

October 10, 2026

Transmitted Electronically

Mr. Austin Tweedy
Hydrogeologist
Division of Environmental Response & Revitalization
Ohio EPA – Southeast District Office
2195 Front Street
Logan, Ohio 43138

**Re: 2026 Second Quarter Groundwater Monitoring Report
Howmet - Former WearEver Facility
Chillicothe, Ohio**

Dear Mr. Tweedy:

Attached, please find the above-referenced groundwater monitoring report for the former WearEver facility, located in Chillicothe, Ohio.

If you have any questions or desire additional information, please do not hesitate to call.

Best regards,

Key Environmental, Inc.



Eric Lloyd
Project Geologist

cc: Tom Silverman - Howmet

Attachment

**GROUNDWATER MONITORING REPORT
SECOND QUARTER SAMPLING EVENT
JUNE 2026**

**HOWMET FORMER WEAREVER FACILITY
CHILlicothe, OHIO
OCTOBER 2026**

Prepared for:

**HOWMET AEROSPACE INC.
201 Isabella Street
Pittsburgh, Pennsylvania 15212**

Prepared by:

**KEY Environmental, Inc.
200 Third Avenue
Carnegie, Pennsylvania 15106
(412) 279-3363
FAX: (412) 279-4332
KEY Environmental Project No. 25046**

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1.0 INTRODUCTION

Historical manufacturing at the Howmet Aerospace Inc. (formerly known as Alcoa Inc. and more recently known as Arconic Inc.) Former WearEver Facility (Site) located in Chillicothe, Ohio, has resulted in the presence of volatile organic compounds (VOCs) in subsurface soils and groundwater at the Site. Figure 1 is a location map for the Site and surrounding areas. Remedial investigations have determined that on-Site VOCs sustain a groundwater plume that extends off-Site to a non-potable production well located approximately 2,000 feet (ft) northeast of the Site. The production wells were operated by a paper mill that was sold by the Glatfelter Paper Company, Inc. (Glatfelter) to Pixelle Specialty Solutions (Pixelle) on October 9, 2019, per the Ross County Clerk records. Pixelle closed the paper mill facility in August 2025, and subsequently sold it to U.S. Paper Mill (USPM), which continues to operate the production wells.

In March of 1999, Alcoa entered into an agreement (Director’s Final Findings and Orders) with the Ohio Environmental Protection Agency (Ohio EPA) to perform specific remedial actions at the Site, and to monitor the groundwater plume. Although the on-Site remedial actions have improved groundwater quality, the off-Site VOC groundwater plume is expected to persist for many years.

The Groundwater Monitoring Plan (GWMP; KEY Environmental, 2012) was updated in March 2012 to document changes to the predominant groundwater flow direction and monitoring trigger data. The GWMP was approved by the Ohio EPA on June 4, 2012.

The Fifth Revision of the GWMP describes the groundwater monitoring activities to be performed at the Site. The Second Quarter 2026 event included those elements of the GWMP listed as “quarterly,” including:

- 1) Monitoring of groundwater flow direction in the plume area and along the southeastern property line;
- 2) Monitoring groundwater quality on the southeastern Site area and off-Site center line of the VOC plume; and
- 3) Downloading data from the barometric pressure transducer and transducer data loggers installed in monitoring wells MW-H-I, MW-I-I, and MW-F-I.

In addition to the revisions contained in the March 2012 GWMP, additional monitoring recommendations were made during the course of the Third Five-Year Review conducted in 2015. These recommendations, which were approved by Ohio EPA in a February 3, 2016 response letter, consist of:

- Discontinue sampling of the Hammond Well (unless a southeast shift of groundwater flow direction occurs);
- Discontinue sampling of monitoring wells MW-D-D and MW-H-I; and
- Reduce sampling to annual at monitoring wells MW-D-I, MW-I-I, and MW-G-I.

Appendix A of this report includes Table 1 and Figure 2 of the revised GWMP that provide the schedule for sample collection and analysis, and the locations of the on- and off-Site monitoring wells.

The objectives of the quarterly monitoring events described in the revised GWMP are as follows:

- 1) Confirm that hydrodynamic control of the existing off-Site VOC groundwater plume is maintained by the Collector Wells 17 and 18, located to the east and northeast of the Site, by detecting potential southerly shifting of the plume toward potential groundwater receptors southeast of the Site; and
- 2) Monitor the sample concentrations of the off-Site plume.

In addition to these objectives, the GWMP includes performing water level measurements in selected wells to monitor the groundwater flow direction and the Groundwater Use Notification Agreements (GWUNAs) placed on the properties surrounding the Site.

The Second Quarter 2026 Sampling Event was completed in June 2026. This report has been prepared to present the results of the monitoring performed under the revised GWMP.

2.0 MONITORING ACTIVITIES

On behalf of Howmet, Field and Technical Services, LLC (FTS) conducted the Second Quarter 2026 monitoring activities in accordance with the revised GWMP dated March 2012 and the approved monitoring changes recommended in the Third Five-Year Review. The Second Quarter 2026 sampling event included the following activities:

- Measuring water levels at Site-related monitoring wells;
- Retrieving groundwater samples from 10 monitoring wells;
- Downloading data from the barometric pressure transducer and continuous water level recorders maintained within three on-Site wells, MW-F-I, MW-H-I, and MW-I-I; and
- Installing Equilibrator[®] passive diffusion samplers in monitoring wells (after completion of the groundwater sample collection).

During a previous sampling event, FTS installed passive diffusion samplers in the quarterly monitoring wells. The passive samplers were allowed to equilibrate for approximately three months (between March 10, 2026 and June 23, 2026), prior to collection on June 23, 2026. Prior to removing the samplers, water levels were measured in Site monitoring wells. After the water level measurements were completed, the diffusion samplers were extracted from the wells and the contents transferred into pre-preserved 40-milliliter (mL) vials. The samples were submitted under chain of custody protocol to Eurofins Laboratories in Cleveland, Ohio, for analysis by USEPA SW-846 Method 8260D.

Monitoring wells MW-I-S and MW-I-I were unable to be accessed due to vegetative overgrowth that included abundant poison ivy and, as a result, were not gauged or sampled due to safety concerns. A landscaping company was hired to clear vegetation at MW-I-S and MW-I-I. Vegetation clearing occurred in late June to ensure that this location could safely be accessed during the third quarter. Monitoring well OW-18 was unable to be accessed due to extreme vegetative overgrowth and was not gauged. Monitoring well OW-14 and pumping well OW-13 were unable to be accessed due to locked gates and were not gauged. OW-18, OW-14, and OW-13 are monitoring wells owned by USPM and are voluntarily gauged when feasible.

3.0 MONITORING RESULTS

3.1 WATER LEVEL MEASUREMENTS

Water levels were measured in 28 Site-related monitoring wells during the Second Quarter 2026 Monitoring Event. The water level measurements and piezometric surface elevations for the second quarter 2026 are provided in Table 1. The June 2026 water level data were used to calculate groundwater elevations, which were used to develop a piezometric surface elevation contour map for the intermediate zone (Figures 2 and 3). Figure 2 provides a Site piezometric surface map, and Figure 3 provides an expanded piezometric surface map that includes select USPM observation wells. All wells were sampled and gauged on June 23rd.

USPM (new owner of the former Pixelle mill) operates several collector wells around the Site that influence groundwater flow beneath the Site. Collector Wells 17 and 18 are located approximately 2,000 ft east and northeast of the Site, respectively. Historically, Collector Well 18 provided the greatest influence on groundwater flow direction, which was typically to the northeast. However, as noted in the 2020 Five-Year Review Report¹ it was observed in the second quarter of 2020 that the groundwater flow direction had shifted to the southeast. Pixelle was contacted in 2020 to determine if they had well maintenance issues or had made changes to their pumping operations. Subsequent data provided by Pixelle showed apparent reduced production from their collector wells prior to the second quarter of 2020. Groundwater flow data at the Site through the third quarter of 2021 showed the flow was generally to the southeast and the horizontal hydraulic gradient was less than half of the typical historical values. However, since then, the past four years of potentiometric data indicate that the horizontal groundwater flow direction at the Site has shifted back toward the east-northeast as a result of increased pumping at Collector Wells due to maintenance work performed by Pixelle. There is also an apparent east-northeastern flow direction at, or immediately beyond, the eastern property boundary during recent monitoring events. Pixelle redeveloped Collector Well 17 in October 2021, which improved Collector Well efficiency. Pixelle also completed well maintenance work in March 2024 at both Collector Wells 17 and 18. The June 2026 expanded gauging data included in Figure 3 show that groundwater is captured by Collector Well 18. Collector Well 17 was not operating during this monitoring event. The horizontal hydraulic gradient beneath the property during the March 2026 event was approximately 0.0009 ft/ft and became steeper as groundwater approached Collector Well 18.

In addition to measured water levels, daily water levels were recorded between March 9, 2026 and June 23, 2026 at on-Site monitoring wells equipped with pressure transducers/data recorders (MW-H-I, MW-F-I, and MW-I-I). Transducer data was downloaded, and the resulting water level data are illustrated on Figure 4. Historically and under typical conditions, MW-H-I groundwater elevations are greater than groundwater elevations at MW-I-I and MW-F-I. The groundwater elevation data in Figure 4 depict short-term changes in groundwater flow directions.

As mentioned above, MW-I-I was unable to be accessed during the second quarter sampling event. The vegetation inhibiting access was cleared by a contracted landscape company and the transducer data was downloaded during the third quarter.

¹ 2021, Key Environmental Inc., 2020 Five Year Review Report, Howmet Former WearEver Site, Chillicothe, Ohio.

Water levels at MW-H-I were greater than water levels at MW-I-I for 87 % of the second quarter monitoring period (March 9, 2026 to June 23, 2026). Water levels at MW-H-I were greater than water levels at MW-F-I for 91% of the first quarter monitoring period. The transducer data indicated that groundwater flow direction is primarily to the east-northeast. Since the fourth quarter 2021, the groundwater flow has been primarily to the east-northeast (in the vicinity of MW-H-I, MW-I-I, and MW-F-I). Gauging data indicates that groundwater flow shifts more to the northeast at and beyond the property boundary toward Collector Well 18.

USPM's long term plans for use of the paper mill production wells are not well understood. Previous groundwater monitoring periods during low pumping or no pumping conditions at Collector Wells 17 and 18 indicate that groundwater beneath the Site will likely flow east-southeast toward the Scioto River and will be characterized by relatively low hydraulic gradients and low groundwater velocity.

3.2 GROUNDWATER SAMPLE RESULTS

The quarterly sampling locations included in this second quarter sampling event for the Groundwater Plume Monitoring Network are provided in Table 1 of the GWMP (Appendix A).

The analytical data were evaluated in accordance with the National Functional Guidelines for Organic Data Review (USEPA, 2020). No major data validation issues were identified. The laboratory report and data validation are provided in Appendix B. The following subsections provide a summary of the groundwater sample analytical results collected during the second quarter 2026.

3.2.1 Quarterly Groundwater Plume Monitoring Network

The quarterly Plume Monitoring Well Network consists of wells MW-C-I, MW-D-S, MW-I-S, MW-OS-1-I, and MW-OS-2. Table 2 and the following provide a summary of the second quarter sampling event VOC results from the quarterly monitoring wells.

- The second quarter sample collected from on-Site monitoring well MW-D-S had constituent of interest (COI) detections of trichloroethylene (TCE) at 220 micrograms per liter (µg/l), cis-1,2-dichloroethylene (cis-DCE) at 9 µg/l, and trans-1,2-dichloroethylene (trans-DCE) at 0.66 µg/l. TCE detected in the MW-D-S sample is the only COI that exceeds the federal Maximum Contaminant Limit (MCL). Figure 5 is a trend chart depicting fluctuating TCE concentrations in MW-D-S samples over time.
- As previously mentioned, MW-I-S was unable to be safely accessed due to abundant poison ivy. A landscaping contractor has cleared the area, and this location is now safely accessible. Figure 6 is a trend chart depicting the fluctuating TCE concentrations at perimeter well MW-I-S.

- The sample collected from on-Site monitoring point MW-C-I had detections of the following constituents: 1,1-dichloroethylene (1,1-DCE) at 99 µg/l, cis-DCE at 2,300 µg/l, trans-DCE at 22 µg/l, TCE at 260 µg/l, and vinyl chloride at 230 µg/l. The detections of 1,1-DCE, cis-DCE, TCE, and vinyl chloride exceeded their respective MCLs. The second quarter chlorinated VOC concentrations at MW-C-I fall within the range of historical concentrations, which have been declining overall since 2013. Figure 7 illustrates the cis-DCE and vinyl chloride concentration trends at MW-C-I.
- The sample collected from off-Site monitoring well MW-OS-1-I has detections of 1,1-DCE at 4.1 µg/l, cis-DCE at 300 µg/l, trans-DCE at 1.7 µg/l, TCE at 7.6 µg/l, and vinyl chloride at 3.1 µg/l. The detections of cis-DCE, TCE, and vinyl chloride exceeded their respective MCLs. Figure 8 depicts the trends of cis-DCE and vinyl chloride in monitoring well MW-OS-1-I. Although the cis-DCE and vinyl chloride concentrations fluctuate, the chart shows an overall downward trend.
- No Site-related COIs were detected at monitoring point MW-OS-2, which is located to the east of the Site.

Sample results for the second quarter 2026 sampling event indicated detections of acetone in six samples (five wells and one duplicate), as indicated on Tables 2 and 3. In accordance with Ohio EPA's letter dated November 12, 2019, KEY investigated the occurrence of acetone detections in groundwater samples from quarterly monitoring wells MW-D-S, MW-I-S, and MW-OS-2 from the previous five groundwater monitoring reports (from the third quarter 2018 to the third quarter 2019). It was determined that MW-I-S was the only monitoring well with consistent occurrences of acetone during that time period, as MW-D-S had two sampling events where acetone was below detection limits (first quarter 2019 and fourth quarter 2018), and MW-OS-2 had one sampling event where acetone was below detection limits (second quarter 2019).

Acetone is widely recognized as a common laboratory artifact because it is used to clean glassware and other laboratory equipment; however, acetone has not typically been detected in the method (lab) blanks during the sampling events. Acetone was identified as a Site constituent of interest in the 1996 Remedial Investigation (RI) Report (Marsh and ICF Kaiser, 1996) because the maximum concentration of 38,000 µg/l exceeded the EPA Region 3 Tapwater RBC of 37,000 µg/l. The recent concentrations of acetone are approximately three orders of magnitude below the maximum concentration noted in the RI (38,000 µg/l), as well as the EPA Residential Tapwater Regional Screening Level (14,000 µg/l). Therefore, although the recurring detections of acetone cannot conclusively be attributed to laboratory contamination, KEY maintains that acetone is not considered a Site constituent of interest based on comparison of the reported concentrations to the EPA Residential Tapwater Regional Screening Level (RSL) for acetone.

3.2.2 Enhanced Monitoring

Enhanced monitoring at MW-D-D, MW-D-I, MW-G-D, MW-G-I, MW-G-S, and MW-OS-3 was completed during the second quarter event. The sample from monitoring well MW-D-I had a detection of cis-DCE at 0.84 J $\mu\text{g/l}$, which does not exceed the federal MCL. Acetone was detected at 43 $\mu\text{g/l}$ in the sample from well MW-D-I and 16 $\mu\text{g/l}$ in the sample from well MW-OS-3. All other constituents analyzed from the enhanced monitoring wells were below detection limits.

4.0 EVALUATION

Section 6.3 of the approved GWMP presents specific criteria used to evaluate the monitoring data. Below are the criteria and the evaluation results from the second quarter 2026 monitoring activities.

4.1 QUARTERLY TRIGGER CRITERIA

1. **Daily Water Levels:** Daily water level elevation from MW-H-I, MW-I-I, and MW-F-I.

- The water level in MW-H-I should have a higher average elevation than both MW-I-I and MW-F-I.

Evaluation result: Met.

Figure 4 (hydrograph) depicts the elevation of the water table surface for the three wells outfitted with pressure transducers/data loggers. Average groundwater elevations in MW-H-I, MW-I-I, and MW-F-I were 594.27 ft, 594.11 ft, and 593.76 ft, respectively, for the March 9, 2026 to June 23, 2026 monitoring period. The transducer data indicated that MW-H-I water levels were greater than MW-I-I and MW-F-I for the monitoring period.

2. **Manual Water Levels:** The groundwater flow direction as determined from the manual measurements should not consistently flow in an easterly or southeasterly direction for two consecutive quarters along the eastern boundary of the Site.

Evaluation Result: Met.

An easterly or southeasterly flow direction along the eastern boundary of the Site was not observed for two consecutive quarters.

3. **Sample Results:** The following should be true:

- Site-related VOC concentrations meet the following criteria in all quarterly water quality samples from wells MW-I-S and MW-OS-2.
 - MCL not exceeded at the same well for two consecutive quarterly events; and,
 - None of these wells may exceed five times MCL in any one quarter.

Evaluation Result: Met.

Table 2 includes water quality data for the above-listed monitoring points.

- No site-related VOC constituents exceeded the MCLs in MW-OS-2 during the second quarter 2026 sample event. As previously mentioned, MW-I-S was unable to be sampled during the second quarter. However, there were no MCL exceedances in the MW-I-S sample collected during the first quarter monitoring event.

5.0 SUMMARY & RECOMMENDATIONS

All of the quarterly evaluation criteria were met during this monitoring period. As noted in Five-Year Review (FYR) reports for the Site going back to 2010, occasional variations in pumping rates at the paper mill collector wells can temporarily modify groundwater flow direction beneath the Site area. A shift in groundwater flow direction to the southeast occurred from 2008 to 2013 as described in the 2010 and 2015 FYR reports. As described in the 2020 FYR report, it occurred again in 2020; however, since the fourth quarter 2021 monitoring event, the expanded potentiometric surface maps that include paper mill observation wells show that groundwater is captured by the paper mill's Collector Wells 17 or 18. The groundwater flow direction gradually shifts more to the northeast at and beyond the eastern boundary of the Site.

The residences located southeast of the Site are connected to the municipal water supply, and despite the occasional transient southeast groundwater flow conditions, the water quality trigger criteria associated with the groundwater plume monitoring well network are consistently met. The concentrations of VOCs observed in groundwater samples collected from wells located near the southeastern property boundary that are routinely sampled per the GWMP generally show a stable or decreasing trend over time.

Several on-Site and off-Site wells located within the center of the plume near the northeastern property boundary (away from domestic wells located to the southeast) continue to have VOCs at concentrations that exceed MCLs. Trend graphs for these wells show stable or decreasing concentrations over time.

The sampling and gauging frequencies described in the GWMP (as described in Table 1 of Appendix A) will continue to be implemented. In addition to the sampling frequencies described in the GWMP, enhanced quarterly sampling was initiated during the third quarter 2025 monitoring event. In addition to quarterly sampling locations MW-I-S, MW-D-S, MW-OS-1, MW-OS-2, and MW-C-I that are identified in the GWMP, enhanced quarterly monitoring will also include sampling of MW-D-I, MW-D-D, MW-I-I, MW-G-S, MW-G-I, MW-G-D, and MW-OS-3.

The Ohio EPA provided a letter to Howmet on July 7, 2025, regarding groundwater containment concerns and additional monitoring well installation due to the anticipated shutdown of the paper mill. As noted above, Pixelle closed the paper mill facility in August 2025 but then subsequently sold it to USPM, whose long-term plans for use of the paper mill production wells are not yet well understood. USPM has continued to operate Collector Well 18 since taking ownership of the property. The enhanced monitoring described above will continue until groundwater conditions are better understood.

As noted in KEY's August 1, 2025 response letter to the Ohio EPA, if the production wells are permanently shut down, an updated conceptual site model will be constructed based on monitoring data collected during non-pumping conditions. If production wells are permanently shut down, a revised remedial approach that ensures continued protection of human health and the environment, including the health and safety of the nearby residents, will be developed for Ohio EPA evaluation.

The Ohio EPA provided a follow-up letter to Howmet on November 13, 2025, regarding the installation of additional monitoring wells that require access to be granted by the property owners. Howmet provided access agreements to the property owners in October 2025 but has not yet received the signed agreements from those owners

TABLES

TABLE 1
GROUNDWATER MONITORING SUMMARY
SECOND QUARTER 2026
HOWMET FORMER WEAREVER SITE
CHILLICOTHE, OH

Well No.	Elevation (TOC)	Total Depth	Depth to Water	Groundwater Elevation	Sample Number	Sample Collection Date	Sample Time
Up Gradient							
MW-E-I	619.29	62.22	25.95	593.34	--	--	--
Drum Storage							
MW-DS-I	612.94	60.22	20.15	592.79	--	--	--
Draw Tank							
MW-DT-I	615.24	62.55	22.79	592.45	--	--	--
Building Perimeter							
MW-BL-I	617.45	62.72	25.17	592.28	--	--	--
MW-H-I	611.40	60.56	19.24	592.16	--	--	--
Property Line Perimeter							
MW-A-I	616.06	60.09	22.84	593.22	--	--	--
MW-B-I	613.30	62.52	20.75	592.55	--	--	--
MW-C-S	611.53	35.14	19.24	592.29	--	--	--
MW-C-I	611.64	62.21	19.43	592.21	MW-C-I	6/23/2026	1235
MW-F-I	621.41	62.32	29.50	591.91	--	--	--
MW-D-S	614.77	38.04	22.88	591.89	MW-D-S	6/23/2026	1355
MW-D-I	614.90	62.25	23.05	591.85	MW-D-I	6/23/2026	1345
MW-D-D	615.16	77.84	23.29	591.87	MW-D-D	6/23/2026	1330
MW-I-S	610.47	NM	NM	NM	--	--	--
MW-I-I	610.18	NM	NM	NM	--	--	--
MW-G-S	609.94	31.75	17.84	592.10	MW-G-S	6/23/2026	1730
MW-G-I	610.01	60.04	17.99	592.02	MW-G-I	6/23/2026	1745
MW-G-D	610.37	74.58	18.30	592.07	MW-G-D	6/23/2026	1800
Off Site Wells							
MW-OS-1-I	610.33	61.79	18.47	591.86	MW-OS-1-I, M-99	6/23/2026	1530
MW-OS-2	615.31	51.87	23.95	591.36	MW-OS-2	6/23/2026	1555
MW-OS-3	612.10	52.20	20.62	591.48	MW-OS-3	6/23/2026	1615
Pixelle Wells							
OW-13	619.54	NM	NM	NM	--	--	--
OW-14	614.08	NM	NM	NM	--	--	--
TB-1	617.70	92.90	24.74	592.96	--	--	--
OW-17	606.24	81.88	15.51	590.73	--	--	--
OW-18	619.84	NM	NM	NM	--	--	--
OW-74	619.41	92.44	25.68	593.73	--	--	--
OW-20	605.60	70.23	17.39	588.21	--	--	--

Notes

Updated elevation TOC data collected on September 24, 2021 and March 20, 2023 by DLZ Ohio, inc.

Pixelle observation well survey data obtained from Pixelle.

Elevation TOC data provided in reference to NGVD29.

TABLE 2
SUMMARY OF VOC DETECTIONS
QUARTERLY GROUNDWATER PLUME MONITORING NETWORK
SECOND QUARTER 2026
HOWMET FORMER WEAREVER SITE
CHILLICOTHE, OH

Sample ID		Maximum Contaminant Levels (MCLs)	MW-C-I MW-C-I 6/23/2026	MW-D-S MW-D-S 6/23/2026	MW-OS-1-I MW-OS-1 6/23/2026	MW-OS-1-I M-99 6/23/2026	MW-OS-2 MW-OS-2 6/23/2026
Monitoring Location			MW-C-I	MW-D-S	MW-OS-1-I	MW-OS-1-I	MW-OS-2
CONSTITUENT	UNITS						
1,1-Dichloroethylene	ug/l	7	99	0.49 U	4.1	4	0.49 U
Acetone	ug/l	--	6 J	23	39	38	5.4 U
cis-1,2-Dichloroethylene	ug/l	70	2300	9	300	300	0.46 U
trans-1,2-Dichloroethylene	ug/l	100	22	0.66 J	1.7	1.6	0.51 U
Trichloroethylene	ug/l	5	260	220	7.6	7.4	0.44 U
Vinyl chloride	ug/l	2	230	0.45 U	3.1	2.9	0.45 U

Notes:

U = constituent not detected at the reported concentration

J = estimated concentration

Bold = constituent detected

Highlighted - constituent exceeds MCLs

TABLE 3
SUMMARY OF VOC DETECTIONS
ENHANCED MONITORING NETWORK
SECOND QUARTER 2026
HOWMET FORMER WEAREVER SITE
CHILLICOTHE, OH

Sample ID		Maximum Contaminant Levels (MCLs)	MW-D-D MW-D-D 6/23/2026	MW-D-I MW-D-I 6/23/2026	MW-G-D MW-G-D 6/23/2026	MW-G-I MW-G-I 6/23/2026	MW-G-S MW-G-S 6/23/2026	MW-OS-3 MW-OS-3 6/23/2026
Monitoring Location			MW-C-S	MW-D-I	MW-DS-I	MW-G-I	MW-G-S	MW-OS-3
CONSTITUENT	UNITS							
Acetone	ug/l	--	5.4 U	43	5.4 U	5.4 U	5.4 U	16
cis-1,2-Dichloroethylene	ug/l	70	0.46 U	0.84 J	0.46 U	0.46 U	0.46 U	0.46 U

Notes:

U = not detected at the reported concentration

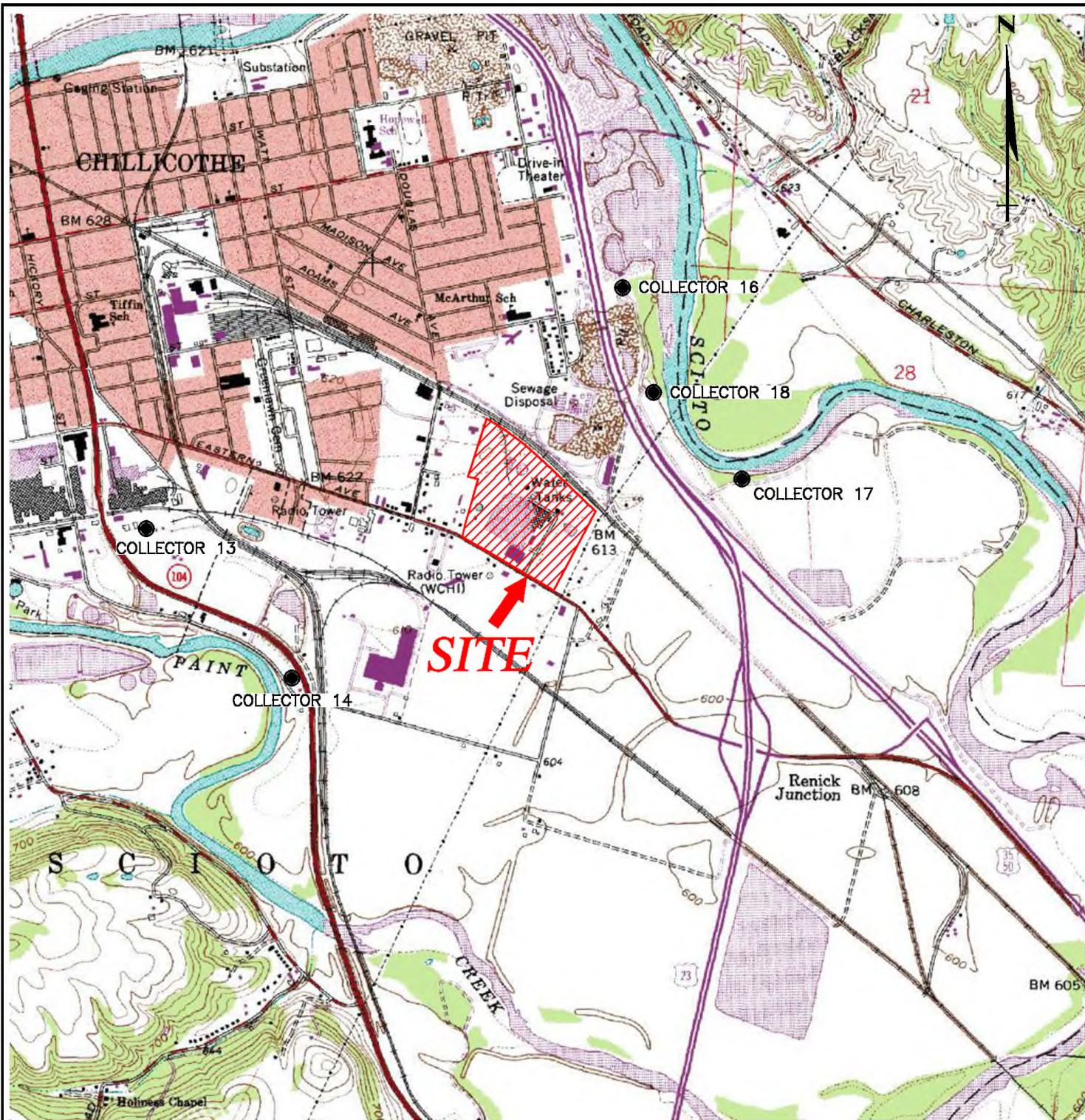
J = estimated concentration

Bold = constituent detected

Highlighted - constituent exceeds MCLs

FIGURES

y:\scod-weaver\2026 gw report\2026 2nd quarter\figure 1 - site location map.dwg Last Saved By: SComer 7/7/2026 9:00 AM Plotted By: Shelly Comer 7/7/2026 9:18 AM Scale: 1:1



LEGEND



PAPER COMPANY
COLLECTOR WELL

0 2000 4000
FEET

HOWMET AEROSPACE, INC.

DRWN: SCC	DATE: 07/07/26
CHKD: ECL	DATE: 07/07/26
APPD: AEF	DATE: 07/07/26
SCALE:	AS SHOWN



FORMER WEAREVER FACILITY
CHILLICOTHE, OH

REFERENCE: USGS NORTH AMERICAN DATUM 1983 / UTM ZONE 17N:
CHILLICOTHE, OH, UNITED STATES 7/1/1992

ISSUE DATE:

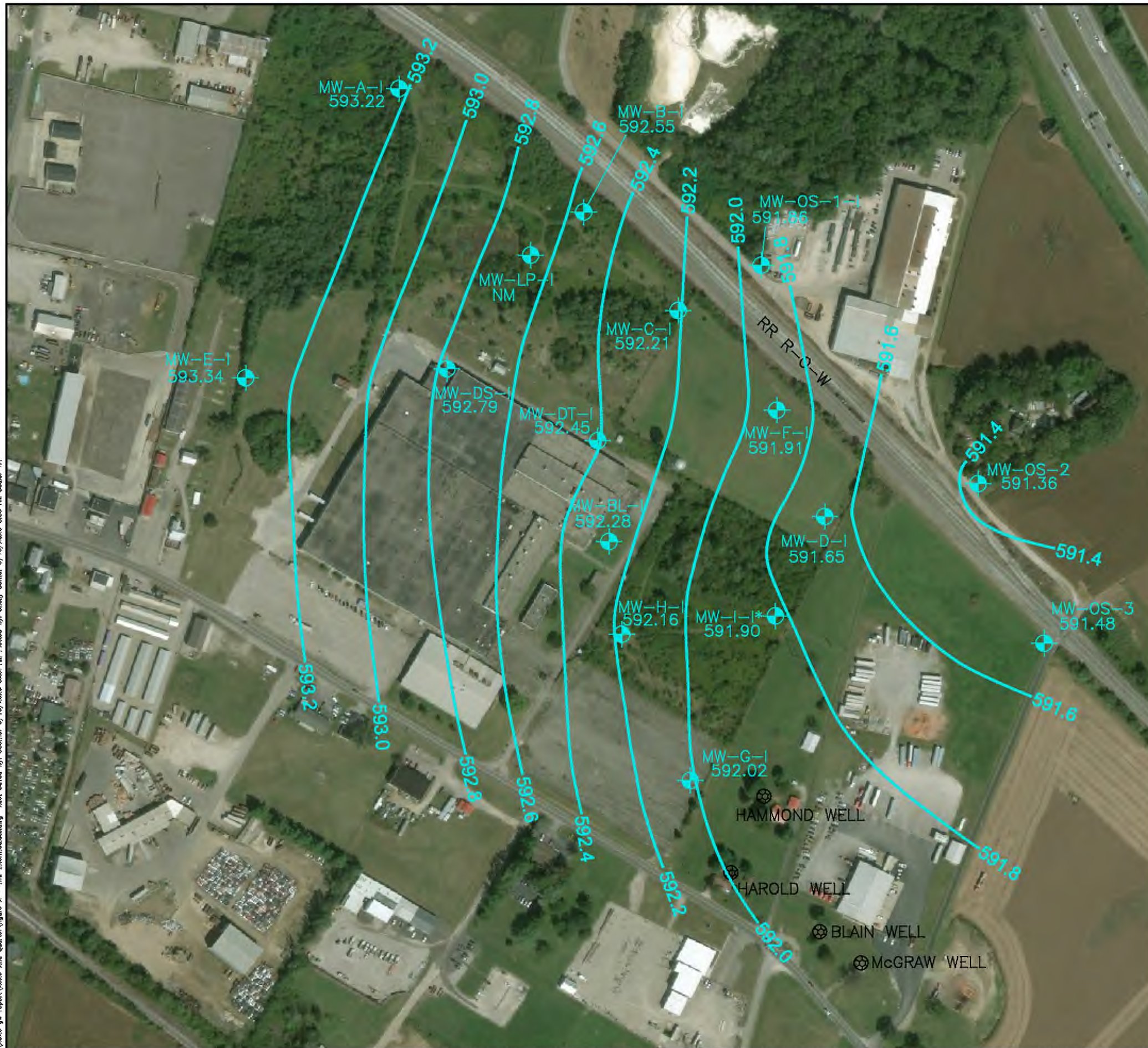
KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

SITE TOPOGRAPHIC LOCATION

PROJECT NO: 26-243

FIGURE 1

Y:\pilot-reviewer\2026 giv report\2026 2nd quarter\figure 2 - mw intermediate.dwg Last Saved By: SComer 9/16/2026 8:32 AM Plotted By: Shelly Comer 9/16/2026 8:33 AM Scale: 1:1



LEGEND

591.36

WATER ELEVATION

590.0 ---

GROUNDWATER ELEVATION
CONTOUR



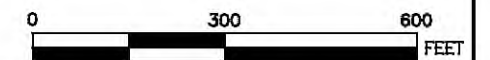
MONITORING WELL



RESIDENTIAL WELL

NOTES:

- * GROUNDWATER ELEVATION RETRIEVED
FROM TRANSDUCER DATA.
- NM - NOT MEASURED



HOWMET AEROSPACE, INC.

DRWN: SCC DATE: 07/07/26
CHKD: EGL DATE: 07/07/26
APPD: AEF DATE: 08/17/26
SCALE: 1" = 300'



HOWMET FORMER WEAREVER FACILITY
CHILLICOTHE, OHIO

PIEZOMETER SURFACE OF
INTERMEDIATE AQUIFER ZONE
JUNE 23, 2026

PROJECT NO: 28-243
FIGURE 2

REFERENCE: 1. SURVEY DATA COLLECTED ON SEPTEMBER 24, 2021 AND MARCH 21, 23 BY DLZ OHIO, INC. WERE USED TO CALCULATE GROUNDWATER ELEVATIONS AND GROUNDWATER CONTOURS. SURVEY RESULTS ARE BASED ON THE OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83 (2011) AND NGVD29 VERTICAL DATUM. THE DATA ORIGINALLY PROVIDED IN NAVD88 VERTICAL DATUM WAS CONVERTED TO NGVD29 FOR COMPARABILITY WITH RI SURVEY DATA.
2. AERIAL OBTAINED FROM GOOGLE EARTH.

ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

REV #	DATE	DESCRIPTION	APPD

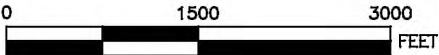
\\pccs-wearever\2026 gw report\2026 2nd quarter\figure 3 -- expanded piez intermediate.dwg Last Saved By: SComer 9/17/2026 9:02 AM Plotted By: Shelly Comer 9/17/2026 9:03 AM Scale: 1:1



LEGEND

- 595.77
PIXELLE OBSERVATION WELL & GROUNDWATER ELEVATION
- 2 FT INFERRED GW CONTOURS
- 4 FT INFERRED GW CONTOURS
- ON-SITE FLOW PATH

NOTE:
* - GROUNDWATER ELEVATION INFERRED FROM COLLECTOR WELL 18 PUMPING RATES.
NM - NOT MEASURED



HOWMET AEROSPACE, INC.

DRWN: SCC	DATE: 07/07/26
CHKD: ECL	DATE: 07/07/26
APPD: AEF	DATE: 09/17/26
SCALE:	1" = 1500'



HOWMET FORMER WEAREVER FACILITY
CHILLICOTHE, OHIO

EXPANDED PIEZOMETRIC SURFACE
OF INTERMEDIATE AQUIFER ZONE
JUNE 23, 2026

PROJECT NO: 28-243
FIGURE 3

REFERENCE: 1. APPROXIMATE LOCATIONS OF PIXELLE COLLECTOR WELLS AND OBSERVATION WELLS OBTAINED FROM 2020 ANNUAL REPORT --COLLECTOR WELL PERFORMANCE AND WATER LEVEL MONITORING
2. AERIAL OBTAINED FROM GOOGLE EARTH

ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

REV #	DATE	DESCRIPTION	APPD

Figure 4
Hydrograph - Groundwater Level Recorders
December 12, 2012 - June 23, 2026

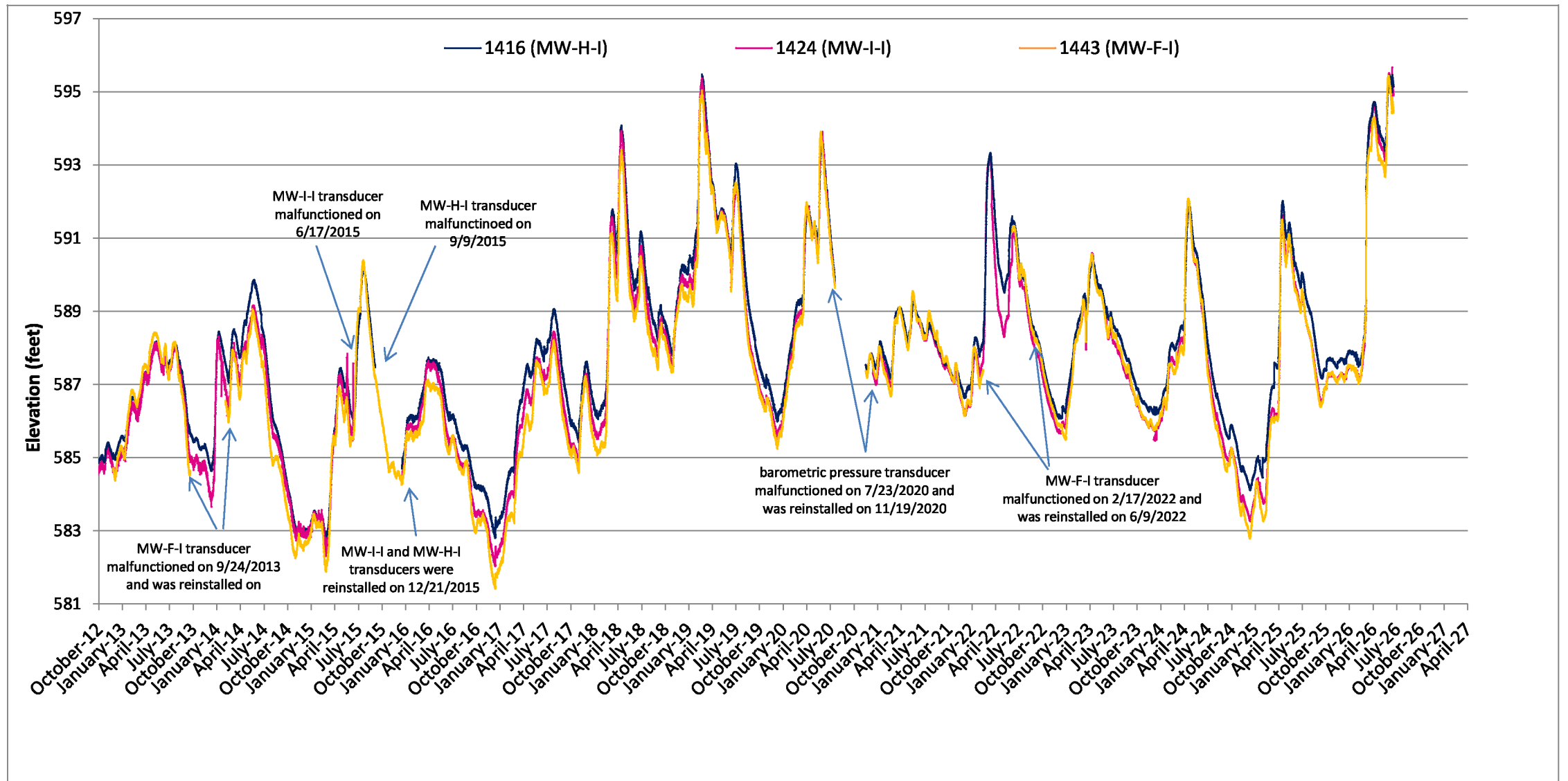


Figure 5
MW-D-S TCE Concentration vs Time

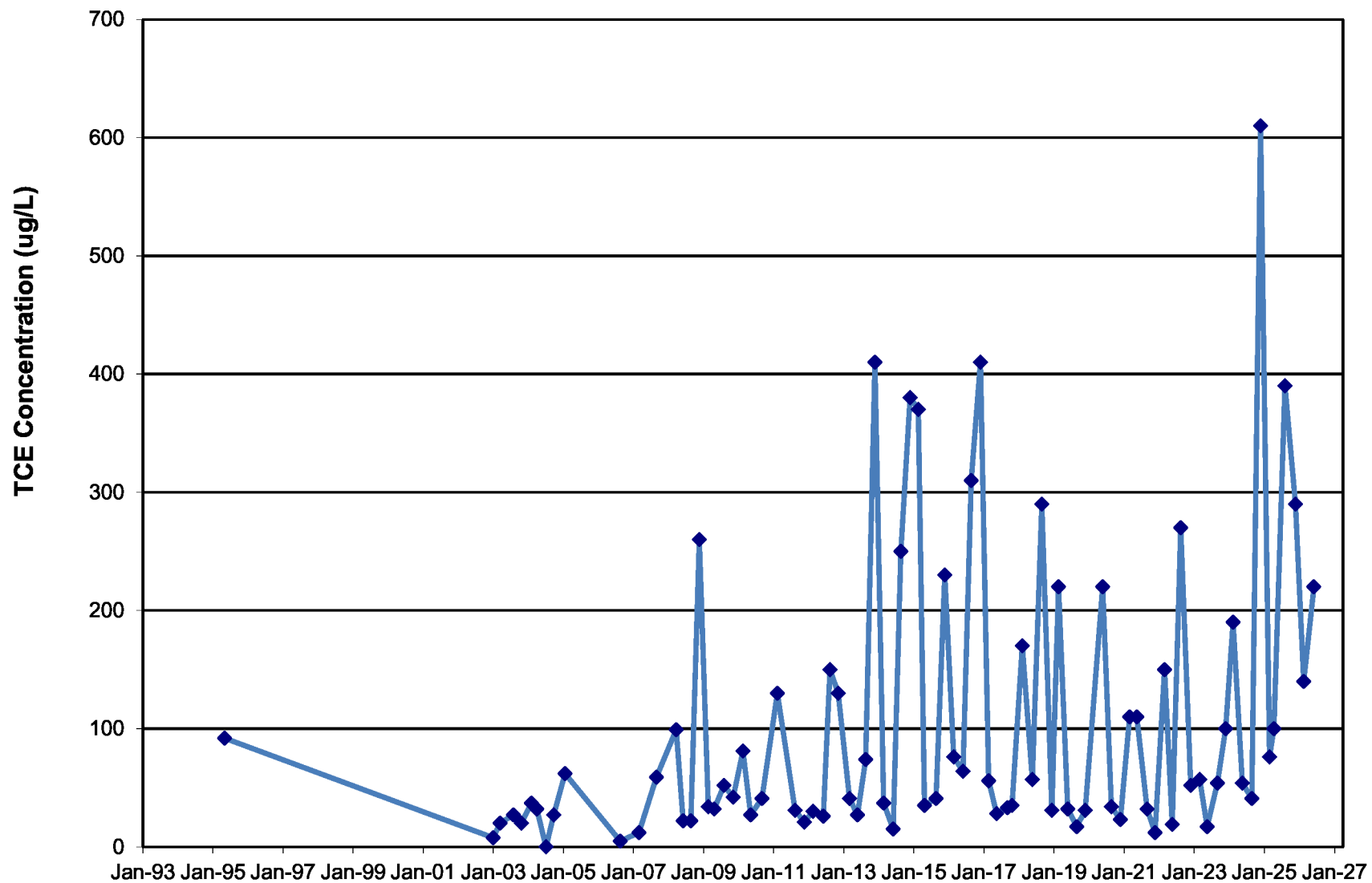


Figure 6
MW-I-S TCE Concentration vs Time

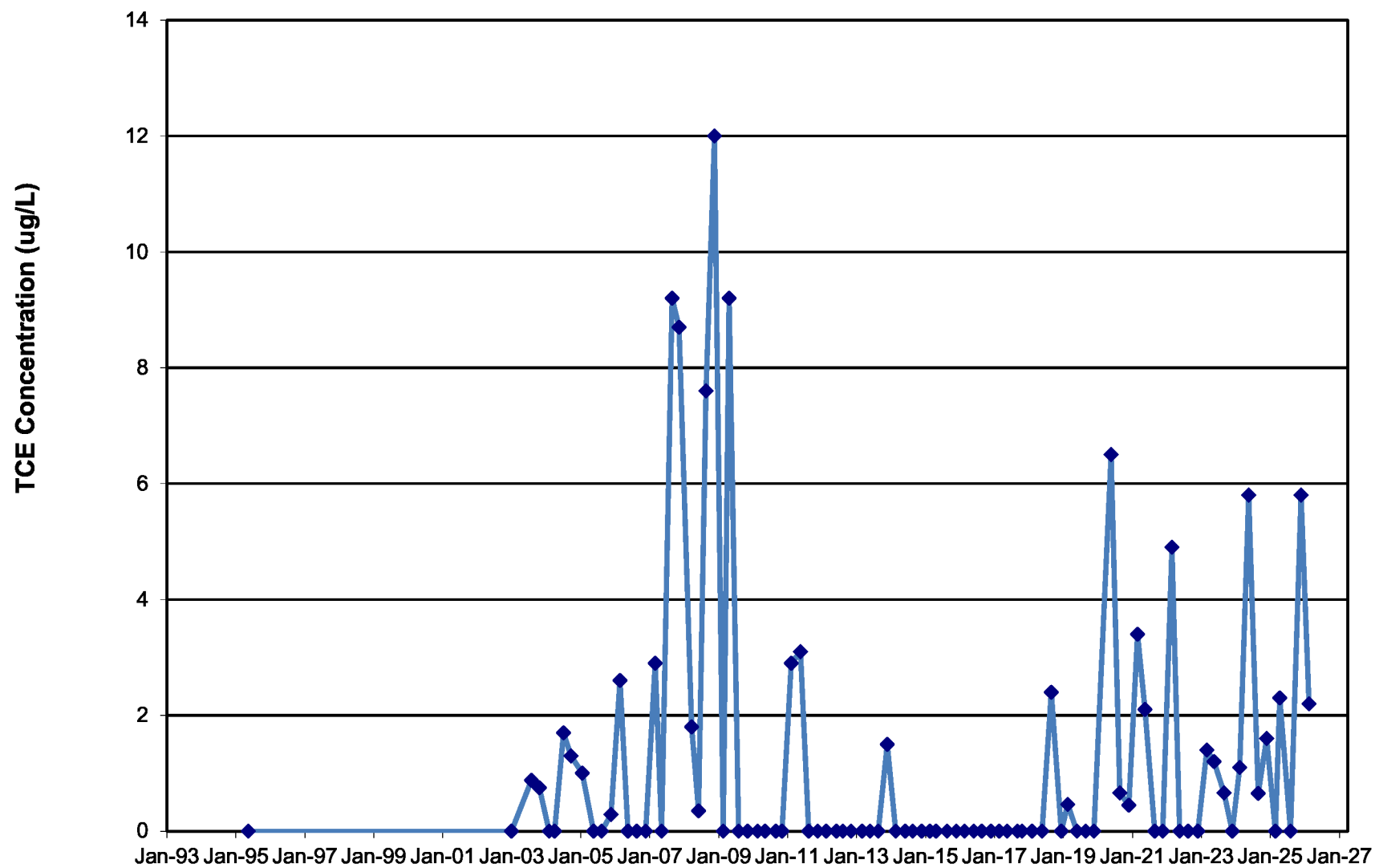


Figure 7
MW-C-I Cis-1,2-DCE and Vinyl Chloride Concentration vs Time

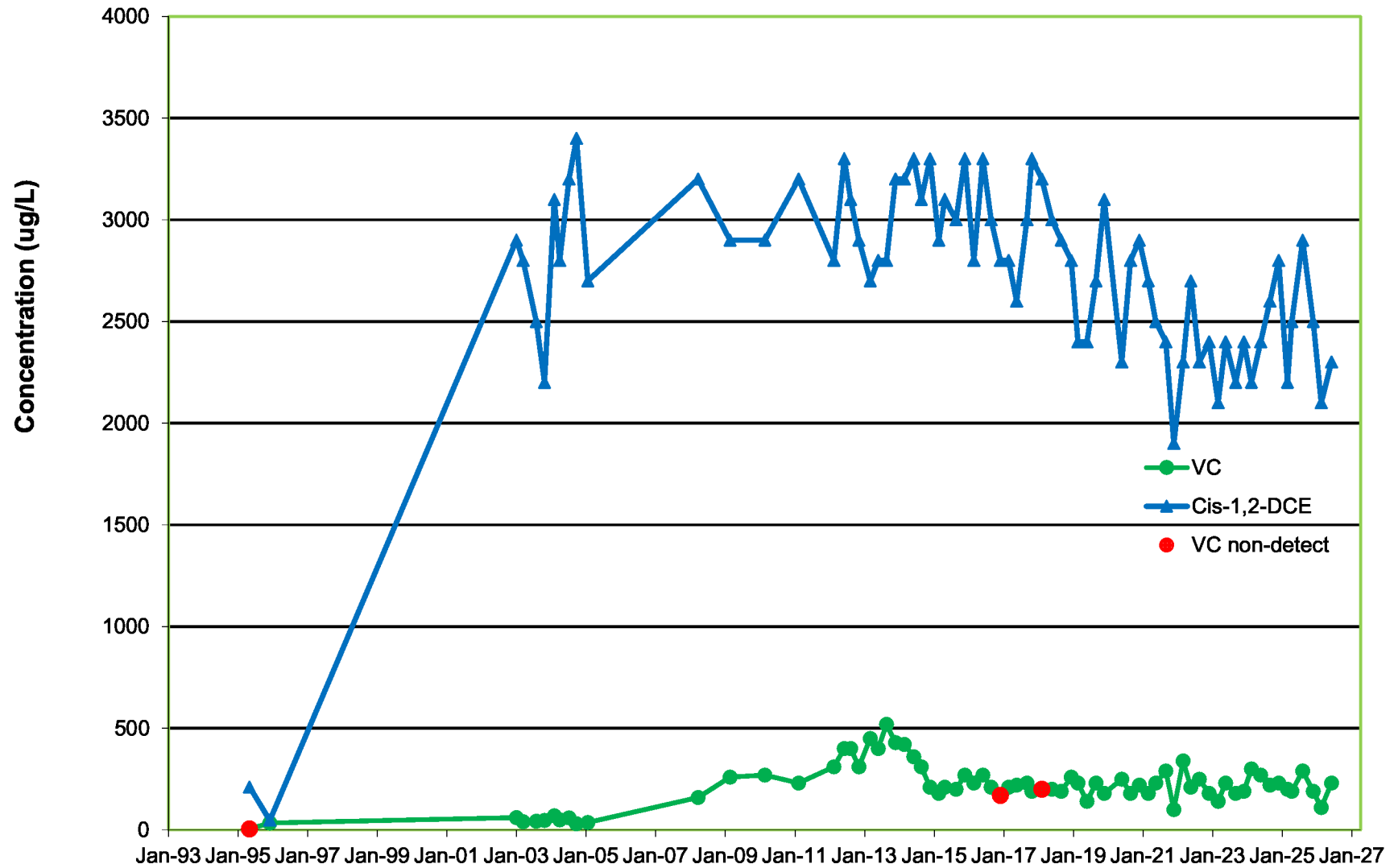
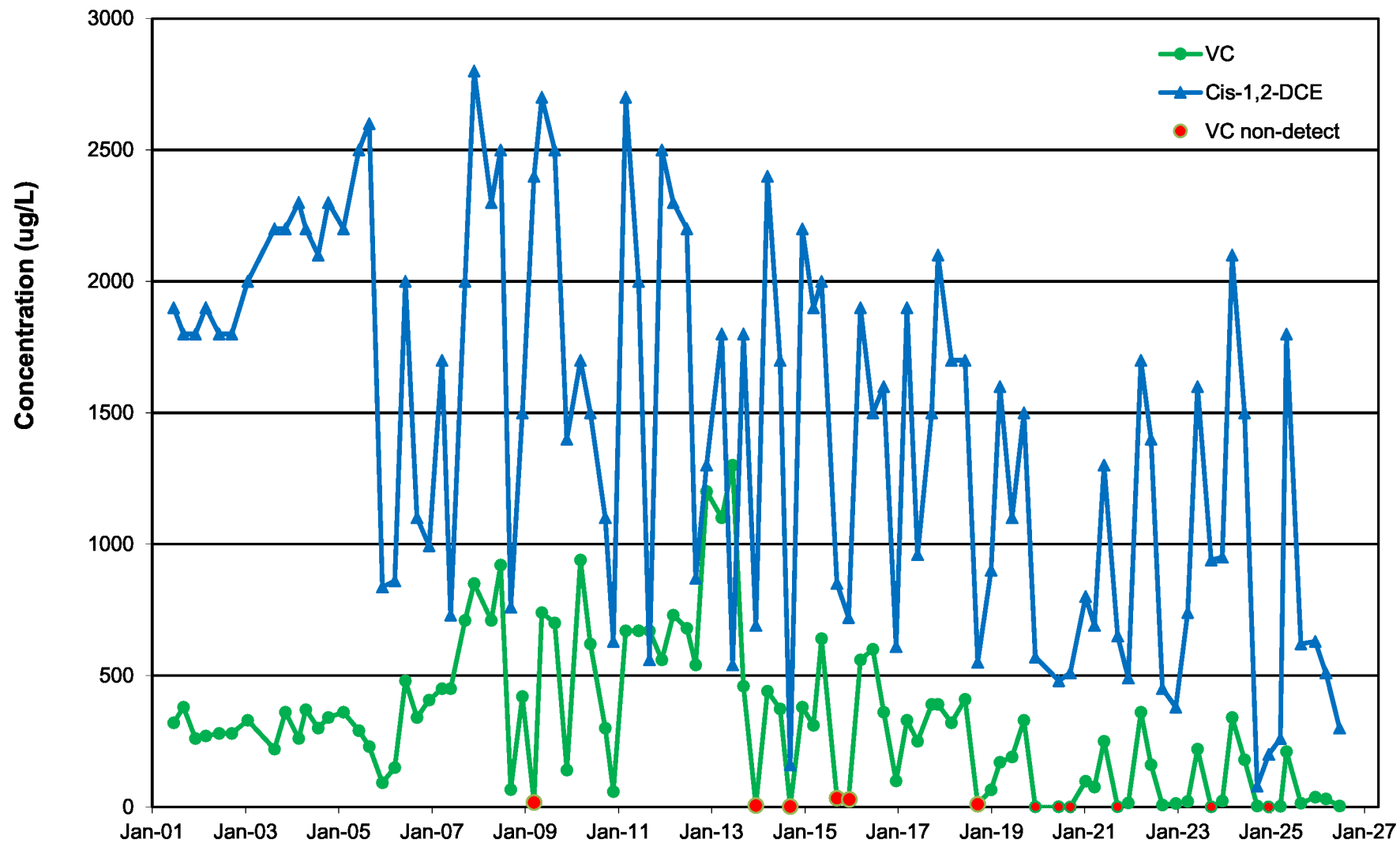


Figure 8
MW-OS-1-I Cis-1,2-DCE and Vinyl Chloride Concentration vs Time



APPENDIX A

Figure 2 and Table 1 from Groundwater Monitoring Plan

APPENDIX A

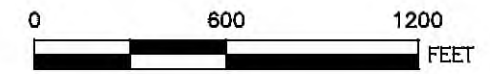
Figure 2 and Table 1 from Groundwater Monitoring Plan

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LEGEND

- RESIDENTIAL MONITORING WELL
- HOWMET WEAREVER FACILITY MONITORING WELL
- INDUSTRIAL WATER SUPPLY WELL
- QUARTERLY SAMPLING LOCATION
- SEMIANNUAL SAMPLING LOCATION
- RESIDUAL SOURCE AREA (ANNUAL) SAMPLING LOCATION
- TEMPORARY QUARTERLY MONITORING WELL



NOTE:
BASEMAP AND WELL LOCATIONS ADAPTED FROM
DWG NO. 884030-B2, IT CORPORATION, 6/27/00.

REV #	DATE	DESCRIPTION	APPD

REFERENCE: TEMPORARY QUARTERLY MONITORING WELLS AS DESIGNATED IN HOWMET TEMPORARY GWMP MODIFICATION LETTER TO OEPA DATED MARCH 12, 2021.			ISSUE DATE:
			KEY ENVIRONMENTAL, INC. 200 THIRD AVENUE CARNEGIE, PA 15106

HOWMET AEROSPACE INC.	
DRWN: SOC	DATE: 12/31/20
CHKD: TDS	DATE: 12/31/20
APPD: TDS	DATE: 01/28/21
SCALE:	AS SHOWN
KEY ENVIRONMENTAL INCORPORATED	
HOWMET FORMER WEAREVER FACILITY CHILICOTHE, OHIO	
LOCATION OF ONSITE AND OFFSITE MONITORING POINTS	PROJECT NO: 20-034 FIGURE 2

**TABLE 1
GROUNDWATER MONITORING SUMMARY**

	QUARTERLY			SEMIANNUAL		ANNUAL	
	(MARCH, JUNE, SEPTEMBER, DECEMBER)			IN ADDITION TO QUARTERLY MONITORING (MARCH, SEPTEMBER)		IN ADDITION TO QUARTERLY AND SEMIANNUAL MONITORING (MARCH)	
MONITORING WELL NO.	DOWNLOAD AUTOMATED GROUNDWATER LEVELS	GROUNDWATER LEVELS FOR FLOW DIRECTION, INTERMEDIATE ZONE	GROUNDWATER SAMPLING FOR PLUME LOCATION (VOCs) ¹	GROUNDWATER LEVELS FOR FLOW DIRECTION, ALL ZONES	GROUNDWATER SAMPLING FOR PLUME LOCATION (VOCs) ¹	OBTAIN FLOW RATES FROM CHILLICOTHE PAPER INDUSTRIAL WELLS ²	GROUNDWATER SAMPLING FOR REMEDIAL SOURCE AREA MONITORING (VOCs) ¹
Up Gradient							
MW-BG-S							
MW-E-S				X			
MW-E-I		X					
MW-E-D				X			
Sludge Pit							
MW-SP-S							
MW-SP-I							
MW-SP-D							
Drum Storage							
MW-DS-S				X			
MW-DS-I		X					X
MW-DS-D							
Draw Tank							
MW-DT-S				X			X
MW-DT-I		X					
MW-DT-D				X			
Leach Pit							
MW-LP-S							
MW-LP-I							X
MW-LP-D							
Building Perimeter							
MW-1S							X
MW-AS2-S							X
MW-AS3-S							X
MW-AS4-S							X
MW-AS5-S							X
MW-BL-S				X			X
MW-BL-I		X					
MW-BL-D				X			
MW-GA-S							X
MW-H-I	X	X			*		

**TABLE 1
GROUNDWATER MONITORING SUMMARY**

	QUARTERLY			SEMIANNUAL		ANNUAL	
	(MARCH, JUNE, SEPTEMBER, DECEMBER)			IN ADDITION TO QUARTERLY MONITORING (MARCH, SEPTEMBER)		IN ADDITION TO QUARTERLY AND SEMIANNUAL MONITORING (MARCH)	
MONITORING WELL NO.	DOWNLOAD AUTOMATED GROUNDWATER LEVELS	GROUNDWATER LEVELS FOR FLOW DIRECTION, INTERMEDIATE ZONE	GROUNDWATER SAMPLING FOR PLUME LOCATION (VOCs) ¹	GROUNDWATER LEVELS FOR FLOW DIRECTION, ALL ZONES	GROUNDWATER SAMPLING FOR PLUME LOCATION (VOCs) ¹	OBTAIN FLOW RATES FROM CHILLICOTHE PAPER INDUSTRIAL WELLS ²	GROUNDWATER SAMPLING FOR REMEDIAL SOURCE AREA MONITORING (VOCs) ¹
Property Line Perimeter							
MW-2D							
MW-5				X			X
MW-A-I		X					
MW-A-S				X			
MW-B-I		X					X
MW-B-D				X			
MW-C-S				X			X
MW-C-I		X	X				
MW-C-D				X			
MW-F-S				X			X
MW-F-I	X	X					X
MW-F-D				X			
MW-D-S		X	X				
MW-D-I		X					X
MW-D-D				X	*		
MW-I-S		X	X				
MW-I-I	X	X					X
MW-G-S				X	X		
MW-G-I		X					X
MW-G-D				X			
OW-1D							
OW-1R							
Off Site Wells							
Hammond			**				
MW-0S-1-I		X	X				
MW-0S-1-D				X			
MW-0S-2		X	X				
MW-0S-3		X			X		
Chillicothe Paper Pumping Wells							
Chillicothe Paper 13						X	
Chillicothe Paper 14						X	
Chillicothe Paper 16						X	
Chillicothe Paper 17					X	X	
Chillicothe Paper 18					X	X	

Notes:

¹VOC analysis by USEPA SW-846 Method 8260B.

²Obtained annually from Chillicothe Paper's monthly data summary reports.

*Based on the revised 3rd 5 Year Review submitted by KEY and the corresponding OEPA approval letter on September 7, 2016, sampling is no longer required at wells MW-D-D and MW-H-I.

**Based on the revised 3rd 5 Year Review submitted by KEY and the corresponding OEPA approval letter on September 7, 2016, sampling is no longer required at the Hammond well, contingent upon ground water flow direction remaining north/northeastward away from the Hammond well.

APPENDIX B

Laboratory Results and Data Validation Report

ANALYTICAL REPORT

PREPARED FOR

Attn: Angela Gatchie
Key Environmental Inc
200 Third Avenue
Carnegie, Pennsylvania 15106

Generated 7/9/2026 11:33:21 PM

JOB DESCRIPTION

Alcoa - Wearever - Chillicothe

JOB NUMBER

240-254206-1

Eurofins Cleveland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

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Definitions/Glossary

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Key Environmental Inc
Project: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Job ID: 240-254206-1

Eurofins Cleveland

Job Narrative 240-254206-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 6/25/2026 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-708538 was outside the method criteria for the following analyte(s): 1,1-Dichloroethene, Carbon disulfide, Chloroethane and Hexane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: Reanalysis of the following samples were performed outside of the analytical holding time due to sample load : MW-D-I (240-254206-3) and MW-OS-3 (240-254206-7).

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-708780 was outside the method criteria for the following analyte(s): Chloroethane, Chloromethane and Hexane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: This tune was inadvertently analyzed with different tune parameters. A BFB was run and passed tuning criteria. Data is reported.

MW-D-I (240-254206-3), MW-OS-3 (240-254206-7), (240-254401-B-2), (240-254401-A-2 MS) and (240-254401-C-2 MSD)

Method 8260D: These samples are reported within holding time.

MW-D-I (240-254206-3) and MW-OS-3 (240-254206-7)

Method 8260D: Surrogate fails high but is reported withing holding time.

MW-D-I (240-254206-3) and MW-OS-3 (240-254206-7)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Method Summary

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-254206-1	MW-C-I	Water	06/23/26 12:35	06/25/26 10:40	Ohio
240-254206-2	MW-D-D	Water	06/23/26 13:30	06/25/26 10:40	Ohio
240-254206-3	MW-D-I	Water	06/23/26 13:45	06/25/26 10:40	Ohio
240-254206-4	MW-D-S	Water	06/23/26 13:55	06/25/26 10:40	Ohio
240-254206-5	MW-OS-1-I	Water	06/23/26 15:30	06/25/26 10:40	Ohio
240-254206-6	MW-OS-2	Water	06/23/26 15:55	06/25/26 10:40	Ohio
240-254206-7	MW-OS-3	Water	06/23/26 16:15	06/25/26 10:40	Ohio
240-254206-8	MW-G-S	Water	06/23/26 17:30	06/25/26 10:40	Ohio
240-254206-9	MW-G-I	Water	06/23/26 17:45	06/25/26 10:40	Ohio
240-254206-10	MW-G-D	Water	06/23/26 18:00	06/25/26 10:40	Ohio
240-254206-11	M-99	Water	06/23/26 12:00	06/25/26 10:40	Ohio
240-254206-12	TB-01	Water	06/23/26 18:30	06/25/26 10:40	Ohio

Detection Summary

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-C-I

Lab Sample ID: 240-254206-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	99		10	4.9	ug/L	10		8260D	Total/NA
Acetone	6.0	J	10	5.4	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2300		10	4.6	ug/L	10		8260D	Total/NA
trans-1,2-Dichloroethene	22		1.0	0.51	ug/L	1		8260D	Total/NA
Trichloroethene	260		1.0	0.44	ug/L	1		8260D	Total/NA
Vinyl chloride	230		1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: MW-D-D

Lab Sample ID: 240-254206-2

No Detections.

Client Sample ID: MW-D-I

Lab Sample ID: 240-254206-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	43		10	5.4	ug/L	1		8260D	Total/NA
Acetone	44	H	10	5.4	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.84	J	1.0	0.46	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.68	J H	1.0	0.46	ug/L	1		8260D	Total/NA

Client Sample ID: MW-D-S

Lab Sample ID: 240-254206-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23		10	5.4	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	9.0		1.0	0.46	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.66	J	1.0	0.51	ug/L	1		8260D	Total/NA
Trichloroethene	220		1.0	0.44	ug/L	1		8260D	Total/NA

Client Sample ID: MW-OS-1-I

Lab Sample ID: 240-254206-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	4.1		1.0	0.49	ug/L	1		8260D	Total/NA
Acetone	39		10	5.4	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	300		1.0	0.46	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.7		1.0	0.51	ug/L	1		8260D	Total/NA
Trichloroethene	7.6		1.0	0.44	ug/L	1		8260D	Total/NA
Vinyl chloride	3.1		1.0	0.45	ug/L	1		8260D	Total/NA

Client Sample ID: MW-OS-2

Lab Sample ID: 240-254206-6

No Detections.

Client Sample ID: MW-OS-3

Lab Sample ID: 240-254206-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16		10	5.4	ug/L	1		8260D	Total/NA
Acetone	13	H	10	5.4	ug/L	1		8260D	Total/NA

Client Sample ID: MW-G-S

Lab Sample ID: 240-254206-8

No Detections.

Client Sample ID: MW-G-I

Lab Sample ID: 240-254206-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Detection Summary

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-G-D

Lab Sample ID: 240-254206-10

No Detections.

Client Sample ID: M-99

Lab Sample ID: 240-254206-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethene	4.0		1.0	0.49	ug/L			1	8260D	Total/NA
Acetone	38		10	5.4	ug/L			1	8260D	Total/NA
cis-1,2-Dichloroethene	300		1.0	0.46	ug/L			1	8260D	Total/NA
trans-1,2-Dichloroethene	1.6		1.0	0.51	ug/L			1	8260D	Total/NA
Trichloroethene	7.4		1.0	0.44	ug/L			1	8260D	Total/NA
Vinyl chloride	2.9		1.0	0.45	ug/L			1	8260D	Total/NA

Client Sample ID: TB-01

Lab Sample ID: 240-254206-12

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-C-I

Lab Sample ID: 240-254206-1

Date Collected: 06/23/26 12:35

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/07/26 01:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/07/26 01:51	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/07/26 01:51	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/07/26 01:51	1
1,1-Dichloroethene	99		10	4.9	ug/L			07/07/26 15:09	10
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/07/26 01:51	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/07/26 01:51	1
2-Hexanone	ND		10	1.1	ug/L			07/07/26 01:51	1
Acetone	6.0	J	10	5.4	ug/L			07/07/26 01:51	1
Benzene	ND		1.0	0.42	ug/L			07/07/26 01:51	1
Bromoform	ND		1.0	0.76	ug/L			07/07/26 01:51	1
Bromomethane	ND		2.0	1.1	ug/L			07/07/26 01:51	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/07/26 01:51	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/07/26 01:51	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/07/26 01:51	1
Chloroethane	ND		1.0	0.83	ug/L			07/07/26 01:51	1
Chloroform	ND		1.0	0.47	ug/L			07/07/26 01:51	1
Chloromethane	ND		1.0	0.63	ug/L			07/07/26 01:51	1
cis-1,2-Dichloroethene	2300		10	4.6	ug/L			07/07/26 15:09	10
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/07/26 01:51	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/07/26 01:51	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/07/26 01:51	1
Hexane	ND		2.0	1.9	ug/L			07/07/26 01:51	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/07/26 01:51	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/07/26 01:51	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/07/26 01:51	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/07/26 01:51	1
o-Xylene	ND		1.0	0.42	ug/L			07/07/26 01:51	1
Styrene	ND		1.0	0.45	ug/L			07/07/26 01:51	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/07/26 01:51	1
Toluene	ND		1.0	0.44	ug/L			07/07/26 01:51	1
trans-1,2-Dichloroethene	22		1.0	0.51	ug/L			07/07/26 01:51	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/07/26 01:51	1
Trichloroethene	260		1.0	0.44	ug/L			07/07/26 01:51	1
Vinyl chloride	230		1.0	0.45	ug/L			07/07/26 01:51	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/07/26 01:51	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/07/26 01:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		62 - 137		07/07/26 01:51	1
1,2-Dichloroethane-d4 (Surr)	117		62 - 137		07/07/26 15:09	10
4-Bromofluorobenzene (Surr)	73		56 - 136		07/07/26 01:51	1
4-Bromofluorobenzene (Surr)	80		56 - 136		07/07/26 15:09	10
Toluene-d8 (Surr)	92		78 - 122		07/07/26 01:51	1
Toluene-d8 (Surr)	87		78 - 122		07/07/26 15:09	10
Dibromofluoromethane (Surr)	94		73 - 120		07/07/26 01:51	1
Dibromofluoromethane (Surr)	114		73 - 120		07/07/26 15:09	10

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Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-D-D

Lab Sample ID: 240-254206-2

Date Collected: 06/23/26 13:30

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 15:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/06/26 15:39	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 15:39	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/06/26 15:39	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			07/06/26 15:39	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/06/26 15:39	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/06/26 15:39	1
2-Hexanone	ND		10	1.1	ug/L			07/06/26 15:39	1
Acetone	ND		10	5.4	ug/L			07/06/26 15:39	1
Benzene	ND		1.0	0.42	ug/L			07/06/26 15:39	1
Bromoform	ND		1.0	0.76	ug/L			07/06/26 15:39	1
Bromomethane	ND		2.0	1.1	ug/L			07/06/26 15:39	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/06/26 15:39	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/06/26 15:39	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/26 15:39	1
Chloroethane	ND		1.0	0.83	ug/L			07/06/26 15:39	1
Chloroform	ND		1.0	0.47	ug/L			07/06/26 15:39	1
Chloromethane	ND		1.0	0.63	ug/L			07/06/26 15:39	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			07/06/26 15:39	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/06/26 15:39	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/06/26 15:39	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/06/26 15:39	1
Hexane	ND		2.0	1.9	ug/L			07/06/26 15:39	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/06/26 15:39	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/06/26 15:39	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/06/26 15:39	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/06/26 15:39	1
o-Xylene	ND		1.0	0.42	ug/L			07/06/26 15:39	1
Styrene	ND		1.0	0.45	ug/L			07/06/26 15:39	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/06/26 15:39	1
Toluene	ND		1.0	0.44	ug/L			07/06/26 15:39	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			07/06/26 15:39	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/06/26 15:39	1
Trichloroethene	ND		1.0	0.44	ug/L			07/06/26 15:39	1
Vinyl chloride	ND		1.0	0.45	ug/L			07/06/26 15:39	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/06/26 15:39	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/06/26 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		62 - 137		07/06/26 15:39	1
4-Bromofluorobenzene (Surr)	93		56 - 136		07/06/26 15:39	1
Toluene-d8 (Surr)	99		78 - 122		07/06/26 15:39	1
Dibromofluoromethane (Surr)	120		73 - 120		07/06/26 15:39	1

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Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-D-I

Lab Sample ID: 240-254206-3

Date Collected: 06/23/26 13:45

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 16:02	1
1,1,1-Trichloroethane	ND	H	1.0	0.48	ug/L			07/08/26 16:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/06/26 16:02	1
1,1,2,2-Tetrachloroethane	ND	H	1.0	0.60	ug/L			07/08/26 16:06	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 16:02	1
1,1,2-Trichloroethane	ND	H	1.0	0.48	ug/L			07/08/26 16:06	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/06/26 16:02	1
1,1-Dichloroethane	ND	H	1.0	0.47	ug/L			07/08/26 16:06	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			07/06/26 16:02	1
1,1-Dichloroethene	ND	H	1.0	0.49	ug/L			07/08/26 16:06	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/06/26 16:02	1
1,2-Dichloroethane	ND	H	1.0	0.46	ug/L			07/08/26 16:06	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/06/26 16:02	1
1,2-Dichloropropane	ND	H	1.0	0.47	ug/L			07/08/26 16:06	1
2-Hexanone	ND		10	1.1	ug/L			07/06/26 16:02	1
2-Hexanone	ND	H	10	1.1	ug/L			07/08/26 16:06	1
Acetone	43		10	5.4	ug/L			07/06/26 16:02	1
Acetone	44	H	10	5.4	ug/L			07/08/26 16:06	1
Benzene	ND		1.0	0.42	ug/L			07/06/26 16:02	1
Benzene	ND	H	1.0	0.42	ug/L			07/08/26 16:06	1
Bromoform	ND		1.0	0.76	ug/L			07/06/26 16:02	1
Bromoform	ND	H	1.0	0.76	ug/L			07/08/26 16:06	1
Bromomethane	ND		2.0	1.1	ug/L			07/06/26 16:02	1
Bromomethane	ND	H	2.0	1.1	ug/L			07/08/26 16:06	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/06/26 16:02	1
Carbon disulfide	ND	H	1.0	0.59	ug/L			07/08/26 16:06	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/06/26 16:02	1
Carbon tetrachloride	ND	H	1.0	0.26	ug/L			07/08/26 16:06	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/26 16:02	1
Chlorobenzene	ND	H	1.0	0.38	ug/L			07/08/26 16:06	1
Chloroethane	ND		1.0	0.83	ug/L			07/06/26 16:02	1
Chloroethane	ND	H	1.0	0.83	ug/L			07/08/26 16:06	1
Chloroform	ND		1.0	0.47	ug/L			07/06/26 16:02	1
Chloroform	ND	H	1.0	0.47	ug/L			07/08/26 16:06	1
Chloromethane	ND		1.0	0.63	ug/L			07/06/26 16:02	1
Chloromethane	ND	H	1.0	0.63	ug/L			07/08/26 16:06	1
cis-1,2-Dichloroethene	0.84	J	1.0	0.46	ug/L			07/06/26 16:02	1
cis-1,2-Dichloroethene	0.68	J H	1.0	0.46	ug/L			07/08/26 16:06	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/06/26 16:02	1
cis-1,3-Dichloropropene	ND	H	1.0	0.61	ug/L			07/08/26 16:06	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/06/26 16:02	1
Dichlorobromomethane	ND	H	1.0	0.38	ug/L			07/08/26 16:06	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/06/26 16:02	1
Ethylbenzene	ND	H	1.0	0.42	ug/L			07/08/26 16:06	1
Hexane	ND		2.0	1.9	ug/L			07/06/26 16:02	1
Hexane	ND	H	2.0	1.9	ug/L			07/08/26 16:06	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/06/26 16:02	1
m-Xylene & p-Xylene	ND	H	2.0	0.42	ug/L			07/08/26 16:06	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/06/26 16:02	1

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Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-D-I

Lab Sample ID: 240-254206-3

Date Collected: 06/23/26 13:45

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	H	10	4.2	ug/L			07/08/26 16:06	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/06/26 16:02	1
4-Methyl-2-pentanone (MIBK)	ND	H	10	0.99	ug/L			07/08/26 16:06	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/06/26 16:02	1
Methylene Chloride	ND	H	5.0	2.6	ug/L			07/08/26 16:06	1
o-Xylene	ND		1.0	0.42	ug/L			07/06/26 16:02	1
o-Xylene	ND	H	1.0	0.42	ug/L			07/08/26 16:06	1
Styrene	ND		1.0	0.45	ug/L			07/06/26 16:02	1
Styrene	ND	H	1.0	0.45	ug/L			07/08/26 16:06	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/06/26 16:02	1
Tetrachloroethene	ND	H	1.0	0.44	ug/L			07/08/26 16:06	1
Toluene	ND		1.0	0.44	ug/L			07/06/26 16:02	1
Toluene	ND	H	1.0	0.44	ug/L			07/08/26 16:06	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			07/06/26 16:02	1
trans-1,2-Dichloroethene	ND	H	1.0	0.51	ug/L			07/08/26 16:06	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/06/26 16:02	1
trans-1,3-Dichloropropene	ND	H	1.0	0.67	ug/L			07/08/26 16:06	1
Trichloroethene	ND		1.0	0.44	ug/L			07/06/26 16:02	1
Trichloroethene	ND	H	1.0	0.44	ug/L			07/08/26 16:06	1
Vinyl chloride	ND		1.0	0.45	ug/L			07/06/26 16:02	1
Vinyl chloride	ND	H	1.0	0.45	ug/L			07/08/26 16:06	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/06/26 16:02	1
Xylenes, Total	ND	H	2.0	0.42	ug/L			07/08/26 16:06	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/06/26 16:02	1
Chlorodibromomethane	ND	H	1.0	0.39	ug/L			07/08/26 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		62 - 137		07/06/26 16:02	1
1,2-Dichloroethane-d4 (Surr)	90		62 - 137		07/08/26 16:06	1
4-Bromofluorobenzene (Surr)	87		56 - 136		07/06/26 16:02	1
4-Bromofluorobenzene (Surr)	85		56 - 136		07/08/26 16:06	1
Toluene-d8 (Surr)	98		78 - 122		07/06/26 16:02	1
Toluene-d8 (Surr)	104		78 - 122		07/08/26 16:06	1
Dibromofluoromethane (Surr)	125	S1+	73 - 120		07/06/26 16:02	1
Dibromofluoromethane (Surr)	87		73 - 120		07/08/26 16:06	1

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Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-D-S

Lab Sample ID: 240-254206-4

Date Collected: 06/23/26 13:55

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 16:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/06/26 16:25	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 16:25	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/06/26 16:25	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			07/06/26 16:25	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/06/26 16:25	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/06/26 16:25	1
2-Hexanone	ND		10	1.1	ug/L			07/06/26 16:25	1
Acetone	23		10	5.4	ug/L			07/06/26 16:25	1
Benzene	ND		1.0	0.42	ug/L			07/06/26 16:25	1
Bromoform	ND		1.0	0.76	ug/L			07/06/26 16:25	1
Bromomethane	ND		2.0	1.1	ug/L			07/06/26 16:25	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/06/26 16:25	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/06/26 16:25	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/26 16:25	1
Chloroethane	ND		1.0	0.83	ug/L			07/06/26 16:25	1
Chloroform	ND		1.0	0.47	ug/L			07/06/26 16:25	1
Chloromethane	ND		1.0	0.63	ug/L			07/06/26 16:25	1
cis-1,2-Dichloroethene	9.0		1.0	0.46	ug/L			07/06/26 16:25	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/06/26 16:25	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/06/26 16:25	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/06/26 16:25	1
Hexane	ND		2.0	1.9	ug/L			07/06/26 16:25	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/06/26 16:25	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/06/26 16:25	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/06/26 16:25	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/06/26 16:25	1
o-Xylene	ND		1.0	0.42	ug/L			07/06/26 16:25	1
Styrene	ND		1.0	0.45	ug/L			07/06/26 16:25	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/06/26 16:25	1
Toluene	ND		1.0	0.44	ug/L			07/06/26 16:25	1
trans-1,2-Dichloroethene	0.66 J		1.0	0.51	ug/L			07/06/26 16:25	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/06/26 16:25	1
Trichloroethene	220		1.0	0.44	ug/L			07/06/26 16:25	1
Vinyl chloride	ND		1.0	0.45	ug/L			07/06/26 16:25	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/06/26 16:25	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/06/26 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		62 - 137		07/06/26 16:25	1
4-Bromofluorobenzene (Surr)	93		56 - 136		07/06/26 16:25	1
Toluene-d8 (Surr)	101		78 - 122		07/06/26 16:25	1
Dibromofluoromethane (Surr)	120		73 - 120		07/06/26 16:25	1

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Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-OS-1-I

Lab Sample ID: 240-254206-5

Date Collected: 06/23/26 15:30

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 17:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/06/26 17:33	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 17:33	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/06/26 17:33	1
1,1-Dichloroethene	4.1		1.0	0.49	ug/L			07/06/26 17:33	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/06/26 17:33	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/06/26 17:33	1
2-Hexanone	ND		10	1.1	ug/L			07/06/26 17:33	1
Acetone	39		10	5.4	ug/L			07/06/26 17:33	1
Benzene	ND		1.0	0.42	ug/L			07/06/26 17:33	1
Bromoform	ND		1.0	0.76	ug/L			07/06/26 17:33	1
Bromomethane	ND		2.0	1.1	ug/L			07/06/26 17:33	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/06/26 17:33	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/06/26 17:33	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/26 17:33	1
Chloroethane	ND		1.0	0.83	ug/L			07/06/26 17:33	1
Chloroform	ND		1.0	0.47	ug/L			07/06/26 17:33	1
Chloromethane	ND		1.0	0.63	ug/L			07/06/26 17:33	1
cis-1,2-Dichloroethene	300		1.0	0.46	ug/L			07/06/26 17:33	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/06/26 17:33	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/06/26 17:33	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/06/26 17:33	1
Hexane	ND		2.0	1.9	ug/L			07/06/26 17:33	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/06/26 17:33	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/06/26 17:33	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/06/26 17:33	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/06/26 17:33	1
o-Xylene	ND		1.0	0.42	ug/L			07/06/26 17:33	1
Styrene	ND		1.0	0.45	ug/L			07/06/26 17:33	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/06/26 17:33	1
Toluene	ND		1.0	0.44	ug/L			07/06/26 17:33	1
trans-1,2-Dichloroethene	1.7		1.0	0.51	ug/L			07/06/26 17:33	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/06/26 17:33	1
Trichloroethene	7.6		1.0	0.44	ug/L			07/06/26 17:33	1
Vinyl chloride	3.1		1.0	0.45	ug/L			07/06/26 17:33	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/06/26 17:33	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/06/26 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		62 - 137		07/06/26 17:33	1
4-Bromofluorobenzene (Surr)	90		56 - 136		07/06/26 17:33	1
Toluene-d8 (Surr)	93		78 - 122		07/06/26 17:33	1
Dibromofluoromethane (Surr)	120		73 - 120		07/06/26 17:33	1

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Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-OS-2

Lab Sample ID: 240-254206-6

Date Collected: 06/23/26 15:55

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 17:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/06/26 17:56	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 17:56	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/06/26 17:56	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			07/06/26 17:56	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/06/26 17:56	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/06/26 17:56	1
2-Hexanone	ND		10	1.1	ug/L			07/06/26 17:56	1
Acetone	ND		10	5.4	ug/L			07/06/26 17:56	1
Benzene	ND		1.0	0.42	ug/L			07/06/26 17:56	1
Bromoform	ND		1.0	0.76	ug/L			07/06/26 17:56	1
Bromomethane	ND		2.0	1.1	ug/L			07/06/26 17:56	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/06/26 17:56	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/06/26 17:56	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/26 17:56	1
Chloroethane	ND		1.0	0.83	ug/L			07/06/26 17:56	1
Chloroform	ND		1.0	0.47	ug/L			07/06/26 17:56	1
Chloromethane	ND		1.0	0.63	ug/L			07/06/26 17:56	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			07/06/26 17:56	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/06/26 17:56	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/06/26 17:56	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/06/26 17:56	1
Hexane	ND		2.0	1.9	ug/L			07/06/26 17:56	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/06/26 17:56	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/06/26 17:56	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/06/26 17:56	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/06/26 17:56	1
o-Xylene	ND		1.0	0.42	ug/L			07/06/26 17:56	1
Styrene	ND		1.0	0.45	ug/L			07/06/26 17:56	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/06/26 17:56	1
Toluene	ND		1.0	0.44	ug/L			07/06/26 17:56	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			07/06/26 17:56	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/06/26 17:56	1
Trichloroethene	ND		1.0	0.44	ug/L			07/06/26 17:56	1
Vinyl chloride	ND		1.0	0.45	ug/L			07/06/26 17:56	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/06/26 17:56	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/06/26 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		62 - 137		07/06/26 17:56	1
4-Bromofluorobenzene (Surr)	88		56 - 136		07/06/26 17:56	1
Toluene-d8 (Surr)	90		78 - 122		07/06/26 17:56	1
Dibromofluoromethane (Surr)	118		73 - 120		07/06/26 17:56	1

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Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-OS-3

Lab Sample ID: 240-254206-7

Date Collected: 06/23/26 16:15

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 18:19	1
1,1,1-Trichloroethane	ND	H	1.0	0.48	ug/L			07/08/26 16:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/06/26 18:19	1
1,1,2,2-Tetrachloroethane	ND	H	1.0	0.60	ug/L			07/08/26 16:28	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 18:19	1
1,1,2-Trichloroethane	ND	H	1.0	0.48	ug/L			07/08/26 16:28	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/06/26 18:19	1
1,1-Dichloroethane	ND	H	1.0	0.47	ug/L			07/08/26 16:28	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			07/06/26 18:19	1
1,1-Dichloroethene	ND	H	1.0	0.49	ug/L			07/08/26 16:28	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/06/26 18:19	1
1,2-Dichloroethane	ND	H	1.0	0.46	ug/L			07/08/26 16:28	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/06/26 18:19	1
1,2-Dichloropropane	ND	H	1.0	0.47	ug/L			07/08/26 16:28	1
2-Hexanone	ND		10	1.1	ug/L			07/06/26 18:19	1
2-Hexanone	ND	H	10	1.1	ug/L			07/08/26 16:28	1
Acetone	16		10	5.4	ug/L			07/06/26 18:19	1
Acetone	13	H	10	5.4	ug/L			07/08/26 16:28	1
Benzene	ND		1.0	0.42	ug/L			07/06/26 18:19	1
Benzene	ND	H	1.0	0.42	ug/L			07/08/26 16:28	1
Bromoform	ND		1.0	0.76	ug/L			07/06/26 18:19	1
Bromoform	ND	H	1.0	0.76	ug/L			07/08/26 16:28	1
Bromomethane	ND		2.0	1.1	ug/L			07/06/26 18:19	1
Bromomethane	ND	H	2.0	1.1	ug/L			07/08/26 16:28	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/06/26 18:19	1
Carbon disulfide	ND	H	1.0	0.59	ug/L			07/08/26 16:28	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/06/26 18:19	1
Carbon tetrachloride	ND	H	1.0	0.26	ug/L			07/08/26 16:28	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/26 18:19	1
Chlorobenzene	ND	H	1.0	0.38	ug/L			07/08/26 16:28	1
Chloroethane	ND		1.0	0.83	ug/L			07/06/26 18:19	1
Chloroethane	ND	H	1.0	0.83	ug/L			07/08/26 16:28	1
Chloroform	ND		1.0	0.47	ug/L			07/06/26 18:19	1
Chloroform	ND	H	1.0	0.47	ug/L			07/08/26 16:28	1
Chloromethane	ND		1.0	0.63	ug/L			07/06/26 18:19	1
Chloromethane	ND	H	1.0	0.63	ug/L			07/08/26 16:28	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			07/06/26 18:19	1
cis-1,2-Dichloroethene	ND	H	1.0	0.46	ug/L			07/08/26 16:28	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/06/26 18:19	1
cis-1,3-Dichloropropene	ND	H	1.0	0.61	ug/L			07/08/26 16:28	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/06/26 18:19	1
Dichlorobromomethane	ND	H	1.0	0.38	ug/L			07/08/26 16:28	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/06/26 18:19	1
Ethylbenzene	ND	H	1.0	0.42	ug/L			07/08/26 16:28	1
Hexane	ND		2.0	1.9	ug/L			07/06/26 18:19	1
Hexane	ND	H	2.0	1.9	ug/L			07/08/26 16:28	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/06/26 18:19	1
m-Xylene & p-Xylene	ND	H	2.0	0.42	ug/L			07/08/26 16:28	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/06/26 18:19	1

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Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-OS-3

Lab Sample ID: 240-254206-7

Date Collected: 06/23/26 16:15

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND	H	10	4.2	ug/L			07/08/26 16:28	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/06/26 18:19	1
4-Methyl-2-pentanone (MIBK)	ND	H	10	0.99	ug/L			07/08/26 16:28	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/06/26 18:19	1
Methylene Chloride	ND	H	5.0	2.6	ug/L			07/08/26 16:28	1
o-Xylene	ND		1.0	0.42	ug/L			07/06/26 18:19	1
o-Xylene	ND	H	1.0	0.42	ug/L			07/08/26 16:28	1
Styrene	ND		1.0	0.45	ug/L			07/06/26 18:19	1
Styrene	ND	H	1.0	0.45	ug/L			07/08/26 16:28	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/06/26 18:19	1
Tetrachloroethene	ND	H	1.0	0.44	ug/L			07/08/26 16:28	1
Toluene	ND		1.0	0.44	ug/L			07/06/26 18:19	1
Toluene	ND	H	1.0	0.44	ug/L			07/08/26 16:28	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			07/06/26 18:19	1
trans-1,2-Dichloroethene	ND	H	1.0	0.51	ug/L			07/08/26 16:28	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/06/26 18:19	1
trans-1,3-Dichloropropene	ND	H	1.0	0.67	ug/L			07/08/26 16:28	1
Trichloroethene	ND		1.0	0.44	ug/L			07/06/26 18:19	1
Trichloroethene	ND	H	1.0	0.44	ug/L			07/08/26 16:28	1
Vinyl chloride	ND		1.0	0.45	ug/L			07/06/26 18:19	1
Vinyl chloride	ND	H	1.0	0.45	ug/L			07/08/26 16:28	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/06/26 18:19	1
Xylenes, Total	ND	H	2.0	0.42	ug/L			07/08/26 16:28	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/06/26 18:19	1
Chlorodibromomethane	ND	H	1.0	0.39	ug/L			07/08/26 16:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		62 - 137		07/06/26 18:19	1
1,2-Dichloroethane-d4 (Surr)	92		62 - 137		07/08/26 16:28	1
4-Bromofluorobenzene (Surr)	89		56 - 136		07/06/26 18:19	1
4-Bromofluorobenzene (Surr)	86		56 - 136		07/08/26 16:28	1
Toluene-d8 (Surr)	95		78 - 122		07/06/26 18:19	1
Toluene-d8 (Surr)	104		78 - 122		07/08/26 16:28	1
Dibromofluoromethane (Surr)	121	S1+	73 - 120		07/06/26 18:19	1
Dibromofluoromethane (Surr)	89		73 - 120		07/08/26 16:28	1

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Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-G-S

Lab Sample ID: 240-254206-8

Date Collected: 06/23/26 17:30

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 18:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/06/26 18:42	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 18:42	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/06/26 18:42	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			07/06/26 18:42	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/06/26 18:42	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/06/26 18:42	1
2-Hexanone	ND		10	1.1	ug/L			07/06/26 18:42	1
Acetone	ND		10	5.4	ug/L			07/06/26 18:42	1
Benzene	ND		1.0	0.42	ug/L			07/06/26 18:42	1
Bromoform	ND		1.0	0.76	ug/L			07/06/26 18:42	1
Bromomethane	ND		2.0	1.1	ug/L			07/06/26 18:42	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/06/26 18:42	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/06/26 18:42	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/26 18:42	1
Chloroethane	ND		1.0	0.83	ug/L			07/06/26 18:42	1
Chloroform	ND		1.0	0.47	ug/L			07/06/26 18:42	1
Chloromethane	ND		1.0	0.63	ug/L			07/06/26 18:42	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			07/06/26 18:42	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/06/26 18:42	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/06/26 18:42	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/06/26 18:42	1
Hexane	ND		2.0	1.9	ug/L			07/06/26 18:42	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/06/26 18:42	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/06/26 18:42	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/06/26 18:42	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/06/26 18:42	1
o-Xylene	ND		1.0	0.42	ug/L			07/06/26 18:42	1
Styrene	ND		1.0	0.45	ug/L			07/06/26 18:42	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/06/26 18:42	1
Toluene	ND		1.0	0.44	ug/L			07/06/26 18:42	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			07/06/26 18:42	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/06/26 18:42	1
Trichloroethene	ND		1.0	0.44	ug/L			07/06/26 18:42	1
Vinyl chloride	ND		1.0	0.45	ug/L			07/06/26 18:42	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/06/26 18:42	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/06/26 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	124		62 - 137		07/06/26 18:42	1
4-Bromofluorobenzene (Surr)	83		56 - 136		07/06/26 18:42	1
Toluene-d8 (Surr)	88		78 - 122		07/06/26 18:42	1
Dibromofluoromethane (Surr)	120		73 - 120		07/06/26 18:42	1

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Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-G-I

Lab Sample ID: 240-254206-9

Date Collected: 06/23/26 17:45

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 19:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/06/26 19:05	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 19:05	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/06/26 19:05	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			07/06/26 19:05	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/06/26 19:05	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/06/26 19:05	1
2-Hexanone	ND		10	1.1	ug/L			07/06/26 19:05	1
Acetone	ND		10	5.4	ug/L			07/06/26 19:05	1
Benzene	ND		1.0	0.42	ug/L			07/06/26 19:05	1
Bromoform	ND		1.0	0.76	ug/L			07/06/26 19:05	1
Bromomethane	ND		2.0	1.1	ug/L			07/06/26 19:05	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/06/26 19:05	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/06/26 19:05	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/26 19:05	1
Chloroethane	ND		1.0	0.83	ug/L			07/06/26 19:05	1
Chloroform	ND		1.0	0.47	ug/L			07/06/26 19:05	1
Chloromethane	ND		1.0	0.63	ug/L			07/06/26 19:05	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			07/06/26 19:05	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/06/26 19:05	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/06/26 19:05	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/06/26 19:05	1
Hexane	ND		2.0	1.9	ug/L			07/06/26 19:05	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/06/26 19:05	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/06/26 19:05	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/06/26 19:05	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/06/26 19:05	1
o-Xylene	ND		1.0	0.42	ug/L			07/06/26 19:05	1
Styrene	ND		1.0	0.45	ug/L			07/06/26 19:05	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/06/26 19:05	1
Toluene	ND		1.0	0.44	ug/L			07/06/26 19:05	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			07/06/26 19:05	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/06/26 19:05	1
Trichloroethene	ND		1.0	0.44	ug/L			07/06/26 19:05	1
Vinyl chloride	ND		1.0	0.45	ug/L			07/06/26 19:05	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/06/26 19:05	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/06/26 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		62 - 137		07/06/26 19:05	1
4-Bromofluorobenzene (Surr)	84		56 - 136		07/06/26 19:05	1
Toluene-d8 (Surr)	89		78 - 122		07/06/26 19:05	1
Dibromofluoromethane (Surr)	118		73 - 120		07/06/26 19:05	1

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Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-G-D

Lab Sample ID: 240-254206-10

Date Collected: 06/23/26 18:00

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 19:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/06/26 19:28	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 19:28	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/06/26 19:28	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			07/06/26 19:28	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/06/26 19:28	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/06/26 19:28	1
2-Hexanone	ND		10	1.1	ug/L			07/06/26 19:28	1
Acetone	ND		10	5.4	ug/L			07/06/26 19:28	1
Benzene	ND		1.0	0.42	ug/L			07/06/26 19:28	1
Bromoform	ND		1.0	0.76	ug/L			07/06/26 19:28	1
Bromomethane	ND		2.0	1.1	ug/L			07/06/26 19:28	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/06/26 19:28	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/06/26 19:28	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/26 19:28	1
Chloroethane	ND		1.0	0.83	ug/L			07/06/26 19:28	1
Chloroform	ND		1.0	0.47	ug/L			07/06/26 19:28	1
Chloromethane	ND		1.0	0.63	ug/L			07/06/26 19:28	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			07/06/26 19:28	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/06/26 19:28	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/06/26 19:28	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/06/26 19:28	1
Hexane	ND		2.0	1.9	ug/L			07/06/26 19:28	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/06/26 19:28	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/06/26 19:28	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/06/26 19:28	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/06/26 19:28	1
o-Xylene	ND		1.0	0.42	ug/L			07/06/26 19:28	1
Styrene	ND		1.0	0.45	ug/L			07/06/26 19:28	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/06/26 19:28	1
Toluene	ND		1.0	0.44	ug/L			07/06/26 19:28	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			07/06/26 19:28	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/06/26 19:28	1
Trichloroethene	ND		1.0	0.44	ug/L			07/06/26 19:28	1
Vinyl chloride	ND		1.0	0.45	ug/L			07/06/26 19:28	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/06/26 19:28	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/06/26 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		62 - 137		07/06/26 19:28	1
4-Bromofluorobenzene (Surr)	90		56 - 136		07/06/26 19:28	1
Toluene-d8 (Surr)	92		78 - 122		07/06/26 19:28	1
Dibromofluoromethane (Surr)	118		73 - 120		07/06/26 19:28	1

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Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: M-99

Lab Sample ID: 240-254206-11

Date Collected: 06/23/26 12:00

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 19:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/06/26 19:51	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 19:51	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/06/26 19:51	1
1,1-Dichloroethene	4.0		1.0	0.49	ug/L			07/06/26 19:51	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/06/26 19:51	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/06/26 19:51	1
2-Hexanone	ND		10	1.1	ug/L			07/06/26 19:51	1
Acetone	38		10	5.4	ug/L			07/06/26 19:51	1
Benzene	ND		1.0	0.42	ug/L			07/06/26 19:51	1
Bromoform	ND		1.0	0.76	ug/L			07/06/26 19:51	1
Bromomethane	ND		2.0	1.1	ug/L			07/06/26 19:51	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/06/26 19:51	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/06/26 19:51	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/26 19:51	1
Chloroethane	ND		1.0	0.83	ug/L			07/06/26 19:51	1
Chloroform	ND		1.0	0.47	ug/L			07/06/26 19:51	1
Chloromethane	ND		1.0	0.63	ug/L			07/06/26 19:51	1
cis-1,2-Dichloroethene	300		1.0	0.46	ug/L			07/06/26 19:51	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/06/26 19:51	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/06/26 19:51	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/06/26 19:51	1
Hexane	ND		2.0	1.9	ug/L			07/06/26 19:51	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/06/26 19:51	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/06/26 19:51	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/06/26 19:51	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/06/26 19:51	1
o-Xylene	ND		1.0	0.42	ug/L			07/06/26 19:51	1
Styrene	ND		1.0	0.45	ug/L			07/06/26 19:51	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/06/26 19:51	1
Toluene	ND		1.0	0.44	ug/L			07/06/26 19:51	1
trans-1,2-Dichloroethene	1.6		1.0	0.51	ug/L			07/06/26 19:51	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/06/26 19:51	1
Trichloroethene	7.4		1.0	0.44	ug/L			07/06/26 19:51	1
Vinyl chloride	2.9		1.0	0.45	ug/L			07/06/26 19:51	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/06/26 19:51	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/06/26 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		62 - 137		07/06/26 19:51	1
4-Bromofluorobenzene (Surr)	86		56 - 136		07/06/26 19:51	1
Toluene-d8 (Surr)	93		78 - 122		07/06/26 19:51	1
Dibromofluoromethane (Surr)	115		73 - 120		07/06/26 19:51	1

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Client Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: TB-01

Lab Sample ID: 240-254206-12

Date Collected: 06/23/26 18:30

Matrix: Water

Date Received: 06/25/26 10:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 20:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/06/26 20:14	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 20:14	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/06/26 20:14	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			07/06/26 20:14	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/06/26 20:14	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/06/26 20:14	1
2-Hexanone	ND		10	1.1	ug/L			07/06/26 20:14	1
Acetone	ND		10	5.4	ug/L			07/06/26 20:14	1
Benzene	ND		1.0	0.42	ug/L			07/06/26 20:14	1
Bromoform	ND		1.0	0.76	ug/L			07/06/26 20:14	1
Bromomethane	ND		2.0	1.1	ug/L			07/06/26 20:14	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/06/26 20:14	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/06/26 20:14	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/26 20:14	1
Chloroethane	ND		1.0	0.83	ug/L			07/06/26 20:14	1
Chloroform	ND		1.0	0.47	ug/L			07/06/26 20:14	1
Chloromethane	ND		1.0	0.63	ug/L			07/06/26 20:14	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			07/06/26 20:14	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/06/26 20:14	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/06/26 20:14	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/06/26 20:14	1
Hexane	ND		2.0	1.9	ug/L			07/06/26 20:14	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/06/26 20:14	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/06/26 20:14	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/06/26 20:14	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/06/26 20:14	1
o-Xylene	ND		1.0	0.42	ug/L			07/06/26 20:14	1
Styrene	ND		1.0	0.45	ug/L			07/06/26 20:14	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/06/26 20:14	1
Toluene	ND		1.0	0.44	ug/L			07/06/26 20:14	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			07/06/26 20:14	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/06/26 20:14	1
Trichloroethene	ND		1.0	0.44	ug/L			07/06/26 20:14	1
Vinyl chloride	ND		1.0	0.45	ug/L			07/06/26 20:14	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/06/26 20:14	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/06/26 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		62 - 137		07/06/26 20:14	1
4-Bromofluorobenzene (Surr)	86		56 - 136		07/06/26 20:14	1
Toluene-d8 (Surr)	91		78 - 122		07/06/26 20:14	1
Dibromofluoromethane (Surr)	119		73 - 120		07/06/26 20:14	1

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Surrogate Summary

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (62-137)	BFB (56-136)	TOL (78-122)	DBFM (73-120)
240-254206-1	MW-C-I	97	73	92	94
240-254206-1	MW-C-I	117	80	87	114
240-254206-2	MW-D-D	121	93	99	120
240-254206-3	MW-D-I	120	87	98	125 S1+
240-254206-3	MW-D-I	90	85	104	87
240-254206-4	MW-D-S	120	93	101	120
240-254206-4 MS	MW-D-S	109	92	91	109
240-254206-4 MSD	MW-D-S	112	95	94	110
240-254206-5	MW-OS-1-I	118	90	93	120
240-254206-6	MW-OS-2	118	88	90	118
240-254206-7	MW-OS-3	121	89	95	121 S1+
240-254206-7	MW-OS-3	92	86	104	89
240-254206-8	MW-G-S	124	83	88	120
240-254206-9	MW-G-I	120	84	89	118
240-254206-10	MW-G-D	118	90	92	118
240-254206-11	M-99	121	86	93	115
240-254206-12	TB-01	121	86	91	119
LCS 240-708440/4	Lab Control Sample	106	94	95	110
LCS 240-708538/3	Lab Control Sample	96	96	99	97
LCS 240-708656/3	Lab Control Sample	112	95	93	114
LCS 240-708780/3	Lab Control Sample	86	94	100	97
MB 240-708440/5	Method Blank	109	83	91	116
MB 240-708538/6	Method Blank	102	88	102	98
MB 240-708656/6	Method Blank	119	84	89	116
MB 240-708780/5	Method Blank	91	86	104	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-708440/5

Matrix: Water

Analysis Batch: 708440

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 12:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/06/26 12:08	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 12:08	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/06/26 12:08	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			07/06/26 12:08	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/06/26 12:08	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/06/26 12:08	1
2-Hexanone	ND		10	1.1	ug/L			07/06/26 12:08	1
Acetone	ND		10	5.4	ug/L			07/06/26 12:08	1
Benzene	ND		1.0	0.42	ug/L			07/06/26 12:08	1
Bromoform	ND		1.0	0.76	ug/L			07/06/26 12:08	1
Bromomethane	ND		2.0	1.1	ug/L			07/06/26 12:08	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/06/26 12:08	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/06/26 12:08	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/26 12:08	1
Chloroethane	ND		1.0	0.83	ug/L			07/06/26 12:08	1
Chloroform	ND		1.0	0.47	ug/L			07/06/26 12:08	1
Chloromethane	ND		1.0	0.63	ug/L			07/06/26 12:08	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			07/06/26 12:08	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/06/26 12:08	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/06/26 12:08	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/06/26 12:08	1
Hexane	ND		2.0	1.9	ug/L			07/06/26 12:08	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/06/26 12:08	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/06/26 12:08	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/06/26 12:08	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/06/26 12:08	1
o-Xylene	ND		1.0	0.42	ug/L			07/06/26 12:08	1
Styrene	ND		1.0	0.45	ug/L			07/06/26 12:08	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/06/26 12:08	1
Toluene	ND		1.0	0.44	ug/L			07/06/26 12:08	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			07/06/26 12:08	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/06/26 12:08	1
Trichloroethene	ND		1.0	0.44	ug/L			07/06/26 12:08	1
Vinyl chloride	ND		1.0	0.45	ug/L			07/06/26 12:08	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/06/26 12:08	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/06/26 12:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		62 - 137		07/06/26 12:08	1
4-Bromofluorobenzene (Surr)	83		56 - 136		07/06/26 12:08	1
Toluene-d8 (Surr)	91		78 - 122		07/06/26 12:08	1
Dibromofluoromethane (Surr)	116		73 - 120		07/06/26 12:08	1

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QC Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-708440/4

Matrix: Water

Analysis Batch: 708440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	62.9		ug/L		126	64 - 131
1,1,2,2-Tetrachloroethane	50.0	44.8		ug/L		90	58 - 157
1,1,2-Trichloroethane	50.0	50.8		ug/L		102	70 - 138
1,1-Dichloroethane	50.0	49.9		ug/L		100	72 - 127
1,1-Dichloroethene	50.0	56.1		ug/L		112	63 - 134
1,2-Dichloroethane	50.0	55.3		ug/L		111	66 - 128
1,2-Dichloropropane	50.0	49.8		ug/L		100	75 - 133
2-Hexanone	100	85.3		ug/L		85	43 - 167
Acetone	100	91.9		ug/L		92	50 - 149
Benzene	50.0	49.8		ug/L		100	77 - 123
Bromoform	50.0	61.1		ug/L		122	57 - 129
Bromomethane	50.0	46.5		ug/L		93	36 - 142
Carbon disulfide	50.0	46.2		ug/L		92	43 - 140
Carbon tetrachloride	50.0	67.2		ug/L		134	55 - 137
Chlorobenzene	50.0	51.5		ug/L		103	80 - 121
Chloroethane	50.0	51.1		ug/L		102	38 - 152
Chloroform	50.0	55.4		ug/L		111	74 - 122
Chloromethane	50.0	37.0		ug/L		74	47 - 143
cis-1,2-Dichloroethene	50.0	52.5		ug/L		105	77 - 123
cis-1,3-Dichloropropene	50.0	55.5		ug/L		111	64 - 130
Dichlorobromomethane	50.0	58.0		ug/L		116	69 - 126
Ethylbenzene	50.0	53.2		ug/L		106	80 - 121
Hexane	50.0	51.9		ug/L		104	53 - 144
m-Xylene & p-Xylene	50.0	51.8		ug/L		104	80 - 120
2-Butanone (MEK)	100	102		ug/L		102	54 - 156
4-Methyl-2-pentanone (MIBK)	100	88.1		ug/L		88	46 - 158
Methylene Chloride	50.0	48.6		ug/L		97	71 - 125
o-Xylene	50.0	52.2		ug/L		104	80 - 123
Styrene	50.0	52.9		ug/L		106	80 - 135
Tetrachloroethene	50.0	59.2		ug/L		118	76 - 123
Toluene	50.0	50.1		ug/L		100	80 - 123
trans-1,2-Dichloroethene	50.0	48.5		ug/L		97	75 - 124
trans-1,3-Dichloropropene	50.0	52.0		ug/L		104	57 - 129
Trichloroethene	50.0	56.4		ug/L		113	70 - 122
Vinyl chloride	50.0	43.1		ug/L		86	60 - 144
Xylenes, Total	100	104		ug/L		104	80 - 121
Chlorodibromomethane	50.0	56.3		ug/L		113	70 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		62 - 137
4-Bromofluorobenzene (Surr)	94		56 - 136
Toluene-d8 (Surr)	95		78 - 122
Dibromofluoromethane (Surr)	110		73 - 120

QC Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-254206-4 MS

Matrix: Water

Analysis Batch: 708440

Client Sample ID: MW-D-S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		50.0	59.0		ug/L		118	60 - 130
1,1,1,2-Tetrachloroethane	ND		50.0	44.2		ug/L		88	54 - 145
1,1,2-Trichloroethane	ND		50.0	49.2		ug/L		98	69 - 131
1,1-Dichloroethane	ND		50.0	46.5		ug/L		93	68 - 125
1,1-Dichloroethene	ND		50.0	52.5		ug/L		105	56 - 135
1,2-Dichloroethane	ND		50.0	54.2		ug/L		108	63 - 126
1,2-Dichloropropane	ND		50.0	46.5		ug/L		93	69 - 130
2-Hexanone	ND		100	82.6		ug/L		83	35 - 156
Acetone	23		100	103		ug/L		80	33 - 149
Benzene	ND		50.0	46.0		ug/L		92	64 - 128
Bromoform	ND		50.0	57.7		ug/L		115	47 - 125
Bromomethane	ND		50.0	43.1		ug/L		86	28 - 150
Carbon disulfide	ND		50.0	42.4		ug/L		85	38 - 140
Carbon tetrachloride	ND		50.0	62.6		ug/L		125	51 - 133
Chlorobenzene	ND		50.0	48.5		ug/L		97	74 - 121
Chloroethane	ND		50.0	50.5		ug/L		101	10 - 199
Chloroform	ND		50.0	51.8		ug/L		104	70 - 122
Chloromethane	ND		50.0	33.4		ug/L		67	32 - 149
cis-1,2-Dichloroethene	9.0		50.0	56.1		ug/L		94	66 - 128
cis-1,3-Dichloropropene	ND		50.0	48.3		ug/L		97	47 - 125
Dichlorobromomethane	ND		50.0	55.0		ug/L		110	62 - 125
Ethylbenzene	ND		50.0	49.3		ug/L		99	67 - 127
Hexane	ND		50.0	44.0		ug/L		88	41 - 131
m-Xylene & p-Xylene	ND		50.0	48.4		ug/L		97	71 - 123
2-Butanone (MEK)	ND		100	95.4		ug/L		95	40 - 151
4-Methyl-2-pentanone (MIBK)	ND		100	83.3		ug/L		83	31 - 153
Methylene Chloride	ND		50.0	45.2		ug/L		90	62 - 129
o-Xylene	ND		50.0	47.6		ug/L		95	70 - 125
Styrene	ND		50.0	48.8		ug/L		98	70 - 139
Tetrachloroethene	ND		50.0	53.2		ug/L		106	62 - 131
Toluene	ND		50.0	46.4		ug/L		93	58 - 135
trans-1,2-Dichloroethene	0.66	J	50.0	46.0		ug/L		91	56 - 136
trans-1,3-Dichloropropene	ND		50.0	48.6		ug/L		97	47 - 120
Trichloroethene	220		50.0	244	4	ug/L		43	61 - 124
Vinyl chloride	ND		50.0	40.2		ug/L		80	43 - 157
Xylenes, Total	ND		100	96.0		ug/L		96	71 - 123
Chlorodibromomethane	ND		50.0	55.0		ug/L		110	65 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		62 - 137
4-Bromofluorobenzene (Surr)	92		56 - 136
Toluene-d8 (Surr)	91		78 - 122
Dibromofluoromethane (Surr)	109		73 - 120

QC Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-254206-4 MSD

Matrix: Water

Analysis Batch: 708440

Client Sample ID: MW-D-S

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		50.0	58.5		ug/L		117	60 - 130	1	17
1,1,2,2-Tetrachloroethane	ND		50.0	40.6		ug/L		81	54 - 145	9	15
1,1,2-Trichloroethane	ND		50.0	47.0		ug/L		94	69 - 131	5	14
1,1-Dichloroethane	ND		50.0	46.7		ug/L		93	68 - 125	0	13
1,1-Dichloroethene	ND		50.0	52.8		ug/L		106	56 - 135	0	26
1,2-Dichloroethane	ND		50.0	53.4		ug/L		107	63 - 126	2	12
1,2-Dichloropropane	ND		50.0	45.1		ug/L		90	69 - 130	3	13
2-Hexanone	ND		100	81.0		ug/L		81	35 - 156	2	17
Acetone	23		100	99.9		ug/L		76	33 - 149	3	34
Benzene	ND		50.0	44.9		ug/L		90	64 - 128	3	14
Bromoform	ND		50.0	54.9		ug/L		110	47 - 125	5	15
Bromomethane	ND		50.0	45.6		ug/L		91	28 - 150	6	26
Carbon disulfide	ND		50.0	41.8		ug/L		84	38 - 140	2	23
Carbon tetrachloride	ND		50.0	60.4		ug/L		121	51 - 133	4	24
Chlorobenzene	ND		50.0	45.3		ug/L		91	74 - 121	7	14
Chloroethane	ND		50.0	50.2		ug/L		100	10 - 199	1	30
Chloroform	ND		50.0	51.2		ug/L		102	70 - 122	1	14
Chloromethane	ND		50.0	33.8		ug/L		68	32 - 149	1	27
cis-1,2-Dichloroethene	9.0		50.0	55.2		ug/L		92	66 - 128	2	14
cis-1,3-Dichloropropene	ND		50.0	47.2		ug/L		94	47 - 125	2	13
Dichlorobromomethane	ND		50.0	54.3		ug/L		109	62 - 125	1	13
Ethylbenzene	ND		50.0	46.4		ug/L		93	67 - 127	6	15
Hexane	ND		50.0	43.1		ug/L		86	41 - 131	2	35
m-Xylene & p-Xylene	ND		50.0	44.9		ug/L		90	71 - 123	7	16
2-Butanone (MEK)	ND		100	96.6		ug/L		97	40 - 151	1	20
4-Methyl-2-pentanone (MIBK)	ND		100	81.7		ug/L		82	31 - 153	2	15
Methylene Chloride	ND		50.0	44.1		ug/L		88	62 - 129	2	17
o-Xylene	ND		50.0	46.3		ug/L		93	70 - 125	3	15
Styrene	ND		50.0	46.1		ug/L		92	70 - 139	6	18
Tetrachloroethene	ND		50.0	50.9		ug/L		102	62 - 131	4	20
Toluene	ND		50.0	43.5		ug/L		87	58 - 135	7	14
trans-1,2-Dichloroethene	0.66 J		50.0	45.5		ug/L		90	56 - 136	1	15
trans-1,3-Dichloropropene	ND		50.0	47.8		ug/L		96	47 - 120	2	14
Trichloroethene	220		50.0	247 4		ug/L		48	61 - 124	1	15
Vinyl chloride	ND		50.0	42.7		ug/L		85	43 - 157	6	24
Xylenes, Total	ND		100	91.2		ug/L		91	71 - 123	5	15
Chlorodibromomethane	ND		50.0	53.4		ug/L		107	65 - 120	3	13

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		62 - 137
4-Bromofluorobenzene (Surr)	95		56 - 136
Toluene-d8 (Surr)	94		78 - 122
Dibromofluoromethane (Surr)	110		73 - 120

QC Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-708538/6

Matrix: Water

Analysis Batch: 708538

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 22:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/06/26 22:24	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/06/26 22:24	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/06/26 22:24	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			07/06/26 22:24	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/06/26 22:24	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/06/26 22:24	1
2-Hexanone	ND		10	1.1	ug/L			07/06/26 22:24	1
Acetone	ND		10	5.4	ug/L			07/06/26 22:24	1
Benzene	ND		1.0	0.42	ug/L			07/06/26 22:24	1
Bromoform	ND		1.0	0.76	ug/L			07/06/26 22:24	1
Bromomethane	ND		2.0	1.1	ug/L			07/06/26 22:24	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/06/26 22:24	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/06/26 22:24	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/26 22:24	1
Chloroethane	ND		1.0	0.83	ug/L			07/06/26 22:24	1
Chloroform	ND		1.0	0.47	ug/L			07/06/26 22:24	1
Chloromethane	ND		1.0	0.63	ug/L			07/06/26 22:24	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			07/06/26 22:24	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/06/26 22:24	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/06/26 22:24	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/06/26 22:24	1
Hexane	ND		2.0	1.9	ug/L			07/06/26 22:24	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/06/26 22:24	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/06/26 22:24	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/06/26 22:24	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/06/26 22:24	1
o-Xylene	ND		1.0	0.42	ug/L			07/06/26 22:24	1
Styrene	ND		1.0	0.45	ug/L			07/06/26 22:24	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/06/26 22:24	1
Toluene	ND		1.0	0.44	ug/L			07/06/26 22:24	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			07/06/26 22:24	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/06/26 22:24	1
Trichloroethene	ND		1.0	0.44	ug/L			07/06/26 22:24	1
Vinyl chloride	ND		1.0	0.45	ug/L			07/06/26 22:24	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/06/26 22:24	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/06/26 22:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		07/06/26 22:24	1
4-Bromofluorobenzene (Surr)	88		56 - 136		07/06/26 22:24	1
Toluene-d8 (Surr)	102		78 - 122		07/06/26 22:24	1
Dibromofluoromethane (Surr)	98		73 - 120		07/06/26 22:24	1

Eurofins Cleveland

QC Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-708538/3

Matrix: Water

Analysis Batch: 708538

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	42.3		ug/L		85	64 - 131
1,1,2,2-Tetrachloroethane	50.0	42.0		ug/L		84	58 - 157
1,1,2-Trichloroethane	50.0	49.1		ug/L		98	70 - 138
1,1-Dichloroethane	50.0	50.0		ug/L		100	72 - 127
1,1-Dichloroethene	50.0	43.4		ug/L		87	63 - 134
1,2-Dichloroethane	50.0	44.9		ug/L		90	66 - 128
1,2-Dichloropropane	50.0	48.5		ug/L		97	75 - 133
2-Hexanone	100	88.8		ug/L		89	43 - 167
Acetone	100	79.7		ug/L		80	50 - 149
Benzene	50.0	48.5		ug/L		97	77 - 123
Bromoform	50.0	43.6		ug/L		87	57 - 129
Bromomethane	50.0	40.1		ug/L		80	36 - 142
Carbon disulfide	50.0	36.0		ug/L		72	43 - 140
Carbon tetrachloride	50.0	40.9		ug/L		82	55 - 137
Chlorobenzene	50.0	47.4		ug/L		95	80 - 121
Chloroethane	50.0	32.3		ug/L		65	38 - 152
Chloroform	50.0	46.5		ug/L		93	74 - 122
Chloromethane	50.0	47.7		ug/L		95	47 - 143
cis-1,2-Dichloroethene	50.0	47.5		ug/L		95	77 - 123
cis-1,3-Dichloropropene	50.0	42.7		ug/L		85	64 - 130
Dichlorobromomethane	50.0	44.5		ug/L		89	69 - 126
Ethylbenzene	50.0	44.9		ug/L		90	80 - 121
Hexane	50.0	37.0		ug/L		74	53 - 144
m-Xylene & p-Xylene	50.0	43.5		ug/L		87	80 - 120
2-Butanone (MEK)	100	88.1		ug/L		88	54 - 156
4-Methyl-2-pentanone (MIBK)	100	91.8		ug/L		92	46 - 158
Methylene Chloride	50.0	51.5		ug/L		103	71 - 125
o-Xylene	50.0	43.4		ug/L		87	80 - 123
Styrene	50.0	45.8		ug/L		92	80 - 135
Tetrachloroethene	50.0	49.6		ug/L		99	76 - 123
Toluene	50.0	45.9		ug/L		92	80 - 123
trans-1,2-Dichloroethene	50.0	48.4		ug/L		97	75 - 124
trans-1,3-Dichloropropene	50.0	45.7		ug/L		91	57 - 129
Trichloroethene	50.0	50.6		ug/L		101	70 - 122
Vinyl chloride	50.0	47.6		ug/L		95	60 - 144
Xylenes, Total	100	86.9		ug/L		87	80 - 121
Chlorodibromomethane	50.0	44.6		ug/L		89	70 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	96		56 - 136
Toluene-d8 (Surr)	99		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120

QC Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-708656/6

Matrix: Water

Analysis Batch: 708656

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/07/26 14:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/07/26 14:13	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/07/26 14:13	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/07/26 14:13	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			07/07/26 14:13	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/07/26 14:13	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/07/26 14:13	1
2-Hexanone	ND		10	1.1	ug/L			07/07/26 14:13	1
Acetone	ND		10	5.4	ug/L			07/07/26 14:13	1
Benzene	ND		1.0	0.42	ug/L			07/07/26 14:13	1
Bromoform	ND		1.0	0.76	ug/L			07/07/26 14:13	1
Bromomethane	ND		2.0	1.1	ug/L			07/07/26 14:13	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/07/26 14:13	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/07/26 14:13	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/07/26 14:13	1
Chloroethane	ND		1.0	0.83	ug/L			07/07/26 14:13	1
Chloroform	ND		1.0	0.47	ug/L			07/07/26 14:13	1
Chloromethane	ND		1.0	0.63	ug/L			07/07/26 14:13	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			07/07/26 14:13	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/07/26 14:13	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/07/26 14:13	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/07/26 14:13	1
Hexane	ND		2.0	1.9	ug/L			07/07/26 14:13	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/07/26 14:13	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/07/26 14:13	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/07/26 14:13	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/07/26 14:13	1
o-Xylene	ND		1.0	0.42	ug/L			07/07/26 14:13	1
Styrene	ND		1.0	0.45	ug/L			07/07/26 14:13	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/07/26 14:13	1
Toluene	ND		1.0	0.44	ug/L			07/07/26 14:13	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			07/07/26 14:13	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/07/26 14:13	1
Trichloroethene	ND		1.0	0.44	ug/L			07/07/26 14:13	1
Vinyl chloride	ND		1.0	0.45	ug/L			07/07/26 14:13	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/07/26 14:13	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/07/26 14:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		62 - 137		07/07/26 14:13	1
4-Bromofluorobenzene (Surr)	84		56 - 136		07/07/26 14:13	1
Toluene-d8 (Surr)	89		78 - 122		07/07/26 14:13	1
Dibromofluoromethane (Surr)	116		73 - 120		07/07/26 14:13	1

Eurofins Cleveland

QC Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-708656/3

Matrix: Water

Analysis Batch: 708656

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	62.4		ug/L		125	64 - 131
1,1,2,2-Tetrachloroethane	50.0	41.2		ug/L		82	58 - 157
1,1,2-Trichloroethane	50.0	45.6		ug/L		91	70 - 138
1,1-Dichloroethane	50.0	49.2		ug/L		98	72 - 127
1,1-Dichloroethene	50.0	55.8		ug/L		112	63 - 134
1,2-Dichloroethane	50.0	55.2		ug/L		110	66 - 128
1,2-Dichloropropane	50.0	47.4		ug/L		95	75 - 133
2-Hexanone	100	85.2		ug/L		85	43 - 167
Acetone	100	85.9		ug/L		86	50 - 149
Benzene	50.0	48.1		ug/L		96	77 - 123
Bromoform	50.0	58.6		ug/L		117	57 - 129
Bromomethane	50.0	48.9		ug/L		98	36 - 142
Carbon disulfide	50.0	47.0		ug/L		94	43 - 140
Carbon tetrachloride	50.0	62.3		ug/L		125	55 - 137
Chlorobenzene	50.0	48.2		ug/L		96	80 - 121
Chloroethane	50.0	53.7		ug/L		107	38 - 152
Chloroform	50.0	53.1		ug/L		106	74 - 122
Chloromethane	50.0	35.4		ug/L		71	47 - 143
cis-1,2-Dichloroethene	50.0	50.9		ug/L		102	77 - 123
cis-1,3-Dichloropropene	50.0	52.7		ug/L		105	64 - 130
Dichlorobromomethane	50.0	57.7		ug/L		115	69 - 126
Ethylbenzene	50.0	50.6		ug/L		101	80 - 121
Hexane	50.0	44.1		ug/L		88	53 - 144
m-Xylene & p-Xylene	50.0	48.9		ug/L		98	80 - 120
2-Butanone (MEK)	100	95.7		ug/L		96	54 - 156
4-Methyl-2-pentanone (MIBK)	100	86.8		ug/L		87	46 - 158
Methylene Chloride	50.0	48.2		ug/L		96	71 - 125
o-Xylene	50.0	49.6		ug/L		99	80 - 123
Styrene	50.0	50.2		ug/L		100	80 - 135
Tetrachloroethene	50.0	53.1		ug/L		106	76 - 123
Toluene	50.0	45.6		ug/L		91	80 - 123
trans-1,2-Dichloroethene	50.0	48.0		ug/L		96	75 - 124
trans-1,3-Dichloropropene	50.0	48.8		ug/L		98	57 - 129
Trichloroethene	50.0	53.6		ug/L		107	70 - 122
Vinyl chloride	50.0	44.2		ug/L		88	60 - 144
Xylenes, Total	100	98.5		ug/L		99	80 - 121
Chlorodibromomethane	50.0	53.9		ug/L		108	70 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		62 - 137
4-Bromofluorobenzene (Surr)	95		56 - 136
Toluene-d8 (Surr)	93		78 - 122
Dibromofluoromethane (Surr)	114		73 - 120

QC Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-708780/5

Matrix: Water

Analysis Batch: 708780

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			07/08/26 13:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			07/08/26 13:30	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			07/08/26 13:30	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			07/08/26 13:30	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			07/08/26 13:30	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			07/08/26 13:30	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			07/08/26 13:30	1
2-Hexanone	ND		10	1.1	ug/L			07/08/26 13:30	1
Acetone	ND		10	5.4	ug/L			07/08/26 13:30	1
Benzene	ND		1.0	0.42	ug/L			07/08/26 13:30	1
Bromoform	ND		1.0	0.76	ug/L			07/08/26 13:30	1
Bromomethane	ND		2.0	1.1	ug/L			07/08/26 13:30	1
Carbon disulfide	ND		1.0	0.59	ug/L			07/08/26 13:30	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			07/08/26 13:30	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/08/26 13:30	1
Chloroethane	ND		1.0	0.83	ug/L			07/08/26 13:30	1
Chloroform	ND		1.0	0.47	ug/L			07/08/26 13:30	1
Chloromethane	ND		1.0	0.63	ug/L			07/08/26 13:30	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			07/08/26 13:30	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			07/08/26 13:30	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			07/08/26 13:30	1
Ethylbenzene	ND		1.0	0.42	ug/L			07/08/26 13:30	1
Hexane	ND		2.0	1.9	ug/L			07/08/26 13:30	1
m-Xylene & p-Xylene	ND		2.0	0.42	ug/L			07/08/26 13:30	1
2-Butanone (MEK)	ND		10	4.2	ug/L			07/08/26 13:30	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			07/08/26 13:30	1
Methylene Chloride	ND		5.0	2.6	ug/L			07/08/26 13:30	1
o-Xylene	ND		1.0	0.42	ug/L			07/08/26 13:30	1
Styrene	ND		1.0	0.45	ug/L			07/08/26 13:30	1
Tetrachloroethene	ND		1.0	0.44	ug/L			07/08/26 13:30	1
Toluene	ND		1.0	0.44	ug/L			07/08/26 13:30	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			07/08/26 13:30	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			07/08/26 13:30	1
Trichloroethene	ND		1.0	0.44	ug/L			07/08/26 13:30	1
Vinyl chloride	ND		1.0	0.45	ug/L			07/08/26 13:30	1
Xylenes, Total	ND		2.0	0.42	ug/L			07/08/26 13:30	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			07/08/26 13:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		62 - 137		07/08/26 13:30	1
4-Bromofluorobenzene (Surr)	86		56 - 136		07/08/26 13:30	1
Toluene-d8 (Surr)	104		78 - 122		07/08/26 13:30	1
Dibromofluoromethane (Surr)	92		73 - 120		07/08/26 13:30	1

Eurofins Cleveland

QC Sample Results

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-708780/3

Matrix: Water

Analysis Batch: 708780

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	51.7		ug/L		103	64 - 131
1,1,1,2-Tetrachloroethane	50.0	54.0		ug/L		108	58 - 157
1,1,2-Trichloroethane	50.0	54.9		ug/L		110	70 - 138
1,1-Dichloroethane	50.0	49.2		ug/L		98	72 - 127
1,1-Dichloroethene	50.0	61.5		ug/L		123	63 - 134
1,2-Dichloroethane	50.0	45.1		ug/L		90	66 - 128
1,2-Dichloropropane	50.0	47.0		ug/L		94	75 - 133
2-Hexanone	100	79.5		ug/L		80	43 - 167
Acetone	100	85.2		ug/L		85	50 - 149
Benzene	50.0	50.7		ug/L		101	77 - 123
Bromoform	50.0	43.7		ug/L		87	57 - 129
Bromomethane	50.0	58.2		ug/L		116	36 - 142
Carbon disulfide	50.0	57.6		ug/L		115	43 - 140
Carbon tetrachloride	50.0	45.5		ug/L		91	55 - 137
Chlorobenzene	50.0	53.1		ug/L		106	80 - 121
Chloroethane	50.0	69.8		ug/L		140	38 - 152
Chloroform	50.0	51.4		ug/L		103	74 - 122
Chloromethane	50.0	35.7		ug/L		71	47 - 143
cis-1,2-Dichloroethene	50.0	52.8		ug/L		106	77 - 123
cis-1,3-Dichloropropene	50.0	48.3		ug/L		97	64 - 130
Dichlorobromomethane	50.0	49.6		ug/L		99	69 - 126
Ethylbenzene	50.0	49.7		ug/L		99	80 - 121
Hexane	50.0	63.9		ug/L		128	53 - 144
m-Xylene & p-Xylene	50.0	49.2		ug/L		98	80 - 120
2-Butanone (MEK)	100	100		ug/L		100	54 - 156
4-Methyl-2-pentanone (MIBK)	100	68.1		ug/L		68	46 - 158
Methylene Chloride	50.0	40.1		ug/L		80	71 - 125
o-Xylene	50.0	43.1		ug/L		86	80 - 123
Styrene	50.0	53.1		ug/L		106	80 - 135
Tetrachloroethene	50.0	51.2		ug/L		102	76 - 123
Toluene	50.0	53.6		ug/L		107	80 - 123
trans-1,2-Dichloroethene	50.0	49.1		ug/L		98	75 - 124
trans-1,3-Dichloropropene	50.0	50.6		ug/L		101	57 - 129
Trichloroethene	50.0	49.5		ug/L		99	70 - 122
Vinyl chloride	50.0	54.6		ug/L		109	60 - 144
Xylenes, Total	100	92.3		ug/L		92	80 - 121
Chlorodibromomethane	50.0	50.6		ug/L		101	70 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		62 - 137
4-Bromofluorobenzene (Surr)	94		56 - 136
Toluene-d8 (Surr)	100		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120

QC Association Summary

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

GC/MS VOA

Analysis Batch: 708440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-254206-2	MW-D-D	Total/NA	Water	8260D	
240-254206-3	MW-D-I	Total/NA	Water	8260D	
240-254206-4	MW-D-S	Total/NA	Water	8260D	
240-254206-5	MW-OS-1-I	Total/NA	Water	8260D	
240-254206-6	MW-OS-2	Total/NA	Water	8260D	
240-254206-7	MW-OS-3	Total/NA	Water	8260D	
240-254206-8	MW-G-S	Total/NA	Water	8260D	
240-254206-9	MW-G-I	Total/NA	Water	8260D	
240-254206-10	MW-G-D	Total/NA	Water	8260D	
240-254206-11	M-99	Total/NA	Water	8260D	
240-254206-12	TB-01	Total/NA	Water	8260D	
MB 240-708440/5	Method Blank	Total/NA	Water	8260D	
LCS 240-708440/4	Lab Control Sample	Total/NA	Water	8260D	
240-254206-4 MS	MW-D-S	Total/NA	Water	8260D	
240-254206-4 MSD	MW-D-S	Total/NA	Water	8260D	

Analysis Batch: 708538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-254206-1	MW-C-I	Total/NA	Water	8260D	
MB 240-708538/6	Method Blank	Total/NA	Water	8260D	
LCS 240-708538/3	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 708656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-254206-1	MW-C-I	Total/NA	Water	8260D	
MB 240-708656/6	Method Blank	Total/NA	Water	8260D	
LCS 240-708656/3	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 708780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-254206-3	MW-D-I	Total/NA	Water	8260D	
240-254206-7	MW-OS-3	Total/NA	Water	8260D	
MB 240-708780/5	Method Blank	Total/NA	Water	8260D	
LCS 240-708780/3	Lab Control Sample	Total/NA	Water	8260D	

Lab Chronicle

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-C-I

Lab Sample ID: 240-254206-1

Date Collected: 06/23/26 12:35

Matrix: Water

Date Received: 06/25/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	708656	CR2J	EET CLE	07/07/26 15:09
Total/NA	Analysis	8260D		1	708538	CR2J	EET CLE	07/07/26 01:51

Client Sample ID: MW-D-D

Lab Sample ID: 240-254206-2

Date Collected: 06/23/26 13:30

Matrix: Water

Date Received: 06/25/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	708440	LEE	EET CLE	07/06/26 15:39

Client Sample ID: MW-D-I

Lab Sample ID: 240-254206-3

Date Collected: 06/23/26 13:45

Matrix: Water

Date Received: 06/25/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	708440	LEE	EET CLE	07/06/26 16:02
Total/NA	Analysis	8260D		1	708780	LEE	EET CLE	07/08/26 16:06

Client Sample ID: MW-D-S

Lab Sample ID: 240-254206-4

Date Collected: 06/23/26 13:55

Matrix: Water

Date Received: 06/25/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	708440	LEE	EET CLE	07/06/26 16:25

Client Sample ID: MW-OS-1-I

Lab Sample ID: 240-254206-5

Date Collected: 06/23/26 15:30

Matrix: Water

Date Received: 06/25/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	708440	LEE	EET CLE	07/06/26 17:33

Client Sample ID: MW-OS-2

Lab Sample ID: 240-254206-6

Date Collected: 06/23/26 15:55

Matrix: Water

Date Received: 06/25/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	708440	LEE	EET CLE	07/06/26 17:56

Client Sample ID: MW-OS-3

Lab Sample ID: 240-254206-7

Date Collected: 06/23/26 16:15

Matrix: Water

Date Received: 06/25/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	708440	LEE	EET CLE	07/06/26 18:19
Total/NA	Analysis	8260D		1	708780	LEE	EET CLE	07/08/26 16:28

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Lab Chronicle

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Client Sample ID: MW-G-S

Lab Sample ID: 240-254206-8

Date Collected: 06/23/26 17:30

Matrix: Water

Date Received: 06/25/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	708440	LEE	EET CLE	07/06/26 18:42

Client Sample ID: MW-G-I

Lab Sample ID: 240-254206-9

Date Collected: 06/23/26 17:45

Matrix: Water

Date Received: 06/25/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	708440	LEE	EET CLE	07/06/26 19:05

Client Sample ID: MW-G-D

Lab Sample ID: 240-254206-10

Date Collected: 06/23/26 18:00

Matrix: Water

Date Received: 06/25/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	708440	LEE	EET CLE	07/06/26 19:28

Client Sample ID: M-99

Lab Sample ID: 240-254206-11

Date Collected: 06/23/26 12:00

Matrix: Water

Date Received: 06/25/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	708440	LEE	EET CLE	07/06/26 19:51

Client Sample ID: TB-01

Lab Sample ID: 240-254206-12

Date Collected: 06/23/26 18:30

Matrix: Water

Date Received: 06/25/26 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	708440	LEE	EET CLE	07/06/26 20:14

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: Key Environmental Inc
Project/Site: Alcoa - Wearever - Chillicothe

Job ID: 240-254206-1

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0859	05-05-27
Connecticut	State	PH-0806	09-30-26
Georgia	State	4062	02-27-27
Illinois	NELAP	200004	08-31-26
Iowa	State	421	06-01-27
Kansas	NELAP	E-10336	01-31-27
Kentucky (UST)	State	112225	02-28-27
Kentucky (WW)	State	KY98016	12-31-26
Michigan	State	9135	01-10-27
Minnesota	NELAP	039-999-348	12-31-26
New Hampshire	NELAP	2250	09-30-26
New Jersey	NELAP	OH001	06-30-27
New York	NELAP	10975	04-01-27
Ohio	State	8303	02-28-27
Ohio VAP	State	ORELAP 4062	07-08-26
Oregon	NELAP	4062	02-27-27
Pennsylvania	NELAP	68-00340	08-31-26
Texas	NELAP	T104704517	08-31-26
US Fish & Wildlife	US Federal Programs	A26406	02-28-27
USDA	US Federal Programs	525-24-5-34740	01-05-27
Virginia	NELAP	460175	09-30-26
West Virginia DEP	State	210	12-31-26
Wisconsin	State	399167560	08-31-26

$$\frac{0.9}{1.5}$$


240-254206 COC

Environment Testing

[illegible]

Eurofins - Cleveland Sample Receipt Form/Narrative		Login # _____
Barberton Facility		
Client <u>Key Environmental</u>	Site Name _____	Cooler unpacked by: _____
Cooler Received on <u>6/25/20</u>	Opened on <u>6/26/20</u>	
FedEx: 1st Grd <u>EXP</u> UPS <u>EXP</u> FAS <u>EXP</u> Waypoint <u>EXP</u>	Client Drop Off <u>EXP</u>	Eurofins Courier <u>Other</u>
Receipt After-hours. Drop-off Date/Time _____		Storage Location _____
Eurofins Cooler # _____	Foam Box _____	Client Cooler _____
Packing material used <u>Bubble Wrap</u>	Foam _____	Plastic Bag _____
COOLANT <u>Water</u>	Blue Ice _____	Dry Ice _____
	Water _____	None _____
☐ See Multiple Cooler Form		
1 Cooler temperature upon receipt _____	IR GUN # <u>1</u> (CF <u>40.6</u> °C)	Observed Cooler Temp <u>0.9</u> °C Corrected Cooler Temp <u>1.5</u> °C
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity <u>1</u> -Were the seals on the outside of the cooler(s) signed & dated? <u>Yes</u> <u>No</u> <u>NA</u> -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? <u>Yes</u> <u>No</u> <u>NA</u> -Were tamper/custody seals intact and uncompromised? <u>Yes</u> <u>No</u> <u>NA</u>		
3 Shippers' packing ship attached to the cooler(s)? <u>Yes</u> <u>No</u> 4 Did custody papers accompany the sample(s)? <u>Yes</u> <u>No</u> 5 Were the custody papers relinquished & signed in the appropriate place? <u>Yes</u> <u>No</u> 6 Was/were the person(s) who collected the samples clearly identified on the COC? <u>Yes</u> <u>No</u> 7 Did all bottles arrive in good condition (Unbroken)? <u>Yes</u> <u>No</u> 8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? <u>Yes</u> <u>No</u> 9 For each sample, does the COC specify preservatives (P), # of containers (C), and sample type of grab/comp (S)? <u>Yes</u> <u>No</u> 10 Were correct bottle(s) used for the test(s) indicated? <u>Yes</u> <u>No</u> 11 Sufficient quantity received to perform indicated analyses? <u>Yes</u> <u>No</u> 12. Are these work share samples and all listed on the COC? <u>Yes</u> <u>No</u> If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt? <u>Yes</u> <u>No</u> <u>NA</u> pH Strip Lot# <u>HC574455</u> 14. Were VOAs on the COC? <u>Yes</u> <u>No</u> 15 Were air bubbles >6 mm in any VOA vials? <u>Yes</u> <u>No</u> <u>NA</u> 16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>NA</u> 17 Was a LL Hg or Me Hg trip blank present? <u>Yes</u> <u>No</u>		
Contacted PM _____ Date _____ by _____ via <u>Verbal</u> <u>Voice Mail</u> <u>Other</u> _____ Concerning _____		
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page		Labeled by: _____ Labels Verified by: _____
19. SAMPLE CONDITION Sample(s) _____ were received after the recommended holding time had expired. Sample(s) <u>MU-3-D 1 HCL VOA</u> were received in a broken container Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)		
20. SAMPLE PRESERVATION		
Sample(s) _____ were further preserved in the laboratory Time preserved _____ Preservative(s) added/Lot number(s) _____ VOA Sample Preservation - Date/Time VOAs Frozen. _____		

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Temperature readings							
Client Sample ID	Lab ID	Container Type	Container	Preservation	Preservation		
			pH	Temp	Added	Lot Number	
MW-C-1	240-254206-A-1	Voa Vial 40ml - Hydrochloric Acid					
MW-C-1	240-254206-B-1	Voa Vial 40ml - Hydrochloric Acid					
MW-C-1	240-254206-C-1	Voa Vial 40ml - Hydrochloric Acid					
MW-D-D	240-254206-A-2	Voa Vial 40ml - Hydrochloric Acid					
MW-D-D	240-254206-B-2	Voa Vial 40ml - Hydrochloric Acid					
MW-D-D	240-254206-C-2	Voa Vial 40ml - Hydrochloric Acid					
MW-D-1	240-254206-A-3	Voa Vial 40ml - Hydrochloric Acid					
MW-D-1	240-254206-B-3	Voa Vial 40ml - Hydrochloric Acid					
MW-D-1	240-254206-C-3	Voa Vial 40ml - Hydrochloric Acid					
MW-D-S	240-254206-A-4	Voa Vial 40ml - Hydrochloric Acid					
MW-D-S	240-254206-A-4 MS	Voa Vial 40ml - Hydrochloric Acid					
MW-D-S	240-254206-A-4 MSD	Voa Vial 40ml - Hydrochloric Acid					
MW-D-S	240-254206-B-4	Voa Vial 40ml - Hydrochloric Acid					
MW-D-S	240-254206-B-4 MS	Voa Vial 40ml - Hydrochloric Acid					
MW-D-S	240-254206-B-4 MSD	Voa Vial 40ml - Hydrochloric Acid					
MW-D-S	240-254206-C-4	Voa Vial 40ml - Hydrochloric Acid					
MW-D-S	240-254206-C-4 MS	Voa Vial 40ml - Hydrochloric Acid					
MW-D-S	240-254206-C-4 MSD	Voa Vial 40ml - Hydrochloric Acid					
MW-OS-1-1	240-254206-A-5	Voa Vial 40ml - Hydrochloric Acid					
MW-OS-1-1	240-254206-B-5	Voa Vial 40ml - Hydrochloric Acid					
MW-OS-1-1	240-254206-C-5	Voa Vial 40ml - Hydrochloric Acid					
MW-OS-2	240-254206-A-6	Voa Vial 40ml - Hydrochloric Acid					
MW-OS-2	240-254206-B-6	Voa Vial 40ml - Hydrochloric Acid					
MW-OS-2	240-254206-C-6	Voa Vial 40ml - Hydrochloric Acid					
MW-OS-3	240-254206-A-7	Voa Vial 40ml - Hydrochloric Acid					
MW-OS-3	240-254206-B-7	Voa Vial 40ml - Hydrochloric Acid					
MW-OS-3	240-254206-C-7	Voa Vial 40ml - Hydrochloric Acid					
MW-G-S	240-254206-A-8	Voa Vial 40ml - Hydrochloric Acid					
MW-G-S	240-254206-B-8	Voa Vial 40ml - Hydrochloric Acid					
MW-G-1	240-254206-A-9	Voa Vial 40ml - Hydrochloric Acid					
MW-G-1	240-254206-B-9	Voa Vial 40ml - Hydrochloric Acid					
MW-G-1	240-254206-C-9	Voa Vial 40ml - Hydrochloric Acid					

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservation</u> <u>Temp</u>	<u>Preservation</u> <u>Added</u>	<u>Lot Number</u>
MW-G-D	240-254206-A-10	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
MW-G-D	240-254206-B-10	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
MW-G-D	240-254206-C-10	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
M-99	240-254206-A-11	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
M-99	240-254206-B-11	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
M-99	240-254206-C-11	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
TB-01	240-254206-A-12	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
TB-01	240-254206-B-12	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____
TB-01	240-254206-C-12	Voa Vial 40ml - Hydrochloric Acid	_____	_____	_____	_____

Key Environmental, Inc.

DATE: July 28, 2026

FROM: Kendra Chintella

SUBJECT: Wearever Groundwater

Sample Delivery Group (SDG)	Sample ID
240-254206-1	MW-C-I, MW-D-D, MW-D-I, MW-D-S, MW-OS-1-I, MW-OS-2, MW-OS-3, MW-G-S, MW-G-I, MW-G-D, M-99 (MW-OS-1-I), TB-01

ANALYSES: Method 8260D (VOCs)

LABORATORY: Eurofins Laboratories, Inc., Cleveland

The data contained in this SDG were evaluated with regard to the following parameters:

- ☐ Sample Shipment
Noncompliances: None
- ☐ Data Completeness
Noncompliances: None
- ☐ Holding Times
Noncompliances: VOCs were reanalyzed outside of hold time for samples MW-D-I and MW-OS-3.
No data qualification was necessary as initial results are presented.
- ☐ Laboratory Blank Contamination
Noncompliances: None
- ☐ Field Blank Contamination
Noncompliances: None
- ☐ Field Duplicate Precision
Noncompliances:

FIELD DUPLICATE PRECISION					
ANALYTE	MW-OS-1-I	QUAL	M-99	QUAL	RPD
1,1-Dichloroethene	4.1		4		2.47
Acetone	39		38		2.60
cis-1,2-Dichloroethene	300		300		0.00
trans-1,2-Dichloroethene	1.7		1.6		6.06
Trichloroethene	7.6		7.4		2.67
Vinyl chloride	3.1		2.9		6.67

- ☐ Surrogate Recovery
Noncompliances:

Sample ID	Surrogate	Recovery	Compound	Qualification
MW-D-I MW-OS-3	Dibromofluoromethane	Above %R	None	None

PAGE: 2

- ☐ Laboratory Control Sample
Noncompliances: None
- ☐ Matrix Spike/Matrix Spike Duplicate Sample
Noncompliances: None