X	X	X	X	X	X	X	X		
Trip Blank	2-15-26	1454	G	W			X	X	X	X	X	X	X	X	X	X	X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
George A Hichborn	2-16-26 1200	GEOSYNTEC	Fed-EX		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Phone (303) 431-7171

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: George Hickborn, Johnny Fielder	Lab PM: McCabe, Shelby	Carrier Tracking No(s):	COC No: 1
Client Contact: Mr. Justin Lottig	Phone: 480-318-9459	E-Mail: Shelby.McCabe@et.eurofinsus.com	State of Origin: HI	Page: 1 of 1
Company: Geosyntec Consultants, Inc.	PWSID:			Job #: WG3074
Address: 920 SW Sixth Avenue Suite 600	Due Date Requested:			
City: Portland	TAT Requested (days):			
State, Zip: OR, 97204	Compliance Project: Δ Yes Δ No			
Phone: 971-271-5917(Tel)	PO #: WO-CO2-WG3074-100035480			
Email: JLottig@Geosyntec.com	WO #: Project Number: WG3074- Kekaha Env.			
Project Name: Kekaha Landfill	Project #: 28002962			
Site: Hawaii, APP II Leachate	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOCs (APP II)	300.0_28D - Br/Cl/SO4, 2320B - Total, Bicarb and Carb Alkalinity, 2540C_Calcd - TDS	6010D/6020B/7470A - Total Metals + Hg	6010D/6020B/7470A - Dissolved Metals + Hg (field filtered)	8081B/8082A - Pest/PCBs	8321B - Herbicides	8270E - SVOCs	SM4500_S2_D - Total Sulfide	9012B_NP - Total Cyanide	8280A - 2,3,7,8-TCDD (Sacramento)	410.4 - COD, 350.1 - Ammonia, 353.2 - NOXT, SM5310B - TOC			Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	D	D	N	N	N	CB	B	N	S				
Sump 2A	2-12-26	0830	G	W			X	X	X	X	X	X	X	X	X	X	X				
Sump 2A Dup	2.12.26	0830	G	W			X	X	X	X	X	X	X	X	X	X	X				
Sump 2B	2-12-26	1030	G	W			X	X	X	X	X	X	X	X	X	X	X				
Wet Well 1	2-12-26	1335	G	W			X	X	X	X	X	X	X	X	X	X	X				
Wet Well 2	2.12.26	1509	G	W			X	X	X	X	X	X	X	X	X	X	X				
Wet Well 3	2-12-26	1203	G	W			X	X	X	X	X	X	X	X	X	X	X				
Field Blank	2-12-26	1625	G	W			X	X	X	X	X	X	X	X	X	X	X				
Trip Blank	2-13-26	0730	G	W			X	X	X	X	X	X	X	X	X	X	X				
Trip Blank	2-12-26	1625	G	W																	
Trip Blank	2-13-26	0730	G	W																	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
George Hickborn	2/13/25 1030 AM	GEOSYNTEC	Fed Ex		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Certificate of Calibration

Instrument Type: ***Horiba U-52*** Serial Number: DC13

Calibration Solution : ***Lot# 21470033 EXP. SEP./2026***

Calibration Solution	***Result***
Temp 17.6 C	Temp 17.6 C
pH 4.00	pH 4.00
Cond. 0.00 mS/cm/4.49 mS/cm	Cond. 0.00 mS/cm/4.49 mS/cm
Turbidity 0 NTU/800 NTU	Turbidity 0 NTU/800 NTU
DO 0.00 mg/ l /10.50 mg/l @17.6 C	DO 0.00 mg/ l /10.50 mg/l @17.6C

Calibrated by: _____ Calibration Date: 2/10/26

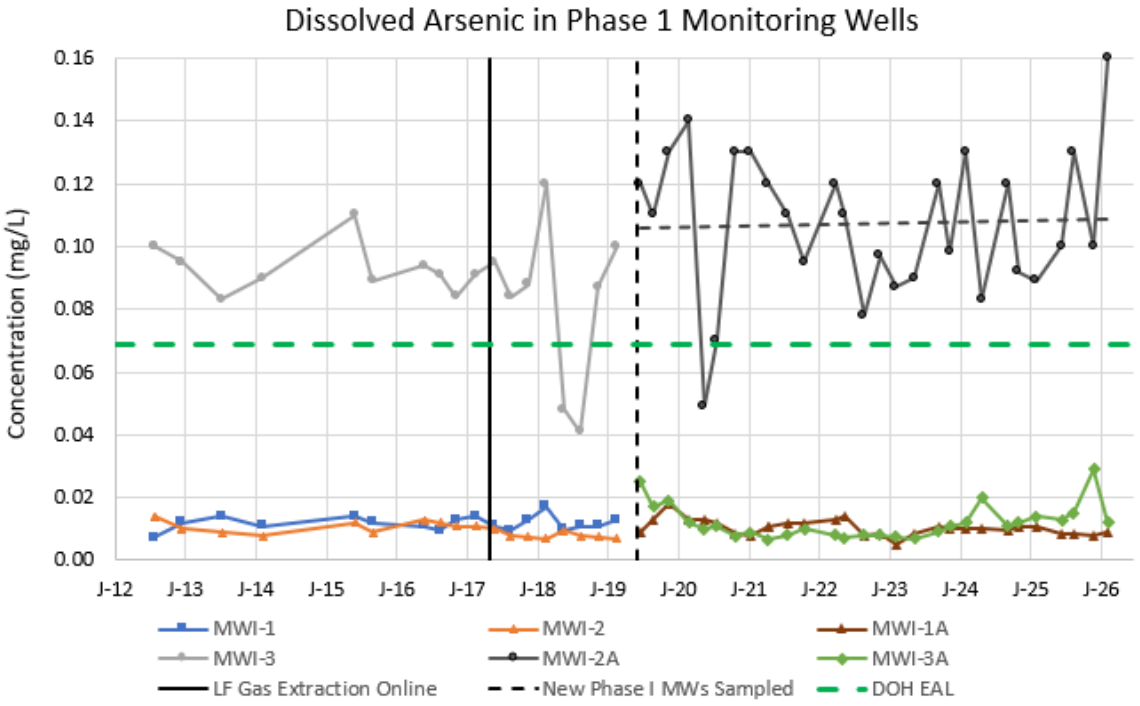
HAWAII ENVIRONMENTAL RENTAL
(808)436-5575

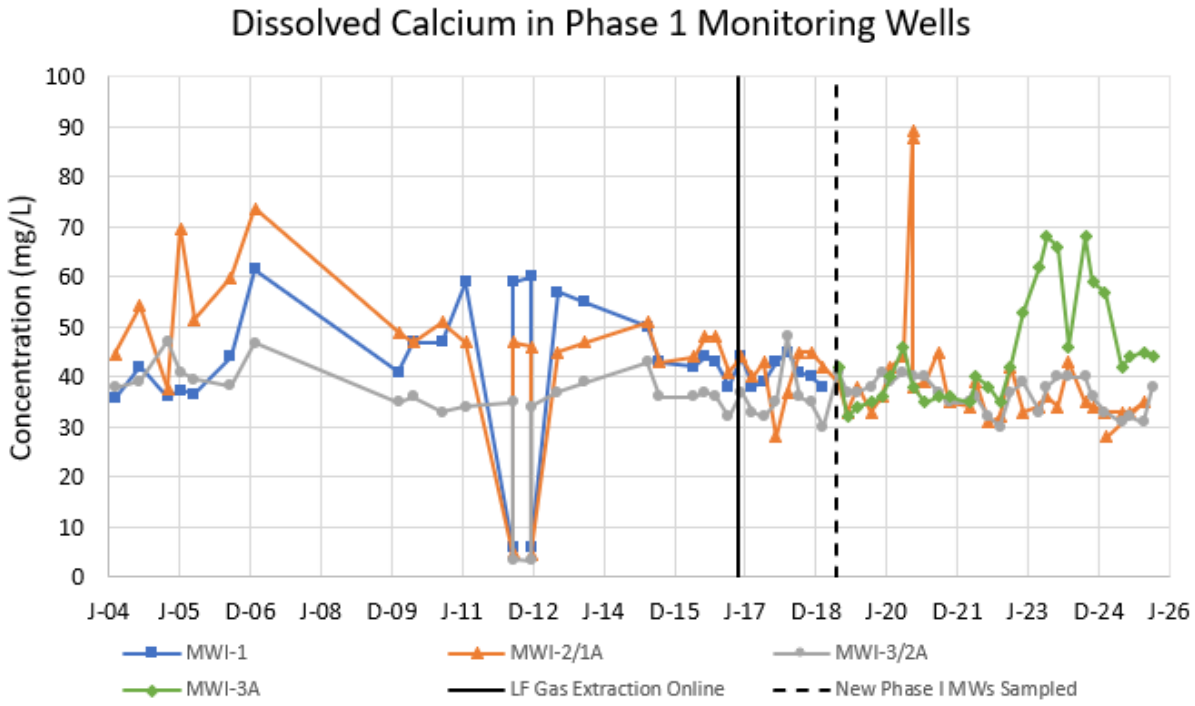
APPENDIX B
Historical Analytical Data for Phase 1 Groundwater Monitoring Wells

Geosyntec consultants

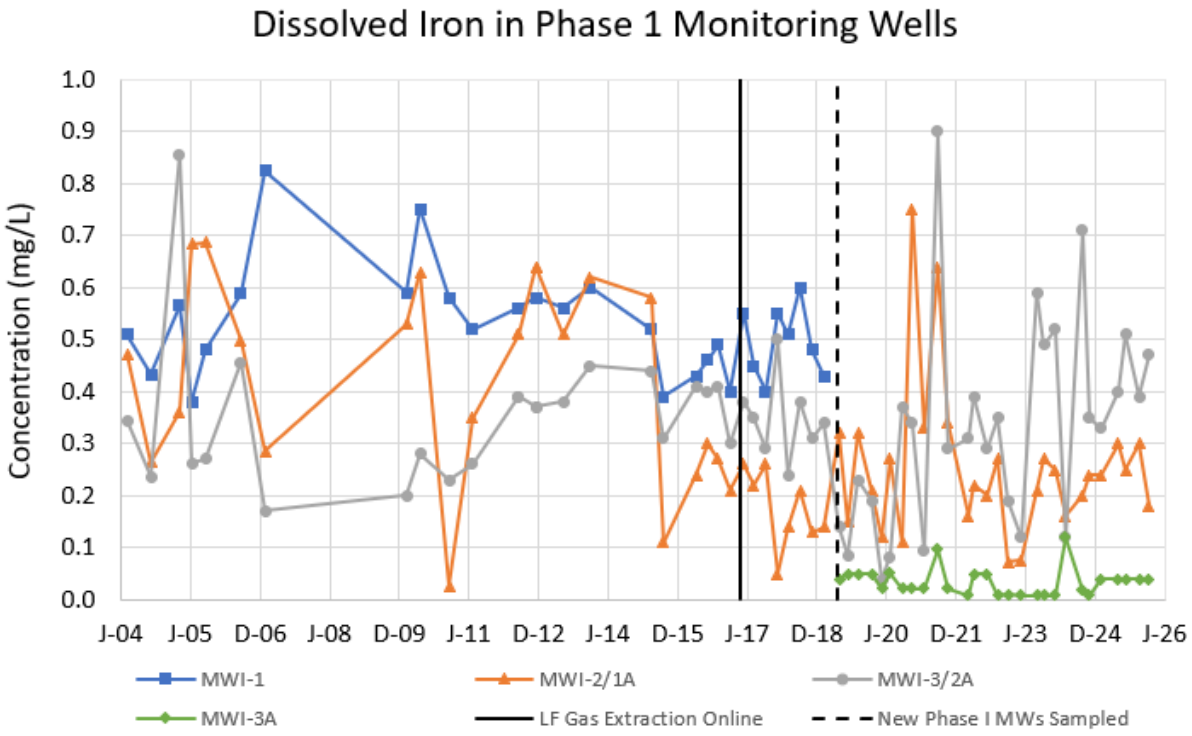
Historical Analytical Data for Phase 1 Groundwater Monitoring Wells

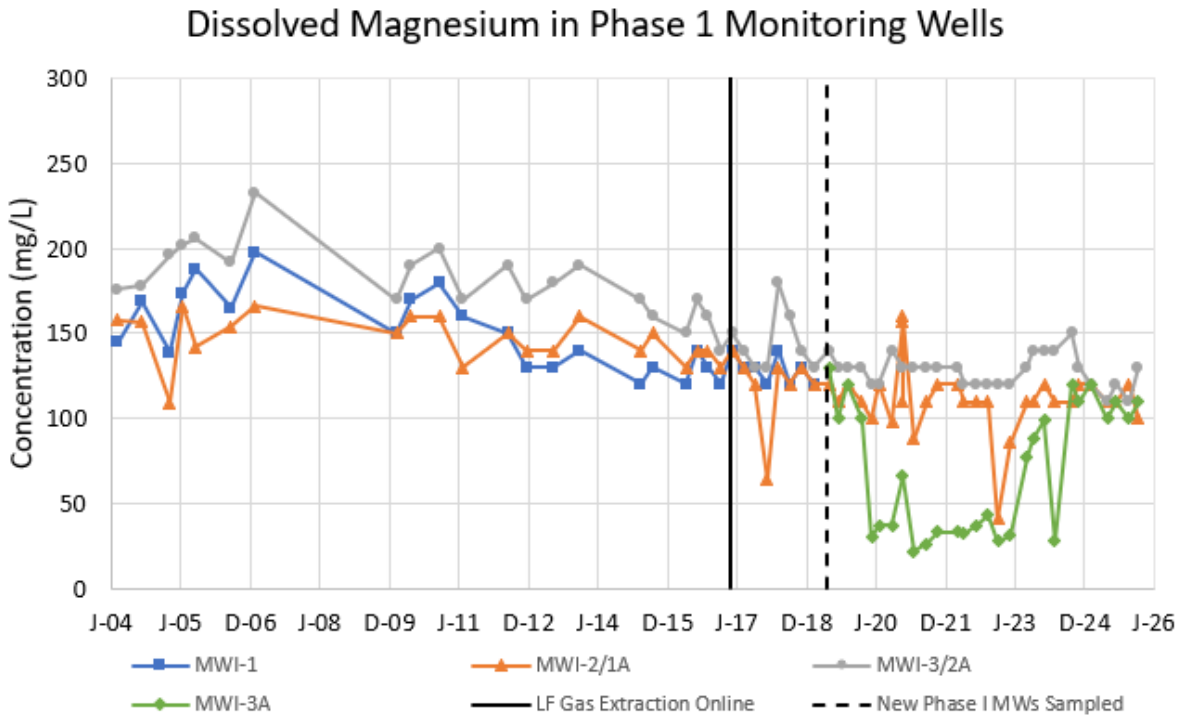
Time Series Graphs of Selected Analytes





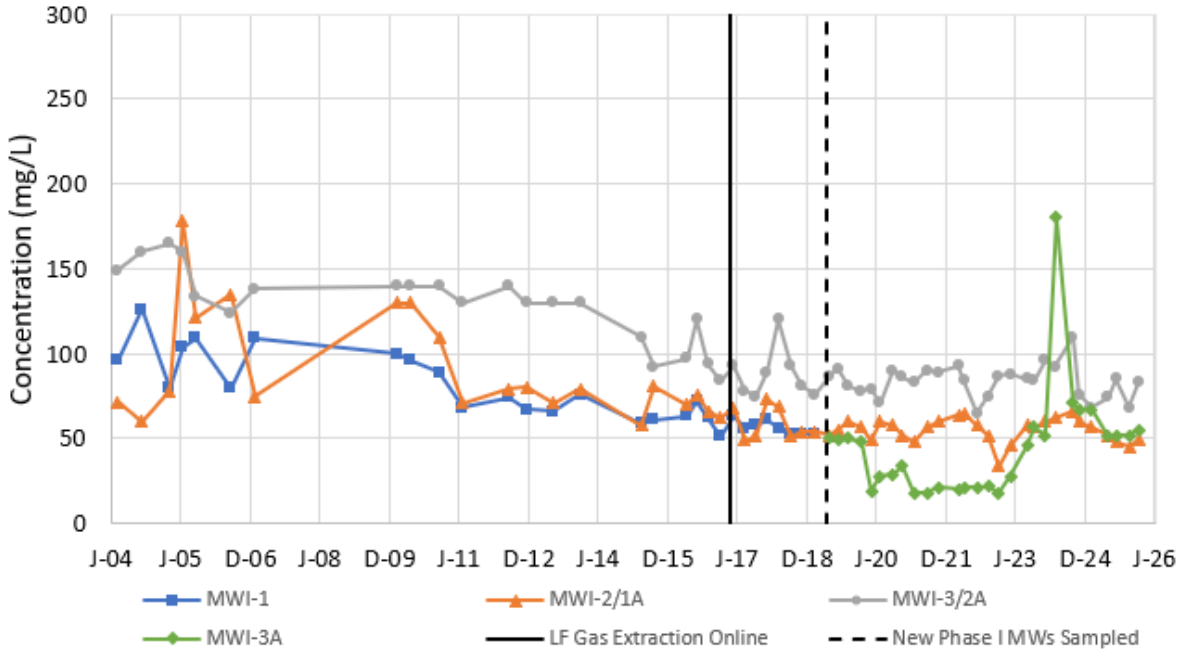
Geosyntec consultants



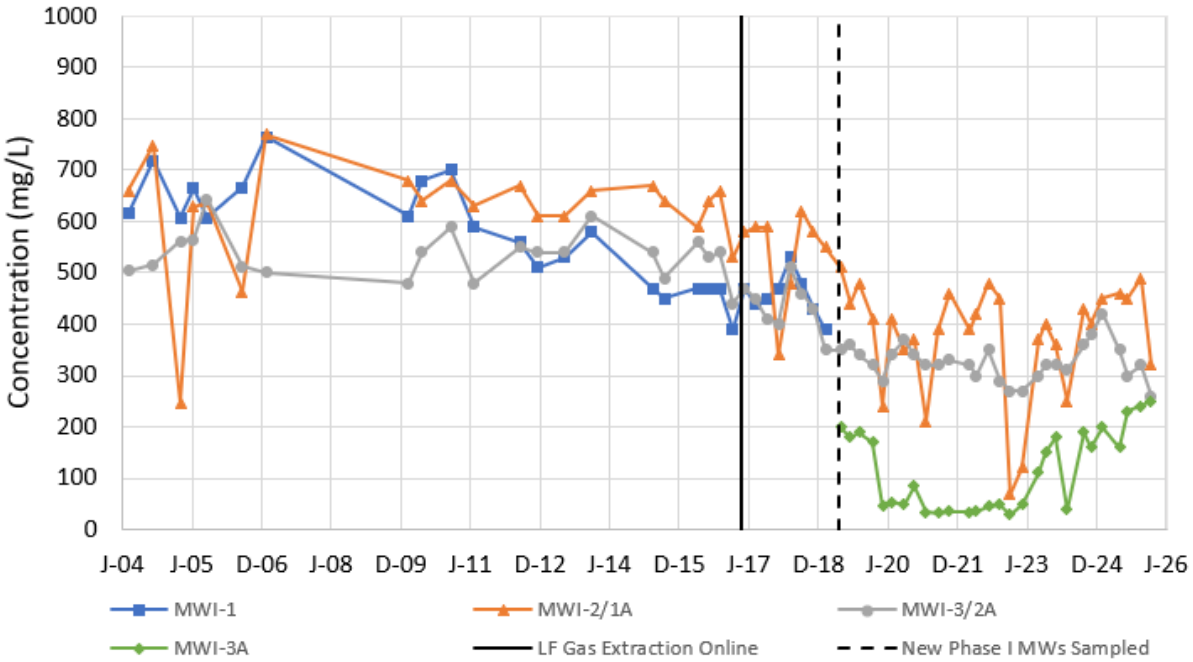


Geosyntec consultants

Dissolved Potassium in Phase 1 Monitoring Wells

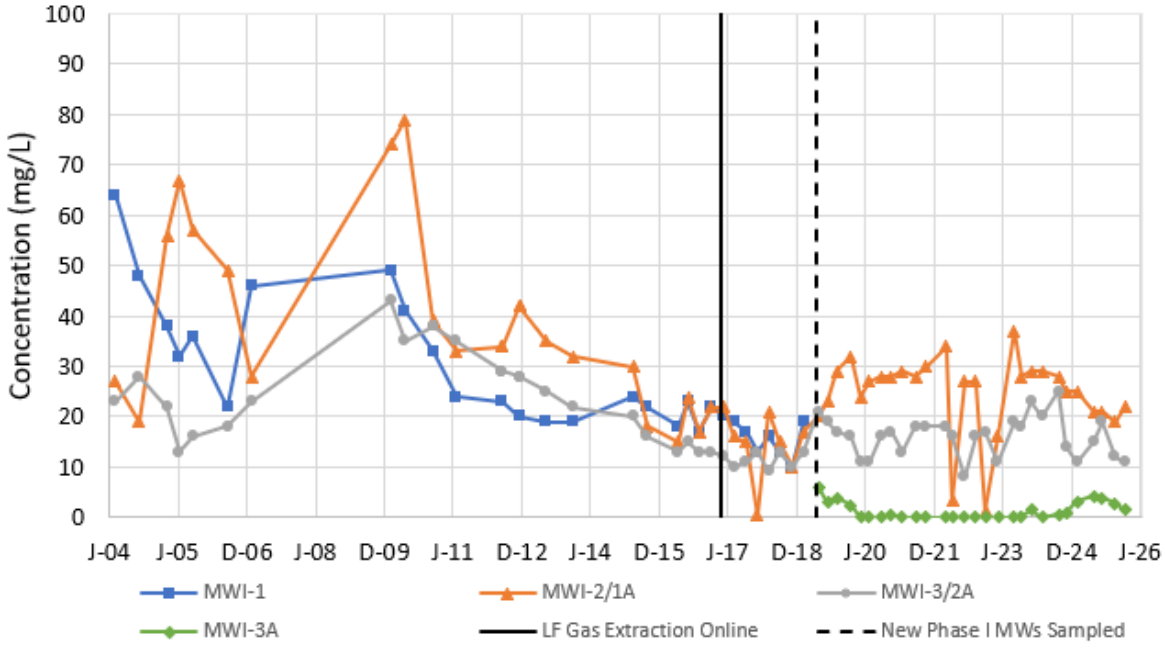


Dissolved Sodium in Phase 1 Monitoring Wells

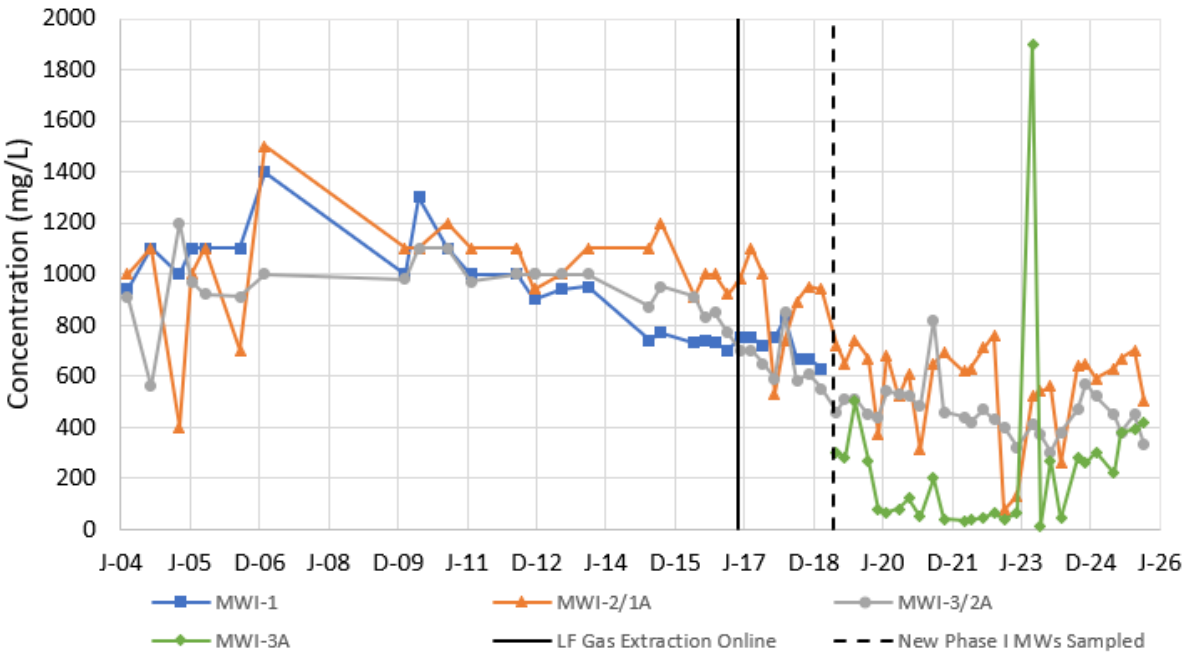


Geosyntec consultants

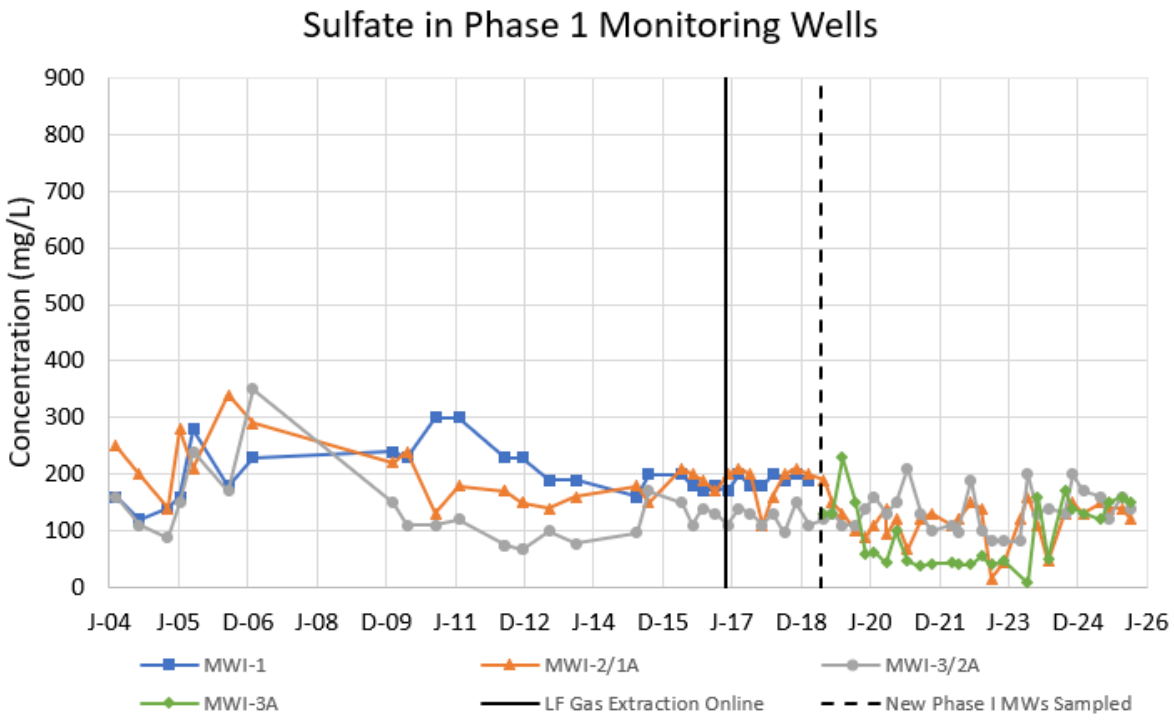
Ammonia as N in Phase 1 Monitoring Wells

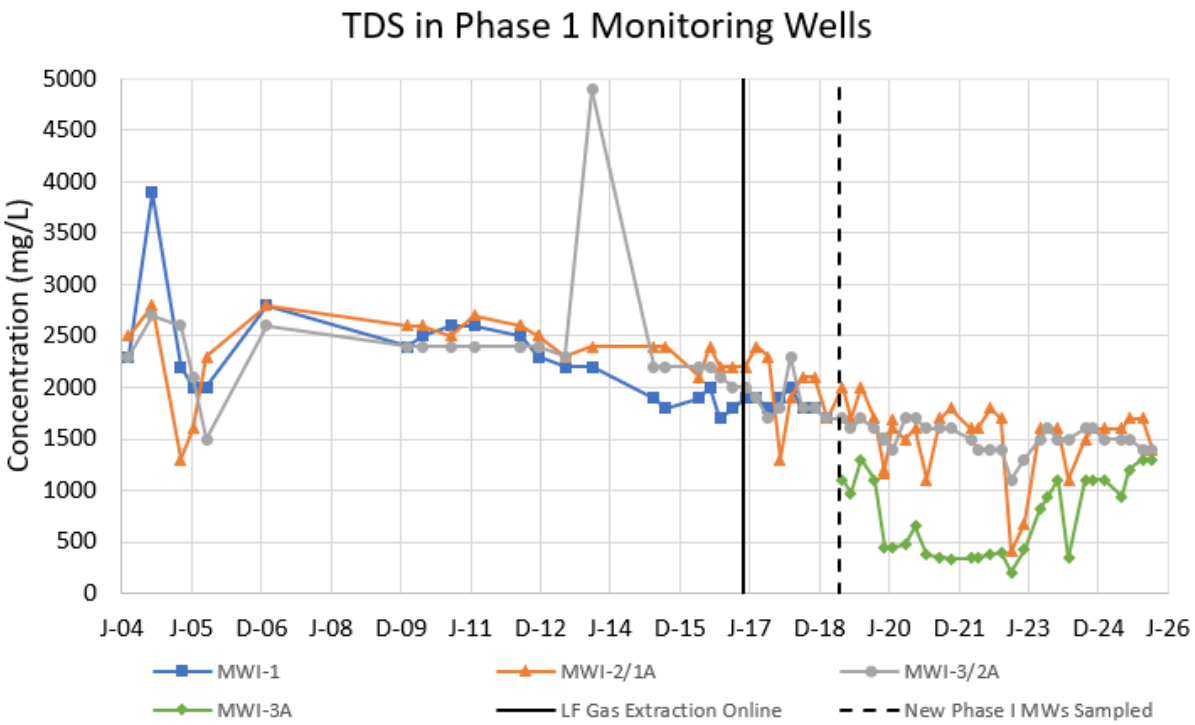


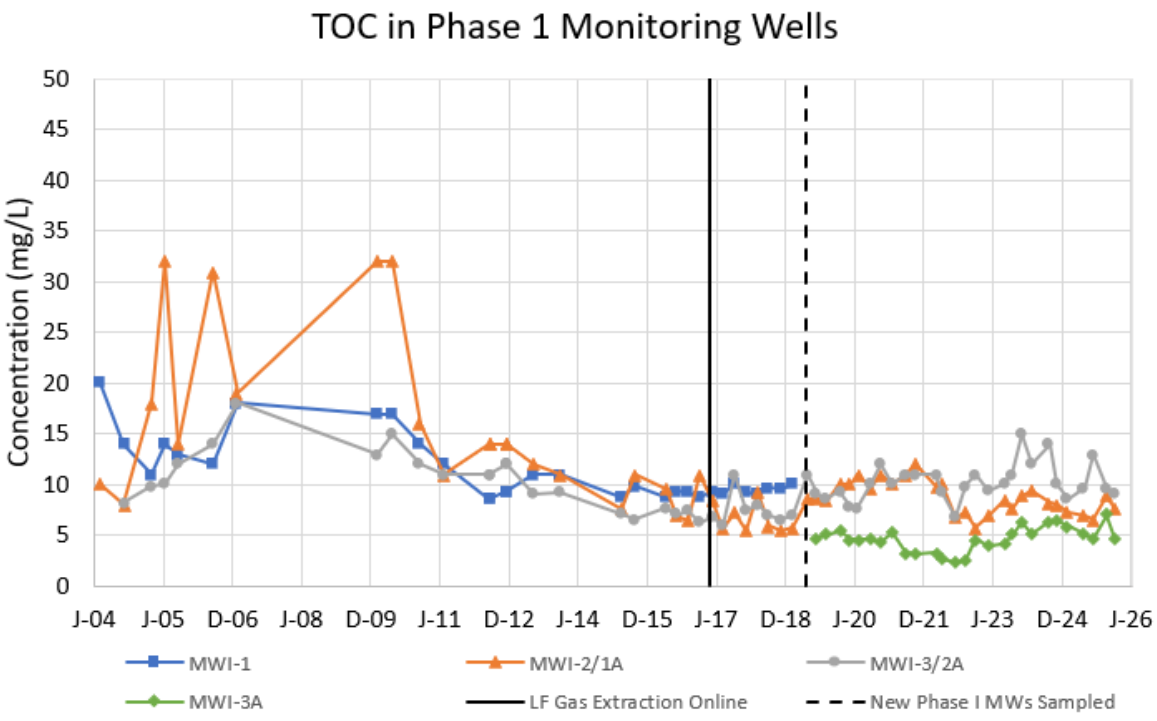
Chloride in Phase 1 Monitoring Wells



Geosyntec consultants






TOC in Phase 1 Monitoring Wells
Concentration (mg/L)
50
45
40
35
30
25
20
15
10
5
0
J-04
J-05
D-06
J-08
D-09
J-11
D-12
J-14
D-15
J-17
D-18
J-20
D-21
J-23
D-24
J-26
MWI-1
MWI-2/1A
MWI-3/2A
MWI-3A
LF Gas Extraction Online
New Phase I MWs Sampled

APPENDIX C
Eurofins TestAmerica-Denver
Laboratory Reports (on CD)

Tables
C-1. Groundwater Analytical Results Q1 2026
C-2. Leachate Analytical Results Q1 2026
C-3. Qualifiers for Groundwater and Leachate Analytical Results Q1 2026

Table C-1. Groundwater Analytical Results Q1 2026

Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

Location		MWI-1A	MWI-2A	MWI-3A	MWII-2	MWII-5	MWII-5 DUP	MWII-6A	MWII-7	MWII-8	MWII-9	Background	HI EALs	HAR MCLs
Date		02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/16/2026	02/16/2026			
Analyte	Unit													
Volatile Organic Compounds (VOCs)														
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		11	
1,1,1-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		11	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		200	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		110	
1,1-Dichloroethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		47	
1,1-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		25	
1,1-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
1,2,3-Trichlorobenzene	ug/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 UJ	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U			
1,2,3-Trichloropropane	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		14	
1,2,4-Trichlorobenzene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		110	
1,2-Dibromo-3-chloropropane	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ		0.04	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		19	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		14	
1,2-Dichloroethane (EDC)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		180	
1,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		100	
1,3,5-Trinitrobenzene	ug/L	50 U	50 U	49 U	52 U	47 U	50 U	46 U	50 U	52 U	47 U		10	
1,3-Dichlorobenzene	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		22	
1,3-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		0.06	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		9.4	
1,4-Naphthoquinone	ug/L	30 U	30 U	30 U	31 U	28 U	30 U	28 U	30 U	31 U	28 U			
1-Naphthylamine	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
2,2-Dichloropropane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
2-Acetylaminofluorene	ug/L	50 U	50 U	49 U	52 U	47 U	50 U	46 U	50 U	52 U	47 U			
2-Butanone	ug/L	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ		14,000	
2-Hexanone	ug/L	5.0 U	5.0 U	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-Naphthylamine	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
3-Methylcholanthrene	ug/L	20 U	20 U	20 U	21 U	19 U	20 U	19 U	20 U	21 U	19 U			
4-(Dimethylamino)azobenzene	ug/L	20 U	20 U	20 U	21 U	19 U	20 U	19 U	20 U	21 U	19 U			
4-Biphenylamine	ug/L	30 U	30 U	30 U	31 U	28 U	30 U	28 U	30 U	31 U	28 U			
4-Methyl-2-pentanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		170	
5-Nitro-o-toluidine	ug/L	20 U	20 U	20 U	21 U	19 U	20 U	19 U	20 U	21 U	19 U			
7,12-Dimethylbenz(a)anthracene	ug/L	20 U	20 U	20 U	21 U	19 U	20 U	19 U	20 U	21 U	19 U			
Acetone	ug/L	15 UJ	15 UJ	15 UJ	15 UJ	15 U	15 UJ	15 UJ	15 UJ	15 UJ	15 UJ		1,500	
Acetonitrile	ug/L	30 UJ	30 UJ	30 UJ	30 UJ	30 UJ	30 UJ	30 UJ	30 UJ	30 UJ	30 UJ			
Acrolein	ug/L	20 UJ	20 UJ	20 UJ	20 UJ	20 U	20 UJ	20 UJ	20 UJ	20 UJ	20 UJ			
Acrylonitrile	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U			
Allyl Chloride	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ			
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
Bromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
Bromodichloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		110	
Bromoform	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		230	
Bromomethane	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ		16	
Carbon Disulfide	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U			

Table C-1. Groundwater Analytical Results Q1 2026

Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

Location		MWI-1A	MWI-2A	MWI-3A	MWII-2	MWII-5	MWII-5 DUP	MWII-6A	MWII-7	MWII-8	MWII-9	Background	HI EALs	HAR MCLs
Date		02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/16/2026	02/16/2026			
Analyte	Unit													
Carbon Tetrachloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		9.8	
Chlorobenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		25	
Chlorobenzilate	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Chloroethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		160	
Chloroform	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		28	
Chloromethane	ug/L	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ		1,100	
Chloroprene	ug/L	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ			
cis-1,2-Dichloroethene (cDCE)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		620	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		0.06	
Dibromochloromethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		34	
Dibromomethane	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
Dichlorodifluoromethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U			
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
Ethyl Methacrylate	ug/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U			
Ethyl methanesulfonate	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Famphur	ug/L	50 U	50 U	49 U	52 U	47 U	50 U	46 U	50 U	52 U	47 U			
Hexachlorobutadiene	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		0.3	
Isobutyl alcohol	ug/L	150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U			
Isodrin	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Methacrylonitrile	ug/L	15 UJ	15 UJ	15 UJ	15 UJ	15 UJ	15 UJ	15 UJ	15 UJ	15 UJ	15 UJ			
Methyl Methacrylate	ug/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U			
Methyl methanesulfonate	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Methylene Chloride	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		1,500	
Methyliodide	ug/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ			
N,N-Diphenylamine	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
N-Nitrosopiperidine	ug/L	20 U	20 U	20 U	21 U	19 U	20 U	19 U	20 U	21 U	19 U			
Pentachlorobenzene	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Phenacetin	ug/L	20 U	20 U	20 U	21 U	19 U	20 U	19 U	20 U	21 U	19 U			
Propionitrile	ug/L	20 U	20 U	20 U	20 U	20 UJ	20 U	20 U	20 U	20 U	20 U			
Quintozene	ug/L	50 U	50 U	49 U	52 U	47 U	50 U	46 U	50 U	52 U	47 U			
Styrene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		32	
Tetrachloroethene (PCE)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		53	
Thionazin	ug/L	30 U	30 U	30 U	31 U	28 U	30 U	28 U	30 U	31 U	28 U			
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
Total Xylenes	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		560	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		0.06	
trans-1,4-Dichloro-2-Butene	ug/L	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ			
Trichloroethene (TCE)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		47	
Trichlorofluoromethane	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U			
Triethyl thiophosphate	ug/L	30 U	30 U	30 U	31 U	28 U	30 U	28 U	30 U	31 U	28 U			
Vinyl Acetate	ug/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U			
Vinyl Chloride	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		18	
All VOCs analyzed	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-

Table C-1. Groundwater Analytical Results Q1 2026

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Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

Location		MWI-1A	MWI-2A	MWI-3A	MWII-2	MWII-5	MWII-5 DUP	MWII-6A	MWII-7	MWII-8	MWII-9	Background	HI EALs	HAR MCLs
Date		02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/16/2026	02/16/2026			
Analyte	Unit													
Semi-Volatile Organic Compounds (SVOCs)														
1,2,4,5-Tetrachlorobenzene	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
1,3-Dinitrobenzene	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		10	
2,3,4,6-Tetrachlorophenol	ug/L	30 U	30 U	30 U	31 U	28 U	30 U	28 U	30 U	31 U	28 U		1.2	
2,4,5-Trichlorophenol	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		1.9	
2,4,6-Trichlorophenol	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		4.9	
2,4-Dichlorophenol	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		3	
2,4-Dimethylphenol	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		120	
2,4-Dinitrophenol	ug/L	30 U	30 U	30 U	31 U	28 U	30 U	28 U	30 U	31 U	28 U		14	
2,4-Dinitrotoluene	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		9.1	
2,6-Dichlorophenol	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		81	
2,6-Dinitrotoluene	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		81	
2-Chloronaphthalene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U			
2-Chlorophenol	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		1.8	
2-Methylnaphthalene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		4.7	
2-Methylphenol	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
2-Nitroaniline	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
2-Nitrophenol	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
3,3'-Dichlorobenzidine	ug/L	30 U	30 U	30 U	31 U	28 U	30 U	28 U	30 U	31 U	28 U		4.5	
3-Nitroaniline	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
4,6-Dinitro-2-methylphenol	ug/L	50 U	50 U	49 U	52 U	47 U	50 U	46 U	50 U	52 U	47 U			
4-Bromophenyl phenyl ether	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
4-Chloro-3-methylphenol	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
4-Chloroaniline	ug/L	20 U	20 U	20 U	21 U	19 U	20 U	19 U	20 U	21 U	19 U		19	
4-Chlorophenyl phenyl ether	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
4-Methylphenol	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
4-Nitroaniline	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
4-Nitrophenol	ug/L	25 U	25 U	25 U	26 U	23 U	25 U	23 U	25 U	26 U	24 U			
Acenaphthene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		15	
Acenaphthylene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		13	
Acetophenone	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Anthracene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		0.02	
Benz(a)anthracene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		0.027	
Benzo(a)pyrene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		0.06	
Benzo(b)fluoranthene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		0.68	
Benzo(g,h,i)perylene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		0.13	
Benzo(k)fluoranthene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		0.4	
Benzyl alcohol	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Benzyl butyl phthalate	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U			
Bis(2-chloro-1-methylethyl) ether	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		0.36	
Bis(2-chloroethoxy)methane	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Bis(2-chloroethyl) ether	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		180	
Bis(2-ethylhexyl) phthalate	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		3	
Chrysene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		1	

Table C-1. Groundwater Analytical Results Q1 2026

Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

Location		MWI-1A	MWI-2A	MWI-3A	MWII-2	MWII-5	MWII-5 DUP	MWII-6A	MWII-7	MWII-8	MWII-9	Background	HI EALs	HAR MCLs
Date		02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/16/2026	02/16/2026			
Analyte	Unit													
Di-allate	ug/L	20 U	20 U	20 U	21 U	19 U	20 U	19 U	20 U	21 U	19 U			
Dibenzo(a,h)anthracene	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		0.8	
Dibenzofuran	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U			
Diethyl phthalate	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		210	
Dimethyl phthalate	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		1,100	
Di-n-butyl phthalate	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Di-n-octyl phthalate	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Fluoranthene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		0.8	
Fluorene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		3.9	
Hexachlorobenzene	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		0.0003	
Hexachlorocyclopentadiene	ug/L	50 U	50 U	49 U	52 U	47 U	50 U	46 U	50 U	52 U	47 U			
Hexachloroethane	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		12	
Indeno(1,2,3-cd)pyrene	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		0.095	
Isophorone	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		920	
Isosafrole	ug/L	20 U	20 U	20 U	21 U	19 U	20 U	19 U	20 U	21 U	19 U			
Metacresol	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Methapyrilene	ug/L	50 UJ	50 UJ	49 UJ	52 UJ	47 UJ	50 UJ	46 UJ	50 UJ	52 UJ	47 UJ			
N,N-Dibutylnitrosoamine	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Naphthalene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		12	
Nitrobenzene	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		380	
N-Nitrosodiethylamine	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
N-Nitrosodimethylamine	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
N-Nitroso-di-n-propylamine	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
N-Nitrosodiphenylamine	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
N-Nitrosomethylethylamine	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
N-Nitrosopyrrolidine	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Orthotolidine	ug/L	30 U	30 U	30 U	31 U	28 U	30 U	28 U	30 U	31 U	28 U			
o-Toluidine	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Pentachlorophenol	ug/L	50 U	50 U	49 U	52 U	47 U	50 U	46 U	50 U	52 U	47 U		7.9	
Perchloropropene	ug/L	50 U	50 U	49 U	52 U	47 U	50 U	46 U	50 U	52 U	47 U			
Phenanthrene	ug/L	4.0 U	4.0 U	3.9 U	4.2 U	3.8 U	4.0 U	3.7 U	4.0 U	4.2 U	3.8 U		2.3	
Phenol	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		58	
Propyzamide	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U			
Pyrene	ug/L	9.9 U	9.9 U	9.9 U	10 U	9.4 U	10 U	9.3 U	10 U	10 U	9.4 U		4.6	
Safrole	ug/L	20 U	20 U	20 U	21 U	19 U	20 U	19 U	20 U	21 U	19 U			
All SVOCs analyzed	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-

Table C-1. Groundwater Analytical Results Q1 2026

Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

Location		MWI-1A	MWI-2A	MWI-3A	MWII-2	MWII-5	MWII-5 DUP	MWII-6A	MWII-7	MWII-8	MWII-9	Background	HI EALs	HAR MCLs
Date		02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/16/2026	02/16/2026			
Analyte	Unit													
Pesticides/Herbicides														
4,4'-DDD	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U		0.011	
4,4'-DDE	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U		0.41	
4,4'-DDT	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U		0.001	
Aldrin	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U		0.00014	
Alpha-BHC	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U			
Beta-BHC	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U			
Chlordane, technical	ug/L	0.49 U	0.50 U	0.48 U	0.50 U	0.50 U	0.53 U	0.47 U	0.47 U	0.48 U	0.47 U		0.004	
Chlordecone	ug/L	2.9 UJ	3.0 UJ	2.9 UJ	3.0 UJ	3.0 UJ	3.2 UJ	2.8 UJ	2.8 UJ	2.9 UJ	2.8 UJ			
Delta-BHC	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U			
Dieldrin	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U		0.0019	
Dimethoate	ug/L	15 U	15 U	15 U	16 U	14 U	15 U	14 U	15 U	16 U	14 U			
Disulfoton	ug/L	30 U	30 U	30 U	31 U	28 U	30 U	28 U	30 U	31 U	28 U			
Endosulfan I	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U		0.0087	
Endosulfan II	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U			
Endosulfan Sulfate	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U			
Endrin	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U		0.0023	
Endrin Aldehyde	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U			
Heptachlor	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U		0.0036	
Heptachlor Epoxide	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U		0.0036	
Lindane	ug/L	0.049 U	0.050 U	0.048 U	0.050 U	0.050 U	0.053 U	0.047 U	0.047 U	0.048 U	0.047 U		0.063	
Methoxychlor	ug/L	0.098 U	0.099 U	0.095 U	0.10 U	0.10 U	0.11 U	0.095 U	0.094 U	0.095 U	0.093 U		0.03	
Parathion	ug/L	30 U	30 U	30 U	31 U	28 U	30 U	28 U	30 U	31 U	28 U			
Parathion-methyl	ug/L	30 U	30 U	30 U	31 U	28 U	30 U	28 U	30 U	31 U	28 U			
Phorate	ug/L	30 U	30 U	30 U	31 U	28 U	30 U	28 U	30 U	31 U	28 U			
Toxaphene	ug/L	2.9 U	3.0 U	2.9 U	3.0 U	3.0 U	3.2 U	2.8 U	2.8 U	2.9 U	2.8 U		0.0002	
All Pesticides/Herbicides analyzed	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
Polychlorinated Biphenyls (PCBs)														
Aroclor 1016	ug/L	0.98 U	0.99 U	0.95 U	1.0 U	1.0 U	1.1 U	0.95 U	0.94 U	0.95 U	0.93 U			
Aroclor 1221	ug/L	0.98 U	0.99 U	0.95 U	1.0 U	1.0 U	1.1 U	0.95 U	0.94 U	0.95 U	0.93 U			
Aroclor 1232	ug/L	0.98 U	0.99 U	0.95 U	1.0 U	1.0 U	1.1 U	0.95 U	0.94 U	0.95 U	0.93 U			
Aroclor 1242	ug/L	0.98 U	0.99 U	0.95 U	1.0 U	1.0 U	1.1 U	0.95 U	0.94 U	0.95 U	0.93 U			
Aroclor 1248	ug/L	0.98 U	0.99 U	0.95 U	1.0 U	1.0 U	1.1 U	0.95 U	0.94 U	0.95 U	0.93 U			
Aroclor 1254	ug/L	0.98 U	0.99 U	0.95 U	1.0 U	1.0 U	1.1 U	0.95 U	0.94 U	0.95 U	0.93 U			
Aroclor 1260	ug/L	0.98 U	0.99 U	0.95 U	1.0 U	1.0 U	1.1 U	0.95 U	0.94 U	0.95 U	0.93 U			
All PCBs analyzed	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
Total Sulfide														
Total Sulfide	mg/L	0.050 U	0.15 J	0.050 U	0.050 U	0.050 UR	0.050 U	0.050 U	0.10 U	0.050 U	0.050 U	-	-	-
Total Cyanide														
Total Cyanide	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	-	-	-
Dioxins														
2,3,7,8-TCDD	ng/L	0.0095 U	0.0096 U	0.0096 U	0.0098 U	0.010 U	0.0095 U	0.0094 U	0.0096 UJ	0.0094 U	0.0094 U	-	-	-

Table C-1. Groundwater Analytical Results Q1 2026

DRAFT

Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

Location		MWI-1A	MWI-2A	MWI-3A	MWII-2	MWII-5	MWII-5 DUP	MWII-6A	MWII-7	MWII-8	MWII-9	Background	HI EALs	HAR MCLs
Date		02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/16/2026	02/16/2026			
Analyte	Unit													
Metals														
Antimony (Dissolved)	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U		30	6
Antimony (Total)	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U		30	6
Arsenic (Dissolved)	ug/L	**8.8**	**160**	**12**	**5.7**	**12**	**12**	**3**	**5.2**	**4**	**3.7**	130	36	10
Arsenic (Total)	ug/L	**7.8**	**180**	**12**	**6**	**12**	**12**	**3**	**5**	**3.6**	**3.1**	-	-	-
Barium (Dissolved)	ug/L	2.7 J	4.9 J	**26**	4.3 J	4.2 J	3.8 J	6.2 J	**43**	7.6 J	**15**	18	220	2,000
Barium (Total)	ug/L	10 U	4.9 J	**26**	4.0 J	3.9 J	3.7 J	8.5 J	**44**	7.6 J	**14**	-	-	-
Beryllium (Dissolved)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		0.66	4
Beryllium (Total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		0.66	4
Cadmium (Dissolved)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5	3	5
Cadmium (Total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5	3	5
Calcium (Dissolved)	ug/L	**28,000**	**38,000**	**44,000**	**49,000**	**47,000**	**47,000**	**50,000**	**180,000**	**41,000**	**38,000**	500,000	-	-
Calcium (Total)	ug/L	**27,000**	**39,000**	**43,000**	**47,000**	**44,000**	**45,000**	**50,000**	**170,000**	**40,000**	**38,000**	-	-	-
Chromium (Dissolved)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		-	-
Chromium (Total)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		-	-
Cobalt (Dissolved)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		-	-
Cobalt (Total)	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		-	-
Copper (Dissolved)	ug/L	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U		-	-
Copper (Total)	ug/L	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U		-	-
Iron (Dissolved)	ug/L	**180**	**470**	100 U	43 J	47 J	100 U	100 U	**870**	100 U	100 U	950	-	-
Iron (Total)	ug/L	**180**	**540**	100 U	100 U	100 U	100 U	100 U	**1,200**	100 U	100 U	950	-	-
Lead (Dissolved)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U		-	-
Lead (Total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	3.0 J	10 U	10 U	-	-	-
Magnesium (Dissolved)	ug/L	**100,000**	**130,000**	**110,000**	**78,000**	**100,000**	**100,000**	**72,000**	**340,000**	**58,000**	**54,000**	870,000	-	-
Magnesium (Total)	ug/L	**110,000**	**130,000**	**110,000**	**79,000**	**96,000**	**91,000**	**74,000**	**320,000**	**58,000**	**55,000**	-	-	-
Manganese (Dissolved)	ug/L	2.5 J	6.7 J	8.1 J	3.2 J	5.0 J	4.9 J	**14**	**350**	**28**	**34**	-	-	-
Manganese (Total)	ug/L	2.6 J	7.1 J	8.1 J	3.6 J	5.3 J	4.7 J	**15**	**350**	**28**	**33**	-	-	-
Mercury (Dissolved)	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U		0.025	2
Mercury (Total)	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U		0.025	2
Nickel (Dissolved)	ug/L	20 U	17 J	12 J	20 U	20 U	20 U	6.6 J	20 U	20 U	5.2 J	40	5	-
Nickel (Total)	ug/L	20 U	18 J	11 J	20 U	20 U	20 U	6.6 J	20 U	20 U	20 U	-	-	-
Potassium (Dissolved)	ug/L	**49,000**	**83,000**	**55,000**	**20,000**	**11,000**	**11,000**	**18,000**	**80,000**	**7,700**	**6,000**	220,000	-	-
Potassium (Total)	ug/L	**48,000**	**86,000**	**54,000**	**20,000**	**11,000**	**11,000**	**17,000**	**76,000**	**7,700**	**6,000**	-	-	-
Selenium (Dissolved)	ug/L	20 U	20 U	7.0 J	20 U	11 J	7.8 J	6.4 J	20 U	20 U	7.4 J	15	5	50
Selenium (Total)	ug/L	20 U	20 U	20 U	20 U	10 J	6.9 J	5.7 J	20 U	20 U	9.1 J	-	-	-
Silicon (Dissolved)	ug/L	**11,000**	**11,000**	**9,400**	**8,900**	**13,000**	**13,000**	**7,000**	**9,900**	**6,600**	**7,200**	15,000	-	-
Silicon (Total)	ug/L	**11,000**	**12,000**	**9,100**	**8,900**	**13,000**	**12,000**	**7,200**	**10,000**	**6,600**	**7,200**		-	-
Silver (Dissolved)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	-	-
Silver (Total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	-	-
Sodium (Dissolved)	ug/L	**320,000**	**260,000**	**250,000**	**230,000**	**91,000**	**91,000**	**90,000**	**2,300,000**	**66,000**	**46,000**	7,700,000	-	-
Sodium (Total)	ug/L	**320,000**	**270,000**	**250,000**	**240,000**	**88,000**	**89,000**	**88,000**	**2,200,000**	**65,000**	**46,000**	-	-	-
Thallium (Dissolved)	ug/L	15 U	15 U	15 U	6.8 J	15 U	6.0 J	6.6 J	13 J	15 U	15 U	-	6	2
Thallium (Total)	ug/L	15 U	15 U	15 U	15 U	5.3 J	15 U	15 U	9.0 J	15 U	15 U	-	-	-

Table C-1. Groundwater Analytical Results Q1 2026

DRAFT

Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

Location		MWI-1A	MWI-2A	MWI-3A	MWII-2	MWII-5	MWII-5 DUP	MWII-6A	MWII-7	MWII-8	MWII-9	Background	HI EALs	HAR MCLs
Date		02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/15/2026	02/16/2026	02/16/2026			
Analyte	Unit													
Tin (Total)	ug/L	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U			
Vanadium (Dissolved)	ug/L	5.0 U	4.1 J	**11**	4.7 J	**5.1**	**5**	**7.8**	2.5 J	**5.9**	**7.3**	10	27	-
Vanadium (Total)	ug/L	5.0 U	**5**	**11**	4.6 J	4.7 J	4.5 J	**7.8**	2.3 J	**5.8**	**7.8**	-	-	-
Zinc (Dissolved)	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	-	-	-
Zinc (Total)	ug/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	**43**	-	-	-
All other metals analyzed	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-
Major Chemical Parameters														
Ammonia as Nitrogen (N)	mg/L	**22**	**11**	**1.5**	**0.19**	0.10 U	0.10 U	0.10 U	0.056 J	0.10 U	0.10 U	7.7	-	-
Bicarbonate Alkalinity	mg/L	**620**	**730**	**440**	**410**	**400**	**400**	**360**	**330**	**280**	**310**	553	-	-
Bromide	mg/L	**2.6**	**3**	**1.8**	**1.5**	**1.1**	**1.1**	**0.73**	**14**	**0.7**	**0.51**	-	-	-
Carbonate Alkalinity	mg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U		-	-
Chemical Oxygen Demand (COD)	mg/L	**33**	**36**	**21**	20 U	20 U	20 U	17 J	20 U	15 J	13 J	280	-	-
Chloride	mg/L	**500**	**330**	**420**	**340**	**130**	**130**	**97**	**4,300**	**130**	**52**	14,000	-	-
Nitrate Nitrite as N	mg/L	0.20 U	0.20 U	**0.85**	**2.5**	**26**	**27**	**13**	**17**	**0.36**	**0.56**	-	-	10
Sulfate	mg/L	**120**	**140**	**150**	**99**	**61**	**61**	**110**	**630**	**44**	**40**	1,800	-	-
Total Alkalinity	mg/L	**620**	**730**	**440**	**410**	**400**	**400**	**360**	**330**	**280**	**310**	549	-	-
Total Dissolved Solids	mg/L	**1,400**	**1,400**	**1,300**	**1,700**	**800**	**790**	**720**	**8,500**	**520**	**420**	23,000	-	-
Total Organic Carbon	mg/L	**7.6**	**9.1**	**4.7**	**1.6**	**2.1**	**2.1**	**3.2**	**3.1**	**1.4**	**1.7**	6.4	-	-
Field Parameters														
Dissolved Oxygen	mg/L	**5.21**	**0.37**	**0.1**	**1.58**	**1.72**	**1.72**	**1.5**	**1.77**	**0.65**	**1.01**	-	-	-
eH/ORP	mV	**-121**	**-116**	**6.6**	**133**	**133**	**133**	**1.1**	**-80**	**116**	**108**	-	-	-
Electrical Conductivity	uS/cm	**2.8**	**2.46**	**2.19**	**1.91**	**1.34**	**1.34**	**1.19**	**13.5**	**0.89**	**0.743**	-	-	-
pH	pH units	**7.23**	**7.08**	**7.31**	**7.19**	**6.86**	**6.86**	**7.43**	**7.13**	**7.55**	**7.68**	-	-	-
Temperature	deg C	**29.4**	**28.66**	**27.3**	**26.79**	**27.57**	**27.57**	**26.38**	**26.5**	**24.45**	**24.58**	-	-	-
Turbidity	NTU	**0.27**	**0.12**	**0.7**	**0.06**	**27.54**	**27.54**	**0.76**	**0.15**	**0.78**	**0.44**	-	-	-

Notes:

1. "MWI-X" represents groundwater monitoring well
2. Wells MWI-1, MWI-2, and MWI-3 were decommissioned and replaced with MWI-1A, MWI-2A, and MWI-3A in May 2019
3. Background limits from AECOM
4. HAR Chapter 11-20 maximum contaminant levels established for drinking water. In absence of state MCLs, the National Primary Drinking Water Regulations is used instead.
5. HI EAL = Hawai'i Environmental Action Levels obtained from Table D-1c (2024).
6. **Bold** - Bold text indicates the concentration above the RL
7. Blue highlighted cells indicate that the value has exceeded background limits (only applies to MWI-1A, MWI-2A, and MWI-3A).
8. Red text indicates an exceedance of either the MCLs or EALs.
9. Dissolved concentration exceeding the total concentration is likely due to a range of error for analysis

Abbreviations:

B = compound was found in the blank and corresponding sample
H = Sample analysis was completed outside of prescribed hold times
mV = millivolts
^+ = Continuing Calibration Verification (CCV) is outside acceptance limits, high biased
^2 = Calibration blank is outside acceptance limits
EAL = Environmental Action Level
°C = degrees Celsius
°F = degrees Fahrenheit
J = Result is estimated.
R = Result rejected due to holding time exceedance or low QC spike recovery.
RL = Laboratory Reporting Limit
MCL = Maximum Contaminant Level
ND = not detected above RL
U = not detected below the reporting limit shown
mg/L = milligrams per liter
ug/L = micrograms per liter
ng/L = nanograms per liter
µg/L = micrograms per liter
µS/cm = microSiemens per centimeter
EAL = Environmental Action Level
eH/ORP = redox potential/oxidation reduction potential
F1 = MS and/or MSD recovery exceeds control limits
J = Result value is estimated
ND = not detected above the method detection limit
NTU = nephelometric turbidity unit
R = Result rejected due to holding time exceedance or low QC spike recovery.
SU = standard unit

Table C-2. Leachate Analytical Results Q1 2026

DRAFT

Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai‘i

Location		SUMP 2A	SUMP 2A DUP	SUMP 2B	WET WELL 1	WET WELL 2	WET WELL 3
Date		02/12/2026	02/12/2026	02/12/2026	02/12/2026	02/12/2026	02/12/2026
Analyte	Unit						
Volatile Organic Compounds (VOCs)							
1,1,1,2-Tetrachloroethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,1,1-Trichloroethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,1,2-Trichloroethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,1-Dichloroethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,1-Dichloroethene	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,1-Dichloropropene	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,2,3-Trichloropropane	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
1,2,4-Trichlorobenzene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
1,2-Dibromo-3-chloropropane	ug/L	25 U	25 U	25 UR	50 UR	25 UR	25 UR
1,2-Dibromoethane (EDB)	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,2-Dichlorobenzene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
1,2-Dichloroethane (EDC)	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,2-Dichloropropane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,3,5-Trinitrobenzene	ug/L	49 U	49 U	49 U	250 U	47 U	47 U
1,3-Dichlorobenzene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
1,3-Dichloropropane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
1,4-Dichlorobenzene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
1,4-Naphthoquinone	ug/L	30 U	29 U	29 U	150 U	28 U	28 U
1-Naphthylamine	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
2,2-Dichloropropane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
2-Acetylaminofluorene	ug/L	49 U	49 U	49 U	250 U	47 U	47 U
2-Butanone	ug/L	50 U	50 U	50 UR	**3700 J**	50 UR	50 UR
2-Hexanone	ug/L	25 U	25 U	25 UR	50 UR	25 UR	25 UR
2-Naphthylamine	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
3-Methylcholanthrene	ug/L	20 U	20 U	20 U	100 U	19 U	19 U
4-(Dimethylamino)azobenzene	ug/L	20 U	20 U	20 U	100 U	19 U	19 U
4-Biphenylamine	ug/L	30 U	29 U	29 U	150 U	28 U	28 U
4-Methyl-2-pentanone	ug/L	25 U	25 U	25 UR	**71 J**	25 UR	**15 J**
5-Nitro-o-toluidine	ug/L	20 U	20 U	20 U	100 U	19 U	19 U
7,12-Dimethylbenz(a)anthracene	ug/L	20 U	20 U	20 U	100 U	19 U	19 U
Acetone	ug/L	75 UJ	75 UJ	**32 J**	**5000 J**	75 UR	75 UR
Acetonitrile	ug/L	150 U	150 U	150 UR	300 UR	150 UR	150 UR
Acrolein	ug/L	100 U	100 U	100 UR	200 UR	100 UR	100 UR
Acrylonitrile	ug/L	100 U	100 U	100 UR	200 UR	100 UR	100 UR
Allyl Chloride	ug/L	10 UJ	10 UJ	10 UR	20 UR	10 UR	10 UR
Benzene	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Bromochloromethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Bromodichloromethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Bromoform	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Bromomethane	ug/L	25 U	25 U	25 UR	50 UR	25 UR	25 UR
Carbon Disulfide	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Carbon Tetrachloride	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Chlorobenzene	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Chlorobenzilate	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Chloroethane	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Chloroform	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Chloromethane	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Chloroprene	ug/L	15 U	15 U	15 UR	30 UR	15 UR	15 UR
cis-1,2-Dichloroethene (cDCE)	ug/L	5.0 U	5.0 U	**1.6 J**	10 UR	5.0 UR	5.0 UR
Dibromochloromethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Dibromomethane	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Dichlorodifluoromethane	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Ethyl Methacrylate	ug/L	15 U	15 U	15 UR	30 UR	15 UR	15 UR
Ethyl methanesulfonate	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Ethylbenzene	ug/L	5.0 U	5.0 U	5.0 UR	**7.9 J**	5.0 UR	**4.5 J**
Famphur	ug/L	49 UJ	49 UJ	49 UJ	250 UJ	47 UJ	47 UJ
Hexachlorobutadiene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Isobutyl alcohol	ug/L	750 U	750 U	750 UR	1500 UR	750 UR	750 UR
Isodrin	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Methacrylonitrile	ug/L	75 U	75 U	75 UR	150 UR	75 UR	75 UR
Methyl Methacrylate	ug/L	20 U	20 U	20 UR	40 UR	20 UR	20 UR
Methyl methanesulfonate	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Methylene Chloride	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Methyliodide	ug/L	25 U	25 U	25 UR	50 UR	25 UR	25 UR
N,N-Diphenylamine	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Pentachlorobenzene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Phenacetin	ug/L	20 U	20 U	20 U	100 U	19 U	19 U
Propionitrile	ug/L	100 U	100 U	100 UR	200 UR	100 UR	100 UR
Quintozene	ug/L	49 U	49 U	49 U	250 U	47 U	47 U
Tetrachloroethene (PCE)	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Thionazin	ug/L	30 U	29 U	29 U	150 U	28 U	28 U
Toluene	ug/L	5.0 U	5.0 U	5.0 UR	**15 J**	**1.3 J**	**7.0 J**
Total Xylenes	ug/L	5.0 U	5.0 U	5.0 UR	**23 J**	**4.2 J**	**13 J**
trans-1,2-Dichloroethene	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
trans-1,4-Dichloro-2-Butene	ug/L	15 U	15 U	15 UR	30 UR	15 UR	15 UR

Table C-2. Leachate Analytical Results Q1 2026

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Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

Location		SUMP 2A	SUMP 2A DUP	SUMP 2B	WET WELL 1	WET WELL 2	WET WELL 3
Date		02/12/2026	02/12/2026	02/12/2026	02/12/2026	02/12/2026	02/12/2026
Analyte	Unit						
Trichloroethene (TCE)	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Trichlorofluoromethane	ug/L	10 U	10 U	10 UR	20 UR	10 UR	10 UR
Triethyl thiophosphate	ug/L	30 U	29 U	29 U	150 U	28 U	28 U
Vinyl Acetate	ug/L	15 U	15 U	15 UR	30 UR	15 UR	15 UR
Vinyl Chloride	ug/L	5.0 U	5.0 U	5.0 UR	10 UR	5.0 UR	5.0 UR
Semi-Volatile Organic Compounds (SVOCs)							
1,2,4,5-Tetrachlorobenzene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
1,3-Dinitrobenzene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
2,3,4,6-Tetrachlorophenol	ug/L	30 U	29 U	29 U	150 U	28 U	28 U
2,4,5-Trichlorophenol	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
2,4,6-Trichlorophenol	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
2,4-Dichlorophenol	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
2,4-Dimethylphenol	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
2,4-Dinitrophenol	ug/L	30 U	29 U	29 U	150 U	28 U	28 U
2,4-Dinitrotoluene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
2,6-Dichlorophenol	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
2,6-Dinitrotoluene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
2-Chloronaphthalene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
2-Chlorophenol	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
2-Methylnaphthalene	ug/L	3.9 U	3.9 U	3.9 U	20 U	**1.1 J**	3.7 U
2-Methylphenol	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	**4.0 J**
2-Nitroaniline	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
2-Nitrophenol	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
3,3'-Dichlorobenzidine	ug/L	30 U	29 U	29 U	150 U	28 U	28 U
3-Nitroaniline	ug/L	9.9 UJ	9.8 UJ	9.8 UJ	50 UJ	9.5 UJ	9.4 UJ
4,6-Dinitro-2-methylphenol	ug/L	49 U	49 U	49 U	250 U	47 U	47 U
4-Bromophenyl phenyl ether	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
4-Chloro-3-methylphenol	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
4-Chloroaniline	ug/L	20 UJ	20 UJ	20 UJ	100 UJ	19 UJ	19 UJ
4-Chlorophenyl phenyl ether	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
4-Methylphenol	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
4-Nitroaniline	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
4-Nitrophenol	ug/L	25 UJ	25 UJ	24 UJ	130 UJ	24 UJ	23 UJ
Acenaphthene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Acenaphthylene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Acetophenone	ug/L	9.9 U	9.8 U	9.8 U	**29 J**	9.5 U	**6.8 J**
Anthracene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Benz(a)anthracene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Benzo(a)pyrene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Benzo(b)fluoranthene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Benzo(g,h,i)perylene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Benzo(k)fluoranthene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Benzyl alcohol	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Benzyl butyl phthalate	ug/L	3.9 UJ	3.9 UJ	3.9 UJ	20 UJ	3.8 UJ	3.7 UJ
Bis(2-chloro-1-methylethyl) ether	ug/L	9.9 UJ	9.8 UJ	9.8 UJ	50 UJ	9.5 UJ	9.4 UJ
Bis(2-chloroethoxy)methane	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Bis(2-chloroethyl) ether	ug/L	9.9 UJ	9.8 UJ	9.8 UJ	50 UJ	9.5 UJ	9.4 UJ
Bis(2-ethylhexyl) phthalate	ug/L	9.9 UJ	9.8 UJ	9.8 UJ	50 UJ	9.5 UJ	9.4 UJ
Chrysene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Di-allate	ug/L	20 UJ	20 UJ	20 UJ	100 UJ	19 UJ	19 UJ
Dibenzo(a,h)anthracene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Dibenzofuran	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Diethyl phthalate	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	**2.0 J**
Dimethyl phthalate	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Di-n-butyl phthalate	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Di-n-octyl phthalate	ug/L	9.9 UJ	9.8 UJ	9.8 UJ	50 UJ	9.5 UJ	9.4 UJ
Fluoranthene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Fluorene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Hexachlorobenzene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Hexachlorocyclopentadiene	ug/L	49 U	49 U	49 U	250 U	47 U	47 U
Hexachloroethane	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Indeno(1,2,3-cd)pyrene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Isophorone	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Isosafrole	ug/L	20 U	20 U	20 U	100 U	19 U	19 U
Metacresol	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Methapyrilene	ug/L	49 UR	49 UR	49 UR	250 UR	47 UR	47 UR
N,N-Dibutylnitrosoamine	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Naphthalene	ug/L	3.9 U	3.9 U	3.9 U	**6.3 J**	**6.6**	**3.5 J**
Nitrobenzene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
N-Nitrosodiethylamine	ug/L	9.9 UJ	9.8 UJ	9.8 UJ	50 UJ	9.5 UJ	9.4 UJ
N-Nitrosodimethylamine	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
N-Nitroso-di-n-propylamine	ug/L	9.9 UJ	9.8 UJ	9.8 UJ	50 UJ	9.5 UJ	9.4 UJ
N-Nitrosodiphenylamine	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
N-Nitrosomethylethylamine	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
N-Nitrosopyrrolidine	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Orthotolidine	ug/L	30 UR	29 UR	29 UR	150 UR	28 UR	28 UR

Table C-2. Leachate Analytical Results Q1 2026

Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

Location		SUMP 2A	SUMP 2A DUP	SUMP 2B	WET WELL 1	WET WELL 2	WET WELL 3
Date		02/12/2026	02/12/2026	02/12/2026	02/12/2026	02/12/2026	02/12/2026
Analyte	Unit						
o-Toluidine	ug/L	9.9 UR	9.8 UR	9.8 UR	50 UR	9.5 UR	9.4 UR
Pentachlorophenol	ug/L	49 U	49 U	49 U	250 U	47 U	47 U
Perchloropropene	ug/L	49 U	49 U	49 U	250 U	47 U	47 U
Phenanthrene	ug/L	3.9 U	3.9 U	3.9 U	20 U	3.8 U	3.7 U
Phenol	ug/L	9.9 UJ	9.8 UJ	9.8 UJ	50 UJ	9.5 UJ	9.4 UJ
Propyzamide	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Pyrene	ug/L	9.9 U	9.8 U	9.8 U	50 U	9.5 U	9.4 U
Safrole	ug/L	20 U	20 U	20 U	100 U	19 U	19 U
Pesticides/Herbicides							
2,4,5-T	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-D	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4,4'-DDD	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
4,4'-DDE	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
4,4'-DDT	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Aldrin	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Alpha-BHC	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Beta-BHC	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Chlordane, technical	ug/L	0.47 U	0.48 U	1.9 U	50 U	1.9 U	1.9 U
Chlordecone	ug/L	2.8 UJ	2.9 UJ	11 UJ	300 UJ	12 UJ	11 UJ
Delta-BHC	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Dieldrin	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Dimethoate	ug/L	15 U	15 U	15 U	75 U	14 U	14 U
Dinoseb	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Disulfoton	ug/L	30 UJ	29 UJ	29 UJ	150 UJ	28 UJ	28 UJ
Endosulfan I	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Endosulfan II	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Endosulfan Sulfate	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Endrin	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Endrin Aldehyde	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Heptachlor	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Heptachlor Epoxide	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Lindane	ug/L	0.047 U	0.048 U	0.19 U	5.0 U	0.19 U	0.19 U
Methoxychlor	ug/L	0.095 U	0.096 U	0.38 U	10 U	0.39 U	0.38 U
Parathion	ug/L	30 U	29 U	29 U	150 U	28 U	28 U
Parathion-methyl	ug/L	30 U	29 U	29 U	150 U	28 U	28 U
Phorate	ug/L	30 U	29 U	29 U	150 U	28 U	28 U
Silvex	ug/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toxaphene	ug/L	2.8 U	2.9 U	11 U	300 U	12 U	11 U
Polychlorinated Biphenyls (PCBs)							
Aroclor 1016	ug/L	0.95 U	0.96 U	0.94 U	10 U	0.97 U	0.95 U
Aroclor 1221	ug/L	0.95 U	0.96 U	0.94 U	10 U	0.97 U	0.95 U
Aroclor 1232	ug/L	0.95 U	0.96 U	0.94 U	10 U	0.97 U	0.95 U
Aroclor 1242	ug/L	0.95 U	0.96 U	0.94 U	10 U	0.97 U	0.95 U
Aroclor 1248	ug/L	0.95 U	0.96 U	0.94 U	10 U	0.97 U	0.95 U
Aroclor 1254	ug/L	0.95 U	0.96 U	0.94 U	10 U	0.97 U	0.95 U
Aroclor 1260	ug/L	0.95 U	0.96 U	0.94 U	10 U	0.97 U	0.95 U
Total Sulfide							
Total Sulfide	mg/L	0.10 U	**0.11**	0.10 U	0.25 U	**1.1**	**0.68**
Total Cyanide							
Total Cyanide	mg/L	**0.014**	**0.019**	**0.0051 J**	**0.030**	**0.012**	**0.013**
Dioxins							
2,3,7,8-TCDD	ng/L	0.0095 UJ	0.0097 UJ	0.0097 UJ	0.0097 UJ	0.0096 UJ	--

Table C-2. Leachate Analytical Results Q1 2026

Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

Location		SUMP 2A	SUMP 2A DUP	SUMP 2B	WET WELL 1	WET WELL 2	WET WELL 3
Date		02/12/2026	02/12/2026	02/12/2026	02/12/2026	02/12/2026	02/12/2026
Analyte	Unit						
Metals							
Antimony (Total)	ug/L	20 U	20 U	20 U	**85**	**52**	**86**
Arsenic (Total)	ug/L	**8.1**	**6.1**	**1.9 J**	**300**	**170**	**280**
Barium (Total)	ug/L	**150**	**130**	**82**	**140**	**140**	**130**
Beryllium (Total)	ug/L	1.0 U	1.0 U	1.0 U	**0.39 J**	1.0 U	1.0 U
Cadmium (Total)	ug/L	**0.26 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Calcium (Total)	ug/L	**83000**	**85000**	**23000**	**130000**	**73000**	**78000**
Chromium (Total)	ug/L	**2.8 J**	**2.8 J**	**3.0 J**	**120**	**8.4**	**29**
Cobalt (Total)	ug/L	**14**	**45**	**1.6 J**	**33**	**26**	**22**
Copper (Total)	ug/L	**45**	**47**	**13 J**	**70**	**14 J**	**23**
Iron (Total)	ug/L	100 U	100 U	**680**	**36000**	**2400**	**7300**
Lead (Total)	ug/L	10 U	10 U	10 U	**11 J**	10 U	10 U
Magnesium (Total)	ug/L	**660000**	**650000**	**360000**	**190000**	**380000**	**480000**
Manganese (Total)	ug/L	**250**	**260**	**85**	**970**	**260**	**360**
Mercury (Total)	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel (Total)	ug/L	**250**	**260**	**28**	**120**	**150**	**190**
Potassium (Total)	ug/L	**69000**	**69000**	**34000**	**100000**	**150000**	**55000**
Selenium (Total)	ug/L	20 U	**8.6 J**	20 U	20 U	20 U	20 U
Silicon (Total)	ug/L	**33000**	**34000**	**64000**	**36000**	**30000**	**28000**
Silver (Total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Sodium (Total)	ug/L	**500000**	**500000**	**280000**	**460000**	**610000**	**380000**
Thallium (Total)	ug/L	**7.5 J**	**7.1 J**	15 U	15 U	**5.9 J**	**5.5 J**
Tin (Total)	ug/L	15 U	15 U	15 U	15 U	15 U	15 U
Vanadium (Total)	ug/L	**21**	**15**	**3.2 J**	**83**	**13**	**13**
Zinc (Total)	ug/L	**43**	**48**	**18 J**	**250**	**71**	**27**
Major Chemical Parameters							
Ammonia as Nitrogen (N)	mg/L	**7.0 J**	**4.6**	**10**	**310**	**290**	**250**
Bicarbonate Alkalinity	mg/L	**1100**	**1100**	**1500**	**1400**	**2000**	**1600**
Bromide	mg/L	**6.2 J**	**6.2 J**	**5.7 J**	**10**	**13**	**4.2**
Carbonate Alkalinity	mg/L	10 U	10 U	10 U	10 U	10 U	10 U
Chemical Oxygen Demand (COD)	mg/L	**170**	**150**	**200**	**370**	**360**	**170**
Chloride	mg/L	**810**	**810**	**470**	**970**	**1100**	**580**
Nitrate Nitrite as N	mg/L	**100**	**110**	<0.20	**2.8**	**38**	**76**
Sulfate	mg/L	**1200**	**1200**	**2.0 J**	**630**	**440**	**760**
Total Alkalinity	mg/L	**1100**	**1100**	**1500**	**1400**	**2000**	**1600**
Total Dissolved Solids	mg/L	**4200**	**4300**	**2000**	**3200**	**3800**	**3100**
Total Organic Carbon	mg/L	**56**	**54**	**63**	**110**	**110**	**51**

Notes:

1. **Bold** - Bold text indicates the detected concentration exceeds reporting limit (RL).

Abbreviations:

J = Result is estimated

R = Result rejected due to holding time exceedance or low QC spike recovery

MCL = Maximum Contaminant Level

ND = not detected

U = not detected below the reporting limit shown

mg/L = milligrams per liter

ug/L = micrograms per liter

ng/L = nanograms per liter

Table C-3. Qualifiers for Groundwater and Leachate Analytical Resuts Q1 2026

Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

Sample ID	Analyte	Fraction	Lab Flag	Lab Note	Result	Final Qual	Final Qualifier Reason
MWI-1A-021526	Barium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	2.7	J	Detected between the MDL and RL.
MWI-1A-021526	Manganese	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	2.5	J	Detected between the MDL and RL.
MWI-1A-021526	Manganese	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	2.6	J	Detected between the MDL and RL.
MWI-1A-021526	1,2-Dibromo-3-chloropropane	T			5.0	UJ	CCV recovery low.
MWI-1A-021526	2-Butanone	T			10	UJ	CCV recovery low.
MWI-1A-021526	Acetone	T			15	UJ	CCV recovery low.
MWI-1A-021526	Acetonitrile	T			30	UJ	CCV reocvery low.
MWI-1A-021526	Acrolein	T			20	UJ	CCV reocvery low.
MWI-1A-021526	Allyl Chloride	T			2.0	UJ	CCV recovery low.
MWI-1A-021526	Bromomethane	T			5.0	UJ	CCV recovery low.
MWI-1A-021526	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	2.9	UJ	ICV and CCV recovery outside control limits.
MWI-1A-021526	Chloromethane	T			2.0	UJ	CCV recovery low.
MWI-1A-021526	Chloroprene	T			3.0	UJ	CCV recovery low.
MWI-1A-021526	Methacrylonitrile	T			15	UJ	CCV recovery low.
MWI-1A-021526	Methapyrilene	T			50	UJ	CCV recovery low.
MWI-1A-021526	Methyliodide	T			5.0	UJ	CCV recovery low.
MWI-1A-021526	trans-1,4-Dichloro-2-Butene	T			3.0	UJ	CCV recovery low.
MWI-2A-021526	Barium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.9	J	Detected between the MDL and RL.
MWI-2A-021526	Barium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.9	J	Detected between the MDL and RL.
MWI-2A-021526	Manganese	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.7	J	Detected between the MDL and RL.
MWI-2A-021526	Manganese	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	7.1	J	Detected between the MDL and RL.
MWI-2A-021526	Nickel	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	17	J	Detected between the MDL and RL.
MWI-2A-021526	Nickel	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	18	J	Detected between the MDL and RL.
MWI-2A-021526	Sulfide	T	F1	F1-MS and/or MSD recovery exceeds control limits.; F1-MS and/or MSD recovery exceeds control limits.	0.15	J	Zero percent recovery from both MS and MSD.
MWI-2A-021526	Vanadium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.1	J	Detected between the MDL and RL.
MWI-2A-021526	1,2-Dibromo-3-chloropropane	T			5.0	UJ	CCV recovery low.
MWI-2A-021526	2-Butanone	T			10	UJ	CCV recovery low.
MWI-2A-021526	Acetone	T			15	UJ	CCV recovery low.
MWI-2A-021526	Acetonitrile	T			30	UJ	CCV reocvery low.
MWI-2A-021526	Acrolein	T			20	UJ	CCV reocvery low.
MWI-2A-021526	Allyl Chloride	T			2.0	UJ	CCV recovery low.
MWI-2A-021526	Bromomethane	T			5.0	UJ	CCV recovery low.
MWI-2A-021526	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	3.0	UJ	ICV recovery outside control limits.
MWI-2A-021526	Chloromethane	T			2.0	UJ	CCV recovery low.
MWI-2A-021526	Chloroprene	T			3.0	UJ	CCV recovery low.
MWI-2A-021526	Methacrylonitrile	T			15	UJ	CCV recovery low.
MWI-2A-021526	Methapyrilene	T			50	UJ	CCV recovery low.
MWI-2A-021526	Methyliodide	T			5.0	UJ	CCV recovery low.
MWI-2A-021526	trans-1,4-Dichloro-2-Butene	T			3.0	UJ	CCV recovery low.
MWI-3A-021526	Manganese	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	8.1	J	Detected between the MDL and RL.
MWI-3A-021526	Manganese	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	8.1	J	Detected between the MDL and RL.
MWI-3A-021526	Nickel	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	12	J	Detected between the MDL and RL.
MWI-3A-021526	Nickel	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	11	J	Detected between the MDL and RL.
MWI-3A-021526	Selenium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	7.0	J	Detected between the MDL and RL.
MWI-3A-021526	1,2-Dibromo-3-chloropropane	T			5.0	UJ	CCV recovery low.
MWI-3A-021526	2-Butanone	T			10	UJ	CCV recovery low.
MWI-3A-021526	Acetone	T			15	UJ	CCV recovery low.
MWI-3A-021526	Acetonitrile	T			30	UJ	CCV reocvery low.
MWI-3A-021526	Acrolein	T			20	UJ	CCV reocvery low.
MWI-3A-021526	Allyl Chloride	T			2.0	UJ	CCV recovery low.
MWI-3A-021526	Bromomethane	T			5.0	UJ	CCV recovery low.
MWI-3A-021526	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	2.9	UJ	ICV recovery outside control limits.
MWI-3A-021526	Chloromethane	T			2.0	UJ	CCV recovery low.
MWI-3A-021526	Chloroprene	T			3.0	UJ	CCV recovery low.
MWI-3A-021526	Methacrylonitrile	T			15	UJ	CCV recovery low.

Table C-3. Qualifiers for Groundwater and Leachate Analytical Resuts Q1 2026

Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

Sample ID	Analyte	Fraction	Lab Flag	Lab Note	Result	Final Qual	Final Qualifier Reason
MWI-3A-021526	Methapyrilene	T			49	UJ	CCV recovery low.
MWI-3A-021526	Methyliodide	T			5.0	UJ	CCV recovery low.
MWI-3A-021526	trans-1,4-Dichloro-2-Butene	T			3.0	UJ	CCV recovery low.
MWII-2-021526	Barium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.3	J	Detected between the MDL and RL.
MWII-2-021526	Barium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.0	J	Detected between the MDL and RL.
MWII-2-021526	Iron	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	43	J	Detected between the MDL and RL.
MWII-2-021526	Manganese	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	3.2	J	Detected between the MDL and RL.
MWII-2-021526	Manganese	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	3.6	J	Detected between the MDL and RL.
MWII-2-021526	Thallium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.8	J	Detected between the MDL and RL.
MWII-2-021526	Vanadium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.7	J	Detected between the MDL and RL.
MWII-2-021526	Vanadium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.6	J	Detected between the MDL and RL.
MWII-2-021526	1,2-Dibromo-3-chloropropane	T			5.0	UJ	CCV recovery low.
MWII-2-021526	2-Butanone	T			10	UJ	CCV recovery low.
MWII-2-021526	Acetone	T			15	UJ	CCV recovery low.
MWII-2-021526	Acetonitrile	T			30	UJ	CCV reocvery low.
MWII-2-021526	Acrolein	T			20	UJ	CCV reocvery low.
MWII-2-021526	Allyl Chloride	T			2.0	UJ	CCV recovery low.
MWII-2-021526	Bromomethane	T			5.0	UJ	CCV recovery low.
MWII-2-021526	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	3.0	UJ	ICV and CCV recovery outside control limits.
MWII-2-021526	Chloromethane	T			2.0	UJ	CCV recovery low.
MWII-2-021526	Chloroprene	T			3.0	UJ	CCV recovery low.
MWII-2-021526	Methacrylonitrile	T			15	UJ	CCV recovery low.
MWII-2-021526	Methapyrilene	T			52	UJ	CCV recovery low.
MWII-2-021526	Methyliodide	T			5.0	UJ	CCV recovery low.
MWII-2-021526	trans-1,4-Dichloro-2-Butene	T			3.0	UJ	CCV recovery low.
MWII-5 DUP-021526	Barium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	3.8	J	Detected between the MDL and RL.
MWII-5 DUP-021526	Barium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	3.7	J	Detected between the MDL and RL.
MWII-5 DUP-021526	Manganese	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.9	J	Detected between the MDL and RL.
MWII-5 DUP-021526	Manganese	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.7	J	Detected between the MDL and RL.
MWII-5 DUP-021526	Selenium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	7.8	J	Detected between the MDL and RL.
MWII-5 DUP-021526	Selenium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.9	J	Detected between the MDL and RL.
MWII-5 DUP-021526	Thallium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.0	J	Detected between the MDL and RL.
MWII-5 DUP-021526	Vanadium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.5	J	Detected between the MDL and RL.
MWII-5 DUP-021526	1,2-Dibromo-3-chloropropane	T			5.0	UJ	CCV recovery low.
MWII-5 DUP-021526	2-Butanone	T			10	UJ	CCV recovery low.
MWII-5 DUP-021526	Acetone	T			15	UJ	CCV recovery low.
MWII-5 DUP-021526	Acetonitrile	T			30	UJ	CCV reocvery low.
MWII-5 DUP-021526	Acrolein	T			20	UJ	CCV reocvery low.
MWII-5 DUP-021526	Allyl Chloride	T			2.0	UJ	CCV recovery low.
MWII-5 DUP-021526	Bromomethane	T			5.0	UJ	CCV recovery low.
MWII-5 DUP-021526	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	3.2	UJ	ICV and CCV recovery outside control limits.
MWII-5 DUP-021526	Chloromethane	T			2.0	UJ	CCV recovery low.
MWII-5 DUP-021526	Chloroprene	T			3.0	UJ	CCV recovery low.
MWII-5 DUP-021526	Methacrylonitrile	T			15	UJ	CCV recovery low.
MWII-5 DUP-021526	Methapyrilene	T			50	UJ	CCV recovery low.
MWII-5 DUP-021526	Methyliodide	T			5.0	UJ	CCV recovery low.
MWII-5 DUP-021526	trans-1,4-Dichloro-2-Butene	T			3.0	UJ	CCV recovery low.
MWII-5-021526	Barium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.2	J	Detected between the MDL and RL.
MWII-5-021526	Barium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	3.9	J	Detected between the MDL and RL.
MWII-5-021526	Iron	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	47	J	Detected between the MDL and RL.
MWII-5-021526	Manganese	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5.0	J	Detected between the MDL and RL.
MWII-5-021526	Manganese	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5.3	J	Detected between the MDL and RL.
MWII-5-021526	Selenium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	11	J	Detected between the MDL and RL.
MWII-5-021526	Selenium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	10	J	Detected between the MDL and RL.
MWII-5-021526	Thallium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5.3	J	Detected between the MDL and RL.
MWII-5-021526	Vanadium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.7	J	Detected between the MDL and RL.
MWII-5-021526	Sulfide	T	F1	F1-MS and/or MSD recovery exceeds control limits.; F1-MS and/or MSD recovery exceeds control limits.	0.050	R	MS/MSD recovery very low (17% and 0%).

Table C-3. Qualifiers for Groundwater and Leachate Analytical Resuts Q1 2026

Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

Sample ID	Analyte	Fraction	Lab Flag	Lab Note	Result	Final Qual	Final Qualifier Reason
MWII-5-021526	1,2,3-Trichlorobenzene	T			4.0	UJ	CCV recovery outside control limits.
MWII-5-021526	Acetonitrile	T			30	UJ	CCV recovery outside control limits.
MWII-5-021526	Bromomethane	T			5.0	UJ	CCV recovery outside control limits.
MWII-5-021526	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	3.0	UJ	ICV and CCV recovery outside control limits.
MWII-5-021526	Chloroprene	T			3.0	UJ	CCV recovery outside control limits.
MWII-5-021526	Methacrylonitrile	T			15	UJ	CCV recovery outside control limits.
MWII-5-021526	Methapyrilene	T			47	UJ	CCV recovery low.
MWII-5-021526	Methyliodide	T			5.0	UJ	CCV recovery outside control limits.
MWII-5-021526	Propionitrile	T			20	UJ	CCV recovery outside control limits.
MWII-6A-021526	Barium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.2	J	Detected between the MDL and RL.
MWII-6A-021526	Barium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	8.5	J	Detected between the MDL and RL.
MWII-6A-021526	Chemical Oxygen Demand	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	17	J	Detected between the MDL and RL.
MWII-6A-021526	Nickel	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.6	J	Detected between the MDL and RL.
MWII-6A-021526	Nickel	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.6	J	Detected between the MDL and RL.
MWII-6A-021526	Selenium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.4	J	Detected between the MDL and RL.
MWII-6A-021526	Selenium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5.7	J	Detected between the MDL and RL.
MWII-6A-021526	Thallium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.6	J	Detected between the MDL and RL.
MWII-6A-021526	1,2-Dibromo-3-chloropropane	T			5.0	UJ	CCV recovery low.
MWII-6A-021526	2-Butanone	T			10	UJ	CCV recovery low.
MWII-6A-021526	Acetone	T			15	UJ	CCV recovery low.
MWII-6A-021526	Acetonitrile	T			30	UJ	CCV reocvery low.
MWII-6A-021526	Acrolein	T			20	UJ	CCV reocvery low.
MWII-6A-021526	Allyl Chloride	T			2.0	UJ	CCV recovery low.
MWII-6A-021526	Bromomethane	T			5.0	UJ	CCV recovery low.
MWII-6A-021526	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	2.8	UJ	ICV recovery outside control limits.
MWII-6A-021526	Chloromethane	T			2.0	UJ	CCV recovery low.
MWII-6A-021526	Chloroprene	T			3.0	UJ	CCV recovery low.
MWII-6A-021526	Methacrylonitrile	T			15	UJ	CCV recovery low.
MWII-6A-021526	Methapyrilene	T			46	UJ	CCV recovery low.
MWII-6A-021526	Methyliodide	T			5.0	UJ	CCV recovery low.
MWII-6A-021526	trans-1,4-Dichloro-2-Butene	T			3.0	UJ	CCV recovery low.
MWII-7-021526	Ammonia as Nitrogen	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	0.056	J	Detected between the MDL and RL.
MWII-7-021526	Lead	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	3.0	J	Detected between the MDL and RL.
MWII-7-021526	Thallium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	13	J	Detected between the MDL and RL.
MWII-7-021526	Thallium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	9.0	J	Detected between the MDL and RL.
MWII-7-021526	Tin	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.5	J	Detected between the MDL and RL.
MWII-7-021526	Vanadium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	2.5	J	Detected between the MDL and RL.
MWII-7-021526	Vanadium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	2.3	J	Detected between the MDL and RL.
MWII-7-021526	1,2-Dibromo-3-chloropropane	T			5.0	UJ	CCV recovery low.
MWII-7-021526	2,3,7,8-TCDD	T			0.0096	UJ	Isotope dilution recovery low.
MWII-7-021526	2-Butanone	T			10	UJ	CCV recovery low.
MWII-7-021526	Acetone	T			15	UJ	CCV recovery low.
MWII-7-021526	Acetonitrile	T			30	UJ	CCV reocvery low.
MWII-7-021526	Acrolein	T			20	UJ	CCV reocvery low.
MWII-7-021526	Allyl Chloride	T			2.0	UJ	CCV recovery low.
MWII-7-021526	Bromomethane	T			5.0	UJ	CCV recovery low.
MWII-7-021526	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	2.8	UJ	ICV and CCV recovery outside control limits.
MWII-7-021526	Chloromethane	T			2.0	UJ	CCV recovery low.
MWII-7-021526	Chloroprene	T			3.0	UJ	CCV recovery low.
MWII-7-021526	Methacrylonitrile	T			15	UJ	CCV recovery low.
MWII-7-021526	Methapyrilene	T			50	UJ	CCV recovery low.
MWII-7-021526	Methyliodide	T			5.0	UJ	CCV recovery low.
MWII-7-021526	trans-1,4-Dichloro-2-Butene	T			3.0	UJ	CCV recovery low.
MWII-8-021625	Barium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	7.6	J	Detected between the MDL and RL.
MWII-8-021625	Barium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	7.6	J	Detected between the MDL and RL.
MWII-8-021625	Chemical Oxygen Demand	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	15	J	Detected between the MDL and RL.

Table C-3. Qualifiers for Groundwater and Leachate Analytical Resuts Q1 2026

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Sample ID	Analyte	Fraction	Lab Flag	Lab Note	Result	Final Qual	Final Qualifier Reason
MWII-8-021625	1,2-Dibromo-3-chloropropane	T			5.0	UJ	CCV recovery low.
MWII-8-021625	2-Butanone	T			10	UJ	CCV recovery low.
MWII-8-021625	Acetone	T			15	UJ	CCV recovery low.
MWII-8-021625	Acetonitrile	T			30	UJ	CCV reocvery low.
MWII-8-021625	Acrolein	T			20	UJ	CCV reocvery low.
MWII-8-021625	Allyl Chloride	T			2.0	UJ	CCV recovery low.
MWII-8-021625	Bromomethane	T			5.0	UJ	CCV recovery low.
MWII-8-021625	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	2.9	UJ	ICV recovery outside control limits.
MWII-8-021625	Chloromethane	T			2.0	UJ	CCV recovery low.
MWII-8-021625	Chloroprene	T			3.0	UJ	CCV recovery low.
MWII-8-021625	Methacrylonitrile	T			15	UJ	CCV recovery low.
MWII-8-021625	Methapyrilene	T			52	UJ	CCV recovery low.
MWII-8-021625	Methyliodide	T			5.0	UJ	CCV recovery low.
MWII-8-021625	trans-1,4-Dichloro-2-Butene	T			3.0	UJ	CCV recovery low.
MWII-9-021625	Chemical Oxygen Demand	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	13	J	Detected between the MDL and RL.
MWII-9-021625	Nickel	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5.2	J	Detected between the MDL and RL.
MWII-9-021625	Selenium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	7.4	J	Detected between the MDL and RL.
MWII-9-021625	Selenium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	9.1	J	Detected between the MDL and RL.
MWII-9-021625	1,2-Dibromo-3-chloropropane	T			5.0	UJ	CCV recovery low.
MWII-9-021625	2-Butanone	T			10	UJ	CCV recovery low.
MWII-9-021625	Acetone	T			15	UJ	CCV recovery low.
MWII-9-021625	Acetonitrile	T			30	UJ	CCV reocvery low.
MWII-9-021625	Acrolein	T			20	UJ	CCV reocvery low.
MWII-9-021625	Allyl Chloride	T			2.0	UJ	CCV recovery low.
MWII-9-021625	Bromomethane	T			5.0	UJ	CCV recovery low.
MWII-9-021625	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	2.8	UJ	ICV recovery outside control limits.
MWII-9-021625	Chloromethane	T			2.0	UJ	CCV recovery low.
MWII-9-021625	Chloroprene	T			3.0	UJ	CCV recovery low.
MWII-9-021625	Methacrylonitrile	T			15	UJ	CCV recovery low.
MWII-9-021625	Methapyrilene	T			47	UJ	CCV recovery low.
MWII-9-021625	Methyliodide	T			5.0	UJ	CCV recovery low.
MWII-9-021625	trans-1,4-Dichloro-2-Butene	T			3.0	UJ	CCV recovery low.
SUMP2A DUP-021226	Bromide	T			6.2	J	Chromatographic interferences resulting in low bias.
SUMP2A DUP-021226	Chromium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	2.7	J	Detection between the MDL and RL.
SUMP2A DUP-021226	Chromium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	2.8	J	Detection between the MDL and RL.
SUMP2A DUP-021226	Selenium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	8.6	J	Detection between the MDL and RL.
SUMP2A DUP-021226	Thallium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5.8	J	Detection between the MDL and RL.
SUMP2A DUP-021226	Thallium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	7.1	J	Detection between the MDL and RL.
SUMP2A DUP-021226	Methapyrilene	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	49	R	Very low LCSD low recovery and high LCS/LCSD RPD. Low CCV recovery.
SUMP2A DUP-021226	Orthotolidine	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	29	R	Very low LCSD recovery and high LCS/LCS RPD.
SUMP2A DUP-021226	o-Toluidine	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	9.8	R	Very low LCSD recovery and high LCS/LCS RPD.
SUMP2A DUP-021226	2,3,7,8-TCDD	T			0.0097	UJ	Isotope dilution recovery low.
SUMP2A DUP-021226	3-Nitroaniline	T			9.8	UJ	CCV recovery low.
SUMP2A DUP-021226	4-Chloroaniline	T	*1	*1-LCS/LCSD RPD exceeds control limits.	20	UJ	LCS/LCSD RPD high.
SUMP2A DUP-021226	4-Nitrophenol	T	*1	*1-LCS/LCSD RPD exceeds control limits.	25	UJ	LCS/LCSD RPD high.
SUMP2A DUP-021226	Acetone	T			75	UJ	CCV outside control limits.
SUMP2A DUP-021226	Allyl Chloride	T			10	UJ	CCV recovery low.
SUMP2A DUP-021226	Benzyl butyl phthalate	T			3.9	UJ	CCV recovery low.
SUMP2A DUP-021226	Bis(2-chloro-1-methylethyl) ether	T			9.8	UJ	CCV recovery low.
SUMP2A DUP-021226	Bis(2-chloroethyl) ether	T			9.8	UJ	CCV recovery low.
SUMP2A DUP-021226	Bis(2-ethylhexyl) phthalate	T			9.8	UJ	CCV recovery low.
SUMP2A DUP-021226	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	2.9	UJ	ICV and CCV recoveries outside control limits.
SUMP2A DUP-021226	Di-allate	T			20	UJ	CCV recovery low.
SUMP2A DUP-021226	Di-n-octyl phthalate	T			9.8	UJ	CCV recovery low.
SUMP2A DUP-021226	Disulfoton	T			29	UJ	CCV recovery low.
SUMP2A DUP-021226	Famphur	T	*1	*1-LCS/LCSD RPD exceeds control limits.	49	UJ	LCS/LCSD RPD high.

Table C-3. Qualifiers for Groundwater and Leachate Analytical Resuts Q1 2026

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Sample ID	Analyte	Fraction	Lab Flag	Lab Note	Result	Final Qual	Final Qualifier Reason
SUMP2A DUP-021226	N-Nitrosodiethylamine	T			9.8	UJ	CCV recovery low.
SUMP2A DUP-021226	N-Nitroso-di-n-propylamine	T			9.8	UJ	CCV recovery low.
SUMP2A DUP-021226	Phenol	T	*1	*1-LCS/LCSD RPD exceeds control limits.	9.8	UJ	LCS/LCSD RPD high.
SUMP2A-021226	Ammonia as Nitrogen	T	F1	F1-MS and/or MSD recovery exceeds control limits.	7.0	J	MS recovery high.
SUMP2A-021226	Bromide	T			6.2	J	Chromatographic interferences resulting in low bias.
SUMP2A-021226	Cadmium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	0.26	J	Detection between the MDL and RL.
SUMP2A-021226	Chromium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	2.8	J	Detection between the MDL and RL.
SUMP2A-021226	Chromium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	2.8	J	Detection between the MDL and RL.
SUMP2A-021226	Iron	D			120	J	Sample amount is less than 5X method blank
SUMP2A-021226	Thallium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.6	J	Detection between the MDL and RL.
SUMP2A-021226	Thallium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	7.5	J	Detection between the MDL and RL.
SUMP2A-021226	Methapyrilene	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	49	R	Very low LCSD low recovery and high LCS/LCSD RPD. Low CCV recovery.
SUMP2A-021226	Orthotolidine	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	30	R	Very low LCSD recovery and high LCS/LCS RPD.
SUMP2A-021226	o-Toluidine	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	9.9	R	Very low LCSD recovery and high LCS/LCS RPD.
SUMP2A-021226	2,3,7,8-TCDD	T			0.0095	UJ	Isotope dilution recovery low.
SUMP2A-021226	3-Nitroaniline	T			9.9	UJ	CCV recovery low.
SUMP2A-021226	4-Chloroaniline	T	*1	*1-LCS/LCSD RPD exceeds control limits.	20	UJ	LCS/LCSD RPD high.
SUMP2A-021226	4-Nitrophenol	T	*1	*1-LCS/LCSD RPD exceeds control limits.	25	UJ	LCS/LCSD RPD high.
SUMP2A-021226	Acetone	T			75	UJ	CCV outside control limits.
SUMP2A-021226	Allyl Chloride	T			10	UJ	CCV recovery low.
SUMP2A-021226	Benzyl butyl phthalate	T			3.9	UJ	CCV recovery low.
SUMP2A-021226	Bis(2-chloro-1-methylethyl) ether	T			9.9	UJ	CCV recovery low.
SUMP2A-021226	Bis(2-chloroethyl) ether	T			9.9	UJ	CCV recovery low.
SUMP2A-021226	Bis(2-ethylhexyl) phthalate	T			9.9	UJ	CCV recovery low.
SUMP2A-021226	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	2.8	UJ	ICV and CCV recoveries outside control limits.
SUMP2A-021226	Di-allate	T			20	UJ	CCV recovery low.
SUMP2A-021226	Di-n-octyl phthalate	T			9.9	UJ	CCV recovery low.
SUMP2A-021226	Disulfoton	T			30	UJ	CCV recovery low.
SUMP2A-021226	Famphur	T	*1	*1-LCS/LCSD RPD exceeds control limits.	49	UJ	LCS/LCSD RPD high.
SUMP2A-021226	N-Nitrosodiethylamine	T			9.9	UJ	CCV recovery low.
SUMP2A-021226	N-Nitroso-di-n-propylamine	T			9.9	UJ	CCV recovery low.
SUMP2A-021226	Phenol	T	*1	*1-LCS/LCSD RPD exceeds control limits.	9.9	UJ	LCS/LCSD RPD high.
SUMP2B-021226	Acetone	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	32	J	Detection between the MDL and RL. Analyzed outside of hold time. CCV outside control limits.
SUMP2B-021226	Arsenic	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	1.8	J	Detection between the MDL and RL.
SUMP2B-021226	Arsenic	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	1.9	J	Detection between the MDL and RL.
SUMP2B-021226	Bromide	T			5.7	J	Chromatographic interferences resulting in low bias.
SUMP2B-021226	Cadmium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	0.29	J	Detection between the MDL and RL.
SUMP2B-021226	Chromium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	3.1	J	Detection between the MDL and RL.
SUMP2B-021226	Chromium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	3.0	J	Detection between the MDL and RL.
SUMP2B-021226	cis-1,2-Dichloroethene (cDCE)	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	1.6	J	Detection between the MDL and RL. Analyzed outside of hold time.
SUMP2B-021226	Cobalt	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	1.6	J	Detection between the MDL and RL.
SUMP2B-021226	Copper	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	13	J	Detection between the MDL and RL.
SUMP2B-021226	Cyanide (total)	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	0.0051	J	Detection between the MDL and RL.
SUMP2B-021226	Selenium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5.2	J	Detection between the MDL and RL.
SUMP2B-021226	Sulfate	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	2.0	J	Detection between the MDL and RL. Chromatographic interferences resulting in low bias.
SUMP2B-021226	Thallium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5.2	J	Detection between the MDL and RL.
SUMP2B-021226	Vanadium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	3.2	J	Detection between the MDL and RL.
SUMP2B-021226	Vanadium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	3.2	J	Detection between the MDL and RL.
SUMP2B-021226	Zinc	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	18	J	Detection between the MDL and RL.
SUMP2B-021226	1,1,1,2-Tetrachloroethane	T			5.0	R	Hold time exceeded.
SUMP2B-021226	1,1,1-Trichloroethane	T			5.0	R	Hold time exceeded.
SUMP2B-021226	1,1,2,2-Tetrachloroethane	T			5.0	R	Hold time exceeded.
SUMP2B-021226	1,1,2-Trichloroethane	T			5.0	R	Hold time exceeded.
SUMP2B-021226	1,1-Dichloroethane	T			5.0	R	Hold time exceeded.
SUMP2B-021226	1,1-Dichloroethene	T			5.0	R	Hold time exceeded.
SUMP2B-021226	1,1-Dichloropropene	T			5.0	R	Hold time exceeded.

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Sample ID	Analyte	Fraction	Lab Flag	Lab Note	Result	Final Qual	Final Qualifier Reason
SUMP2B-021226	1,2,3-Trichloropropane	T			10	R	Hold time exceeded.
SUMP2B-021226	1,2-Dibromo-3-chloropropane	T			25	R	Hold time exceeded.
SUMP2B-021226	1,2-Dibromoethane (EDB)	T			5.0	R	Hold time exceeded.
SUMP2B-021226	1,2-Dichloroethane (EDC)	T			5.0	R	Hold time exceeded.
SUMP2B-021226	1,2-Dichloropropane	T			5.0	R	Hold time exceeded.
SUMP2B-021226	1,3-Dichloropropane	T			5.0	R	Hold time exceeded.
SUMP2B-021226	2,2-Dichloropropane	T			5.0	R	Hold time exceeded.
SUMP2B-021226	2-Butanone	T			50	R	Hold time exceeded.
SUMP2B-021226	2-Hexanone	T			25	R	Hold time exceeded.
SUMP2B-021226	4-Methyl-2-pentanone	T			25	R	Hold time exceeded.
SUMP2B-021226	Acetonitrile	T			150	R	Hold time exceeded.
SUMP2B-021226	Acrolein	T			100	R	Hold time exceeded.
SUMP2B-021226	Acrylonitrile	T			100	R	Hold time exceeded.
SUMP2B-021226	Allyl Chloride	T			10	R	Hold time exceeded. CCV recovery low.
SUMP2B-021226	Benzene	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Bromochloromethane	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Bromodichloromethane	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Bromoform	T			10	R	Hold time exceeded.
SUMP2B-021226	Bromomethane	T			25	R	Hold time exceeded.
SUMP2B-021226	Carbon Disulfide	T			10	R	Hold time exceeded.
SUMP2B-021226	Carbon Tetrachloride	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Chlorobenzene	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Chloroethane	T			10	R	Hold time exceeded.
SUMP2B-021226	Chloroform	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Chloromethane	T			10	R	Hold time exceeded.
SUMP2B-021226	Chloroprene	T			15	R	Hold time exceeded.
SUMP2B-021226	cis-1,3-Dichloropropene	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Dibromochloromethane	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Dibromomethane	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Dichlorodifluoromethane	T			10	R	Hold time exceeded.
SUMP2B-021226	Ethyl Methacrylate	T			15	R	Hold time exceeded.
SUMP2B-021226	Ethylbenzene	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Isobutyl alcohol	T			750	R	Hold time exceeded.
SUMP2B-021226	Methacrylonitrile	T			75	R	Hold time exceeded.
SUMP2B-021226	Methapyrilene	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	49	R	Very low LCSD low recovery and high LCS/LCSD RPD. Low CCV recovery.
SUMP2B-021226	Methyl Methacrylate	T			20	R	Hold time exceeded.
SUMP2B-021226	Methylene Chloride	T			10	R	Hold time exceeded.
SUMP2B-021226	Methyliodide	T			25	R	Hold time exceeded.
SUMP2B-021226	Orthotolidine	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	29	R	Very low LCSD recovery and high LCS/LCS RPD.
SUMP2B-021226	o-Toluidine	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	9.8	R	Very low LCSD recovery and high LCS/LCS RPD.
SUMP2B-021226	Propionitrile	T			100	R	Hold time exceeded.
SUMP2B-021226	Styrene	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Tetrachloroethene (PCE)	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Toluene	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Total Xylenes	T			5.0	R	Hold time exceeded.
SUMP2B-021226	trans-1,2-Dichloroethene	T			5.0	R	Hold time exceeded.
SUMP2B-021226	trans-1,3-Dichloropropene	T			5.0	R	Hold time exceeded.
SUMP2B-021226	trans-1,4-Dichloro-2-Butene	T			15	R	Hold time exceeded.
SUMP2B-021226	Trichloroethene (TCE)	T			5.0	R	Hold time exceeded.
SUMP2B-021226	Trichlorofluoromethane	T			10	R	Hold time exceeded.
SUMP2B-021226	Vinyl Acetate	T			15	R	Hold time exceeded.
SUMP2B-021226	Vinyl Chloride	T			5.0	R	Hold time exceeded.
SUMP2B-021226	2,3,7,8-TCDD	T			0.0097	UJ	Isotope dilution recovery low.
SUMP2B-021226	3-Nitroaniline	T			9.8	UJ	CCV recovery low.
SUMP2B-021226	4-Chloroaniline	T	*1	*1-LCS/LCSD RPD exceeds control limits.	20	UJ	LCS/LCSD RPD high.
SUMP2B-021226	4-Nitrophenol	T	*1	*1-LCS/LCSD RPD exceeds control limits.	24	UJ	LCS/LCSD RPD high.
SUMP2B-021226	Benzyl butyl phthalate	T			3.9	UJ	CCV recovery low.
SUMP2B-021226	Bis(2-chloro-1-methylethyl) ether	T			9.8	UJ	CCV recovery low.

Table C-3. Qualifiers for Groundwater and Leachate Analytical Resuts Q1 2026

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Sample ID	Analyte	Fraction	Lab Flag	Lab Note	Result	Final Qual	Final Qualifier Reason
SUMP2B-021226	Bis(2-chloroethyl) ether	T			9.8	UJ	CCV recovery low.
SUMP2B-021226	Bis(2-ethylhexyl) phthalate	T			9.8	UJ	CCV recovery low.
SUMP2B-021226	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	11	UJ	ICV and CCV recoveries outside control limits.
SUMP2B-021226	Di-allate	T			20	UJ	CCV recovery low.
SUMP2B-021226	Di-n-octyl phthalate	T			9.8	UJ	CCV recovery low.
SUMP2B-021226	Disulfoton	T			29	UJ	CCV recovery low.
SUMP2B-021226	Famphur	T	*1	*1-LCS/LCSD RPD exceeds control limits.	49	UJ	LCS/LCSD RPD high.
SUMP2B-021226	N-Nitrosodiethylamine	T			9.8	UJ	CCV recovery low.
SUMP2B-021226	N-Nitroso-di-n-propylamine	T			9.8	UJ	CCV recovery low.
SUMP2B-021226	Phenol	T	*1	*1-LCS/LCSD RPD exceeds control limits.	9.8	UJ	LCS/LCSD RPD high.
WETWELL1-021226	2-Butanone	T			3700	J	Hold time exceeded.
WETWELL1-021226	4-Methyl-2-pentanone	T			71	J	Hold time exceeded.
WETWELL1-021226	Acetone	T			5000	J	Hold time exceeded. CCV outside control limits.
WETWELL1-021226	Acetophenone	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	29	J	Detection between the MDL and RL.
WETWELL1-021226	Beryllium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	0.39	J	Detection between the MDL and RL.
WETWELL1-021226	Copper	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	7.1	J	Detection between the MDL and RL.
WETWELL1-021226	Ethylbenzene	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	7.9	J	Detection between the MDL and RL. Hold time exceeded.
WETWELL1-021226	Lead	T	B	B-Compound was found in the blank and sample.	11	J	Detected in method blank (2.82 ug/L) and field blank (3.5 ug/L). Sample amount is <5X blank amount.
WETWELL1-021226	Naphthalene	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.3	J	Detection between the MDL and RL.
WETWELL1-021226	Thallium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.8	J	Detection between the MDL and RL.
WETWELL1-021226	Toluene	T			15	J	Hold time exceeded.
WETWELL1-021226	Total Xylenes	T			23	J	Hold time exceeded.
WETWELL1-021226	Vanadium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.6	J	Detection between the MDL and RL.
WETWELL1-021226	1,1,1,2-Tetrachloroethane	T			10	R	Hold time exceeded.
WETWELL1-021226	1,1,1-Trichloroethane	T			10	R	Hold time exceeded.
WETWELL1-021226	1,1,2,2-Tetrachloroethane	T			10	R	Hold time exceeded.
WETWELL1-021226	1,1,2-Trichloroethane	T			10	R	Hold time exceeded.
WETWELL1-021226	1,1-Dichloroethane	T			10	R	Hold time exceeded.
WETWELL1-021226	1,1-Dichloroethene	T			10	R	Hold time exceeded.
WETWELL1-021226	1,1-Dichloropropene	T			10	R	Hold time exceeded.
WETWELL1-021226	1,2,3-Trichloropropane	T			20	R	Hold time exceeded.
WETWELL1-021226	1,2-Dibromo-3-chloropropane	T			50	R	Hold time exceeded.
WETWELL1-021226	1,2-Dibromoethane (EDB)	T			10	R	Hold time exceeded.
WETWELL1-021226	1,2-Dichloroethane (EDC)	T			10	R	Hold time exceeded.
WETWELL1-021226	1,2-Dichloropropane	T			10	R	Hold time exceeded.
WETWELL1-021226	1,3-Dichloropropane	T			10	R	Hold time exceeded.
WETWELL1-021226	2,2-Dichloropropane	T			10	R	Hold time exceeded.
WETWELL1-021226	2-Hexanone	T			50	R	Hold time exceeded.
WETWELL1-021226	Acetonitrile	T			300	R	Hold time exceeded.
WETWELL1-021226	Acrolein	T			200	R	Hold time exceeded.
WETWELL1-021226	Acrylonitrile	T			200	R	Hold time exceeded.
WETWELL1-021226	Allyl Chloride	T			20	R	Hold time exceeded. CCV recovery low.
WETWELL1-021226	Benzene	T			10	R	Hold time exceeded.
WETWELL1-021226	Bromochloromethane	T			10	R	Hold time exceeded.
WETWELL1-021226	Bromodichloromethane	T			10	R	Hold time exceeded.
WETWELL1-021226	Bromoform	T			20	R	Hold time exceeded.
WETWELL1-021226	Bromomethane	T			50	R	Hold time exceeded.
WETWELL1-021226	Carbon Disulfide	T			20	R	Hold time exceeded.
WETWELL1-021226	Carbon Tetrachloride	T			10	R	Hold time exceeded.
WETWELL1-021226	Chlorobenzene	T			10	R	Hold time exceeded.
WETWELL1-021226	Chloroethane	T			20	R	Hold time exceeded.
WETWELL1-021226	Chloroform	T			10	R	Hold time exceeded.
WETWELL1-021226	Chloromethane	T			20	R	Hold time exceeded.
WETWELL1-021226	Chloroprene	T			30	R	Hold time exceeded.
WETWELL1-021226	cis-1,2-Dichloroethene (cDCE)	T			10	R	Hold time exceeded.
WETWELL1-021226	cis-1,3-Dichloropropene	T			10	R	Hold time exceeded.
WETWELL1-021226	Dibromochloromethane	T			10	R	Hold time exceeded.

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Sample ID	Analyte	Fraction	Lab Flag	Lab Note	Result	Final Qual	Final Qualifier Reason
WETWELL1-021226	Dibromomethane	T			10	R	Hold time exceeded.
WETWELL1-021226	Dichlorodifluoromethane	T			20	R	Hold time exceeded.
WETWELL1-021226	Ethyl Methacrylate	T			30	R	Hold time exceeded.
WETWELL1-021226	Isobutyl alcohol	T			1500	R	Hold time exceeded.
WETWELL1-021226	Methacrylonitrile	T			150	R	Hold time exceeded.
WETWELL1-021226	Methapyrilene	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	250	R	Very low LCSD low recovery and high LCS/LCSD RPD. Low CCV recovery.
WETWELL1-021226	Methyl Methacrylate	T			40	R	Hold time exceeded.
WETWELL1-021226	Methylene Chloride	T			20	R	Hold time exceeded.
WETWELL1-021226	Methyliodide	T			50	R	Hold time exceeded.
WETWELL1-021226	Orthotolidine	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	150	R	Very low LCSD recovery and high LCS/LCS RPD.
WETWELL1-021226	o-Toluidine	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	50	R	Very low LCSD recovery and high LCS/LCS RPD.
WETWELL1-021226	Propionitrile	T			200	R	Hold time exceeded.
WETWELL1-021226	Styrene	T			10	R	Hold time exceeded.
WETWELL1-021226	Tetrachloroethene (PCE)	T			10	R	Hold time exceeded.
WETWELL1-021226	trans-1,2-Dichloroethene	T			10	R	Hold time exceeded.
WETWELL1-021226	trans-1,3-Dichloropropene	T			10	R	Hold time exceeded.
WETWELL1-021226	trans-1,4-Dichloro-2-Butene	T			30	R	Hold time exceeded.
WETWELL1-021226	Trichloroethene (TCE)	T			10	R	Hold time exceeded.
WETWELL1-021226	Trichlorofluoromethane	T			20	R	Hold time exceeded.
WETWELL1-021226	Vinyl Acetate	T			30	R	Hold time exceeded.
WETWELL1-021226	Vinyl Chloride	T			10	R	Hold time exceeded.
WETWELL1-021226	2,3,7,8-TCDD	T			0.0097	UJ	Isotope dilution recovery low.
WETWELL1-021226	3-Nitroaniline	T			50	UJ	CCV recovery low.
WETWELL1-021226	4-Chloroaniline	T	*1	*1-LCS/LCSD RPD exceeds control limits.	100	UJ	LCS/LCSD RPD high.
WETWELL1-021226	4-Nitrophenol	T	*1	*1-LCS/LCSD RPD exceeds control limits.	130	UJ	LCS/LCSD RPD high.
WETWELL1-021226	Benzyl butyl phthalate	T			20	UJ	CCV recovery low.
WETWELL1-021226	Bis(2-chloro-1-methylethyl) ether	T			50	UJ	CCV recovery low.
WETWELL1-021226	Bis(2-chloroethyl) ether	T			50	UJ	CCV recovery low.
WETWELL1-021226	Bis(2-ethylhexyl) phthalate	T			50	UJ	CCV recovery low.
WETWELL1-021226	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	300	UJ	ICV and CCV recoveries outside control limits.
WETWELL1-021226	Di-allate	T			100	UJ	CCV recovery low.
WETWELL1-021226	Di-n-octyl phthalate	T			50	UJ	CCV recovery low.
WETWELL1-021226	Disulfoton	T			150	UJ	CCV recovery low.
WETWELL1-021226	Famphur	T	*1	*1-LCS/LCSD RPD exceeds control limits.	250	UJ	LCS/LCSD RPD high.
WETWELL1-021226	N-Nitrosodiethylamine	T			50	UJ	CCV recovery low.
WETWELL1-021226	N-Nitroso-di-n-propylamine	T			50	UJ	CCV recovery low.
WETWELL1-021226	Phenol	T	*1	*1-LCS/LCSD RPD exceeds control limits.	50	UJ	LCS/LCSD RPD high.
WETWELL2-021226	2-Methylnaphthalene	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	1.1	J	Detection between the MDL and RL.
WETWELL2-021226	Copper	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	14	J	Detection between the MDL and RL.
WETWELL2-021226	Thallium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	8.6	J	Detection between the MDL and RL.
WETWELL2-021226	Thallium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5.9	J	Detection between the MDL and RL.
WETWELL2-021226	Toluene	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	1.3	J	Detection between the MDL and RL.
WETWELL2-021226	Total Xylenes	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.2	J	Detection between the MDL and RL.
WETWELL2-021226	1,1,1,2-Tetrachloroethane	T			5.0	R	Hold time exceeded.
WETWELL2-021226	1,1,1-Trichloroethane	T			5.0	R	Hold time exceeded.
WETWELL2-021226	1,1,2,2-Tetrachloroethane	T			5.0	R	Hold time exceeded.
WETWELL2-021226	1,1,2-Trichloroethane	T			5.0	R	Hold time exceeded.
WETWELL2-021226	1,1-Dichloroethane	T			5.0	R	Hold time exceeded.
WETWELL2-021226	1,1-Dichloroethene	T			5.0	R	Hold time exceeded.
WETWELL2-021226	1,1-Dichloropropene	T			5.0	R	Hold time exceeded.
WETWELL2-021226	1,2,3-Trichloropropane	T			10	R	Hold time exceeded.
WETWELL2-021226	1,2-Dibromo-3-chloropropane	T			25	R	Hold time exceeded.
WETWELL2-021226	1,2-Dibromoethane (EDB)	T			5.0	R	Hold time exceeded.
WETWELL2-021226	1,2-Dichloroethane (EDC)	T			5.0	R	Hold time exceeded.
WETWELL2-021226	1,2-Dichloropropane	T			5.0	R	Hold time exceeded.
WETWELL2-021226	1,3-Dichloropropane	T			5.0	R	Hold time exceeded.
WETWELL2-021226	2,2-Dichloropropane	T			5.0	R	Hold time exceeded.
WETWELL2-021226	2-Butanone	T			50	R	Hold time exceeded.

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Sample ID	Analyte	Fraction	Lab Flag	Lab Note	Result	Final Qual	Final Qualifier Reason
WETWELL2-021226	2-Hexanone	T			25	R	Hold time exceeded.
WETWELL2-021226	4-Methyl-2-pentanone	T			25	R	Hold time exceeded.
WETWELL2-021226	Acetone	T			75	R	Hold time exceeded.
WETWELL2-021226	Acetonitrile	T			150	R	Hold time exceeded. CCV outside control limits.
WETWELL2-021226	Acrolein	T			100	R	Hold time exceeded.
WETWELL2-021226	Acrylonitrile	T			100	R	Hold time exceeded.
WETWELL2-021226	Allyl Chloride	T			10	R	Hold time exceeded. CCV recovery low.
WETWELL2-021226	Benzene	T			5.0	R	Hold time exceeded.
WETWELL2-021226	Bromochloromethane	T			5.0	R	Hold time exceeded.
WETWELL2-021226	Bromodichloromethane	T			5.0	R	Hold time exceeded.
WETWELL2-021226	Bromoform	T			10	R	Hold time exceeded.
WETWELL2-021226	Bromomethane	T			25	R	Hold time exceeded. CCV outside control limits.
WETWELL2-021226	Carbon Disulfide	T			10	R	Hold time exceeded.
WETWELL2-021226	Carbon Tetrachloride	T			5.0	R	Hold time exceeded.
WETWELL2-021226	Chlorobenzene	T			5.0	R	Hold time exceeded.
WETWELL2-021226	Chloroethane	T			10	R	Hold time exceeded.
WETWELL2-021226	Chloroform	T			5.0	R	Hold time exceeded.
WETWELL2-021226	Chloromethane	T			10	R	Hold time exceeded.
WETWELL2-021226	Chloroprene	T			15	R	Hold time exceeded. CCV outside control limits.
WETWELL2-021226	cis-1,2-Dichloroethene (cDCE)	T			5.0	R	Hold time exceeded.
WETWELL2-021226	cis-1,3-Dichloropropene	T			5.0	R	Hold time exceeded.
WETWELL2-021226	Dibromochloromethane	T			5.0	R	Hold time exceeded.
WETWELL2-021226	Dibromomethane	T			5.0	R	Hold time exceeded.
WETWELL2-021226	Dichlorodifluoromethane	T			10	R	Hold time exceeded.
WETWELL2-021226	Ethyl Methacrylate	T			15	R	Hold time exceeded.
WETWELL2-021226	Ethylbenzene	T			5.0	R	Hold time exceeded.
WETWELL2-021226	Isobutyl alcohol	T			750	R	Hold time exceeded.
WETWELL2-021226	Methacrylonitrile	T			75	R	Hold time exceeded. CCV outside control limits.
WETWELL2-021226	Methapyrilene	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	47	R	Very low LCSD low recovery and high LCS/LCSD RPD. Low CCV recovery.
WETWELL2-021226	Methyl Methacrylate	T			20	R	Hold time exceeded.
WETWELL2-021226	Methylene Chloride	T			10	R	Hold time exceeded.
WETWELL2-021226	Methyliodide	T			25	R	Hold time exceeded. CCV outside control limits.
WETWELL2-021226	Orthotolidine	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	28	R	Very low LCSD recovery and high LCS/LCS RPD.
WETWELL2-021226	o-Toluidine	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	9.5	R	Very low LCSD recovery and high LCS/LCS RPD.
WETWELL2-021226	Propionitrile	T			100	R	Hold time exceeded. CCV outside control limits.
WETWELL2-021226	Styrene	T			5.0	R	Hold time exceeded.
WETWELL2-021226	Tetrachloroethene (PCE)	T			5.0	R	Hold time exceeded.
WETWELL2-021226	trans-1,2-Dichloroethene	T			5.0	R	Hold time exceeded.
WETWELL2-021226	trans-1,3-Dichloropropene	T			5.0	R	Hold time exceeded.
WETWELL2-021226	trans-1,4-Dichloro-2-Butene	T			15	R	Hold time exceeded.
WETWELL2-021226	Trichloroethene (TCE)	T			5.0	R	Hold time exceeded.
WETWELL2-021226	Trichlorofluoromethane	T			10	R	Hold time exceeded.
WETWELL2-021226	Vinyl Acetate	T			15	R	Hold time exceeded.
WETWELL2-021226	Vinyl Chloride	T			5.0	R	Hold time exceeded.
WETWELL2-021226	2,3,7,8-TCDD	T			0.0096	UJ	Isotope dilution recovery low.
WETWELL2-021226	3-Nitroaniline	T			9.5	UJ	CCV recovery low.
WETWELL2-021226	4-Chloroaniline	T	*1	*1-LCS/LCSD RPD exceeds control limits.	19	UJ	LCS/LCSD RPD high.
WETWELL2-021226	4-Nitrophenol	T	*1	*1-LCS/LCSD RPD exceeds control limits.	24	UJ	LCS/LCSD RPD high.
WETWELL2-021226	Benzyl butyl phthalate	T			3.8	UJ	CCV recovery low.
WETWELL2-021226	Bis(2-chloro-1-methylethyl) ether	T			9.5	UJ	CCV recovery low.
WETWELL2-021226	Bis(2-chloroethyl) ether	T			9.5	UJ	CCV recovery low.
WETWELL2-021226	Bis(2-ethylhexyl) phthalate	T			9.5	UJ	CCV recovery low.
WETWELL2-021226	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	12	UJ	ICV and CCV recoveries outside control limits.
WETWELL2-021226	Di-allate	T			19	UJ	CCV recovery low.
WETWELL2-021226	Di-n-octyl phthalate	T			9.5	UJ	CCV recovery low.
WETWELL2-021226	Disulfoton	T			28	UJ	CCV recovery low.
WETWELL2-021226	Famphur	T	*1	*1-LCS/LCSD RPD exceeds control limits.	47	UJ	LCS/LCSD RPD high.
WETWELL2-021226	N-Nitrosodiethylamine	T			9.5	UJ	CCV recovery low.

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Sample ID	Analyte	Fraction	Lab Flag	Lab Note	Result	Final Qual	Final Qualifier Reason
WETWELL2-021226	N-Nitroso-di-n-propylamine	T			9.5	UJ	CCV recovery low.
WETWELL2-021226	Phenol	T	*1	*1-LCS/LCSD RPD exceeds control limits.	9.5	UJ	LCS/LCSD RPD high.
WETWELL3-021226	2-Methylphenol	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.0	J	Detection between the MDL and RL.
WETWELL3-021226	4-Methyl-2-pentanone	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	15	J	Detection between the MDL and RL. Hold time exceeded.
WETWELL3-021226	Acetophenone	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.8	J	Detection between the MDL and RL.
WETWELL3-021226	Chromium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.1	J	Detection between the MDL and RL.
WETWELL3-021226	Diethyl phthalate	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	2.0	J	Detection between the MDL and RL.
WETWELL3-021226	Ethylbenzene	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	4.5	J	Detection between the MDL and RL. Hold time exceeded.
WETWELL3-021226	Naphthalene	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	3.5	J	Detection between the MDL and RL.
WETWELL3-021226	Thallium	D	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	6.6	J	Detection between the MDL and RL.
WETWELL3-021226	Thallium	T	J	J-Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5.5	J	Detection between the MDL and RL.
WETWELL3-021226	Toluene	T			7.0	J	Hold time exceeded.
WETWELL3-021226	Total Xylenes	T			13	J	Hold time exceeded.
WETWELL3-021226	1,1,1,2-Tetrachloroethane	T			5.0	R	Hold time exceeded.
WETWELL3-021226	1,1,1-Trichloroethane	T			5.0	R	Hold time exceeded.
WETWELL3-021226	1,1,2,2-Tetrachloroethane	T			5.0	R	Hold time exceeded.
WETWELL3-021226	1,1,2-Trichloroethane	T			5.0	R	Hold time exceeded.
WETWELL3-021226	1,1-Dichloroethane	T			5.0	R	Hold time exceeded.
WETWELL3-021226	1,1-Dichloroethene	T			5.0	R	Hold time exceeded.
WETWELL3-021226	1,1-Dichloropropene	T			5.0	R	Hold time exceeded.
WETWELL3-021226	1,2,3-Trichloropropane	T			10	R	Hold time exceeded.
WETWELL3-021226	1,2-Dibromo-3-chloropropane	T			25	R	Hold time exceeded.
WETWELL3-021226	1,2-Dibromoethane (EDB)	T			5.0	R	Hold time exceeded.
WETWELL3-021226	1,2-Dichloroethane (EDC)	T			5.0	R	Hold time exceeded.
WETWELL3-021226	1,2-Dichloropropane	T			5.0	R	Hold time exceeded.
WETWELL3-021226	1,3-Dichloropropane	T			5.0	R	Hold time exceeded.
WETWELL3-021226	2,2-Dichloropropane	T			5.0	R	Hold time exceeded.
WETWELL3-021226	2-Butanone	T			50	R	Hold time exceeded.
WETWELL3-021226	2-Hexanone	T			25	R	Hold time exceeded.
WETWELL3-021226	Acetone	T			75	R	Hold time exceeded.
WETWELL3-021226	Acetonitrile	T			150	R	Hold time exceeded. CCV outside control limits.
WETWELL3-021226	Acrolein	T			100	R	Hold time exceeded.
WETWELL3-021226	Acrylonitrile	T			100	R	Hold time exceeded.
WETWELL3-021226	Allyl Chloride	T			10	R	Hold time exceeded. CCV recovery low.
WETWELL3-021226	Benzene	T			5.0	R	Hold time exceeded.
WETWELL3-021226	Bromochloromethane	T			5.0	R	Hold time exceeded.
WETWELL3-021226	Bromodichloromethane	T			5.0	R	Hold time exceeded.
WETWELL3-021226	Bromoform	T			10	R	Hold time exceeded.
WETWELL3-021226	Bromomethane	T			25	R	Hold time exceeded. CCV outside control limits.
WETWELL3-021226	Carbon Disulfide	T			10	R	Hold time exceeded.
WETWELL3-021226	Carbon Tetrachloride	T			5.0	R	Hold time exceeded.
WETWELL3-021226	Chlorobenzene	T			5.0	R	Hold time exceeded.
WETWELL3-021226	Chloroethane	T			10	R	Hold time exceeded.
WETWELL3-021226	Chloroform	T			5.0	R	Hold time exceeded.
WETWELL3-021226	Chloromethane	T			10	R	Hold time exceeded.
WETWELL3-021226	Chloroprene	T			15	R	Hold time exceeded. CCV outside control limits.
WETWELL3-021226	cis-1,2-Dichloroethene (cDCE)	T			5.0	R	Hold time exceeded.
WETWELL3-021226	cis-1,3-Dichloropropene	T			5.0	R	Hold time exceeded.
WETWELL3-021226	Dibromochloromethane	T			5.0	R	Hold time exceeded.
WETWELL3-021226	Dibromomethane	T			5.0	R	Hold time exceeded.
WETWELL3-021226	Dichlorodifluoromethane	T			10	R	Hold time exceeded.
WETWELL3-021226	Ethyl Methacrylate	T			15	R	Hold time exceeded.
WETWELL3-021226	Isobutyl alcohol	T			750	R	Hold time exceeded.
WETWELL3-021226	Methacrylonitrile	T			75	R	Hold time exceeded. CCV outside control limits.
WETWELL3-021226	Methapyrilene	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	47	R	Very low LCSD low recovery and high LCS/LCSD RPD. Low CCV recovery.
WETWELL3-021226	Methyl Methacrylate	T			20	R	Hold time exceeded.
WETWELL3-021226	Methylene Chloride	T			10	R	Hold time exceeded.
WETWELL3-021226	Methyliodide	T			25	R	Hold time exceeded. CCV outside control limits.
WETWELL3-021226	Orthotolidine	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	28	R	Very low LCSD recovery and high LCS/LCS RPD.

Table C-3. Qualifiers for Groundwater and Leachate Analytical Resuts Q1 2026

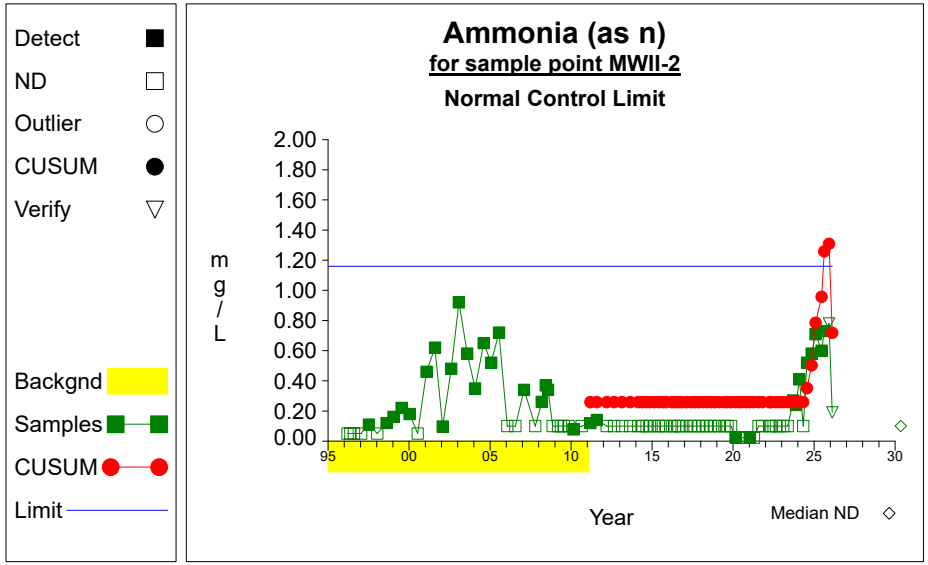
Project No. WG3074/26007304, Kekaha Landfill, Kekaha, Hawai'i

DRAFT

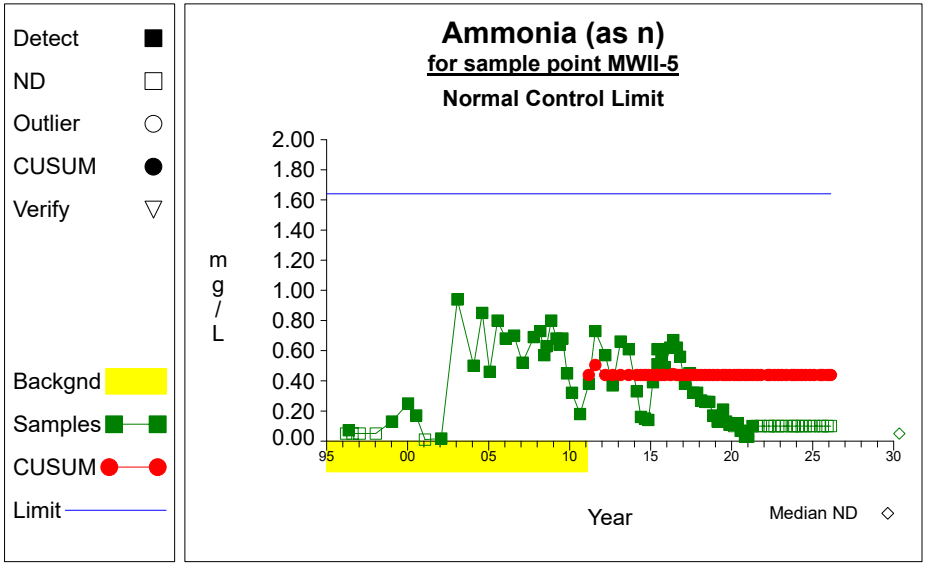
Sample ID	Analyte	Fraction	Lab Flag	Lab Note	Result	Final Qual	Final Qualifier Reason
WETWELL3-021226	o-Toluidine	T	*- *1	*--LCS and/or LCSD is outside acceptance limits, low biased.; *1-LCS/LCSD RPD exceeds control limits.	9.4	R	Very low LCSD recovery and high LCS/LCS RPD.
WETWELL3-021226	Propionitrile	T			100	R	Hold time exceeded. CCV outside control limits.
WETWELL3-021226	Styrene	T			5.0	R	Hold time exceeded.
WETWELL3-021226	Tetrachloroethene (PCE)	T			5.0	R	Hold time exceeded.
WETWELL3-021226	trans-1,2-Dichloroethene	T			5.0	R	Hold time exceeded.
WETWELL3-021226	trans-1,3-Dichloropropene	T			5.0	R	Hold time exceeded.
WETWELL3-021226	trans-1,4-Dichloro-2-Butene	T			15	R	Hold time exceeded.
WETWELL3-021226	Trichloroethene (TCE)	T			5.0	R	Hold time exceeded.
WETWELL3-021226	Trichlorofluoromethane	T			10	R	Hold time exceeded.
WETWELL3-021226	Vinyl Acetate	T			15	R	Hold time exceeded.
WETWELL3-021226	Vinyl Chloride	T			5.0	R	Hold time exceeded.
WETWELL3-021226	3-Nitroaniline	T			9.4	UJ	CCV recovery low.
WETWELL3-021226	4-Chloroaniline	T	*1	*1-LCS/LCSD RPD exceeds control limits.	19	UJ	LCS/LCSD RPD high.
WETWELL3-021226	4-Nitrophenol	T	*1	*1-LCS/LCSD RPD exceeds control limits.	23	UJ	LCS/LCSD RPD high.
WETWELL3-021226	Benzyl butyl phthalate	T			3.7	UJ	CCV recovery low.
WETWELL3-021226	Bis(2-chloro-1-methylethyl) ether	T			9.4	UJ	CCV recovery low.
WETWELL3-021226	Bis(2-chloroethyl) ether	T			9.4	UJ	CCV recovery low.
WETWELL3-021226	Bis(2-ethylhexyl) phthalate	T			9.4	UJ	CCV recovery low.
WETWELL3-021226	Chlordecone	T	*+	*+-LCS and/or LCSD is outside acceptance limits, high biased.; *+-LCS and/or LCSD is outside acceptance limits, high biased.	11	UJ	ICV and CCV recoveries outside control limits.
WETWELL3-021226	Di-allate	T			19	UJ	CCV recovery low.
WETWELL3-021226	Di-n-octyl phthalate	T			9.4	UJ	CCV recovery low.
WETWELL3-021226	Disulfoton	T			28	UJ	CCV recovery low.
WETWELL3-021226	Famphur	T	*1	*1-LCS/LCSD RPD exceeds control limits.	47	UJ	LCS/LCSD RPD high.
WETWELL3-021226	N-Nitrosodiethylamine	T			9.4	UJ	CCV recovery low.
WETWELL3-021226	N-Nitroso-di-n-propylamine	T			9.4	UJ	CCV recovery low.
WETWELL3-021226	Phenol	T	*1	*1-LCS/LCSD RPD exceeds control limits.	9.4	UJ	LCS/LCSD RPD high.

APPENDIX D
Statistical Evaluation of Phase II Data

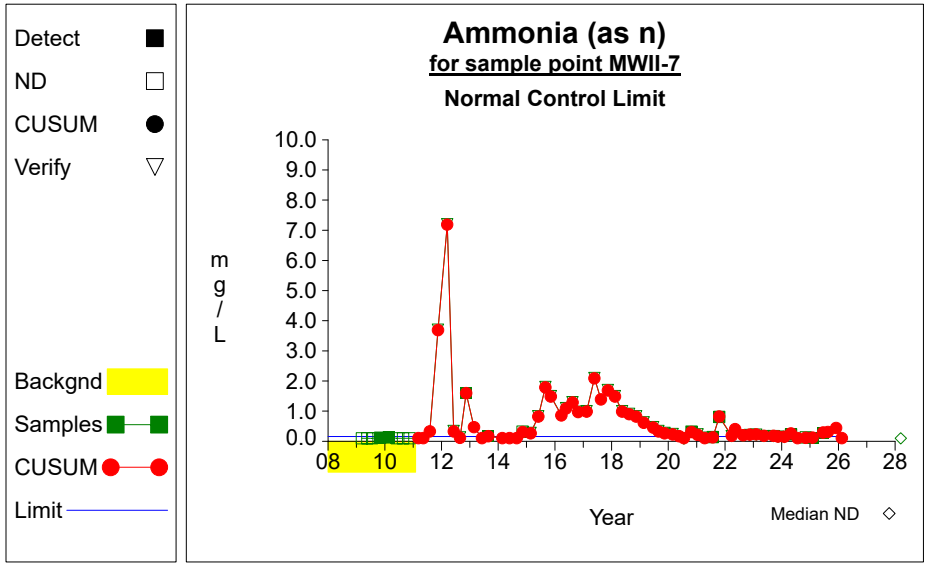
Intra-Well Control Charts / Prediction Limits



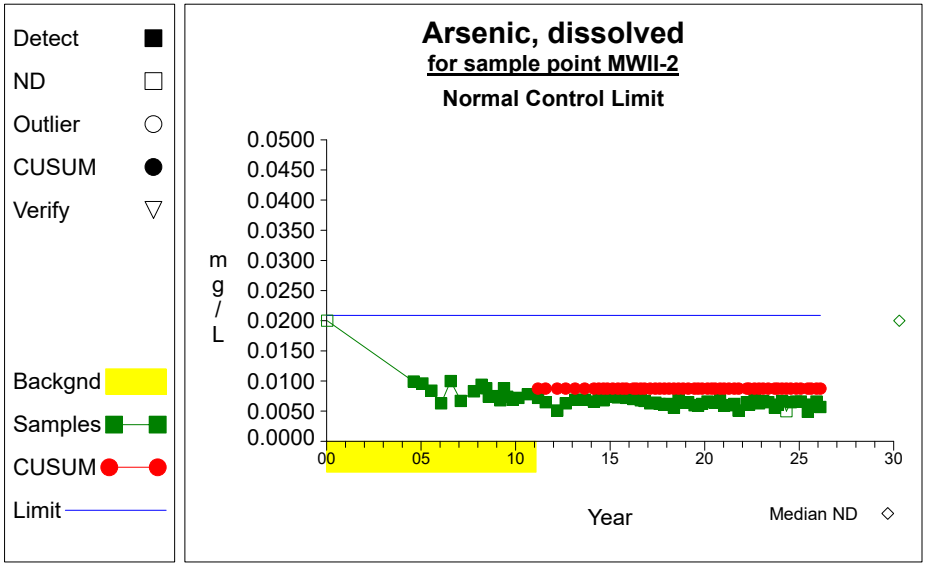
Graph 1



Graph 2

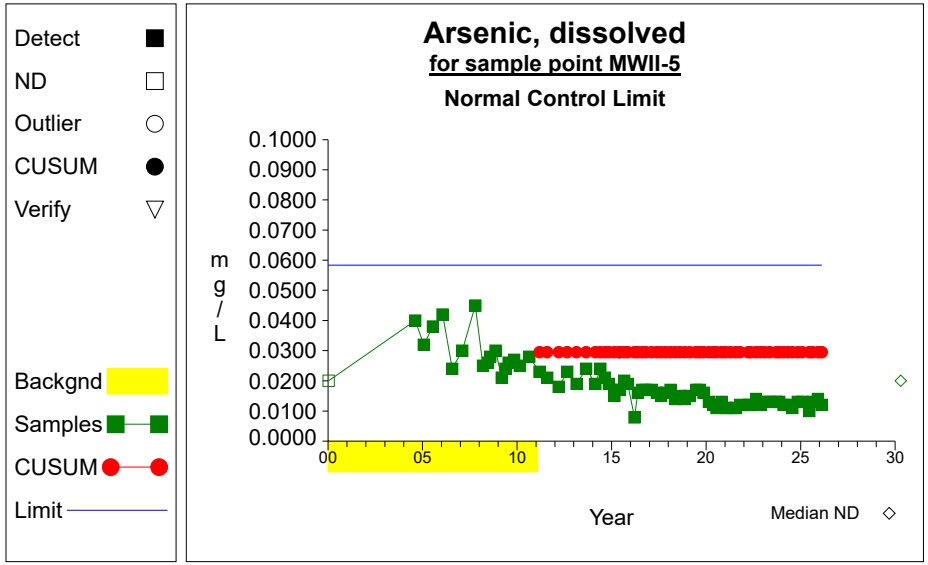


Graph 3

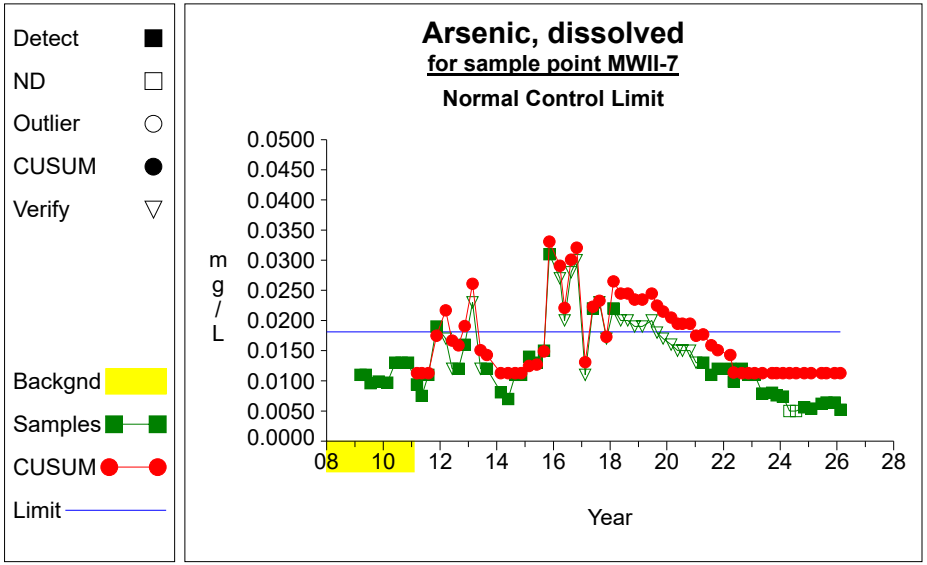


Graph 4

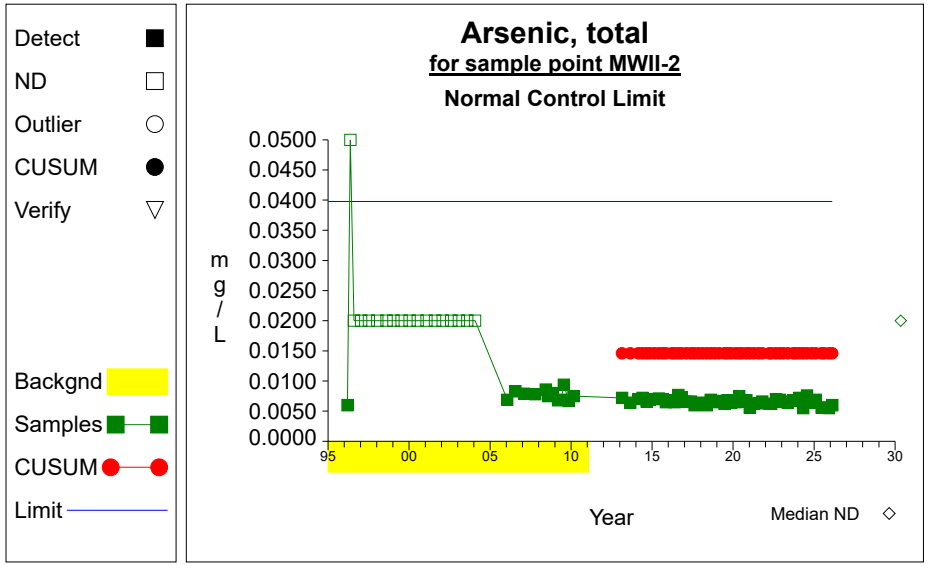
Intra-Well Control Charts / Prediction Limits



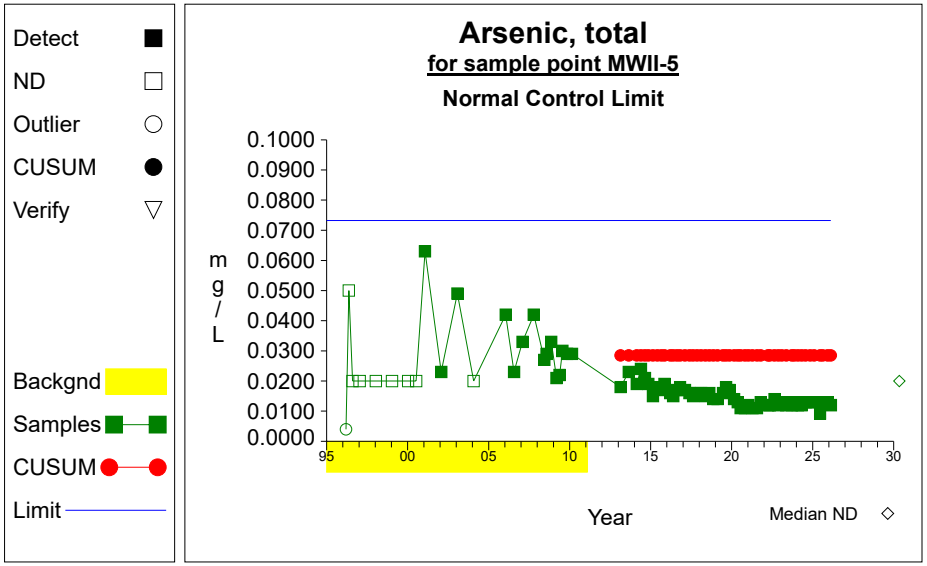
Graph 5



Graph 6

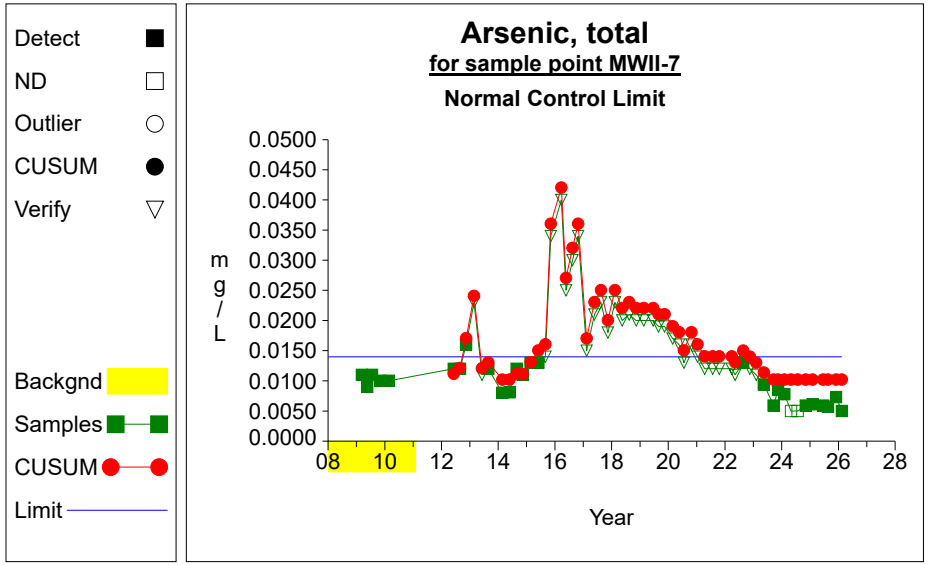


Graph 7

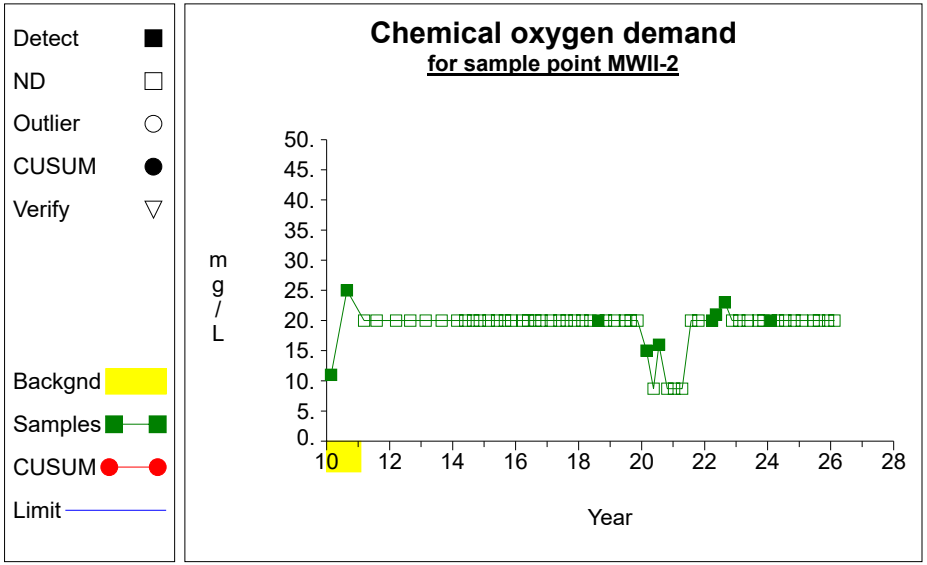


Graph 8

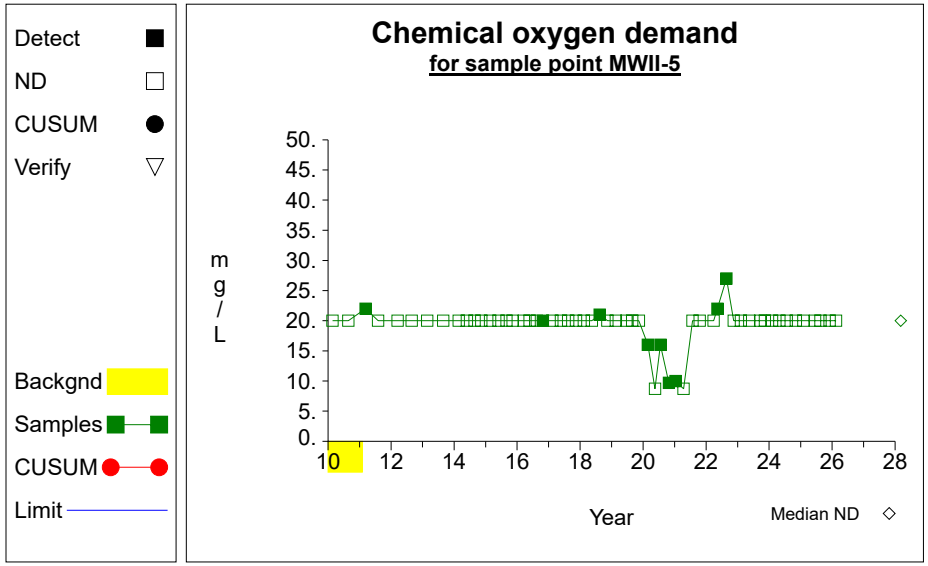
Intra-Well Control Charts / Prediction Limits



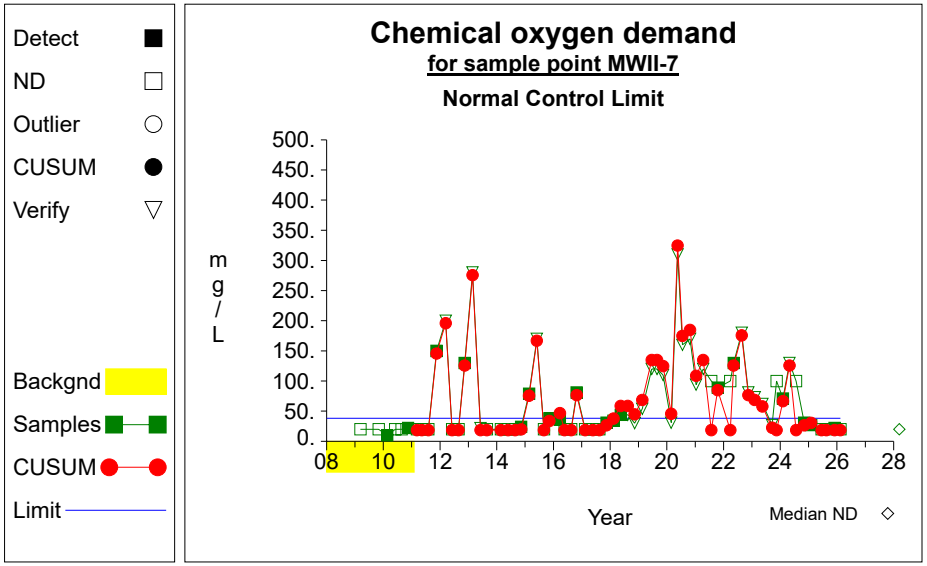
Graph 9



Graph 10

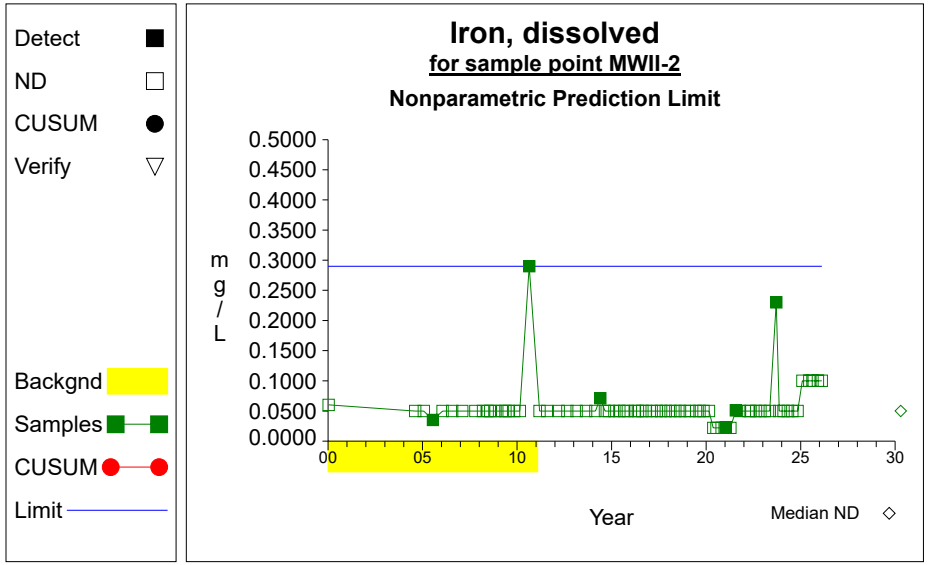


Graph 11

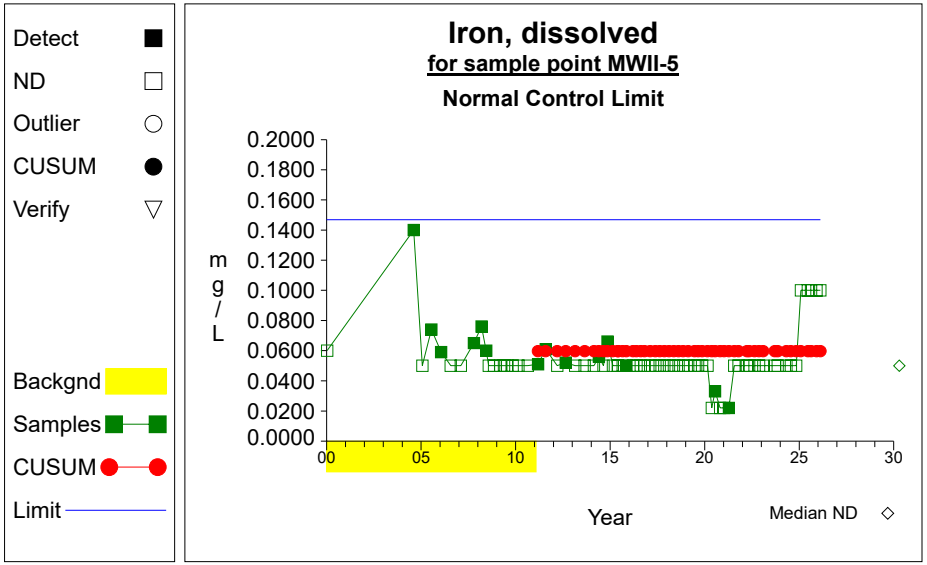


Graph 12

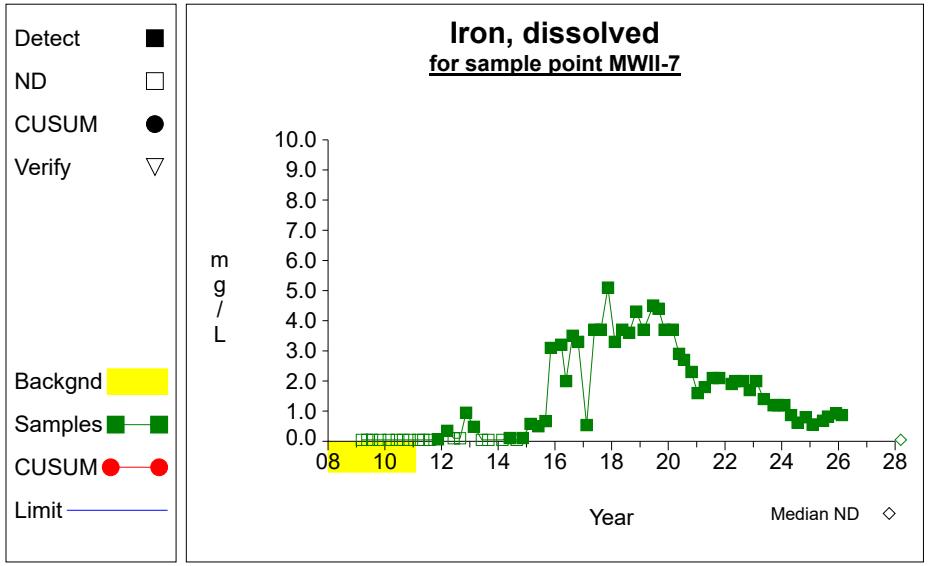
Intra-Well Control Charts / Prediction Limits



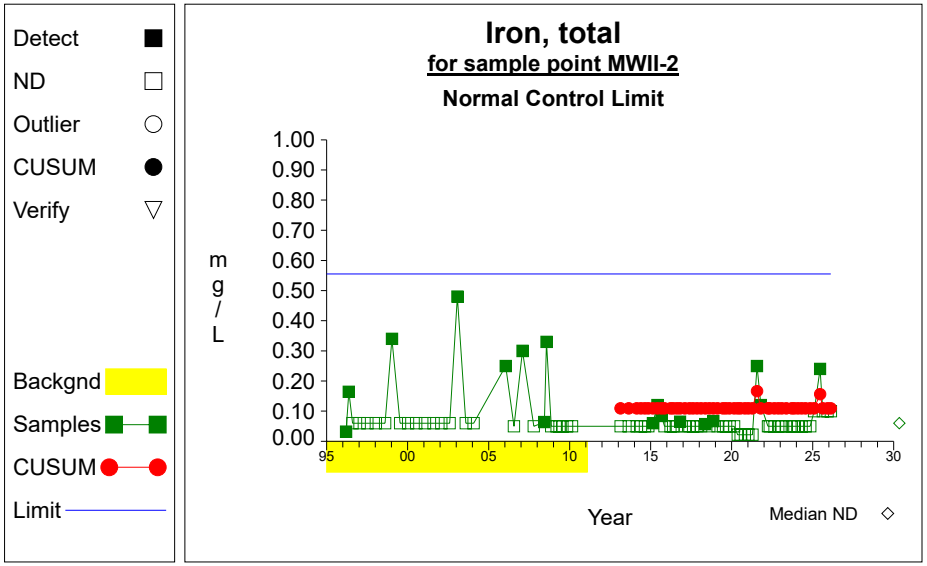
Graph 13



Graph 14

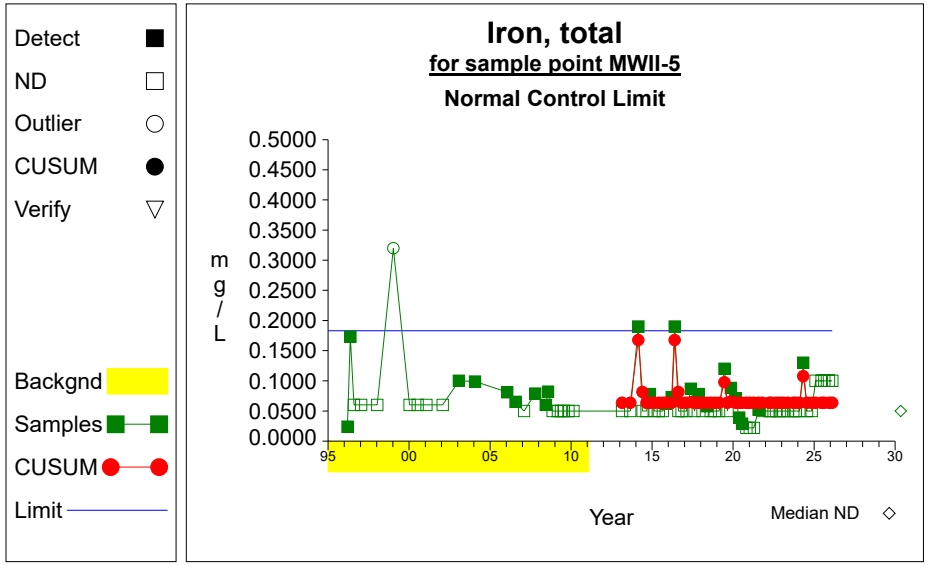


Graph 15

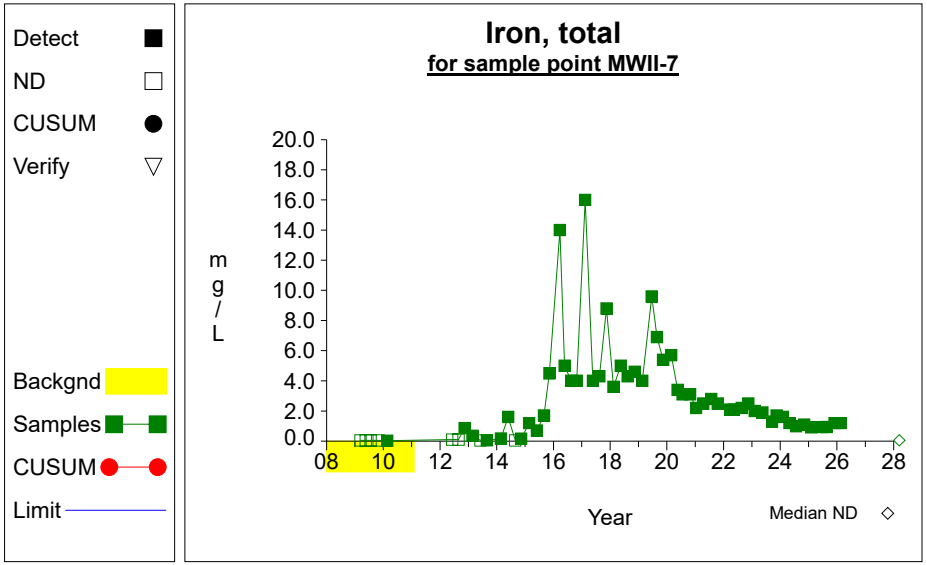


Graph 16

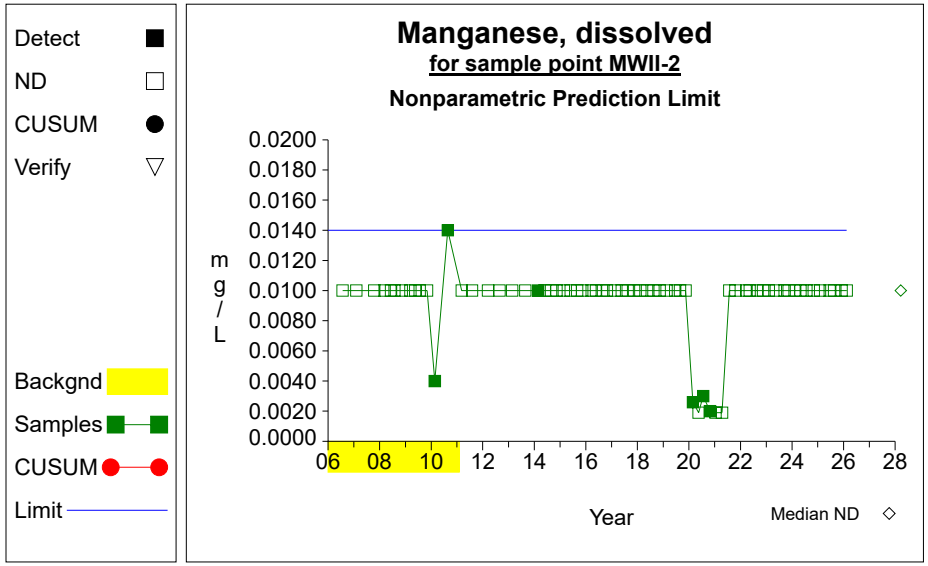
Intra-Well Control Charts / Prediction Limits



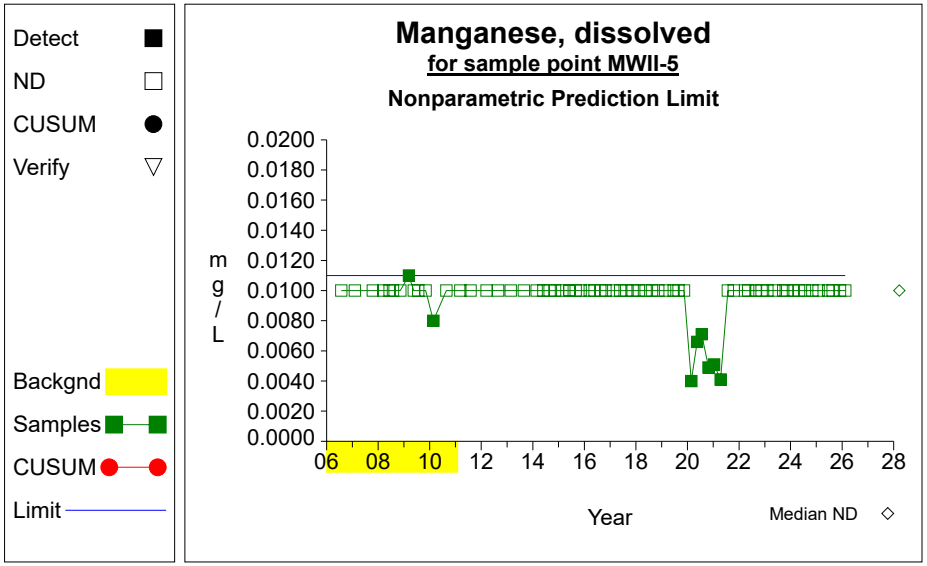
Graph 17



Graph 18

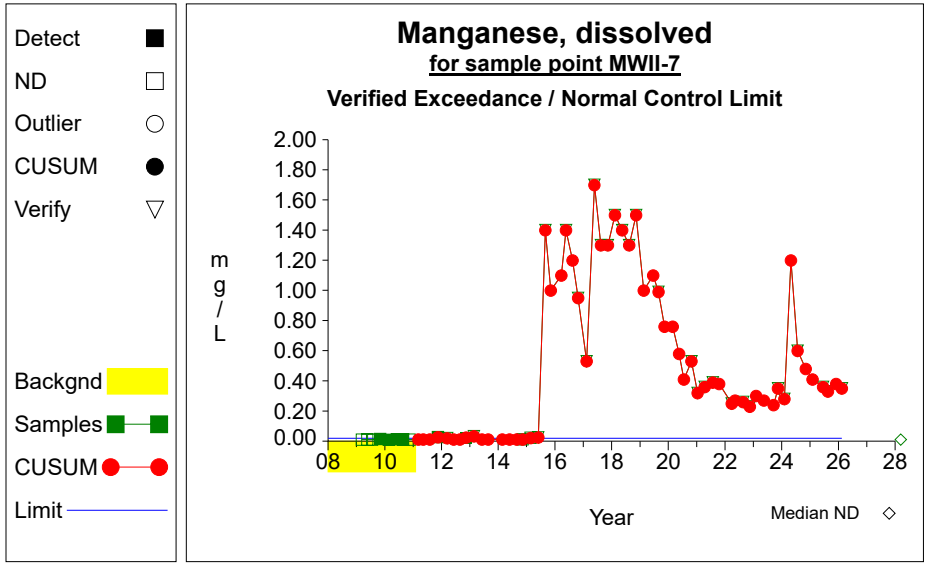


Graph 19

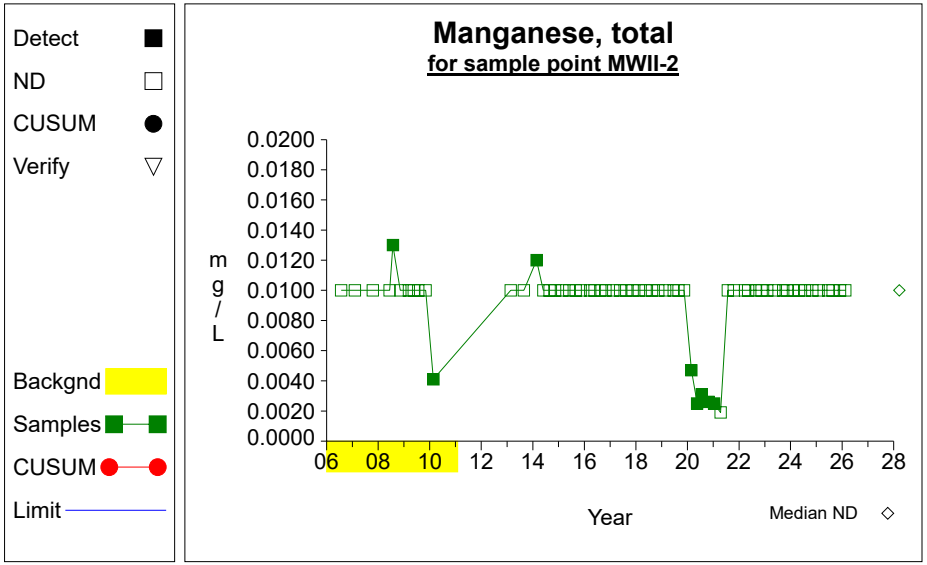


Graph 20

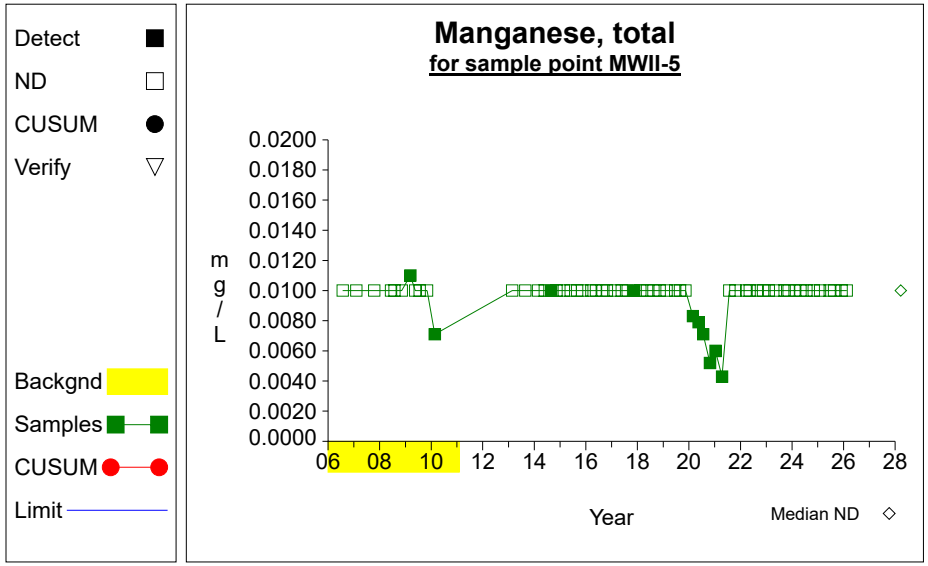
Intra-Well Control Charts / Prediction Limits



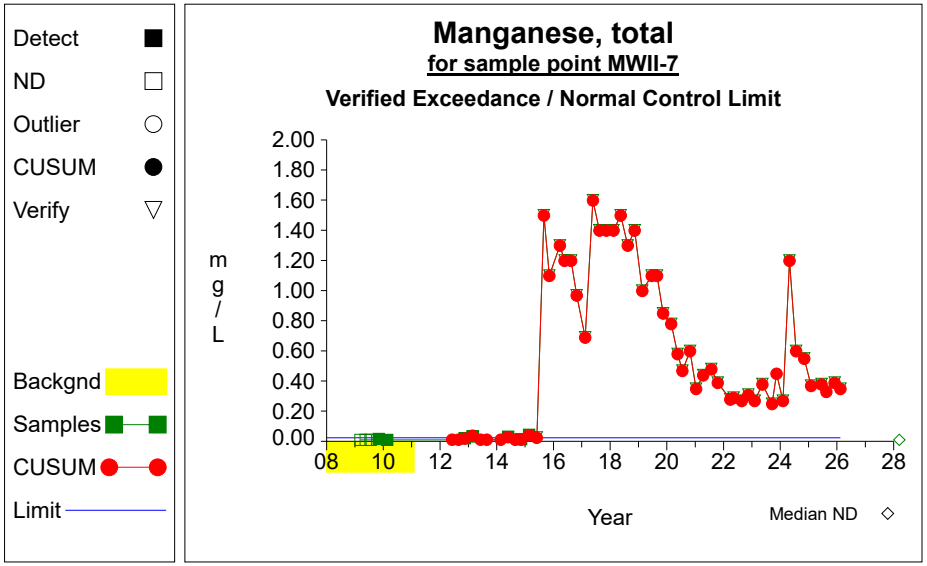
Graph 21



Graph 22

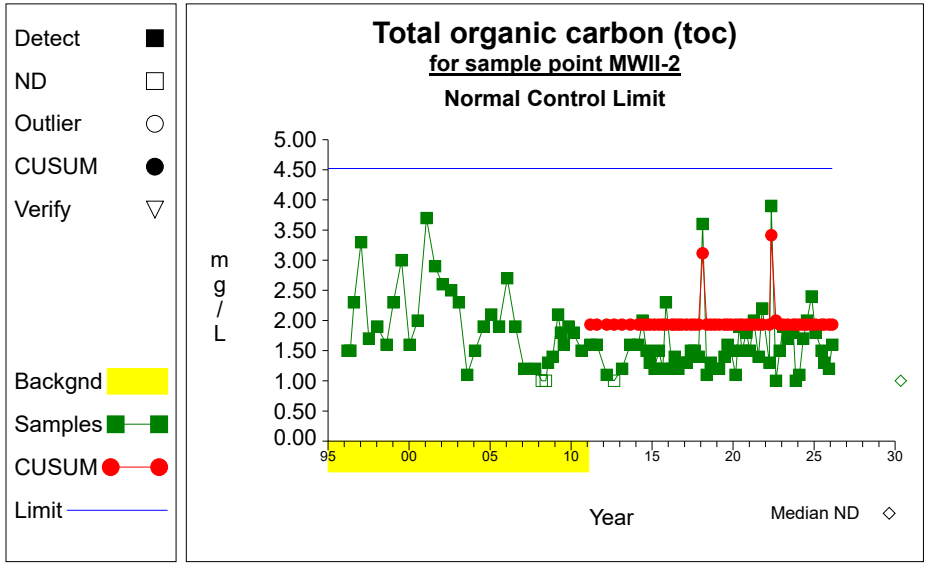


Graph 23

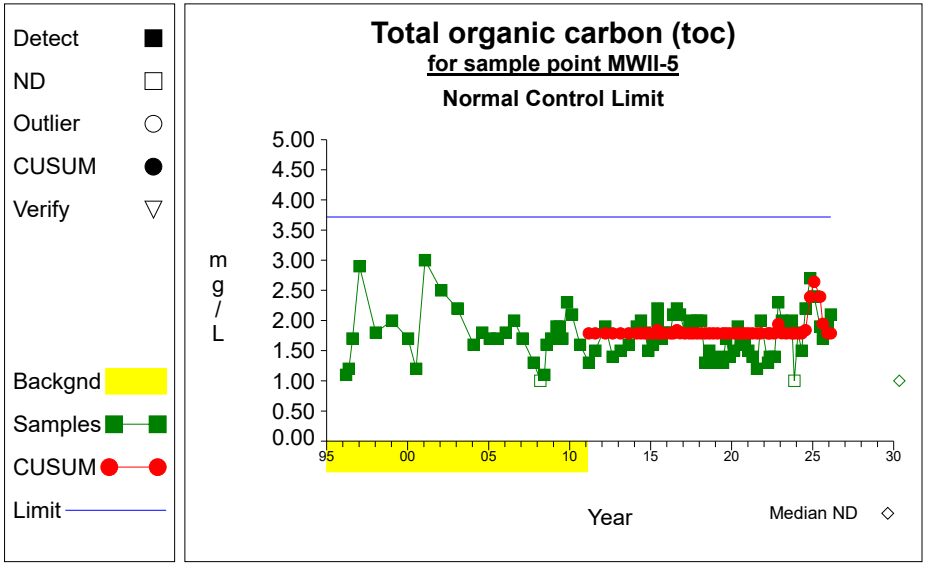


Graph 24

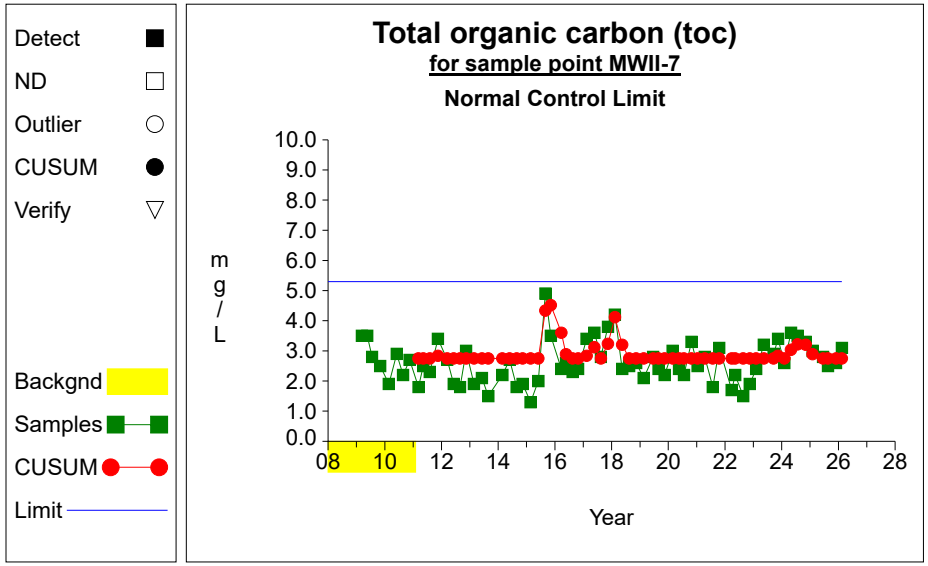
Intra-Well Control Charts / Prediction Limits



Graph 25



Graph 26



Graph 27

Table 1

Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts

Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Ammonia (as n)	mg/L	MWII-2	35	55	90	0.2593	0.2252	0.7800	0.1900	1.3084	0.7184	1.1600	normal		
Ammonia (as n)	mg/L	MWII-5	29	56	85	0.4383	0.3005	0.1000	0.1000	0.4383	0.4383	1.6404	normal		
Ammonia (as n)	mg/L	MWII-7	8	60	68	0.1063	0.0119	0.4400	0.1000	0.4419	0.1063	0.1597	normal		
Arsenic, dissolved	mg/L	MWII-2	18	55	73	0.0087	0.0030	0.0066	0.0057	0.0087	0.0087	0.0209	normal		
Arsenic, dissolved	mg/L	MWII-5	18	56	74	0.0295	0.0072	0.0140	0.0120	0.0295	0.0295	0.0584	normal		
Arsenic, dissolved	mg/L	MWII-7	8	60	68	0.0113	0.0015	0.0064	0.0052	0.0113	0.0113	0.0181	normal		
Arsenic, total	mg/L	MWII-2	30	51	81	0.0146	0.0063	0.0055	0.0060	0.0146	0.0146	0.0398	normal		
Arsenic, total	mg/L	MWII-5	23	51	75	0.0285	0.0112	0.0130	0.0120	0.0285	0.0285	0.0733	normal		
Arsenic, total	mg/L	MWII-7	5	55	60	0.0102	0.0008	0.0073	0.0050	0.0102	0.0102	0.0140	normal		
Chemical oxygen demand	mg/L	MWII-2	2	55	57										*
Chemical oxygen demand	mg/L	MWII-5	2	55	57										*
Chemical oxygen demand	mg/L	MWII-7	6	60	66	18.6667	4.3205	22.0000	20.0000	18.6667	18.6667	38.1089	normal		
Iron, dissolved	mg/L	MWII-2	18	55	73			0.1000	0.1000			0.2900	nonpar	.99	**
Iron, dissolved	mg/L	MWII-5	18	54	72	0.0597	0.0218	0.1000	0.1000	0.0597	0.0597	0.1469	normal		
Iron, dissolved	mg/L	MWII-7	8	60	68								nonpar *		**
Iron, total	mg/L	MWII-2	30	51	81	0.1094	0.1114	0.1000	0.1000	0.1094	0.1094	0.5551	normal		
Iron, total	mg/L	MWII-5	23	51	75	0.0636	0.0298	0.1000	0.1000	0.0636	0.0636	0.1830	normal		
Iron, total	mg/L	MWII-7	5	55	60								nonpar *		**
Manganese, dissolved	mg/L	MWII-2	13	55	68			0.0100	0.0100			0.0140	nonpar	.99	**
Manganese, dissolved	mg/L	MWII-5	13	56	69			0.0100	0.0100			0.0110	nonpar	.99	**
Manganese, dissolved	mg/L	MWII-7	8	60	68	0.0107	0.0016	0.3800	0.3500	0.3784	0.3484	0.0180	normal		
Manganese, total	mg/L	MWII-2	11	51	62								nonpar *		**
Manganese, total	mg/L	MWII-5	11	51	62								nonpar *		**
Manganese, total	mg/L	MWII-7	5	55	60	0.0112	0.0027	0.3900	0.3500	0.3874	0.3474	0.0233	normal		
Total organic carbon (toc)	mg/L	MWII-2	35	55	90	1.9314	0.6475	1.2000	1.6000	1.9314	1.9314	4.5215	normal		
Total organic carbon (toc)	mg/L	MWII-5	29	56	85	1.7862	0.4823	1.9000	2.1000	1.7862	1.7862	3.7156	normal		
Total organic carbon (toc)	mg/L	MWII-7	8	60	68	2.7500	0.5657	2.6000	3.1000	2.7500	2.7500	5.2956	normal		

N(back) and N(mon) = Non-outlier measurements in the background and monitoring periods.
N(tot) = All independent measurements for that constituent and well.
For transformed data, mean and SD in transformed units and control limit in original units.
Conf = confidence level for passing initial test or one verification resample (nonparametric test only).
* - Insufficient Data.
** - Detection Frequency < 25%.
*** - Zero Variance.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Ammonia (as n)	mg/L	MWII-2	03/12/1996	yes	0.0500	ND			0.1000	***
Ammonia (as n)	mg/L	MWII-2	05/14/1996	yes	0.0500	ND			0.1000	***
Ammonia (as n)	mg/L	MWII-2	08/06/1996	yes	0.0500	ND			0.1000	***
Ammonia (as n)	mg/L	MWII-2	01/14/1997	yes	0.0500	ND			0.1000	***
Ammonia (as n)	mg/L	MWII-2	07/08/1997	yes	0.1100					
Ammonia (as n)	mg/L	MWII-2	01/13/1998	yes	0.0500	ND			0.1000	***
Ammonia (as n)	mg/L	MWII-2	08/10/1998	yes	0.1200					
Ammonia (as n)	mg/L	MWII-2	01/11/1999	yes	0.1600					
Ammonia (as n)	mg/L	MWII-2	07/12/1999	yes	0.2200					
Ammonia (as n)	mg/L	MWII-2	01/10/2000	yes	0.1800					
Ammonia (as n)	mg/L	MWII-2	07/10/2000	yes	0.0500	ND			0.1000	***
Ammonia (as n)	mg/L	MWII-2	01/29/2001	yes	0.4600					
Ammonia (as n)	mg/L	MWII-2	08/06/2001	yes	0.6200					
Ammonia (as n)	mg/L	MWII-2	01/29/2002	yes	0.0970					
Ammonia (as n)	mg/L	MWII-2	08/05/2002	yes	0.4800					
Ammonia (as n)	mg/L	MWII-2	01/28/2003	yes	0.9200					
Ammonia (as n)	mg/L	MWII-2	08/04/2003	yes	0.5800					
Ammonia (as n)	mg/L	MWII-2	01/27/2004	yes	0.3500					
Ammonia (as n)	mg/L	MWII-2	08/09/2004	yes	0.6500					
Ammonia (as n)	mg/L	MWII-2	01/24/2005	yes	0.5200					
Ammonia (as n)	mg/L	MWII-2	07/18/2005	yes	0.7200					
Ammonia (as n)	mg/L	MWII-2	01/23/2006	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-2	07/25/2006	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-2	02/05/2007	yes	0.3400					
Ammonia (as n)	mg/L	MWII-2	10/16/2007	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-2	03/11/2008	yes	0.2600					
Ammonia (as n)	mg/L	MWII-2	06/10/2008	yes	0.3700					
Ammonia (as n)	mg/L	MWII-2	07/29/2008	yes	0.3400					
Ammonia (as n)	mg/L	MWII-2	11/10/2008	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-2	03/10/2009	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-2	05/18/2009	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-2	07/20/2009	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-2	11/02/2009	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-2	02/22/2010	yes	0.0780					
Ammonia (as n)	mg/L	MWII-2	08/23/2010	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-2	03/08/2011		0.1200			0.2593		
Ammonia (as n)	mg/L	MWII-2	08/02/2011		0.1400			0.2593		
Ammonia (as n)	mg/L	MWII-2	03/14/2012		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	08/27/2012		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	02/24/2013		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	08/26/2013		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	02/24/2014		0.1000	ND		0.2593		

* - Outlier for that well and constituent.
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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Ammonia (as n)	mg/L	MWII-2	05/27/2014		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	08/26/2014		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	11/11/2014		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	02/23/2015		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	05/31/2015		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	08/31/2015		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	11/09/2015		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	03/23/2016		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	05/23/2016		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	08/15/2016		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	10/26/2016		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	02/14/2017		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	05/23/2017		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	08/15/2017		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	11/14/2017		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	02/13/2018		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	05/15/2018		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	08/14/2018		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	11/13/2018		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	02/19/2019		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	06/19/2019		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	08/27/2019		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	11/13/2019		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	02/27/2020		0.0230			0.2593		
Ammonia (as n)	mg/L	MWII-2	05/17/2020		0.0220	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	07/19/2020		0.0220	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	10/26/2020		0.0220	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	01/12/2021		0.0260			0.2593		
Ammonia (as n)	mg/L	MWII-2	04/13/2021		0.0220	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	07/26/2021		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	10/19/2021		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	03/27/2022		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	05/09/2022		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	08/23/2022		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	11/16/2022		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	02/06/2023		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	05/14/2023		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	09/18/2023		0.2700			0.2593		
Ammonia (as n)	mg/L	MWII-2	11/14/2023		0.2400			0.2593		
Ammonia (as n)	mg/L	MWII-2	02/04/2024		0.4100			0.2593		
Ammonia (as n)	mg/L	MWII-2	04/29/2024		0.1000	ND		0.2593		
Ammonia (as n)	mg/L	MWII-2	07/23/2024		0.5200			0.3511		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Ammonia (as n)	mg/L	MWII-2	11/05/2024		0.5800			0.5029		
Ammonia (as n)	mg/L	MWII-2	02/02/2025		0.7100			0.7848		
Ammonia (as n)	mg/L	MWII-2	06/16/2025		0.6000			0.9566		
Ammonia (as n)	mg/L	MWII-2	08/18/2025		0.7300			1.2584		**
Ammonia (as n)	mg/L	MWII-2	12/01/2025		0.7800			1.3084		**
Ammonia (as n)	mg/L	MWII-2	02/15/2026		0.1900			0.7184		
Ammonia (as n)	mg/L	MWII-5	03/12/1996	yes	0.0500	ND				
Ammonia (as n)	mg/L	MWII-5	05/14/1996	yes	0.0730					
Ammonia (as n)	mg/L	MWII-5	08/06/1996	yes	0.0500	ND				
Ammonia (as n)	mg/L	MWII-5	01/14/1997	yes	0.0500	ND				
Ammonia (as n)	mg/L	MWII-5	01/13/1998	yes	0.0500	ND				
Ammonia (as n)	mg/L	MWII-5	01/11/1999	yes	0.1300					
Ammonia (as n)	mg/L	MWII-5	01/10/2000	yes	0.2500					
Ammonia (as n)	mg/L	MWII-5	07/10/2000	yes	0.1700					
Ammonia (as n)	mg/L	MWII-5	01/29/2001	yes	0.0100	ND			0.0500	***
Ammonia (as n)	mg/L	MWII-5	01/29/2002	yes	0.0170					
Ammonia (as n)	mg/L	MWII-5	01/28/2003	yes	0.9400					
Ammonia (as n)	mg/L	MWII-5	01/27/2004	yes	0.5000					
Ammonia (as n)	mg/L	MWII-5	08/09/2004	yes	0.8500					
Ammonia (as n)	mg/L	MWII-5	01/24/2005	yes	0.4600					
Ammonia (as n)	mg/L	MWII-5	07/18/2005	yes	0.8000					
Ammonia (as n)	mg/L	MWII-5	01/23/2006	yes	0.6800					
Ammonia (as n)	mg/L	MWII-5	07/26/2006	yes	0.7000					
Ammonia (as n)	mg/L	MWII-5	02/05/2007	yes	0.5200					
Ammonia (as n)	mg/L	MWII-5	10/16/2007	yes	0.6900					
Ammonia (as n)	mg/L	MWII-5	03/11/2008	yes	0.7300					
Ammonia (as n)	mg/L	MWII-5	06/10/2008	yes	0.5700					
Ammonia (as n)	mg/L	MWII-5	07/29/2008	yes	0.6300					
Ammonia (as n)	mg/L	MWII-5	11/10/2008	yes	0.8000					
Ammonia (as n)	mg/L	MWII-5	03/09/2009	yes	0.6800					
Ammonia (as n)	mg/L	MWII-5	05/18/2009	yes	0.6400					
Ammonia (as n)	mg/L	MWII-5	07/20/2009	yes	0.6800					
Ammonia (as n)	mg/L	MWII-5	11/02/2009	yes	0.4500					
Ammonia (as n)	mg/L	MWII-5	02/22/2010	yes	0.3200					
Ammonia (as n)	mg/L	MWII-5	08/23/2010	yes	0.1800					
Ammonia (as n)	mg/L	MWII-5	03/08/2011		0.3800			0.4383		
Ammonia (as n)	mg/L	MWII-5	08/02/2011		0.7300			0.5046		
Ammonia (as n)	mg/L	MWII-5	03/14/2012		0.5700			0.4383		
Ammonia (as n)	mg/L	MWII-5	08/27/2012		0.3700			0.4383		
Ammonia (as n)	mg/L	MWII-5	02/24/2013		0.6600			0.4383		
Ammonia (as n)	mg/L	MWII-5	08/26/2013		0.6100			0.4383		
Ammonia (as n)	mg/L	MWII-5	02/24/2014		0.3300			0.4383		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Ammonia (as n)	mg/L	MWII-5	05/27/2014		0.1600			0.4383		
Ammonia (as n)	mg/L	MWII-5	08/26/2014		0.1500			0.4383		
Ammonia (as n)	mg/L	MWII-5	11/11/2014		0.1400			0.4383		
Ammonia (as n)	mg/L	MWII-5	02/23/2015		0.3900			0.4383		
Ammonia (as n)	mg/L	MWII-5	05/31/2015		0.5100			0.4383		
Ammonia (as n)	mg/L	MWII-5	06/01/2015		0.6100			0.4383		
Ammonia (as n)	mg/L	MWII-5	08/31/2015		0.5500			0.4383		
Ammonia (as n)	mg/L	MWII-5	11/09/2015		0.4900			0.4383		
Ammonia (as n)	mg/L	MWII-5	03/17/2016		0.6200			0.4383		
Ammonia (as n)	mg/L	MWII-5	05/23/2016		0.6700			0.4446		
Ammonia (as n)	mg/L	MWII-5	08/15/2016		0.6200			0.4383		
Ammonia (as n)	mg/L	MWII-5	10/26/2016		0.5600			0.4383		
Ammonia (as n)	mg/L	MWII-5	02/14/2017		0.3800			0.4383		
Ammonia (as n)	mg/L	MWII-5	05/23/2017		0.4500			0.4383		
Ammonia (as n)	mg/L	MWII-5	08/15/2017		0.3200			0.4383		
Ammonia (as n)	mg/L	MWII-5	11/14/2017		0.3200			0.4383		
Ammonia (as n)	mg/L	MWII-5	02/13/2018		0.2700			0.4383		
Ammonia (as n)	mg/L	MWII-5	05/15/2018		0.2600			0.4383		
Ammonia (as n)	mg/L	MWII-5	08/14/2018		0.2600			0.4383		
Ammonia (as n)	mg/L	MWII-5	11/13/2018		0.1700			0.4383		
Ammonia (as n)	mg/L	MWII-5	02/19/2019		0.1300			0.4383		
Ammonia (as n)	mg/L	MWII-5	06/19/2019		0.2100			0.4383		
Ammonia (as n)	mg/L	MWII-5	08/27/2019		0.1300			0.4383		
Ammonia (as n)	mg/L	MWII-5	11/12/2019		0.1100			0.4383		
Ammonia (as n)	mg/L	MWII-5	02/26/2020		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	05/17/2020		0.1200			0.4383		
Ammonia (as n)	mg/L	MWII-5	07/19/2020		0.0690			0.4383		
Ammonia (as n)	mg/L	MWII-5	10/26/2020		0.0300			0.4383		
Ammonia (as n)	mg/L	MWII-5	01/12/2021		0.0300			0.4383		
Ammonia (as n)	mg/L	MWII-5	04/13/2021		0.1000			0.4383		
Ammonia (as n)	mg/L	MWII-5	07/26/2021		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	10/18/2021		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	03/27/2022		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	05/09/2022		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	08/23/2022		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	11/16/2022		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	02/07/2023		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	05/14/2023		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	09/18/2023		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	11/13/2023		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	02/04/2024		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	04/29/2024		0.1000	ND		0.4383		

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Ammonia (as n)	mg/L	MWII-5	07/23/2024		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	11/05/2024		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	02/02/2025		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	06/16/2025		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	08/18/2025		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	12/01/2025		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-5	02/15/2026		0.1000	ND		0.4383		
Ammonia (as n)	mg/L	MWII-7	03/10/2009	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-7	05/18/2009	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-7	07/20/2009	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-7	11/02/2009	yes	0.1200					
Ammonia (as n)	mg/L	MWII-7	02/22/2010	yes	0.1300					
Ammonia (as n)	mg/L	MWII-7	06/01/2010	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-7	08/23/2010	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-7	11/16/2010	yes	0.1000	ND				
Ammonia (as n)	mg/L	MWII-7	03/08/2011		0.1000	ND		0.1063		
Ammonia (as n)	mg/L	MWII-7	05/10/2011		0.1000	ND		0.1063		
Ammonia (as n)	mg/L	MWII-7	08/02/2011		0.3400			0.3281		**
Ammonia (as n)	mg/L	MWII-7	11/16/2011		3.7000			3.6881		**
Ammonia (as n)	mg/L	MWII-7	03/14/2012		7.2000			7.1881		**
Ammonia (as n)	mg/L	MWII-7	06/05/2012		0.3400			0.3281		**
Ammonia (as n)	mg/L	MWII-7	08/27/2012		0.1300			0.1181		
Ammonia (as n)	mg/L	MWII-7	11/13/2012		1.6000			1.6000		**
Ammonia (as n)	mg/L	MWII-7	02/24/2013		0.4700			0.4700		**
Ammonia (as n)	mg/L	MWII-7	06/04/2013		0.1000	ND		0.1063		
Ammonia (as n)	mg/L	MWII-7	08/26/2013		0.1800			0.1681		**
Ammonia (as n)	mg/L	MWII-7	02/24/2014		0.1000	ND		0.1063		
Ammonia (as n)	mg/L	MWII-7	05/27/2014		0.1000	ND		0.1063		
Ammonia (as n)	mg/L	MWII-7	08/26/2014		0.1000	ND		0.1063		
Ammonia (as n)	mg/L	MWII-7	11/11/2014		0.3200			0.3081		**
Ammonia (as n)	mg/L	MWII-7	02/23/2015		0.2800			0.2681		**
Ammonia (as n)	mg/L	MWII-7	05/31/2015		0.8300			0.8181		**
Ammonia (as n)	mg/L	MWII-7	08/31/2015		1.8000			1.7881		**
Ammonia (as n)	mg/L	MWII-7	11/09/2015		1.5000			1.4881		**
Ammonia (as n)	mg/L	MWII-7	03/23/2016		0.8700			0.8581		**
Ammonia (as n)	mg/L	MWII-7	05/23/2016		1.1000			1.0881		**
Ammonia (as n)	mg/L	MWII-7	08/15/2016		1.3000			1.2881		**
Ammonia (as n)	mg/L	MWII-7	10/26/2016		0.9800			0.9681		**
Ammonia (as n)	mg/L	MWII-7	02/14/2017		1.0000			0.9881		**
Ammonia (as n)	mg/L	MWII-7	05/23/2017		2.1000			2.0881		**
Ammonia (as n)	mg/L	MWII-7	08/15/2017		1.4000			1.3881		**
Ammonia (as n)	mg/L	MWII-7	11/14/2017		1.7000			1.6881		**

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Ammonia (as n)	mg/L	MWII-7	02/13/2018		1.5000			1.4881		**
Ammonia (as n)	mg/L	MWII-7	05/15/2018		1.0000			0.9881		**
Ammonia (as n)	mg/L	MWII-7	08/14/2018		0.9100			0.8981		**
Ammonia (as n)	mg/L	MWII-7	11/13/2018		0.8300			0.8181		**
Ammonia (as n)	mg/L	MWII-7	02/19/2019		0.6300			0.6181		**
Ammonia (as n)	mg/L	MWII-7	06/19/2019		0.4700			0.4581		**
Ammonia (as n)	mg/L	MWII-7	08/27/2019		0.3400			0.3281		**
Ammonia (as n)	mg/L	MWII-7	11/13/2019		0.2800			0.2681		**
Ammonia (as n)	mg/L	MWII-7	02/27/2020		0.2400			0.2281		**
Ammonia (as n)	mg/L	MWII-7	05/17/2020		0.1800			0.1681		**
Ammonia (as n)	mg/L	MWII-7	07/19/2020		0.0870			0.1063		
Ammonia (as n)	mg/L	MWII-7	10/26/2020		0.3200			0.3081		**
Ammonia (as n)	mg/L	MWII-7	01/12/2021		0.2300			0.2181		**
Ammonia (as n)	mg/L	MWII-7	04/13/2021		0.1200			0.1081		
Ammonia (as n)	mg/L	MWII-7	07/26/2021		0.1400			0.1300		
Ammonia (as n)	mg/L	MWII-7	10/18/2021		0.8100			0.8219		**
Ammonia (as n)	mg/L	MWII-7	03/27/2022		0.1700			0.1819		**
Ammonia (as n)	mg/L	MWII-7	05/09/2022		0.3900			0.4019		**
Ammonia (as n)	mg/L	MWII-7	08/23/2022		0.1900			0.2019		**
Ammonia (as n)	mg/L	MWII-7	11/16/2022		0.2100			0.2219		**
Ammonia (as n)	mg/L	MWII-7	02/06/2023		0.2200			0.2319		**
Ammonia (as n)	mg/L	MWII-7	05/14/2023		0.1700			0.1819		**
Ammonia (as n)	mg/L	MWII-7	09/18/2023		0.1700			0.1819		**
Ammonia (as n)	mg/L	MWII-7	11/14/2023		0.1500			0.1619		**
Ammonia (as n)	mg/L	MWII-7	02/04/2024		0.1400			0.1519		
Ammonia (as n)	mg/L	MWII-7	04/29/2024		0.2300			0.2637		**
Ammonia (as n)	mg/L	MWII-7	07/23/2024		0.1000	ND		0.1063		
Ammonia (as n)	mg/L	MWII-7	11/05/2024		0.1300			0.1181		
Ammonia (as n)	mg/L	MWII-7	02/02/2025		0.1200			0.1200		
Ammonia (as n)	mg/L	MWII-7	06/16/2025		0.2900			0.2919		**
Ammonia (as n)	mg/L	MWII-7	08/18/2025		0.3100			0.3119		**
Ammonia (as n)	mg/L	MWII-7	12/01/2025		0.4400			0.4419		**
Ammonia (as n)	mg/L	MWII-7	02/15/2026		0.1000	ND		0.1063		
Arsenic, dissolved	mg/L	MWII-2	01/10/2000	yes	0.0200	ND				
Arsenic, dissolved	mg/L	MWII-2	08/09/2004	yes	0.0099					
Arsenic, dissolved	mg/L	MWII-2	01/24/2005	yes	0.0096					
Arsenic, dissolved	mg/L	MWII-2	07/18/2005	yes	0.0084					
Arsenic, dissolved	mg/L	MWII-2	01/23/2006	yes	0.0063					
Arsenic, dissolved	mg/L	MWII-2	07/25/2006	yes	0.0100					
Arsenic, dissolved	mg/L	MWII-2	02/05/2007	yes	0.0067					
Arsenic, dissolved	mg/L	MWII-2	10/16/2007	yes	0.0083					
Arsenic, dissolved	mg/L	MWII-2	03/11/2008	yes	0.0094					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, dissolved	mg/L	MWII-2	06/10/2008	yes	0.0088					
Arsenic, dissolved	mg/L	MWII-2	07/29/2008	yes	0.0074					
Arsenic, dissolved	mg/L	MWII-2	11/10/2008	yes	0.0075					
Arsenic, dissolved	mg/L	MWII-2	03/10/2009	yes	0.0068					
Arsenic, dissolved	mg/L	MWII-2	05/18/2009	yes	0.0088					
Arsenic, dissolved	mg/L	MWII-2	07/20/2009	yes	0.0074					
Arsenic, dissolved	mg/L	MWII-2	11/02/2009	yes	0.0069					
Arsenic, dissolved	mg/L	MWII-2	02/22/2010	yes	0.0072					
Arsenic, dissolved	mg/L	MWII-2	08/23/2010	yes	0.0078					
Arsenic, dissolved	mg/L	MWII-2	03/08/2011		0.0072			0.0087		
Arsenic, dissolved	mg/L	MWII-2	08/02/2011		0.0065			0.0087		
Arsenic, dissolved	mg/L	MWII-2	03/14/2012		0.0051			0.0087		
Arsenic, dissolved	mg/L	MWII-2	08/27/2012		0.0063			0.0087		
Arsenic, dissolved	mg/L	MWII-2	02/24/2013		0.0069			0.0087		
Arsenic, dissolved	mg/L	MWII-2	08/26/2013		0.0069			0.0087		
Arsenic, dissolved	mg/L	MWII-2	02/24/2014		0.0066			0.0087		
Arsenic, dissolved	mg/L	MWII-2	05/27/2014		0.0069			0.0087		
Arsenic, dissolved	mg/L	MWII-2	08/26/2014		0.0068			0.0087		
Arsenic, dissolved	mg/L	MWII-2	11/11/2014		0.0074			0.0087		
Arsenic, dissolved	mg/L	MWII-2	02/23/2015		0.0077			0.0087		
Arsenic, dissolved	mg/L	MWII-2	05/31/2015		0.0073			0.0087		
Arsenic, dissolved	mg/L	MWII-2	08/31/2015		0.0080			0.0087		
Arsenic, dissolved	mg/L	MWII-2	11/09/2015		0.0072			0.0087		
Arsenic, dissolved	mg/L	MWII-2	03/23/2016		0.0070			0.0087		
Arsenic, dissolved	mg/L	MWII-2	05/23/2016		0.0071			0.0087		
Arsenic, dissolved	mg/L	MWII-2	08/15/2016		0.0068			0.0087		
Arsenic, dissolved	mg/L	MWII-2	10/26/2016		0.0067			0.0087		
Arsenic, dissolved	mg/L	MWII-2	02/14/2017		0.0063			0.0087		
Arsenic, dissolved	mg/L	MWII-2	05/23/2017		0.0064			0.0087		
Arsenic, dissolved	mg/L	MWII-2	08/15/2017		0.0062			0.0087		
Arsenic, dissolved	mg/L	MWII-2	11/14/2017		0.0061			0.0087		
Arsenic, dissolved	mg/L	MWII-2	02/13/2018		0.0062			0.0087		
Arsenic, dissolved	mg/L	MWII-2	05/15/2018		0.0056			0.0087		
Arsenic, dissolved	mg/L	MWII-2	08/14/2018		0.0071			0.0087		
Arsenic, dissolved	mg/L	MWII-2	11/13/2018		0.0064			0.0087		
Arsenic, dissolved	mg/L	MWII-2	02/19/2019		0.0065			0.0087		
Arsenic, dissolved	mg/L	MWII-2	06/19/2019		0.0060			0.0087		
Arsenic, dissolved	mg/L	MWII-2	08/27/2019		0.0059			0.0087		
Arsenic, dissolved	mg/L	MWII-2	11/13/2019		0.0062			0.0087		
Arsenic, dissolved	mg/L	MWII-2	02/27/2020		0.0066			0.0087		
Arsenic, dissolved	mg/L	MWII-2	05/17/2020		0.0065			0.0087		
Arsenic, dissolved	mg/L	MWII-2	07/19/2020		0.0064			0.0087		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, dissolved	mg/L	MWII-2	10/26/2020		0.0068			0.0087		
Arsenic, dissolved	mg/L	MWII-2	01/12/2021		0.0059			0.0087		
Arsenic, dissolved	mg/L	MWII-2	04/13/2021		0.0060			0.0087		
Arsenic, dissolved	mg/L	MWII-2	07/26/2021		0.0062			0.0087		
Arsenic, dissolved	mg/L	MWII-2	10/19/2021		0.0051			0.0087		
Arsenic, dissolved	mg/L	MWII-2	03/27/2022		0.0065			0.0087		
Arsenic, dissolved	mg/L	MWII-2	05/09/2022		0.0061			0.0087		
Arsenic, dissolved	mg/L	MWII-2	08/23/2022		0.0072			0.0087		
Arsenic, dissolved	mg/L	MWII-2	11/16/2022		0.0063			0.0087		
Arsenic, dissolved	mg/L	MWII-2	02/06/2023		0.0067			0.0087		
Arsenic, dissolved	mg/L	MWII-2	05/14/2023		0.0065			0.0087		
Arsenic, dissolved	mg/L	MWII-2	09/18/2023		0.0056			0.0087		
Arsenic, dissolved	mg/L	MWII-2	11/14/2023		0.0061			0.0087		
Arsenic, dissolved	mg/L	MWII-2	02/04/2024		0.0067			0.0087		
Arsenic, dissolved	mg/L	MWII-2	04/29/2024		0.0050	ND		0.0087		
Arsenic, dissolved	mg/L	MWII-2	07/23/2024		0.0065			0.0087		
Arsenic, dissolved	mg/L	MWII-2	11/05/2024		0.0066			0.0087		
Arsenic, dissolved	mg/L	MWII-2	02/02/2025		0.0066			0.0087		
Arsenic, dissolved	mg/L	MWII-2	06/16/2025		0.0049			0.0087		
Arsenic, dissolved	mg/L	MWII-2	08/18/2025		0.0061			0.0087		
Arsenic, dissolved	mg/L	MWII-2	12/01/2025		0.0066			0.0087		
Arsenic, dissolved	mg/L	MWII-2	02/15/2026		0.0057			0.0087		
Arsenic, dissolved	mg/L	MWII-5	01/10/2000	yes	0.0200	ND				
Arsenic, dissolved	mg/L	MWII-5	08/09/2004	yes	0.0400					
Arsenic, dissolved	mg/L	MWII-5	01/24/2005	yes	0.0320					
Arsenic, dissolved	mg/L	MWII-5	07/18/2005	yes	0.0380					
Arsenic, dissolved	mg/L	MWII-5	01/23/2006	yes	0.0420					
Arsenic, dissolved	mg/L	MWII-5	07/26/2006	yes	0.0240					
Arsenic, dissolved	mg/L	MWII-5	02/05/2007	yes	0.0300					
Arsenic, dissolved	mg/L	MWII-5	10/16/2007	yes	0.0450					
Arsenic, dissolved	mg/L	MWII-5	03/11/2008	yes	0.0250					
Arsenic, dissolved	mg/L	MWII-5	06/10/2008	yes	0.0260					
Arsenic, dissolved	mg/L	MWII-5	07/29/2008	yes	0.0280					
Arsenic, dissolved	mg/L	MWII-5	11/10/2008	yes	0.0300					
Arsenic, dissolved	mg/L	MWII-5	03/09/2009	yes	0.0210					
Arsenic, dissolved	mg/L	MWII-5	05/18/2009	yes	0.0240					
Arsenic, dissolved	mg/L	MWII-5	07/20/2009	yes	0.0260					
Arsenic, dissolved	mg/L	MWII-5	11/02/2009	yes	0.0270					
Arsenic, dissolved	mg/L	MWII-5	02/22/2010	yes	0.0250					
Arsenic, dissolved	mg/L	MWII-5	08/23/2010	yes	0.0280					
Arsenic, dissolved	mg/L	MWII-5	03/08/2011		0.0230			0.0295		
Arsenic, dissolved	mg/L	MWII-5	08/02/2011		0.0210			0.0295		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, dissolved	mg/L	MWII-5	03/14/2012		0.0180			0.0295		
Arsenic, dissolved	mg/L	MWII-5	08/27/2012		0.0230			0.0295		
Arsenic, dissolved	mg/L	MWII-5	02/24/2013		0.0190			0.0295		
Arsenic, dissolved	mg/L	MWII-5	08/26/2013		0.0240			0.0295		
Arsenic, dissolved	mg/L	MWII-5	02/24/2014		0.0190			0.0295		
Arsenic, dissolved	mg/L	MWII-5	05/27/2014		0.0240			0.0295		
Arsenic, dissolved	mg/L	MWII-5	08/26/2014		0.0210			0.0295		
Arsenic, dissolved	mg/L	MWII-5	11/11/2014		0.0190			0.0295		
Arsenic, dissolved	mg/L	MWII-5	02/23/2015		0.0150			0.0295		
Arsenic, dissolved	mg/L	MWII-5	05/31/2015		0.0170			0.0295		
Arsenic, dissolved	mg/L	MWII-5	06/01/2015		0.0170			0.0295		
Arsenic, dissolved	mg/L	MWII-5	08/31/2015		0.0200			0.0295		
Arsenic, dissolved	mg/L	MWII-5	11/09/2015		0.0190			0.0295		
Arsenic, dissolved	mg/L	MWII-5	03/17/2016		0.0079			0.0295		
Arsenic, dissolved	mg/L	MWII-5	05/23/2016		0.0160			0.0295		
Arsenic, dissolved	mg/L	MWII-5	08/15/2016		0.0170			0.0295		
Arsenic, dissolved	mg/L	MWII-5	10/26/2016		0.0170			0.0295		
Arsenic, dissolved	mg/L	MWII-5	02/14/2017		0.0170			0.0295		
Arsenic, dissolved	mg/L	MWII-5	05/23/2017		0.0160			0.0295		
Arsenic, dissolved	mg/L	MWII-5	08/15/2017		0.0150			0.0295		
Arsenic, dissolved	mg/L	MWII-5	11/14/2017		0.0160			0.0295		
Arsenic, dissolved	mg/L	MWII-5	02/13/2018		0.0170			0.0295		
Arsenic, dissolved	mg/L	MWII-5	05/15/2018		0.0140			0.0295		
Arsenic, dissolved	mg/L	MWII-5	08/14/2018		0.0150			0.0295		
Arsenic, dissolved	mg/L	MWII-5	11/13/2018		0.0140			0.0295		
Arsenic, dissolved	mg/L	MWII-5	02/19/2019		0.0150			0.0295		
Arsenic, dissolved	mg/L	MWII-5	06/19/2019		0.0170			0.0295		
Arsenic, dissolved	mg/L	MWII-5	08/27/2019		0.0170			0.0295		
Arsenic, dissolved	mg/L	MWII-5	11/12/2019		0.0160			0.0295		
Arsenic, dissolved	mg/L	MWII-5	02/26/2020		0.0130			0.0295		
Arsenic, dissolved	mg/L	MWII-5	05/17/2020		0.0120			0.0295		
Arsenic, dissolved	mg/L	MWII-5	07/19/2020		0.0110			0.0295		
Arsenic, dissolved	mg/L	MWII-5	10/26/2020		0.0130			0.0295		
Arsenic, dissolved	mg/L	MWII-5	01/12/2021		0.0110			0.0295		
Arsenic, dissolved	mg/L	MWII-5	04/13/2021		0.0110			0.0295		
Arsenic, dissolved	mg/L	MWII-5	07/26/2021		0.0110			0.0295		
Arsenic, dissolved	mg/L	MWII-5	10/18/2021		0.0120			0.0295		
Arsenic, dissolved	mg/L	MWII-5	03/27/2022		0.0120			0.0295		
Arsenic, dissolved	mg/L	MWII-5	05/09/2022		0.0120			0.0295		
Arsenic, dissolved	mg/L	MWII-5	08/23/2022		0.0140			0.0295		
Arsenic, dissolved	mg/L	MWII-5	11/16/2022		0.0120			0.0295		
Arsenic, dissolved	mg/L	MWII-5	02/07/2023		0.0130			0.0295		

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Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, dissolved	mg/L	MWII-5	05/14/2023		0.0130			0.0295		
Arsenic, dissolved	mg/L	MWII-5	09/18/2023		0.0130			0.0295		
Arsenic, dissolved	mg/L	MWII-5	11/13/2023		0.0130			0.0295		
Arsenic, dissolved	mg/L	MWII-5	02/04/2024		0.0120			0.0295		
Arsenic, dissolved	mg/L	MWII-5	04/29/2024		0.0120			0.0295		
Arsenic, dissolved	mg/L	MWII-5	07/23/2024		0.0110			0.0295		
Arsenic, dissolved	mg/L	MWII-5	11/05/2024		0.0130			0.0295		
Arsenic, dissolved	mg/L	MWII-5	02/02/2025		0.0130			0.0295		
Arsenic, dissolved	mg/L	MWII-5	06/16/2025		0.0100			0.0295		
Arsenic, dissolved	mg/L	MWII-5	08/18/2025		0.0130			0.0295		
Arsenic, dissolved	mg/L	MWII-5	12/01/2025		0.0140			0.0295		
Arsenic, dissolved	mg/L	MWII-5	02/15/2026		0.0120			0.0295		
Arsenic, dissolved	mg/L	MWII-7	03/10/2009	yes	0.0110					
Arsenic, dissolved	mg/L	MWII-7	05/18/2009	yes	0.0110					
Arsenic, dissolved	mg/L	MWII-7	07/20/2009	yes	0.0096					
Arsenic, dissolved	mg/L	MWII-7	11/02/2009	yes	0.0099					
Arsenic, dissolved	mg/L	MWII-7	02/22/2010	yes	0.0097					
Arsenic, dissolved	mg/L	MWII-7	06/01/2010	yes	0.0130					
Arsenic, dissolved	mg/L	MWII-7	08/23/2010	yes	0.0130					
Arsenic, dissolved	mg/L	MWII-7	11/16/2010	yes	0.0130					
Arsenic, dissolved	mg/L	MWII-7	03/08/2011		0.0094			0.0113		
Arsenic, dissolved	mg/L	MWII-7	05/10/2011		0.0075			0.0113		
Arsenic, dissolved	mg/L	MWII-7	08/02/2011		0.0110			0.0113		
Arsenic, dissolved	mg/L	MWII-7	11/16/2011		0.0190			0.0175		**
Arsenic, dissolved	mg/L	MWII-7	03/14/2012		0.0170			0.0217		**
Arsenic, dissolved	mg/L	MWII-7	06/05/2012		0.0120			0.0167		
Arsenic, dissolved	mg/L	MWII-7	08/27/2012		0.0120			0.0159		
Arsenic, dissolved	mg/L	MWII-7	11/13/2012		0.0160			0.0191		**
Arsenic, dissolved	mg/L	MWII-7	02/24/2013		0.0230			0.0261		**
Arsenic, dissolved	mg/L	MWII-7	06/04/2013		0.0120			0.0151		
Arsenic, dissolved	mg/L	MWII-7	08/26/2013		0.0120			0.0143		
Arsenic, dissolved	mg/L	MWII-7	02/24/2014		0.0081			0.0113		
Arsenic, dissolved	mg/L	MWII-7	05/27/2014		0.0070			0.0113		
Arsenic, dissolved	mg/L	MWII-7	08/26/2014		0.0110			0.0113		
Arsenic, dissolved	mg/L	MWII-7	11/11/2014		0.0110			0.0113		
Arsenic, dissolved	mg/L	MWII-7	02/23/2015		0.0140			0.0125		
Arsenic, dissolved	mg/L	MWII-7	05/31/2015		0.0130			0.0127		
Arsenic, dissolved	mg/L	MWII-7	08/31/2015		0.0150			0.0149		
Arsenic, dissolved	mg/L	MWII-7	11/09/2015		0.0310			0.0331		**
Arsenic, dissolved	mg/L	MWII-7	03/23/2016		0.0270			0.0291		**
Arsenic, dissolved	mg/L	MWII-7	05/23/2016		0.0200			0.0221		**
Arsenic, dissolved	mg/L	MWII-7	08/15/2016		0.0280			0.0301		**

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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, dissolved	mg/L	MWII-7	10/26/2016		0.0300			0.0321		**
Arsenic, dissolved	mg/L	MWII-7	02/14/2017		0.0110			0.0131		
Arsenic, dissolved	mg/L	MWII-7	05/23/2017		0.0220			0.0223		**
Arsenic, dissolved	mg/L	MWII-7	08/15/2017		0.0230			0.0233		**
Arsenic, dissolved	mg/L	MWII-7	11/14/2017		0.0170			0.0173		
Arsenic, dissolved	mg/L	MWII-7	02/13/2018		0.0220			0.0265		**
Arsenic, dissolved	mg/L	MWII-7	05/15/2018		0.0200			0.0245		**
Arsenic, dissolved	mg/L	MWII-7	08/14/2018		0.0200			0.0245		**
Arsenic, dissolved	mg/L	MWII-7	11/13/2018		0.0190			0.0235		**
Arsenic, dissolved	mg/L	MWII-7	02/19/2019		0.0190			0.0235		**
Arsenic, dissolved	mg/L	MWII-7	06/19/2019		0.0200			0.0245		**
Arsenic, dissolved	mg/L	MWII-7	08/27/2019		0.0180			0.0225		**
Arsenic, dissolved	mg/L	MWII-7	11/13/2019		0.0170			0.0215		**
Arsenic, dissolved	mg/L	MWII-7	02/27/2020		0.0160			0.0205		**
Arsenic, dissolved	mg/L	MWII-7	05/17/2020		0.0150			0.0195		**
Arsenic, dissolved	mg/L	MWII-7	07/19/2020		0.0150			0.0195		**
Arsenic, dissolved	mg/L	MWII-7	10/26/2020		0.0150			0.0195		**
Arsenic, dissolved	mg/L	MWII-7	01/12/2021		0.0130			0.0175		
Arsenic, dissolved	mg/L	MWII-7	04/13/2021		0.0130			0.0177		
Arsenic, dissolved	mg/L	MWII-7	07/26/2021		0.0110			0.0159		
Arsenic, dissolved	mg/L	MWII-7	10/18/2021		0.0120			0.0151		
Arsenic, dissolved	mg/L	MWII-7	03/27/2022		0.0120			0.0143		
Arsenic, dissolved	mg/L	MWII-7	05/09/2022		0.0099			0.0114		
Arsenic, dissolved	mg/L	MWII-7	08/23/2022		0.0120			0.0113		
Arsenic, dissolved	mg/L	MWII-7	11/16/2022		0.0110			0.0113		
Arsenic, dissolved	mg/L	MWII-7	02/06/2023		0.0110			0.0113		
Arsenic, dissolved	mg/L	MWII-7	05/14/2023		0.0079			0.0113		
Arsenic, dissolved	mg/L	MWII-7	09/18/2023		0.0080			0.0113		
Arsenic, dissolved	mg/L	MWII-7	11/14/2023		0.0076			0.0113		
Arsenic, dissolved	mg/L	MWII-7	02/04/2024		0.0074			0.0113		
Arsenic, dissolved	mg/L	MWII-7	04/29/2024		0.0050	ND		0.0113		
Arsenic, dissolved	mg/L	MWII-7	07/23/2024		0.0050	ND		0.0113		
Arsenic, dissolved	mg/L	MWII-7	11/05/2024		0.0056			0.0113		
Arsenic, dissolved	mg/L	MWII-7	02/02/2025		0.0054			0.0113		
Arsenic, dissolved	mg/L	MWII-7	06/16/2025		0.0062			0.0113		
Arsenic, dissolved	mg/L	MWII-7	08/18/2025		0.0064			0.0113		
Arsenic, dissolved	mg/L	MWII-7	12/01/2025		0.0064			0.0113		
Arsenic, dissolved	mg/L	MWII-7	02/15/2026		0.0052			0.0113		
Arsenic, total	mg/L	MWII-2	03/12/1996	yes	0.0060					
Arsenic, total	mg/L	MWII-2	05/14/1996	yes	0.0500	ND			0.0200	***
Arsenic, total	mg/L	MWII-2	08/06/1996	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	01/14/1997	yes	0.0200	ND				

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, total	mg/L	MWII-2	07/08/1997	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	01/13/1998	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	08/10/1998	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	01/11/1999	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	07/12/1999	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	01/10/2000	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	07/10/2000	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	01/29/2001	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	08/06/2001	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	01/29/2002	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	08/05/2002	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	01/28/2003	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	08/04/2003	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	01/27/2004	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-2	01/23/2006	yes	0.0069					
Arsenic, total	mg/L	MWII-2	07/25/2006	yes	0.0083					
Arsenic, total	mg/L	MWII-2	02/05/2007	yes	0.0079					
Arsenic, total	mg/L	MWII-2	10/16/2007	yes	0.0078					
Arsenic, total	mg/L	MWII-2	06/10/2008	yes	0.0086					
Arsenic, total	mg/L	MWII-2	07/29/2008	yes	0.0075					
Arsenic, total	mg/L	MWII-2	11/10/2008	yes	0.0080					
Arsenic, total	mg/L	MWII-2	03/10/2009	yes	0.0068					
Arsenic, total	mg/L	MWII-2	05/18/2009	yes	0.0069					
Arsenic, total	mg/L	MWII-2	07/20/2009	yes	0.0094					
Arsenic, total	mg/L	MWII-2	11/02/2009	yes	0.0067					
Arsenic, total	mg/L	MWII-2	02/22/2010	yes	0.0075					
Arsenic, total	mg/L	MWII-2	02/24/2013		0.0072			0.0146		
Arsenic, total	mg/L	MWII-2	08/26/2013		0.0064			0.0146		
Arsenic, total	mg/L	MWII-2	02/24/2014		0.0070			0.0146		
Arsenic, total	mg/L	MWII-2	05/27/2014		0.0072			0.0146		
Arsenic, total	mg/L	MWII-2	08/26/2014		0.0066			0.0146		
Arsenic, total	mg/L	MWII-2	11/11/2014		0.0069			0.0146		
Arsenic, total	mg/L	MWII-2	02/23/2015		0.0070			0.0146		
Arsenic, total	mg/L	MWII-2	05/31/2015		0.0071			0.0146		
Arsenic, total	mg/L	MWII-2	08/31/2015		0.0070			0.0146		
Arsenic, total	mg/L	MWII-2	11/09/2015		0.0065			0.0146		
Arsenic, total	mg/L	MWII-2	03/23/2016		0.0068			0.0146		
Arsenic, total	mg/L	MWII-2	05/23/2016		0.0065			0.0146		
Arsenic, total	mg/L	MWII-2	08/15/2016		0.0077			0.0146		
Arsenic, total	mg/L	MWII-2	10/26/2016		0.0073			0.0146		
Arsenic, total	mg/L	MWII-2	02/14/2017		0.0066			0.0146		
Arsenic, total	mg/L	MWII-2	05/23/2017		0.0066			0.0146		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, total	mg/L	MWII-2	08/15/2017		0.0060			0.0146		
Arsenic, total	mg/L	MWII-2	11/14/2017		0.0063			0.0146		
Arsenic, total	mg/L	MWII-2	02/13/2018		0.0064			0.0146		
Arsenic, total	mg/L	MWII-2	05/15/2018		0.0060			0.0146		
Arsenic, total	mg/L	MWII-2	08/14/2018		0.0069			0.0146		
Arsenic, total	mg/L	MWII-2	11/13/2018		0.0065			0.0146		
Arsenic, total	mg/L	MWII-2	02/19/2019		0.0067			0.0146		
Arsenic, total	mg/L	MWII-2	06/19/2019		0.0062			0.0146		
Arsenic, total	mg/L	MWII-2	08/27/2019		0.0068			0.0146		
Arsenic, total	mg/L	MWII-2	11/13/2019		0.0064			0.0146		
Arsenic, total	mg/L	MWII-2	02/27/2020		0.0065			0.0146		
Arsenic, total	mg/L	MWII-2	05/17/2020		0.0075			0.0146		
Arsenic, total	mg/L	MWII-2	07/19/2020		0.0066			0.0146		
Arsenic, total	mg/L	MWII-2	10/26/2020		0.0068			0.0146		
Arsenic, total	mg/L	MWII-2	01/12/2021		0.0056			0.0146		
Arsenic, total	mg/L	MWII-2	04/13/2021		0.0062			0.0146		
Arsenic, total	mg/L	MWII-2	07/26/2021		0.0063			0.0146		
Arsenic, total	mg/L	MWII-2	10/19/2021		0.0066			0.0146		
Arsenic, total	mg/L	MWII-2	03/27/2022		0.0062			0.0146		
Arsenic, total	mg/L	MWII-2	05/09/2022		0.0062			0.0146		
Arsenic, total	mg/L	MWII-2	08/23/2022		0.0070			0.0146		
Arsenic, total	mg/L	MWII-2	11/16/2022		0.0069			0.0146		
Arsenic, total	mg/L	MWII-2	02/06/2023		0.0066			0.0146		
Arsenic, total	mg/L	MWII-2	05/14/2023		0.0064			0.0146		
Arsenic, total	mg/L	MWII-2	09/18/2023		0.0068			0.0146		
Arsenic, total	mg/L	MWII-2	11/14/2023		0.0067			0.0146		
Arsenic, total	mg/L	MWII-2	02/04/2024		0.0072			0.0146		
Arsenic, total	mg/L	MWII-2	04/29/2024		0.0055			0.0146		
Arsenic, total	mg/L	MWII-2	07/23/2024		0.0076			0.0146		
Arsenic, total	mg/L	MWII-2	11/05/2024		0.0064			0.0146		
Arsenic, total	mg/L	MWII-2	02/02/2025		0.0069			0.0146		
Arsenic, total	mg/L	MWII-2	06/16/2025		0.0056			0.0146		
Arsenic, total	mg/L	MWII-2	08/18/2025		0.0056			0.0146		
Arsenic, total	mg/L	MWII-2	12/01/2025		0.0055			0.0146		
Arsenic, total	mg/L	MWII-2	02/15/2026		0.0060			0.0146		
Arsenic, total	mg/L	MWII-5	03/12/1996	yes	0.0040		yes			*
Arsenic, total	mg/L	MWII-5	05/14/1996	yes	0.0500	ND			0.0200	***
Arsenic, total	mg/L	MWII-5	08/06/1996	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-5	01/14/1997	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-5	01/13/1998	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-5	01/11/1999	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-5	01/10/2000	yes	0.0200	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, total	mg/L	MWII-5	07/10/2000	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-5	01/29/2001	yes	0.0630					
Arsenic, total	mg/L	MWII-5	01/29/2002	yes	0.0230					
Arsenic, total	mg/L	MWII-5	01/28/2003	yes	0.0490					
Arsenic, total	mg/L	MWII-5	01/27/2004	yes	0.0200	ND				
Arsenic, total	mg/L	MWII-5	01/23/2006	yes	0.0420					
Arsenic, total	mg/L	MWII-5	07/26/2006	yes	0.0230					
Arsenic, total	mg/L	MWII-5	02/05/2007	yes	0.0330					
Arsenic, total	mg/L	MWII-5	10/16/2007	yes	0.0420					
Arsenic, total	mg/L	MWII-5	06/10/2008	yes	0.0270					
Arsenic, total	mg/L	MWII-5	07/29/2008	yes	0.0290					
Arsenic, total	mg/L	MWII-5	11/10/2008	yes	0.0330					
Arsenic, total	mg/L	MWII-5	03/09/2009	yes	0.0210					
Arsenic, total	mg/L	MWII-5	05/18/2009	yes	0.0220					
Arsenic, total	mg/L	MWII-5	07/20/2009	yes	0.0300					
Arsenic, total	mg/L	MWII-5	11/02/2009	yes	0.0290					
Arsenic, total	mg/L	MWII-5	02/22/2010	yes	0.0290					
Arsenic, total	mg/L	MWII-5	02/24/2013		0.0180			0.0285		
Arsenic, total	mg/L	MWII-5	08/26/2013		0.0230			0.0285		
Arsenic, total	mg/L	MWII-5	02/24/2014		0.0190			0.0285		
Arsenic, total	mg/L	MWII-5	05/27/2014		0.0240			0.0285		
Arsenic, total	mg/L	MWII-5	08/26/2014		0.0210			0.0285		
Arsenic, total	mg/L	MWII-5	11/11/2014		0.0190			0.0285		
Arsenic, total	mg/L	MWII-5	02/23/2015		0.0150			0.0285		
Arsenic, total	mg/L	MWII-5	05/31/2015		0.0180			0.0285		
Arsenic, total	mg/L	MWII-5	08/31/2015		0.0170			0.0285		
Arsenic, total	mg/L	MWII-5	11/09/2015		0.0190			0.0285		
Arsenic, total	mg/L	MWII-5	03/17/2016		0.0160			0.0285		
Arsenic, total	mg/L	MWII-5	05/23/2016		0.0150			0.0285		
Arsenic, total	mg/L	MWII-5	08/15/2016		0.0170			0.0285		
Arsenic, total	mg/L	MWII-5	10/26/2016		0.0180			0.0285		
Arsenic, total	mg/L	MWII-5	02/14/2017		0.0170			0.0285		
Arsenic, total	mg/L	MWII-5	05/23/2017		0.0160			0.0285		
Arsenic, total	mg/L	MWII-5	08/15/2017		0.0150			0.0285		
Arsenic, total	mg/L	MWII-5	11/14/2017		0.0160			0.0285		
Arsenic, total	mg/L	MWII-5	02/13/2018		0.0160			0.0285		
Arsenic, total	mg/L	MWII-5	05/15/2018		0.0150			0.0285		
Arsenic, total	mg/L	MWII-5	08/14/2018		0.0160			0.0285		
Arsenic, total	mg/L	MWII-5	11/13/2018		0.0140			0.0285		
Arsenic, total	mg/L	MWII-5	02/19/2019		0.0140			0.0285		
Arsenic, total	mg/L	MWII-5	06/19/2019		0.0160			0.0285		
Arsenic, total	mg/L	MWII-5	08/27/2019		0.0180			0.0285		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, total	mg/L	MWII-5	11/12/2019		0.0170			0.0285		
Arsenic, total	mg/L	MWII-5	02/26/2020		0.0140			0.0285		
Arsenic, total	mg/L	MWII-5	05/17/2020		0.0130			0.0285		
Arsenic, total	mg/L	MWII-5	07/19/2020		0.0110			0.0285		
Arsenic, total	mg/L	MWII-5	10/26/2020		0.0110			0.0285		
Arsenic, total	mg/L	MWII-5	01/12/2021		0.0120			0.0285		
Arsenic, total	mg/L	MWII-5	04/13/2021		0.0110			0.0285		
Arsenic, total	mg/L	MWII-5	07/26/2021		0.0110			0.0285		
Arsenic, total	mg/L	MWII-5	10/18/2021		0.0130			0.0285		
Arsenic, total	mg/L	MWII-5	03/27/2022		0.0120			0.0285		
Arsenic, total	mg/L	MWII-5	05/09/2022		0.0120			0.0285		
Arsenic, total	mg/L	MWII-5	08/23/2022		0.0140			0.0285		
Arsenic, total	mg/L	MWII-5	11/16/2022		0.0120			0.0285		
Arsenic, total	mg/L	MWII-5	02/07/2023		0.0130			0.0285		
Arsenic, total	mg/L	MWII-5	05/14/2023		0.0120			0.0285		
Arsenic, total	mg/L	MWII-5	09/18/2023		0.0120			0.0285		
Arsenic, total	mg/L	MWII-5	11/13/2023		0.0130			0.0285		
Arsenic, total	mg/L	MWII-5	02/04/2024		0.0120			0.0285		
Arsenic, total	mg/L	MWII-5	04/29/2024		0.0120			0.0285		
Arsenic, total	mg/L	MWII-5	07/23/2024		0.0130			0.0285		
Arsenic, total	mg/L	MWII-5	11/05/2024		0.0130			0.0285		
Arsenic, total	mg/L	MWII-5	02/02/2025		0.0130			0.0285		
Arsenic, total	mg/L	MWII-5	06/16/2025		0.0092			0.0285		
Arsenic, total	mg/L	MWII-5	08/18/2025		0.0130			0.0285		
Arsenic, total	mg/L	MWII-5	12/01/2025		0.0130			0.0285		
Arsenic, total	mg/L	MWII-5	02/15/2026		0.0120			0.0285		
Arsenic, total	mg/L	MWII-7	03/10/2009	yes	0.0110					
Arsenic, total	mg/L	MWII-7	05/18/2009	yes	0.0090					
Arsenic, total	mg/L	MWII-7	07/20/2009	yes	0.0110					
Arsenic, total	mg/L	MWII-7	11/02/2009	yes	0.0100					
Arsenic, total	mg/L	MWII-7	02/22/2010	yes	0.0100					
Arsenic, total	mg/L	MWII-7	06/05/2012		0.0120			0.0112		
Arsenic, total	mg/L	MWII-7	08/27/2012		0.0120			0.0121		
Arsenic, total	mg/L	MWII-7	11/13/2012		0.0160			0.0171		**
Arsenic, total	mg/L	MWII-7	02/24/2013		0.0230			0.0241		**
Arsenic, total	mg/L	MWII-7	06/04/2013		0.0110			0.0121		
Arsenic, total	mg/L	MWII-7	08/26/2013		0.0120			0.0131		
Arsenic, total	mg/L	MWII-7	02/24/2014		0.0080			0.0102		
Arsenic, total	mg/L	MWII-7	05/27/2014		0.0081			0.0102		
Arsenic, total	mg/L	MWII-7	08/26/2014		0.0120			0.0112		
Arsenic, total	mg/L	MWII-7	11/11/2014		0.0110			0.0111		
Arsenic, total	mg/L	MWII-7	02/23/2015		0.0130			0.0131		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, total	mg/L	MWII-7	05/31/2015		0.0130			0.0151		**
Arsenic, total	mg/L	MWII-7	08/31/2015		0.0140			0.0161		**
Arsenic, total	mg/L	MWII-7	11/09/2015		0.0340			0.0361		**
Arsenic, total	mg/L	MWII-7	03/23/2016		0.0400			0.0421		**
Arsenic, total	mg/L	MWII-7	05/23/2016		0.0250			0.0271		**
Arsenic, total	mg/L	MWII-7	08/15/2016		0.0300			0.0321		**
Arsenic, total	mg/L	MWII-7	10/26/2016		0.0340			0.0361		**
Arsenic, total	mg/L	MWII-7	02/14/2017		0.0150			0.0171		**
Arsenic, total	mg/L	MWII-7	05/23/2017		0.0210			0.0231		**
Arsenic, total	mg/L	MWII-7	08/15/2017		0.0230			0.0251		**
Arsenic, total	mg/L	MWII-7	11/14/2017		0.0180			0.0201		**
Arsenic, total	mg/L	MWII-7	02/13/2018		0.0230			0.0251		**
Arsenic, total	mg/L	MWII-7	05/15/2018		0.0200			0.0221		**
Arsenic, total	mg/L	MWII-7	08/14/2018		0.0210			0.0231		**
Arsenic, total	mg/L	MWII-7	11/13/2018		0.0200			0.0221		**
Arsenic, total	mg/L	MWII-7	02/19/2019		0.0200			0.0221		**
Arsenic, total	mg/L	MWII-7	06/19/2019		0.0200			0.0221		**
Arsenic, total	mg/L	MWII-7	08/27/2019		0.0190			0.0211		**
Arsenic, total	mg/L	MWII-7	11/13/2019		0.0190			0.0211		**
Arsenic, total	mg/L	MWII-7	02/27/2020		0.0170			0.0191		**
Arsenic, total	mg/L	MWII-7	05/17/2020		0.0160			0.0181		**
Arsenic, total	mg/L	MWII-7	07/19/2020		0.0130			0.0151		**
Arsenic, total	mg/L	MWII-7	10/26/2020		0.0160			0.0181		**
Arsenic, total	mg/L	MWII-7	01/12/2021		0.0140			0.0161		**
Arsenic, total	mg/L	MWII-7	04/13/2021		0.0120			0.0141		**
Arsenic, total	mg/L	MWII-7	07/26/2021		0.0120			0.0141		**
Arsenic, total	mg/L	MWII-7	10/18/2021		0.0120			0.0141		**
Arsenic, total	mg/L	MWII-7	03/27/2022		0.0120			0.0141		**
Arsenic, total	mg/L	MWII-7	05/09/2022		0.0110			0.0131		
Arsenic, total	mg/L	MWII-7	08/23/2022		0.0130			0.0150		**
Arsenic, total	mg/L	MWII-7	11/16/2022		0.0120			0.0140		**
Arsenic, total	mg/L	MWII-7	02/06/2023		0.0110			0.0130		
Arsenic, total	mg/L	MWII-7	05/14/2023		0.0094			0.0114		
Arsenic, total	mg/L	MWII-7	09/18/2023		0.0059			0.0102		
Arsenic, total	mg/L	MWII-7	11/14/2023		0.0085			0.0102		
Arsenic, total	mg/L	MWII-7	02/04/2024		0.0078			0.0102		
Arsenic, total	mg/L	MWII-7	04/29/2024		0.0050	ND		0.0102		
Arsenic, total	mg/L	MWII-7	07/23/2024		0.0050	ND		0.0102		
Arsenic, total	mg/L	MWII-7	11/05/2024		0.0059			0.0102		
Arsenic, total	mg/L	MWII-7	02/02/2025		0.0061			0.0102		
Arsenic, total	mg/L	MWII-7	06/16/2025		0.0059			0.0102		
Arsenic, total	mg/L	MWII-7	08/18/2025		0.0057			0.0102		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, total	mg/L	MWII-7	12/01/2025		0.0073			0.0102		
Arsenic, total	mg/L	MWII-7	02/15/2026		0.0050			0.0102		
Chemical oxygen demand	mg/L	MWII-2	02/22/2010	yes	11.0000					
Chemical oxygen demand	mg/L	MWII-2	08/23/2010	yes	25.0000					
Chemical oxygen demand	mg/L	MWII-2	03/08/2011		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	08/02/2011		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	03/14/2012		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	08/27/2012		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	02/24/2013		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	08/26/2013		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	02/24/2014		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	05/27/2014		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	08/26/2014		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	11/11/2014		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	02/23/2015		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	05/31/2015		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	08/31/2015		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	11/09/2015		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	03/23/2016		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	05/23/2016		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	08/15/2016		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	10/26/2016		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	02/14/2017		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	05/23/2017		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	08/15/2017		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	11/14/2017		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	02/13/2018		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	05/15/2018		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	08/14/2018		20.0000					
Chemical oxygen demand	mg/L	MWII-2	11/13/2018		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	02/19/2019		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	06/19/2019		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	08/27/2019		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	11/13/2019		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	02/27/2020		15.0000					
Chemical oxygen demand	mg/L	MWII-2	05/17/2020		8.7000	ND				
Chemical oxygen demand	mg/L	MWII-2	07/19/2020		16.0000					
Chemical oxygen demand	mg/L	MWII-2	10/26/2020		8.7000	ND				
Chemical oxygen demand	mg/L	MWII-2	01/12/2021		8.7000	ND				
Chemical oxygen demand	mg/L	MWII-2	04/13/2021		8.7000	ND				
Chemical oxygen demand	mg/L	MWII-2	07/26/2021		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	10/19/2021		20.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chemical oxygen demand	mg/L	MWII-2	03/27/2022		20.0000					
Chemical oxygen demand	mg/L	MWII-2	05/09/2022		21.0000					
Chemical oxygen demand	mg/L	MWII-2	08/23/2022		23.0000					
Chemical oxygen demand	mg/L	MWII-2	11/16/2022		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	02/06/2023		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	05/14/2023		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	09/18/2023		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	11/14/2023		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	02/04/2024		20.0000					
Chemical oxygen demand	mg/L	MWII-2	04/29/2024		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	07/23/2024		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	11/05/2024		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	02/02/2025		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	06/16/2025		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	08/18/2025		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	12/01/2025		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-2	02/15/2026		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	02/22/2010	yes	20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	08/23/2010	yes	20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	03/08/2011		22.0000					
Chemical oxygen demand	mg/L	MWII-5	08/02/2011		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	03/14/2012		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	08/27/2012		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	02/24/2013		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	08/26/2013		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	02/24/2014		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	05/27/2014		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	08/26/2014		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	11/11/2014		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	02/23/2015		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	05/31/2015		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	08/31/2015		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	11/09/2015		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	03/17/2016		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	05/23/2016		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	08/15/2016		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	10/26/2016		20.0000					
Chemical oxygen demand	mg/L	MWII-5	02/14/2017		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	05/23/2017		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	08/15/2017		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	11/14/2017		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	02/13/2018		20.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chemical oxygen demand	mg/L	MWII-5	05/15/2018		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	08/14/2018		21.0000					
Chemical oxygen demand	mg/L	MWII-5	11/13/2018		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	02/19/2019		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	06/19/2019		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	08/27/2019		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	11/12/2019		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	02/26/2020		16.0000					
Chemical oxygen demand	mg/L	MWII-5	05/17/2020		8.7000	ND				
Chemical oxygen demand	mg/L	MWII-5	07/19/2020		16.0000					
Chemical oxygen demand	mg/L	MWII-5	10/26/2020		9.7000					
Chemical oxygen demand	mg/L	MWII-5	01/12/2021		10.0000					
Chemical oxygen demand	mg/L	MWII-5	04/13/2021		8.7000	ND				
Chemical oxygen demand	mg/L	MWII-5	07/26/2021		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	10/18/2021		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	03/27/2022		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	05/09/2022		22.0000					
Chemical oxygen demand	mg/L	MWII-5	08/23/2022		27.0000					
Chemical oxygen demand	mg/L	MWII-5	11/16/2022		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	02/07/2023		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	05/14/2023		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	09/18/2023		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	11/13/2023		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	02/04/2024		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	04/29/2024		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	07/23/2024		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	11/05/2024		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	02/02/2025		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	06/16/2025		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	08/18/2025		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	12/01/2025		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-5	02/15/2026		20.0000	ND				
Chemical oxygen demand	mg/L	MWII-7	03/10/2009	yes	20.0000	ND				
Chemical oxygen demand	mg/L	MWII-7	11/02/2009	yes	20.0000	ND				
Chemical oxygen demand	mg/L	MWII-7	02/22/2010	yes	10.0000					
Chemical oxygen demand	mg/L	MWII-7	06/01/2010	yes	20.0000	ND				
Chemical oxygen demand	mg/L	MWII-7	08/23/2010	yes	20.0000	ND				
Chemical oxygen demand	mg/L	MWII-7	11/16/2010	yes	22.0000					
Chemical oxygen demand	mg/L	MWII-7	03/08/2011		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	05/10/2011		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	08/02/2011		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	11/16/2011		150.0000			145.6795		**

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chemical oxygen demand	mg/L	MWII-7	03/14/2012		200.0000			195.6795		**
Chemical oxygen demand	mg/L	MWII-7	06/05/2012		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	08/27/2012		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	11/13/2012		130.0000			125.6795		**
Chemical oxygen demand	mg/L	MWII-7	02/24/2013		280.0000			275.6795		**
Chemical oxygen demand	mg/L	MWII-7	06/04/2013		22.0000			18.6667		
Chemical oxygen demand	mg/L	MWII-7	08/26/2013		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	02/24/2014		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	05/27/2014		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	08/26/2014		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	11/11/2014		24.0000			19.6795		
Chemical oxygen demand	mg/L	MWII-7	02/23/2015		79.0000			75.6923		**
Chemical oxygen demand	mg/L	MWII-7	05/31/2015		170.0000			166.6923		**
Chemical oxygen demand	mg/L	MWII-7	08/31/2015		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	11/09/2015		38.0000			33.6795		
Chemical oxygen demand	mg/L	MWII-7	03/23/2016		36.0000			46.6923		**
Chemical oxygen demand	mg/L	MWII-7	05/23/2016		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	08/15/2016		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	10/26/2016		81.0000			76.6795		**
Chemical oxygen demand	mg/L	MWII-7	02/14/2017		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	05/23/2017		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	08/15/2017		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	11/14/2017		31.0000			26.6795		
Chemical oxygen demand	mg/L	MWII-7	02/13/2018		34.0000			37.6923		
Chemical oxygen demand	mg/L	MWII-7	05/15/2018		44.0000			58.7052		**
Chemical oxygen demand	mg/L	MWII-7	08/14/2018		44.0000			58.7052		**
Chemical oxygen demand	mg/L	MWII-7	11/13/2018		30.0000			44.7052		**
Chemical oxygen demand	mg/L	MWII-7	02/19/2019		54.0000			68.7052		**
Chemical oxygen demand	mg/L	MWII-7	06/19/2019		120.0000			134.7052		**
Chemical oxygen demand	mg/L	MWII-7	08/27/2019		120.0000			134.7052		**
Chemical oxygen demand	mg/L	MWII-7	11/13/2019		110.0000			124.7052		**
Chemical oxygen demand	mg/L	MWII-7	02/27/2020		31.0000			45.7052		**
Chemical oxygen demand	mg/L	MWII-7	05/17/2020		310.0000			324.7052		**
Chemical oxygen demand	mg/L	MWII-7	07/19/2020		160.0000			174.7052		**
Chemical oxygen demand	mg/L	MWII-7	10/26/2020		170.0000			184.7052		**
Chemical oxygen demand	mg/L	MWII-7	01/12/2021		94.0000			108.7052		**
Chemical oxygen demand	mg/L	MWII-7	04/13/2021		120.0000			134.7052		**
Chemical oxygen demand	mg/L	MWII-7	07/26/2021		100.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	10/18/2021		89.0000			84.6795		**
Chemical oxygen demand	mg/L	MWII-7	03/27/2022		100.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	05/09/2022		130.0000			125.6795		**
Chemical oxygen demand	mg/L	MWII-7	08/23/2022		180.0000			175.6795		**

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chemical oxygen demand	mg/L	MWII-7	11/16/2022		81.0000			76.6795		**
Chemical oxygen demand	mg/L	MWII-7	02/06/2023		73.0000			68.6795		**
Chemical oxygen demand	mg/L	MWII-7	05/14/2023		62.0000			57.6795		**
Chemical oxygen demand	mg/L	MWII-7	09/18/2023		27.0000			22.6795		
Chemical oxygen demand	mg/L	MWII-7	11/14/2023		100.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	02/04/2024		71.0000			66.6795		**
Chemical oxygen demand	mg/L	MWII-7	04/29/2024		130.0000			125.6795		**
Chemical oxygen demand	mg/L	MWII-7	07/23/2024		100.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	11/05/2024		31.0000			26.6795		
Chemical oxygen demand	mg/L	MWII-7	02/02/2025		27.0000			30.6923		
Chemical oxygen demand	mg/L	MWII-7	06/16/2025		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	08/18/2025		20.0000	ND		18.6667		
Chemical oxygen demand	mg/L	MWII-7	12/01/2025		22.0000			18.6667		
Chemical oxygen demand	mg/L	MWII-7	02/15/2026		20.0000	ND		18.6667		
Iron, dissolved	mg/L	MWII-2	01/10/2000	yes	0.0600	ND			0.0500	***
Iron, dissolved	mg/L	MWII-2	08/09/2004	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	01/24/2005	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	07/18/2005	yes	0.0350					
Iron, dissolved	mg/L	MWII-2	01/23/2006	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	07/25/2006	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	02/05/2007	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	10/16/2007	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	03/11/2008	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	06/10/2008	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	07/29/2008	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	11/10/2008	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	03/10/2009	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	05/18/2009	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	07/20/2009	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	11/02/2009	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	02/22/2010	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-2	08/23/2010	yes	0.2900					
Iron, dissolved	mg/L	MWII-2	03/08/2011		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	08/02/2011		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	03/14/2012		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	08/27/2012		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	02/24/2013		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	08/26/2013		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	02/24/2014		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	05/27/2014		0.0710					
Iron, dissolved	mg/L	MWII-2	08/26/2014		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	11/11/2014		0.0500	ND				

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*** - ND value replaced with median RL.
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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Iron, dissolved	mg/L	MWII-2	02/23/2015		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	05/31/2015		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	08/31/2015		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	11/09/2015		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	03/23/2016		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	05/23/2016		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	08/15/2016		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	10/26/2016		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	02/14/2017		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	05/23/2017		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	08/15/2017		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	11/14/2017		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	02/13/2018		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	05/15/2018		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	08/14/2018		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	11/13/2018		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	02/19/2019		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	06/19/2019		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	08/27/2019		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	11/13/2019		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	02/27/2020		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	05/17/2020		0.0220	ND				
Iron, dissolved	mg/L	MWII-2	07/19/2020		0.0220	ND				
Iron, dissolved	mg/L	MWII-2	10/26/2020		0.0220	ND				
Iron, dissolved	mg/L	MWII-2	01/12/2021		0.0230					
Iron, dissolved	mg/L	MWII-2	04/13/2021		0.0220	ND				
Iron, dissolved	mg/L	MWII-2	07/26/2021		0.0510					
Iron, dissolved	mg/L	MWII-2	10/19/2021		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	03/27/2022		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	05/09/2022		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	08/23/2022		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	11/16/2022		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	02/06/2023		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	05/14/2023		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	09/18/2023		0.2300					
Iron, dissolved	mg/L	MWII-2	11/14/2023		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	02/04/2024		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	04/29/2024		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	07/23/2024		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	11/05/2024		0.0500	ND				
Iron, dissolved	mg/L	MWII-2	02/02/2025		0.1000	ND				
Iron, dissolved	mg/L	MWII-2	06/16/2025		0.1000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Iron, dissolved	mg/L	MWII-2	08/18/2025		0.1000	ND				
Iron, dissolved	mg/L	MWII-2	12/01/2025		0.1000	ND				
Iron, dissolved	mg/L	MWII-2	02/15/2026		0.1000	ND				
Iron, dissolved	mg/L	MWII-5	01/10/2000	yes	0.0600	ND			0.0500	***
Iron, dissolved	mg/L	MWII-5	08/09/2004	yes	0.1400					
Iron, dissolved	mg/L	MWII-5	01/24/2005	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-5	07/18/2005	yes	0.0740					
Iron, dissolved	mg/L	MWII-5	01/23/2006	yes	0.0590					
Iron, dissolved	mg/L	MWII-5	07/26/2006	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-5	02/05/2007	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-5	10/16/2007	yes	0.0650					
Iron, dissolved	mg/L	MWII-5	03/11/2008	yes	0.0760					
Iron, dissolved	mg/L	MWII-5	06/10/2008	yes	0.0600					
Iron, dissolved	mg/L	MWII-5	07/29/2008	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-5	11/10/2008	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-5	03/09/2009	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-5	05/18/2009	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-5	07/20/2009	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-5	11/02/2009	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-5	02/22/2010	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-5	08/23/2010	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-5	03/08/2011		0.0510			0.0597		
Iron, dissolved	mg/L	MWII-5	08/02/2011		0.0610			0.0597		
Iron, dissolved	mg/L	MWII-5	03/14/2012		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	08/27/2012		0.0520			0.0597		
Iron, dissolved	mg/L	MWII-5	02/24/2013		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	08/26/2013		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	02/24/2014		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	05/27/2014		0.0560			0.0597		
Iron, dissolved	mg/L	MWII-5	08/26/2014		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	11/11/2014		0.0660			0.0597		
Iron, dissolved	mg/L	MWII-5	02/23/2015		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	05/31/2015		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	06/01/2015		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	08/31/2015		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	11/09/2015		0.0500			0.0597		
Iron, dissolved	mg/L	MWII-5	03/17/2016		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	05/23/2016		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	08/15/2016		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	10/26/2016		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	02/14/2017		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	05/23/2017		0.0500	ND		0.0597		

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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Iron, dissolved	mg/L	MWII-5	08/15/2017		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	11/14/2017		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	02/13/2018		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	05/15/2018		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	08/14/2018		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	11/13/2018		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	02/19/2019		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	06/19/2019		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	08/27/2019		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	11/12/2019		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	02/26/2020		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	05/17/2020		0.0220	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	07/19/2020		0.0330			0.0597		
Iron, dissolved	mg/L	MWII-5	10/26/2020		0.0220	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	01/12/2021		0.0220	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	04/13/2021		0.0220			0.0597		
Iron, dissolved	mg/L	MWII-5	07/26/2021		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	10/18/2021		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	03/27/2022		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	05/09/2022		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	08/23/2022		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	11/16/2022		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	02/07/2023		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	09/18/2023		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	11/13/2023		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	04/29/2024		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	07/23/2024		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	11/05/2024		0.0500	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	02/02/2025		0.1000	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	06/16/2025		0.1000	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	08/18/2025		0.1000	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	12/01/2025		0.1000	ND		0.0597		
Iron, dissolved	mg/L	MWII-5	02/15/2026		0.1000	ND		0.0597		
Iron, dissolved	mg/L	MWII-7	03/10/2009	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-7	05/18/2009	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-7	07/20/2009	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-7	11/02/2009	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-7	02/22/2010	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-7	06/01/2010	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-7	08/23/2010	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-7	11/16/2010	yes	0.0500	ND				
Iron, dissolved	mg/L	MWII-7	03/08/2011		0.0500	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Iron, dissolved	mg/L	MWII-7	05/10/2011		0.0500	ND				
Iron, dissolved	mg/L	MWII-7	08/02/2011		0.0500	ND				
Iron, dissolved	mg/L	MWII-7	11/16/2011		0.0660					
Iron, dissolved	mg/L	MWII-7	03/14/2012		0.3500					
Iron, dissolved	mg/L	MWII-7	06/05/2012		0.1000	ND				
Iron, dissolved	mg/L	MWII-7	08/27/2012		0.1000	ND				
Iron, dissolved	mg/L	MWII-7	11/13/2012		0.9500					
Iron, dissolved	mg/L	MWII-7	02/24/2013		0.4800					
Iron, dissolved	mg/L	MWII-7	06/04/2013		0.0500	ND				
Iron, dissolved	mg/L	MWII-7	08/26/2013		0.0500	ND				
Iron, dissolved	mg/L	MWII-7	02/24/2014		0.0500	ND				
Iron, dissolved	mg/L	MWII-7	05/27/2014		0.1100					
Iron, dissolved	mg/L	MWII-7	08/26/2014		0.0500	ND				
Iron, dissolved	mg/L	MWII-7	11/11/2014		0.1100					
Iron, dissolved	mg/L	MWII-7	02/23/2015		0.5800					
Iron, dissolved	mg/L	MWII-7	05/31/2015		0.5000					
Iron, dissolved	mg/L	MWII-7	08/31/2015		0.6700					
Iron, dissolved	mg/L	MWII-7	11/09/2015		3.1000					
Iron, dissolved	mg/L	MWII-7	03/23/2016		3.2000					
Iron, dissolved	mg/L	MWII-7	05/23/2016		2.0000					
Iron, dissolved	mg/L	MWII-7	08/15/2016		3.5000					
Iron, dissolved	mg/L	MWII-7	10/26/2016		3.3000					
Iron, dissolved	mg/L	MWII-7	02/14/2017		0.5400					
Iron, dissolved	mg/L	MWII-7	05/23/2017		3.7000					
Iron, dissolved	mg/L	MWII-7	08/15/2017		3.7000					
Iron, dissolved	mg/L	MWII-7	11/14/2017		5.1000					
Iron, dissolved	mg/L	MWII-7	02/13/2018		3.3000					
Iron, dissolved	mg/L	MWII-7	05/15/2018		3.7000					
Iron, dissolved	mg/L	MWII-7	08/14/2018		3.6000					
Iron, dissolved	mg/L	MWII-7	11/13/2018		4.3000					
Iron, dissolved	mg/L	MWII-7	02/19/2019		3.7000					
Iron, dissolved	mg/L	MWII-7	06/19/2019		4.5000					
Iron, dissolved	mg/L	MWII-7	08/27/2019		4.4000					
Iron, dissolved	mg/L	MWII-7	11/13/2019		3.7000					
Iron, dissolved	mg/L	MWII-7	02/27/2020		3.7000					
Iron, dissolved	mg/L	MWII-7	05/17/2020		2.9000					
Iron, dissolved	mg/L	MWII-7	07/19/2020		2.7000					
Iron, dissolved	mg/L	MWII-7	10/26/2020		2.3000					
Iron, dissolved	mg/L	MWII-7	01/12/2021		1.6000					
Iron, dissolved	mg/L	MWII-7	04/13/2021		1.8000					
Iron, dissolved	mg/L	MWII-7	07/26/2021		2.1000					
Iron, dissolved	mg/L	MWII-7	10/18/2021		2.1000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Iron, dissolved	mg/L	MWII-7	03/27/2022		1.9000					
Iron, dissolved	mg/L	MWII-7	05/09/2022		2.0000					
Iron, dissolved	mg/L	MWII-7	08/23/2022		2.0000					
Iron, dissolved	mg/L	MWII-7	11/16/2022		1.7000					
Iron, dissolved	mg/L	MWII-7	02/06/2023		2.0000					
Iron, dissolved	mg/L	MWII-7	05/14/2023		1.4000					
Iron, dissolved	mg/L	MWII-7	09/18/2023		1.2000					
Iron, dissolved	mg/L	MWII-7	11/14/2023		1.2000					
Iron, dissolved	mg/L	MWII-7	02/04/2024		1.2000					
Iron, dissolved	mg/L	MWII-7	04/29/2024		0.8700					
Iron, dissolved	mg/L	MWII-7	07/23/2024		0.6200					
Iron, dissolved	mg/L	MWII-7	11/05/2024		0.8000					
Iron, dissolved	mg/L	MWII-7	02/02/2025		0.5600					
Iron, dissolved	mg/L	MWII-7	06/16/2025		0.6800					
Iron, dissolved	mg/L	MWII-7	08/18/2025		0.8200					
Iron, dissolved	mg/L	MWII-7	12/01/2025		0.9300					
Iron, dissolved	mg/L	MWII-7	02/15/2026		0.8700					
Iron, total	mg/L	MWII-2	03/12/1996	yes	0.0320					
Iron, total	mg/L	MWII-2	05/14/1996	yes	0.1645					
Iron, total	mg/L	MWII-2	08/06/1996	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	01/14/1997	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	07/08/1997	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	01/13/1998	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	08/10/1998	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	01/11/1999	yes	0.3400					
Iron, total	mg/L	MWII-2	07/12/1999	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	01/10/2000	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	07/10/2000	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	01/29/2001	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	08/06/2001	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	01/29/2002	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	08/05/2002	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	01/28/2003	yes	0.4800					
Iron, total	mg/L	MWII-2	08/04/2003	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	01/27/2004	yes	0.0600	ND				
Iron, total	mg/L	MWII-2	01/23/2006	yes	0.2500					
Iron, total	mg/L	MWII-2	07/25/2006	yes	0.0500	ND			0.0600	***
Iron, total	mg/L	MWII-2	02/05/2007	yes	0.3000					
Iron, total	mg/L	MWII-2	10/16/2007	yes	0.0500	ND			0.0600	***
Iron, total	mg/L	MWII-2	06/10/2008	yes	0.0640					
Iron, total	mg/L	MWII-2	07/29/2008	yes	0.3300					
Iron, total	mg/L	MWII-2	11/10/2008	yes	0.0500	ND			0.0600	***

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Iron, total	mg/L	MWII-2	03/10/2009	yes	0.0500	ND			0.0600	***
Iron, total	mg/L	MWII-2	05/18/2009	yes	0.0500	ND			0.0600	***
Iron, total	mg/L	MWII-2	07/20/2009	yes	0.0500	ND			0.0600	***
Iron, total	mg/L	MWII-2	11/02/2009	yes	0.0500	ND			0.0600	***
Iron, total	mg/L	MWII-2	02/22/2010	yes	0.0500	ND			0.0600	***
Iron, total	mg/L	MWII-2	02/24/2013		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	08/26/2013		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	02/24/2014		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	05/27/2014		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	08/26/2014		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	11/11/2014		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	02/23/2015		0.0600			0.1094		
Iron, total	mg/L	MWII-2	05/31/2015		0.1200			0.1094		
Iron, total	mg/L	MWII-2	08/31/2015		0.0840			0.1094		
Iron, total	mg/L	MWII-2	11/09/2015		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	03/23/2016		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	05/23/2016		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	08/15/2016		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	10/26/2016		0.0650			0.1094		
Iron, total	mg/L	MWII-2	02/14/2017		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	05/23/2017		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	08/15/2017		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	11/14/2017		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	02/13/2018		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	05/15/2018		0.0570			0.1094		
Iron, total	mg/L	MWII-2	08/14/2018		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	11/13/2018		0.0670			0.1094		
Iron, total	mg/L	MWII-2	02/19/2019		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	06/19/2019		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	08/27/2019		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	11/13/2019		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	02/27/2020		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	05/17/2020		0.0220	ND		0.1094		
Iron, total	mg/L	MWII-2	07/19/2020		0.0220	ND		0.1094		
Iron, total	mg/L	MWII-2	10/26/2020		0.0220	ND		0.1094		
Iron, total	mg/L	MWII-2	01/12/2021		0.0220	ND		0.1094		
Iron, total	mg/L	MWII-2	04/13/2021		0.0220	ND		0.1094		
Iron, total	mg/L	MWII-2	07/26/2021		0.2500			0.1664		
Iron, total	mg/L	MWII-2	10/19/2021		0.1200			0.1094		
Iron, total	mg/L	MWII-2	03/27/2022		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	05/09/2022		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	08/23/2022		0.0500	ND		0.1094		

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Iron, total	mg/L	MWII-2	11/16/2022		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	02/06/2023		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	05/14/2023		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	09/18/2023		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	11/14/2023		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	02/04/2024		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	04/29/2024		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	07/23/2024		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	11/05/2024		0.0500	ND		0.1094		
Iron, total	mg/L	MWII-2	02/02/2025		0.1000	ND		0.1094		
Iron, total	mg/L	MWII-2	06/16/2025		0.2400			0.1564		
Iron, total	mg/L	MWII-2	08/18/2025		0.1000	ND		0.1094		
Iron, total	mg/L	MWII-2	12/01/2025		0.1000	ND		0.1094		
Iron, total	mg/L	MWII-2	02/15/2026		0.1000	ND		0.1094		
Iron, total	mg/L	MWII-5	03/12/1996	yes	0.0240					
Iron, total	mg/L	MWII-5	05/14/1996	yes	0.1730					
Iron, total	mg/L	MWII-5	08/06/1996	yes	0.0600	ND			0.0500	***
Iron, total	mg/L	MWII-5	01/14/1997	yes	0.0600	ND			0.0500	***
Iron, total	mg/L	MWII-5	01/13/1998	yes	0.0600	ND			0.0500	***
Iron, total	mg/L	MWII-5	01/11/1999	yes	0.3200		yes			*
Iron, total	mg/L	MWII-5	01/10/2000	yes	0.0600	ND			0.0500	***
Iron, total	mg/L	MWII-5	07/10/2000	yes	0.0600	ND			0.0500	***
Iron, total	mg/L	MWII-5	01/29/2001	yes	0.0600	ND			0.0500	***
Iron, total	mg/L	MWII-5	01/29/2002	yes	0.0600	ND			0.0500	***
Iron, total	mg/L	MWII-5	01/28/2003	yes	0.1000					
Iron, total	mg/L	MWII-5	01/27/2004	yes	0.0990					
Iron, total	mg/L	MWII-5	01/23/2006	yes	0.0810					
Iron, total	mg/L	MWII-5	07/26/2006	yes	0.0650					
Iron, total	mg/L	MWII-5	02/05/2007	yes	0.0500	ND				
Iron, total	mg/L	MWII-5	10/16/2007	yes	0.0790					
Iron, total	mg/L	MWII-5	06/10/2008	yes	0.0600					
Iron, total	mg/L	MWII-5	07/29/2008	yes	0.0820					
Iron, total	mg/L	MWII-5	11/10/2008	yes	0.0500	ND				
Iron, total	mg/L	MWII-5	03/09/2009	yes	0.0500	ND				
Iron, total	mg/L	MWII-5	05/18/2009	yes	0.0500	ND				
Iron, total	mg/L	MWII-5	07/20/2009	yes	0.0500	ND				
Iron, total	mg/L	MWII-5	11/02/2009	yes	0.0500	ND				
Iron, total	mg/L	MWII-5	02/22/2010	yes	0.0500	ND				
Iron, total	mg/L	MWII-5	02/24/2013		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	08/26/2013		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	02/24/2014		0.1900			0.1676		**
Iron, total	mg/L	MWII-5	05/27/2014		0.0500	ND		0.0816		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Iron, total	mg/L	MWII-5	08/26/2014		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	11/11/2014		0.0780			0.0636		
Iron, total	mg/L	MWII-5	02/23/2015		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	05/31/2015		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	08/31/2015		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	11/09/2015		0.0620			0.0636		
Iron, total	mg/L	MWII-5	03/17/2016		0.0730			0.0636		
Iron, total	mg/L	MWII-5	05/23/2016		0.1900			0.1676		**
Iron, total	mg/L	MWII-5	08/15/2016		0.0500	ND		0.0816		
Iron, total	mg/L	MWII-5	10/26/2016		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	02/14/2017		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	05/23/2017		0.0870			0.0646		
Iron, total	mg/L	MWII-5	08/15/2017		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	11/14/2017		0.0780			0.0636		
Iron, total	mg/L	MWII-5	02/13/2018		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	05/15/2018		0.0580			0.0636		
Iron, total	mg/L	MWII-5	08/14/2018		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	11/13/2018		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	02/19/2019		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	06/19/2019		0.1200			0.0976		
Iron, total	mg/L	MWII-5	08/27/2019		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	11/12/2019		0.0880			0.0656		
Iron, total	mg/L	MWII-5	02/26/2020		0.0710			0.0636		
Iron, total	mg/L	MWII-5	05/17/2020		0.0390			0.0636		
Iron, total	mg/L	MWII-5	07/19/2020		0.0290			0.0636		
Iron, total	mg/L	MWII-5	10/26/2020		0.0220	ND		0.0636		
Iron, total	mg/L	MWII-5	01/12/2021		0.0220	ND		0.0636		
Iron, total	mg/L	MWII-5	04/13/2021		0.0220	ND		0.0636		
Iron, total	mg/L	MWII-5	07/26/2021		0.0520			0.0636		
Iron, total	mg/L	MWII-5	10/18/2021		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	03/27/2022		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	05/09/2022		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	08/23/2022		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	11/16/2022		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	02/07/2023		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	05/14/2023		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	09/18/2023		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	11/13/2023		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	02/04/2024		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	04/29/2024		0.1300			0.1076		
Iron, total	mg/L	MWII-5	07/23/2024		0.0500	ND		0.0636		
Iron, total	mg/L	MWII-5	11/05/2024		0.0500	ND		0.0636		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Iron, total	mg/L	MWII-5	02/02/2025		0.1000	ND		0.0636		
Iron, total	mg/L	MWII-5	06/16/2025		0.1000	ND		0.0636		
Iron, total	mg/L	MWII-5	08/18/2025		0.1000	ND		0.0636		
Iron, total	mg/L	MWII-5	12/01/2025		0.1000	ND		0.0636		
Iron, total	mg/L	MWII-5	02/15/2026		0.1000	ND		0.0636		
Iron, total	mg/L	MWII-7	03/10/2009	yes	0.0500	ND				
Iron, total	mg/L	MWII-7	05/18/2009	yes	0.0500	ND				
Iron, total	mg/L	MWII-7	07/20/2009	yes	0.0500	ND				
Iron, total	mg/L	MWII-7	11/02/2009	yes	0.0500	ND				
Iron, total	mg/L	MWII-7	02/22/2010	yes	0.0300					
Iron, total	mg/L	MWII-7	06/05/2012		0.1000	ND				
Iron, total	mg/L	MWII-7	08/27/2012		0.1000	ND				
Iron, total	mg/L	MWII-7	11/13/2012		0.8600					
Iron, total	mg/L	MWII-7	02/24/2013		0.3600					
Iron, total	mg/L	MWII-7	06/04/2013		0.0500	ND				
Iron, total	mg/L	MWII-7	08/26/2013		0.0560					
Iron, total	mg/L	MWII-7	02/24/2014		0.1700					
Iron, total	mg/L	MWII-7	05/27/2014		1.6000					
Iron, total	mg/L	MWII-7	08/26/2014		0.0500	ND				
Iron, total	mg/L	MWII-7	11/11/2014		0.1600					
Iron, total	mg/L	MWII-7	02/23/2015		1.2000					
Iron, total	mg/L	MWII-7	05/31/2015		0.7000					
Iron, total	mg/L	MWII-7	08/31/2015		1.7000					
Iron, total	mg/L	MWII-7	11/09/2015		4.5000					
Iron, total	mg/L	MWII-7	03/23/2016		14.0000					
Iron, total	mg/L	MWII-7	05/23/2016		5.0000					
Iron, total	mg/L	MWII-7	08/15/2016		4.0000					
Iron, total	mg/L	MWII-7	10/26/2016		4.0000					
Iron, total	mg/L	MWII-7	02/14/2017		16.0000					
Iron, total	mg/L	MWII-7	05/23/2017		4.0000					
Iron, total	mg/L	MWII-7	08/15/2017		4.3000					
Iron, total	mg/L	MWII-7	11/14/2017		8.8000					
Iron, total	mg/L	MWII-7	02/13/2018		3.6000					
Iron, total	mg/L	MWII-7	05/15/2018		5.0000					
Iron, total	mg/L	MWII-7	08/14/2018		4.3000					
Iron, total	mg/L	MWII-7	11/13/2018		4.6000					
Iron, total	mg/L	MWII-7	02/19/2019		4.0000					
Iron, total	mg/L	MWII-7	06/19/2019		9.6000					
Iron, total	mg/L	MWII-7	08/27/2019		6.9000					
Iron, total	mg/L	MWII-7	11/13/2019		5.4000					
Iron, total	mg/L	MWII-7	02/27/2020		5.7000					
Iron, total	mg/L	MWII-7	05/17/2020		3.4000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Iron, total	mg/L	MWII-7	07/19/2020		3.1000					
Iron, total	mg/L	MWII-7	10/26/2020		3.1000					
Iron, total	mg/L	MWII-7	01/12/2021		2.2000					
Iron, total	mg/L	MWII-7	04/13/2021		2.5000					
Iron, total	mg/L	MWII-7	07/26/2021		2.8000					
Iron, total	mg/L	MWII-7	10/18/2021		2.5000					
Iron, total	mg/L	MWII-7	03/27/2022		2.1000					
Iron, total	mg/L	MWII-7	05/09/2022		2.1000					
Iron, total	mg/L	MWII-7	08/23/2022		2.2000					
Iron, total	mg/L	MWII-7	11/16/2022		2.5000					
Iron, total	mg/L	MWII-7	02/06/2023		2.0000					
Iron, total	mg/L	MWII-7	05/14/2023		1.9000					
Iron, total	mg/L	MWII-7	09/18/2023		1.3000					
Iron, total	mg/L	MWII-7	11/14/2023		1.7000					
Iron, total	mg/L	MWII-7	02/04/2024		1.6000					
Iron, total	mg/L	MWII-7	04/29/2024		1.2000					
Iron, total	mg/L	MWII-7	07/23/2024		0.9900					
Iron, total	mg/L	MWII-7	11/05/2024		1.1000					
Iron, total	mg/L	MWII-7	02/02/2025		0.9100					
Iron, total	mg/L	MWII-7	06/16/2025		0.9300					
Iron, total	mg/L	MWII-7	08/18/2025		0.9400					
Iron, total	mg/L	MWII-7	12/01/2025		1.2000					
Iron, total	mg/L	MWII-7	02/15/2026		1.2000					
Manganese, dissolved	mg/L	MWII-2	07/25/2006	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	02/05/2007	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	10/16/2007	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	03/11/2008	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	06/10/2008	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	07/29/2008	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	11/10/2008	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	03/10/2009	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	05/18/2009	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	07/20/2009	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	11/02/2009	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	02/22/2010	yes	0.0040					
Manganese, dissolved	mg/L	MWII-2	08/23/2010	yes	0.0140					
Manganese, dissolved	mg/L	MWII-2	03/08/2011		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	08/02/2011		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	03/14/2012		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	08/27/2012		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	02/24/2013		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	08/26/2013		0.0100	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Manganese, dissolved	mg/L	MWII-2	02/24/2014		0.0100					
Manganese, dissolved	mg/L	MWII-2	05/27/2014		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	08/26/2014		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	11/11/2014		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	02/23/2015		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	05/31/2015		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	08/31/2015		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	11/09/2015		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	03/23/2016		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	05/23/2016		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	08/15/2016		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	10/26/2016		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	02/14/2017		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	05/23/2017		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	08/15/2017		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	11/14/2017		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	02/13/2018		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	05/15/2018		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	08/14/2018		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	11/13/2018		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	02/19/2019		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	06/19/2019		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	08/27/2019		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	11/13/2019		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	02/27/2020		0.0026					
Manganese, dissolved	mg/L	MWII-2	05/17/2020		0.0019	ND				
Manganese, dissolved	mg/L	MWII-2	07/19/2020		0.0030					
Manganese, dissolved	mg/L	MWII-2	10/26/2020		0.0020					
Manganese, dissolved	mg/L	MWII-2	01/12/2021		0.0019	ND				
Manganese, dissolved	mg/L	MWII-2	04/13/2021		0.0019	ND				
Manganese, dissolved	mg/L	MWII-2	07/26/2021		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	10/19/2021		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	03/27/2022		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	05/09/2022		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	08/23/2022		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	11/16/2022		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	02/06/2023		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	05/14/2023		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	09/18/2023		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	11/14/2023		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	02/04/2024		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	04/29/2024		0.0100	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Manganese, dissolved	mg/L	MWII-2	07/23/2024		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	11/05/2024		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	02/02/2025		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	06/16/2025		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	08/18/2025		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	12/01/2025		0.0100	ND				
Manganese, dissolved	mg/L	MWII-2	02/15/2026		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	07/26/2006	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	02/05/2007	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	10/16/2007	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	03/11/2008	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	06/10/2008	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	07/29/2008	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	11/10/2008	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	03/09/2009	yes	0.0110					
Manganese, dissolved	mg/L	MWII-5	05/18/2009	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	07/20/2009	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	11/02/2009	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	02/22/2010	yes	0.0080					
Manganese, dissolved	mg/L	MWII-5	08/23/2010	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	03/08/2011		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	08/02/2011		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	03/14/2012		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	08/27/2012		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	02/24/2013		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	08/26/2013		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	02/24/2014		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	05/27/2014		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	08/26/2014		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	11/11/2014		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	02/23/2015		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	05/31/2015		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	06/01/2015		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	08/31/2015		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	11/09/2015		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	03/17/2016		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	05/23/2016		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	08/15/2016		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	10/26/2016		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	02/14/2017		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	05/23/2017		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	08/15/2017		0.0100	ND				

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*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Manganese, dissolved	mg/L	MWII-5	11/14/2017		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	02/13/2018		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	05/15/2018		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	08/14/2018		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	11/13/2018		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	02/19/2019		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	06/19/2019		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	08/27/2019		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	11/12/2019		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	02/26/2020		0.0040					
Manganese, dissolved	mg/L	MWII-5	05/17/2020		0.0066					
Manganese, dissolved	mg/L	MWII-5	07/19/2020		0.0071					
Manganese, dissolved	mg/L	MWII-5	10/26/2020		0.0049					
Manganese, dissolved	mg/L	MWII-5	01/12/2021		0.0051					
Manganese, dissolved	mg/L	MWII-5	04/13/2021		0.0041					
Manganese, dissolved	mg/L	MWII-5	07/26/2021		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	10/18/2021		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	03/27/2022		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	05/09/2022		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	08/23/2022		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	11/16/2022		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	02/07/2023		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	05/14/2023		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	09/18/2023		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	11/13/2023		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	02/04/2024		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	04/29/2024		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	07/23/2024		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	11/05/2024		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	02/02/2025		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	06/16/2025		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	08/18/2025		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	12/01/2025		0.0100	ND				
Manganese, dissolved	mg/L	MWII-5	02/15/2026		0.0100	ND				
Manganese, dissolved	mg/L	MWII-7	03/10/2009	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-7	05/18/2009	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-7	07/20/2009	yes	0.0100	ND				
Manganese, dissolved	mg/L	MWII-7	11/02/2009	yes	0.0140					
Manganese, dissolved	mg/L	MWII-7	02/22/2010	yes	0.0088					
Manganese, dissolved	mg/L	MWII-7	06/01/2010	yes	0.0120					
Manganese, dissolved	mg/L	MWII-7	08/23/2010	yes	0.0110					
Manganese, dissolved	mg/L	MWII-7	11/16/2010	yes	0.0100	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Manganese, dissolved	mg/L	MWII-7	03/08/2011		0.0100	ND		0.0107		
Manganese, dissolved	mg/L	MWII-7	05/10/2011		0.0100	ND		0.0107		
Manganese, dissolved	mg/L	MWII-7	08/02/2011		0.0110			0.0107		
Manganese, dissolved	mg/L	MWII-7	11/16/2011		0.0270			0.0254		**
Manganese, dissolved	mg/L	MWII-7	03/14/2012		0.0200			0.0184		**
Manganese, dissolved	mg/L	MWII-7	06/05/2012		0.0100	ND		0.0107		
Manganese, dissolved	mg/L	MWII-7	08/27/2012		0.0100	ND		0.0107		
Manganese, dissolved	mg/L	MWII-7	11/13/2012		0.0240			0.0224		**
Manganese, dissolved	mg/L	MWII-7	02/24/2013		0.0330			0.0314		**
Manganese, dissolved	mg/L	MWII-7	06/04/2013		0.0100	ND		0.0107		
Manganese, dissolved	mg/L	MWII-7	08/26/2013		0.0100	ND		0.0107		
Manganese, dissolved	mg/L	MWII-7	02/24/2014		0.0100	ND		0.0107		
Manganese, dissolved	mg/L	MWII-7	05/27/2014		0.0100	ND		0.0107		
Manganese, dissolved	mg/L	MWII-7	08/26/2014		0.0100	ND		0.0107		
Manganese, dissolved	mg/L	MWII-7	11/11/2014		0.0120			0.0107		
Manganese, dissolved	mg/L	MWII-7	02/23/2015		0.0220			0.0204		**
Manganese, dissolved	mg/L	MWII-7	05/31/2015		0.0250			0.0234		**
Manganese, dissolved	mg/L	MWII-7	08/31/2015		1.4000			1.3984		**
Manganese, dissolved	mg/L	MWII-7	11/09/2015		1.0000			0.9984		**
Manganese, dissolved	mg/L	MWII-7	03/23/2016		1.1000			1.0984		**
Manganese, dissolved	mg/L	MWII-7	05/23/2016		1.4000			1.3984		**
Manganese, dissolved	mg/L	MWII-7	08/15/2016		1.2000			1.1984		**
Manganese, dissolved	mg/L	MWII-7	10/26/2016		0.9500			0.9484		**
Manganese, dissolved	mg/L	MWII-7	02/14/2017		0.5300			0.5284		**
Manganese, dissolved	mg/L	MWII-7	05/23/2017		1.7000			1.6984		**
Manganese, dissolved	mg/L	MWII-7	08/15/2017		1.3000			1.2984		**
Manganese, dissolved	mg/L	MWII-7	11/14/2017		1.3000			1.2984		**
Manganese, dissolved	mg/L	MWII-7	02/13/2018		1.5000			1.4984		**
Manganese, dissolved	mg/L	MWII-7	05/15/2018		1.4000			1.3984		**
Manganese, dissolved	mg/L	MWII-7	08/14/2018		1.3000			1.2984		**
Manganese, dissolved	mg/L	MWII-7	11/13/2018		1.5000			1.4984		**
Manganese, dissolved	mg/L	MWII-7	02/19/2019		1.0000			0.9984		**
Manganese, dissolved	mg/L	MWII-7	06/19/2019		1.1000			1.0984		**
Manganese, dissolved	mg/L	MWII-7	08/27/2019		0.9900			0.9884		**
Manganese, dissolved	mg/L	MWII-7	11/13/2019		0.7600			0.7584		**
Manganese, dissolved	mg/L	MWII-7	02/27/2020		0.7600			0.7584		**
Manganese, dissolved	mg/L	MWII-7	05/17/2020		0.5800			0.5784		**
Manganese, dissolved	mg/L	MWII-7	07/19/2020		0.4100			0.4084		**
Manganese, dissolved	mg/L	MWII-7	10/26/2020		0.5300			0.5284		**
Manganese, dissolved	mg/L	MWII-7	01/12/2021		0.3200			0.3184		**
Manganese, dissolved	mg/L	MWII-7	04/13/2021		0.3600			0.3584		**
Manganese, dissolved	mg/L	MWII-7	07/26/2021		0.3900			0.3884		**

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Manganese, dissolved	mg/L	MWII-7	10/18/2021		0.3800			0.3784		**
Manganese, dissolved	mg/L	MWII-7	03/27/2022		0.2500			0.2484		**
Manganese, dissolved	mg/L	MWII-7	05/09/2022		0.2700			0.2684		**
Manganese, dissolved	mg/L	MWII-7	08/23/2022		0.2600			0.2584		**
Manganese, dissolved	mg/L	MWII-7	11/16/2022		0.2300			0.2284		**
Manganese, dissolved	mg/L	MWII-7	02/06/2023		0.3000			0.2984		**
Manganese, dissolved	mg/L	MWII-7	05/14/2023		0.2700			0.2684		**
Manganese, dissolved	mg/L	MWII-7	09/18/2023		0.2400			0.2384		**
Manganese, dissolved	mg/L	MWII-7	11/14/2023		0.3500			0.3484		**
Manganese, dissolved	mg/L	MWII-7	02/04/2024		0.2800			0.2784		**
Manganese, dissolved	mg/L	MWII-7	04/29/2024		1.2000			1.1984		**
Manganese, dissolved	mg/L	MWII-7	07/23/2024		0.6000			0.5984		**
Manganese, dissolved	mg/L	MWII-7	11/05/2024		0.4800			0.4784		**
Manganese, dissolved	mg/L	MWII-7	02/02/2025		0.4100			0.4084		**
Manganese, dissolved	mg/L	MWII-7	06/16/2025		0.3600			0.3584		**
Manganese, dissolved	mg/L	MWII-7	08/18/2025		0.3300			0.3284		**
Manganese, dissolved	mg/L	MWII-7	12/01/2025		0.3800			0.3784		**
Manganese, dissolved	mg/L	MWII-7	02/15/2026		0.3500			0.3484		**
Manganese, total	mg/L	MWII-2	07/25/2006	yes	0.0100	ND				
Manganese, total	mg/L	MWII-2	02/05/2007	yes	0.0100	ND				
Manganese, total	mg/L	MWII-2	10/16/2007	yes	0.0100	ND				
Manganese, total	mg/L	MWII-2	06/10/2008	yes	0.0100	ND				
Manganese, total	mg/L	MWII-2	07/29/2008	yes	0.0130					
Manganese, total	mg/L	MWII-2	11/10/2008	yes	0.0100	ND				
Manganese, total	mg/L	MWII-2	03/10/2009	yes	0.0100	ND				
Manganese, total	mg/L	MWII-2	05/18/2009	yes	0.0100	ND				
Manganese, total	mg/L	MWII-2	07/20/2009	yes	0.0100	ND				
Manganese, total	mg/L	MWII-2	11/02/2009	yes	0.0100	ND				
Manganese, total	mg/L	MWII-2	02/22/2010	yes	0.0041					
Manganese, total	mg/L	MWII-2	02/24/2013		0.0100	ND				
Manganese, total	mg/L	MWII-2	08/26/2013		0.0100	ND				
Manganese, total	mg/L	MWII-2	02/24/2014		0.0120					
Manganese, total	mg/L	MWII-2	05/27/2014		0.0100	ND				
Manganese, total	mg/L	MWII-2	08/26/2014		0.0100	ND				
Manganese, total	mg/L	MWII-2	11/11/2014		0.0100	ND				
Manganese, total	mg/L	MWII-2	02/23/2015		0.0100	ND				
Manganese, total	mg/L	MWII-2	05/31/2015		0.0100	ND				
Manganese, total	mg/L	MWII-2	08/31/2015		0.0100	ND				
Manganese, total	mg/L	MWII-2	11/09/2015		0.0100	ND				
Manganese, total	mg/L	MWII-2	03/23/2016		0.0100	ND				
Manganese, total	mg/L	MWII-2	05/23/2016		0.0100	ND				
Manganese, total	mg/L	MWII-2	08/15/2016		0.0100	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Manganese, total	mg/L	MWII-2	10/26/2016		0.0100	ND				
Manganese, total	mg/L	MWII-2	02/14/2017		0.0100	ND				
Manganese, total	mg/L	MWII-2	05/23/2017		0.0100	ND				
Manganese, total	mg/L	MWII-2	08/15/2017		0.0100	ND				
Manganese, total	mg/L	MWII-2	11/14/2017		0.0100	ND				
Manganese, total	mg/L	MWII-2	02/13/2018		0.0100	ND				
Manganese, total	mg/L	MWII-2	05/15/2018		0.0100	ND				
Manganese, total	mg/L	MWII-2	08/14/2018		0.0100	ND				
Manganese, total	mg/L	MWII-2	11/13/2018		0.0100	ND				
Manganese, total	mg/L	MWII-2	02/19/2019		0.0100	ND				
Manganese, total	mg/L	MWII-2	06/19/2019		0.0100	ND				
Manganese, total	mg/L	MWII-2	08/27/2019		0.0100	ND				
Manganese, total	mg/L	MWII-2	11/13/2019		0.0100	ND				
Manganese, total	mg/L	MWII-2	02/27/2020		0.0047					
Manganese, total	mg/L	MWII-2	05/17/2020		0.0025					
Manganese, total	mg/L	MWII-2	07/19/2020		0.0031					
Manganese, total	mg/L	MWII-2	10/26/2020		0.0026					
Manganese, total	mg/L	MWII-2	01/12/2021		0.0025					
Manganese, total	mg/L	MWII-2	04/13/2021		0.0019	ND				
Manganese, total	mg/L	MWII-2	07/26/2021		0.0100	ND				
Manganese, total	mg/L	MWII-2	10/19/2021		0.0100	ND				
Manganese, total	mg/L	MWII-2	03/27/2022		0.0100	ND				
Manganese, total	mg/L	MWII-2	05/09/2022		0.0100	ND				
Manganese, total	mg/L	MWII-2	08/23/2022		0.0100	ND				
Manganese, total	mg/L	MWII-2	11/16/2022		0.0100	ND				
Manganese, total	mg/L	MWII-2	02/06/2023		0.0100	ND				
Manganese, total	mg/L	MWII-2	05/14/2023		0.0100	ND				
Manganese, total	mg/L	MWII-2	09/18/2023		0.0100	ND				
Manganese, total	mg/L	MWII-2	11/14/2023		0.0100	ND				
Manganese, total	mg/L	MWII-2	02/04/2024		0.0100	ND				
Manganese, total	mg/L	MWII-2	04/29/2024		0.0100	ND				
Manganese, total	mg/L	MWII-2	07/23/2024		0.0100	ND				
Manganese, total	mg/L	MWII-2	11/05/2024		0.0100	ND				
Manganese, total	mg/L	MWII-2	02/02/2025		0.0100	ND				
Manganese, total	mg/L	MWII-2	06/16/2025		0.0100	ND				
Manganese, total	mg/L	MWII-2	08/18/2025		0.0100	ND				
Manganese, total	mg/L	MWII-2	12/01/2025		0.0100	ND				
Manganese, total	mg/L	MWII-2	02/15/2026		0.0100	ND				
Manganese, total	mg/L	MWII-5	07/26/2006	yes	0.0100	ND				
Manganese, total	mg/L	MWII-5	02/05/2007	yes	0.0100	ND				
Manganese, total	mg/L	MWII-5	10/16/2007	yes	0.0100	ND				
Manganese, total	mg/L	MWII-5	06/10/2008	yes	0.0100	ND				

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ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Manganese, total	mg/L	MWII-5	07/29/2008	yes	0.0100	ND				
Manganese, total	mg/L	MWII-5	11/10/2008	yes	0.0100	ND				
Manganese, total	mg/L	MWII-5	03/09/2009	yes	0.0110					
Manganese, total	mg/L	MWII-5	05/18/2009	yes	0.0100	ND				
Manganese, total	mg/L	MWII-5	07/20/2009	yes	0.0100	ND				
Manganese, total	mg/L	MWII-5	11/02/2009	yes	0.0100	ND				
Manganese, total	mg/L	MWII-5	02/22/2010	yes	0.0071					
Manganese, total	mg/L	MWII-5	02/24/2013		0.0100	ND				
Manganese, total	mg/L	MWII-5	08/26/2013		0.0100	ND				
Manganese, total	mg/L	MWII-5	02/24/2014		0.0100	ND				
Manganese, total	mg/L	MWII-5	05/27/2014		0.0100	ND				
Manganese, total	mg/L	MWII-5	08/26/2014		0.0100					
Manganese, total	mg/L	MWII-5	11/11/2014		0.0100	ND				
Manganese, total	mg/L	MWII-5	02/23/2015		0.0100	ND				
Manganese, total	mg/L	MWII-5	05/31/2015		0.0100	ND				
Manganese, total	mg/L	MWII-5	08/31/2015		0.0100	ND				
Manganese, total	mg/L	MWII-5	11/09/2015		0.0100	ND				
Manganese, total	mg/L	MWII-5	03/17/2016		0.0100	ND				
Manganese, total	mg/L	MWII-5	05/23/2016		0.0100	ND				
Manganese, total	mg/L	MWII-5	08/15/2016		0.0100	ND				
Manganese, total	mg/L	MWII-5	10/26/2016		0.0100	ND				
Manganese, total	mg/L	MWII-5	02/14/2017		0.0100	ND				
Manganese, total	mg/L	MWII-5	05/23/2017		0.0100	ND				
Manganese, total	mg/L	MWII-5	08/15/2017		0.0100	ND				
Manganese, total	mg/L	MWII-5	11/14/2017		0.0100					
Manganese, total	mg/L	MWII-5	02/13/2018		0.0100	ND				
Manganese, total	mg/L	MWII-5	05/15/2018		0.0100	ND				
Manganese, total	mg/L	MWII-5	08/14/2018		0.0100	ND				
Manganese, total	mg/L	MWII-5	11/13/2018		0.0100	ND				
Manganese, total	mg/L	MWII-5	02/19/2019		0.0100	ND				
Manganese, total	mg/L	MWII-5	06/19/2019		0.0100	ND				
Manganese, total	mg/L	MWII-5	08/27/2019		0.0100	ND				
Manganese, total	mg/L	MWII-5	11/12/2019		0.0100	ND				
Manganese, total	mg/L	MWII-5	02/26/2020		0.0083					
Manganese, total	mg/L	MWII-5	05/17/2020		0.0079					
Manganese, total	mg/L	MWII-5	07/19/2020		0.0071					
Manganese, total	mg/L	MWII-5	10/26/2020		0.0052					
Manganese, total	mg/L	MWII-5	01/12/2021		0.0060					
Manganese, total	mg/L	MWII-5	04/13/2021		0.0043					
Manganese, total	mg/L	MWII-5	07/26/2021		0.0100	ND				
Manganese, total	mg/L	MWII-5	10/18/2021		0.0100	ND				
Manganese, total	mg/L	MWII-5	03/27/2022		0.0100	ND				

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** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.
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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Manganese, total	mg/L	MWII-5	05/09/2022		0.0100	ND				
Manganese, total	mg/L	MWII-5	08/23/2022		0.0100	ND				
Manganese, total	mg/L	MWII-5	11/16/2022		0.0100	ND				
Manganese, total	mg/L	MWII-5	02/07/2023		0.0100	ND				
Manganese, total	mg/L	MWII-5	05/14/2023		0.0100	ND				
Manganese, total	mg/L	MWII-5	09/18/2023		0.0100	ND				
Manganese, total	mg/L	MWII-5	11/13/2023		0.0100	ND				
Manganese, total	mg/L	MWII-5	02/04/2024		0.0100	ND				
Manganese, total	mg/L	MWII-5	04/29/2024		0.0100	ND				
Manganese, total	mg/L	MWII-5	07/23/2024		0.0100	ND				
Manganese, total	mg/L	MWII-5	11/05/2024		0.0100	ND				
Manganese, total	mg/L	MWII-5	02/02/2025		0.0100	ND				
Manganese, total	mg/L	MWII-5	06/16/2025		0.0100	ND				
Manganese, total	mg/L	MWII-5	08/18/2025		0.0100	ND				
Manganese, total	mg/L	MWII-5	12/01/2025		0.0100	ND				
Manganese, total	mg/L	MWII-5	02/15/2026		0.0100	ND				
Manganese, total	mg/L	MWII-7	03/10/2009	yes	0.0100	ND				
Manganese, total	mg/L	MWII-7	05/18/2009	yes	0.0100	ND				
Manganese, total	mg/L	MWII-7	07/20/2009	yes	0.0100	ND				
Manganese, total	mg/L	MWII-7	11/02/2009	yes	0.0160					
Manganese, total	mg/L	MWII-7	02/22/2010	yes	0.0099					
Manganese, total	mg/L	MWII-7	06/05/2012		0.0100	ND		0.0112		
Manganese, total	mg/L	MWII-7	08/27/2012		0.0100	ND		0.0112		
Manganese, total	mg/L	MWII-7	11/13/2012		0.0210			0.0183		
Manganese, total	mg/L	MWII-7	02/24/2013		0.0330			0.0374		**
Manganese, total	mg/L	MWII-7	06/04/2013		0.0100	ND		0.0112		
Manganese, total	mg/L	MWII-7	08/26/2013		0.0100	ND		0.0112		
Manganese, total	mg/L	MWII-7	02/24/2014		0.0100	ND		0.0112		
Manganese, total	mg/L	MWII-7	05/27/2014		0.0300			0.0273		**
Manganese, total	mg/L	MWII-7	08/26/2014		0.0100	ND		0.0112		
Manganese, total	mg/L	MWII-7	11/11/2014		0.0140			0.0113		
Manganese, total	mg/L	MWII-7	02/23/2015		0.0430			0.0404		**
Manganese, total	mg/L	MWII-7	05/31/2015		0.0260			0.0234		**
Manganese, total	mg/L	MWII-7	08/31/2015		1.5000			1.4974		**
Manganese, total	mg/L	MWII-7	11/09/2015		1.1000			1.0974		**
Manganese, total	mg/L	MWII-7	03/23/2016		1.3000			1.2974		**
Manganese, total	mg/L	MWII-7	05/23/2016		1.2000			1.1974		**
Manganese, total	mg/L	MWII-7	08/15/2016		1.2000			1.1974		**
Manganese, total	mg/L	MWII-7	10/26/2016		0.9700			0.9674		**
Manganese, total	mg/L	MWII-7	02/14/2017		0.6900			0.6874		**
Manganese, total	mg/L	MWII-7	05/23/2017		1.6000			1.5974		**
Manganese, total	mg/L	MWII-7	08/15/2017		1.4000			1.3974		**

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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Manganese, total	mg/L	MWII-7	11/14/2017		1.4000			1.3974		**
Manganese, total	mg/L	MWII-7	02/13/2018		1.4000			1.3974		**
Manganese, total	mg/L	MWII-7	05/15/2018		1.5000			1.4974		**
Manganese, total	mg/L	MWII-7	08/14/2018		1.3000			1.2974		**
Manganese, total	mg/L	MWII-7	11/13/2018		1.4000			1.3974		**
Manganese, total	mg/L	MWII-7	02/19/2019		1.0000			0.9974		**
Manganese, total	mg/L	MWII-7	06/19/2019		1.1000			1.0974		**
Manganese, total	mg/L	MWII-7	08/27/2019		1.1000			1.0974		**
Manganese, total	mg/L	MWII-7	11/13/2019		0.8500			0.8474		**
Manganese, total	mg/L	MWII-7	02/27/2020		0.7800			0.7774		**
Manganese, total	mg/L	MWII-7	05/17/2020		0.5800			0.5774		**
Manganese, total	mg/L	MWII-7	07/19/2020		0.4700			0.4674		**
Manganese, total	mg/L	MWII-7	10/26/2020		0.6000			0.5974		**
Manganese, total	mg/L	MWII-7	01/12/2021		0.3500			0.3474		**
Manganese, total	mg/L	MWII-7	04/13/2021		0.4400			0.4374		**
Manganese, total	mg/L	MWII-7	07/26/2021		0.4800			0.4774		**
Manganese, total	mg/L	MWII-7	10/18/2021		0.3900			0.3874		**
Manganese, total	mg/L	MWII-7	03/27/2022		0.2800			0.2774		**
Manganese, total	mg/L	MWII-7	05/09/2022		0.2900			0.2874		**
Manganese, total	mg/L	MWII-7	08/23/2022		0.2700			0.2674		**
Manganese, total	mg/L	MWII-7	11/16/2022		0.3100			0.3074		**
Manganese, total	mg/L	MWII-7	02/06/2023		0.2700			0.2674		**
Manganese, total	mg/L	MWII-7	05/14/2023		0.3800			0.3774		**
Manganese, total	mg/L	MWII-7	09/18/2023		0.2500			0.2474		**
Manganese, total	mg/L	MWII-7	11/14/2023		0.4500			0.4474		**
Manganese, total	mg/L	MWII-7	02/04/2024		0.2700			0.2674		**
Manganese, total	mg/L	MWII-7	04/29/2024		1.2000			1.1974		**
Manganese, total	mg/L	MWII-7	07/23/2024		0.6000			0.5974		**
Manganese, total	mg/L	MWII-7	11/05/2024		0.5500			0.5474		**
Manganese, total	mg/L	MWII-7	02/02/2025		0.3700			0.3674		**
Manganese, total	mg/L	MWII-7	06/16/2025		0.3800			0.3774		**
Manganese, total	mg/L	MWII-7	08/18/2025		0.3300			0.3274		**
Manganese, total	mg/L	MWII-7	12/01/2025		0.3900			0.3874		**
Manganese, total	mg/L	MWII-7	02/15/2026		0.3500			0.3474		**
Total organic carbon (toc)	mg/L	MWII-2	03/12/1996	yes	1.5000					
Total organic carbon (toc)	mg/L	MWII-2	05/14/1996	yes	1.5000					
Total organic carbon (toc)	mg/L	MWII-2	08/06/1996	yes	2.3000					
Total organic carbon (toc)	mg/L	MWII-2	01/14/1997	yes	3.3000					
Total organic carbon (toc)	mg/L	MWII-2	07/08/1997	yes	1.7000					
Total organic carbon (toc)	mg/L	MWII-2	01/13/1998	yes	1.9000					
Total organic carbon (toc)	mg/L	MWII-2	08/10/1998	yes	1.6000					
Total organic carbon (toc)	mg/L	MWII-2	01/11/1999	yes	2.3000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Total organic carbon (toc)	mg/L	MWII-2	07/12/1999	yes	3.0000					
Total organic carbon (toc)	mg/L	MWII-2	01/10/2000	yes	1.6000					
Total organic carbon (toc)	mg/L	MWII-2	07/10/2000	yes	2.0000					
Total organic carbon (toc)	mg/L	MWII-2	01/29/2001	yes	3.7000					
Total organic carbon (toc)	mg/L	MWII-2	08/06/2001	yes	2.9000					
Total organic carbon (toc)	mg/L	MWII-2	01/29/2002	yes	2.6000					
Total organic carbon (toc)	mg/L	MWII-2	08/05/2002	yes	2.5000					
Total organic carbon (toc)	mg/L	MWII-2	01/28/2003	yes	2.3000					
Total organic carbon (toc)	mg/L	MWII-2	08/04/2003	yes	1.1000					
Total organic carbon (toc)	mg/L	MWII-2	01/27/2004	yes	1.5000					
Total organic carbon (toc)	mg/L	MWII-2	08/09/2004	yes	1.9000					
Total organic carbon (toc)	mg/L	MWII-2	01/24/2005	yes	2.1000					
Total organic carbon (toc)	mg/L	MWII-2	07/18/2005	yes	1.9000					
Total organic carbon (toc)	mg/L	MWII-2	01/23/2006	yes	2.7000					
Total organic carbon (toc)	mg/L	MWII-2	07/25/2006	yes	1.9000					
Total organic carbon (toc)	mg/L	MWII-2	02/05/2007	yes	1.2000					
Total organic carbon (toc)	mg/L	MWII-2	10/16/2007	yes	1.2000					
Total organic carbon (toc)	mg/L	MWII-2	03/11/2008	yes	1.0000	ND				
Total organic carbon (toc)	mg/L	MWII-2	06/10/2008	yes	1.0000	ND				
Total organic carbon (toc)	mg/L	MWII-2	07/29/2008	yes	1.3000					
Total organic carbon (toc)	mg/L	MWII-2	11/10/2008	yes	1.4000					
Total organic carbon (toc)	mg/L	MWII-2	03/10/2009	yes	2.1000					
Total organic carbon (toc)	mg/L	MWII-2	05/18/2009	yes	1.8000					
Total organic carbon (toc)	mg/L	MWII-2	07/20/2009	yes	1.6000					
Total organic carbon (toc)	mg/L	MWII-2	11/02/2009	yes	1.9000					
Total organic carbon (toc)	mg/L	MWII-2	02/22/2010	yes	1.8000					
Total organic carbon (toc)	mg/L	MWII-2	08/23/2010	yes	1.5000					
Total organic carbon (toc)	mg/L	MWII-2	03/08/2011		1.6000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	08/02/2011		1.6000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	03/14/2012		1.1000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	08/27/2012		1.0000	ND		1.9314		
Total organic carbon (toc)	mg/L	MWII-2	02/24/2013		1.2000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	08/26/2013		1.6000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	02/24/2014		1.6000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	05/27/2014		2.0000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	08/26/2014		1.5000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	11/11/2014		1.3000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	02/23/2015		1.2000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	05/31/2015		1.5000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	08/31/2015		1.2000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	11/09/2015		2.3000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	03/23/2016		1.2000			1.9314		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Total organic carbon (toc)	mg/L	MWII-2	05/23/2016		1.4000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	08/15/2016		1.2000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	10/26/2016		1.3000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	02/14/2017		1.3000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	05/23/2017		1.5000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	08/15/2017		1.5000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	11/14/2017		1.4000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	02/13/2018		3.6000			3.1144		
Total organic carbon (toc)	mg/L	MWII-2	05/15/2018		1.1000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	08/14/2018		1.3000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	11/13/2018		1.2000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	02/19/2019		1.2000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	06/19/2019		1.4000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	08/27/2019		1.6000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	11/13/2019		1.5000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	02/27/2020		1.1000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	05/17/2020		1.9000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	07/19/2020		1.5000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	10/26/2020		1.8000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	01/12/2021		1.5000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	04/13/2021		2.0000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	07/26/2021		1.4000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	10/19/2021		2.2000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	03/27/2022		1.3000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	05/09/2022		3.9000			3.4144		
Total organic carbon (toc)	mg/L	MWII-2	08/23/2022		1.0000			1.9973		
Total organic carbon (toc)	mg/L	MWII-2	11/16/2022		1.5000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	02/06/2023		1.9000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	05/14/2023		1.7000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	09/18/2023		1.8000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	11/14/2023		1.0000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	02/04/2024		1.1000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	04/29/2024		1.7000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	07/23/2024		2.0000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	11/05/2024		2.4000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	02/02/2025		1.8000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	06/16/2025		1.5000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	08/18/2025		1.3000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	12/01/2025		1.2000			1.9314		
Total organic carbon (toc)	mg/L	MWII-2	02/15/2026		1.6000			1.9314		
Total organic carbon (toc)	mg/L	MWII-5	03/12/1996	yes	1.1000					
Total organic carbon (toc)	mg/L	MWII-5	05/14/1996	yes	1.2000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Total organic carbon (toc)	mg/L	MWII-5	08/06/1996	yes	1.7000					
Total organic carbon (toc)	mg/L	MWII-5	01/14/1997	yes	2.9000					
Total organic carbon (toc)	mg/L	MWII-5	01/13/1998	yes	1.8000					
Total organic carbon (toc)	mg/L	MWII-5	01/11/1999	yes	2.0000					
Total organic carbon (toc)	mg/L	MWII-5	01/10/2000	yes	1.7000					
Total organic carbon (toc)	mg/L	MWII-5	07/10/2000	yes	1.2000					
Total organic carbon (toc)	mg/L	MWII-5	01/29/2001	yes	3.0000					
Total organic carbon (toc)	mg/L	MWII-5	01/29/2002	yes	2.5000					
Total organic carbon (toc)	mg/L	MWII-5	01/28/2003	yes	2.2000					
Total organic carbon (toc)	mg/L	MWII-5	01/27/2004	yes	1.6000					
Total organic carbon (toc)	mg/L	MWII-5	08/09/2004	yes	1.8000					
Total organic carbon (toc)	mg/L	MWII-5	01/24/2005	yes	1.7000					
Total organic carbon (toc)	mg/L	MWII-5	07/18/2005	yes	1.7000					
Total organic carbon (toc)	mg/L	MWII-5	01/23/2006	yes	1.8000					
Total organic carbon (toc)	mg/L	MWII-5	07/26/2006	yes	2.0000					
Total organic carbon (toc)	mg/L	MWII-5	02/05/2007	yes	1.7000					
Total organic carbon (toc)	mg/L	MWII-5	10/16/2007	yes	1.3000					
Total organic carbon (toc)	mg/L	MWII-5	03/11/2008	yes	1.0000	ND				
Total organic carbon (toc)	mg/L	MWII-5	06/10/2008	yes	1.1000					
Total organic carbon (toc)	mg/L	MWII-5	07/29/2008	yes	1.6000					
Total organic carbon (toc)	mg/L	MWII-5	11/10/2008	yes	1.7000					
Total organic carbon (toc)	mg/L	MWII-5	03/09/2009	yes	1.9000					
Total organic carbon (toc)	mg/L	MWII-5	05/18/2009	yes	1.9000					
Total organic carbon (toc)	mg/L	MWII-5	07/20/2009	yes	1.7000					
Total organic carbon (toc)	mg/L	MWII-5	11/02/2009	yes	2.3000					
Total organic carbon (toc)	mg/L	MWII-5	02/22/2010	yes	2.1000					
Total organic carbon (toc)	mg/L	MWII-5	08/23/2010	yes	1.6000					
Total organic carbon (toc)	mg/L	MWII-5	03/08/2011		1.3000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	08/02/2011		1.5000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	03/14/2012		1.9000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	08/27/2012		1.4000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	02/24/2013		1.5000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	08/26/2013		1.6000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	02/24/2014		1.9000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	05/27/2014		2.0000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	08/26/2014		1.8000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	11/11/2014		1.5000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	02/23/2015		1.6000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	05/31/2015		2.2000			1.8382		
Total organic carbon (toc)	mg/L	MWII-5	06/01/2015		2.0000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	08/31/2015		1.7000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	11/09/2015		1.8000			1.7862		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Total organic carbon (toc)	mg/L	MWII-5	03/17/2016		1.8000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	05/23/2016		2.1000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	08/15/2016		2.2000			1.8382		
Total organic carbon (toc)	mg/L	MWII-5	10/26/2016		2.1000			1.7903		
Total organic carbon (toc)	mg/L	MWII-5	02/14/2017		1.8000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	05/23/2017		2.0000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	08/15/2017		1.8000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	11/14/2017		2.0000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	02/13/2018		2.0000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	05/15/2018		1.3000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	08/14/2018		1.5000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	11/13/2018		1.3000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	02/19/2019		1.4000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	06/19/2019		1.3000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	08/27/2019		1.7000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	11/12/2019		1.4000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	02/26/2020		1.5000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	05/17/2020		1.9000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	07/19/2020		1.6000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	10/26/2020		1.7000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	01/12/2021		1.5000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	04/13/2021		1.4000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	07/26/2021		1.2000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	10/18/2021		2.0000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	03/27/2022		1.3000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	05/09/2022		1.4000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	08/23/2022		1.4000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	11/16/2022		2.3000			1.9382		
Total organic carbon (toc)	mg/L	MWII-5	02/07/2023		2.0000			1.7903		
Total organic carbon (toc)	mg/L	MWII-5	05/14/2023		1.8000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	09/18/2023		2.0000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	11/13/2023		1.0000	ND		1.7862		
Total organic carbon (toc)	mg/L	MWII-5	02/04/2024		1.8000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	04/29/2024		1.5000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	07/23/2024		2.2000			1.8382		
Total organic carbon (toc)	mg/L	MWII-5	11/05/2024		2.7000			2.3903		
Total organic carbon (toc)	mg/L	MWII-5	02/02/2025		2.4000			2.6423		
Total organic carbon (toc)	mg/L	MWII-5	06/16/2025		1.9000			2.3943		
Total organic carbon (toc)	mg/L	MWII-5	08/18/2025		1.7000			1.9464		
Total organic carbon (toc)	mg/L	MWII-5	12/01/2025		1.9000			1.7862		
Total organic carbon (toc)	mg/L	MWII-5	02/15/2026		2.1000			1.7862		
Total organic carbon (toc)	mg/L	MWII-7	03/10/2009	yes	3.5000					

* - Outlier for that well and constituent.
** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.
*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Total organic carbon (toc)	mg/L	MWII-7	05/18/2009	yes	3.5000					
Total organic carbon (toc)	mg/L	MWII-7	07/20/2009	yes	2.8000					
Total organic carbon (toc)	mg/L	MWII-7	11/02/2009	yes	2.5000					
Total organic carbon (toc)	mg/L	MWII-7	02/22/2010	yes	1.9000					
Total organic carbon (toc)	mg/L	MWII-7	06/01/2010	yes	2.9000					
Total organic carbon (toc)	mg/L	MWII-7	08/23/2010	yes	2.2000					
Total organic carbon (toc)	mg/L	MWII-7	11/16/2010	yes	2.7000					
Total organic carbon (toc)	mg/L	MWII-7	03/08/2011		1.8000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	05/10/2011		2.5000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	08/02/2011		2.3000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	11/16/2011		3.4000			2.8343		
Total organic carbon (toc)	mg/L	MWII-7	03/14/2012		2.7000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	06/05/2012		1.9000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	08/27/2012		1.8000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	11/13/2012		3.0000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	02/24/2013		1.9000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	06/04/2013		2.1000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	08/26/2013		1.5000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	02/24/2014		2.2000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	05/27/2014		2.7000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	08/26/2014		1.8000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	11/11/2014		1.9000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	02/23/2015		1.3000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	05/31/2015		2.0000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	08/31/2015		4.9000			4.3343		
Total organic carbon (toc)	mg/L	MWII-7	11/09/2015		3.5000			4.5186		
Total organic carbon (toc)	mg/L	MWII-7	03/23/2016		2.4000			3.6029		
Total organic carbon (toc)	mg/L	MWII-7	05/23/2016		2.6000			2.8873		
Total organic carbon (toc)	mg/L	MWII-7	08/15/2016		2.3000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	10/26/2016		2.4000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	02/14/2017		3.4000			2.8343		
Total organic carbon (toc)	mg/L	MWII-7	05/23/2017		3.6000			3.1186		
Total organic carbon (toc)	mg/L	MWII-7	08/15/2017		2.8000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	11/14/2017		3.8000			3.2343		
Total organic carbon (toc)	mg/L	MWII-7	02/13/2018		4.2000			4.1186		
Total organic carbon (toc)	mg/L	MWII-7	05/15/2018		2.4000			3.2029		
Total organic carbon (toc)	mg/L	MWII-7	08/14/2018		2.5000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	11/13/2018		2.6000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	02/19/2019		2.1000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	06/19/2019		2.8000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	08/27/2019		2.4000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	11/13/2019		2.2000			2.7500		

* - Outlier for that well and constituent.
** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.
*** - ND value replaced with median RL.
**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Total organic carbon (toc)	mg/L	MWII-7	02/27/2020		3.0000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	05/17/2020		2.4000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	07/19/2020		2.2000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	10/26/2020		3.3000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	01/12/2021		2.5000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	04/13/2021		2.8000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	07/26/2021		1.8000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	10/18/2021		3.1000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	03/27/2022		1.7000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	05/09/2022		2.2000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	08/23/2022		1.5000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	11/16/2022		1.9000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	02/06/2023		2.4000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	05/14/2023		3.2000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	09/18/2023		2.9000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	11/14/2023		3.4000			2.8343		
Total organic carbon (toc)	mg/L	MWII-7	02/04/2024		2.6000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	04/29/2024		3.6000			3.0343		
Total organic carbon (toc)	mg/L	MWII-7	07/23/2024		3.5000			3.2186		
Total organic carbon (toc)	mg/L	MWII-7	11/05/2024		3.3000			3.2029		
Total organic carbon (toc)	mg/L	MWII-7	02/02/2025		3.0000			2.8873		
Total organic carbon (toc)	mg/L	MWII-7	06/16/2025		2.8000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	08/18/2025		2.5000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	12/01/2025		2.6000			2.7500		
Total organic carbon (toc)	mg/L	MWII-7	02/15/2026		3.1000			2.7500		

* - Outlier for that well and constituent.
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**** - ND value replaced with manual RL.
ND = Not detected, Result = detection limit.

Table 4

Dixon's Test Outliers
1% Significance Level

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Arsenic, total	mg/L	MWII-5	03/12/1996	0.0040		03/12/1996-02/22/2010	24	0.4969
Iron, total	mg/L	MWII-5	01/11/1999	0.3200		03/12/1996-02/22/2010	24	0.4969

N = Total number of independent measurements in background at each well.
Date Range = Dates of the first and last measurements included in background at each well.
Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.