HAND DELIVERED

July 31, 2023
Kleinfelder Project No.: 20193011.001A

Mr. Christopher Ralston
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, Maryland 21230

SUBJECT: PHASE 2 RECOVERY WELL CYCLING REPORT OF RESULTS AND REQUEST FOR POST-OPERATIONAL MONITORING
Inactive Exxon Facility #28077
14258 Jarrettsville Pike, Phoenix, Maryland
MDE Case No. 2006-0303-BA2

Dear Mr. Ralston:

Kleinfelder Inc. (Kleinfelder), on behalf of ExxonMobil Environmental & Property Solutions (ExxonMobil), is submitting this Phase 2 Recovery Well Cycling Report of Results and Request for Post-Operational Monitoring to the Maryland Department of the Environment (MDE) Oil Control Program to summarize results from the cycling of recovery wells completed from January to June 2023 at the Inactive Exxon Facility #28077 (Case Number 2006-0303-BA2).

Summary of Phase 2 Recovery Well Cycling and Monitoring Activities

From March through December 2022, Kleinfelder, on behalf of ExxonMobil completed a recovery well (RW) cycling assessment, as reported to the MDE in the January 24, 2023 *Recovery Well Cycling Report of Results*. As indicated in the January 24, 2023 Report, the cycling assessment included: (i) deactivation of 14 RWs, (ii) one round of cycling the 14 RWs off and on, (iii) subsequent cycling of 3 RWs, and (iv) reactivation of 3 RWs (MW-178C, MW-187A, and MW-187C). All work and RW adjustments were approved by the MDE. The reduction from 14 RWs to 3 RWs was supported by the absence of persistent concentrations of dissolved phase gasoline constituents above action levels at 11 of the prior RWs and select proximal wells. During a conference call on January 5, 2023, ExxonMobil, Kleinfelder and the MDE discussed the results of the 2022 cycling assessment as well as a proposed second phase of RW cycling. The Phase 2 Cycling Assessment included the following, as outlined in a January 9, 2023 email from Kleinfelder and approved by the MDE in a return email (**Attachment 1**):

- add recovery pumps to MW-54B and MW-38C
- remove the pump from MW-178C and convert to an immediate downgradient (from active recovery) monitoring point
- continue groundwater recovery from intersection wells MW-187A and MW-187C
- cycle twice the four RWs - ON for one month, OFF for one month
- collect monthly groundwater samples from the following wells (listed in progressive downgradient order) - MW-187A, MW-187B, MW-187C, MW-54B, MW-38C, MW-178C; sample other wells as currently directed by MDE

- provide the MDE monthly updates via email including a figure, summary table, and analytical reports, and
- review cycling results with MDE after data is compiled following the second OFF cycle.

During the January 5, 2023 meeting, MDE provided verbal approval to resume groundwater recovery from MW-54B, which was started on January 10, 2023, and MDE provided email approval of the Phase 2 Cycling Assessment on January 20, 2023 (**Attachment 1**). On January 27, 2023 the pump was removed from MW-178C and a pump was re-activated in MW-38C, initiating the first 1-month on-cycle. The MDE was notified of this change by email. The proposed Phase 2 of the cycling assessment was also documented in the February 27, 2023 *Sampling Reduction, Well Abandonment and Additional Cycling Workplan (Workplan)*. As stated in the Workplan, this second phase of recovery well cycling was focused on evaluating the potential benefit of continued groundwater recovery from the remaining area of recalcitrant dissolved phase concentrations within the intersection of Jarrettsville Pike and Papermill Rd, and adjacent properties to the northeast (14307 and 14311 Jarrettsville Pike). **Figure 1** shows the recovery wells and proximal wells included in Phase 2 of the cycling assessment.

The table below summarizes the MDE-approved Phase 2 cycling assessment activities and the related schedule:

Week	Start Date	Activity	Sampling Dates	System Status
39	5-Dec	CONCLUSION OF PHASE 1 CYCLING Week 39 – After two weeks with system off, collect groundwater samples from 14 off-cycle RWs and 7 proximal wells. System re-started Dec 9 with three RWs (MW-178C, MW-187A, MW187C).	Dec 5 to Dec 7	Back On Dec 9
--	10-Jan	Pump in MW-54B reactivated following verbal approval from MDE; total of 4 RWs active (MW-187A, MW-187C, MW-54B, MW-178C)	No sampling	On
Week 1	27-Jan	START PHASE 2 CYCLING System ON with four RWs - MW-187A, MW-187C, MW-54B, MW-38C; MW-178C taken offline	No sampling	On
Week 4	20-Feb	**Phase 2 Cycling Round 1 Sampling** With system ON the following wells were sampled: four RWs (MW-187A, MW-187C, MW-54B, MW-38C) and three proximal wells (MW-187B, MW-54C, MW-178C). Grab samples were collected from the four RWs; purge/grab samples were collected from MW-187B and MW-178C; and two hydrasleeve samples were collected from MW-54C.	20-Feb	On
Week 5	28-Feb	System Shutdown for one month	No sampling	Off

Week	Start Date	Activity	Sampling Dates	System Status
Week 8	20-Mar	**Phase 2 Cycling Round 2 Sampling** With system OFF the following wells were sampled: four RWs (MW-187A, MW-187C, MW-54B, MW-38C) and three proximal wells (MW-187B, MW-54C, MW-178C). Grab samples were collected from the four RWs; purge/grab samples were collected from MW-187B and MW-178C; and two hydrasleeve samples were collected from MW-54C.	20-Mar	Off
Week 9	27-Mar	System Restarted for one month	No sampling	On
Week 13	24-Apr	**Phase 2 Cycling Round 3 Sampling** With system ON the following wells were sampled: four RWs (MW-187A, MW-187C, MW-54B, MW-38C) and three proximal wells (MW-187B, MW-54C, MW-178C). Grab samples were collected from the four RWs; purge/grab samples were collected from MW-187B and MW-178C; and two hydrasleeve samples were collected from MW-54C.	24-Apr	On
Week 13	28-Apr	System Shutdown for one month	No sampling	Off
Week 17	22-May	**Phase 2 Cycling Round 4 Sampling** With system OFF the following wells were sampled: four RWs (MW-187A, MW-187C, MW-54B, MW-38C) and three proximal wells (MW-187B, MW-54C, MW-178C). Grab samples were collected from the four RWs; purge/grab samples were collected from MW-187B and MW-178C; and two hydrasleeve samples were collected from MW-54C.	22-May	Off
Week 18	1-Jun	System Restarted	No sampling	On

As listed above, groundwater monitoring was conducted each month during the Phase 2 cycling assessment, including sampling the four recovery wells and three proximal monitoring wells (MW-54C was added to proximal sampling due to elevated MTBE concentration detections at the end of 2022 and to provide an additional deep monitoring point northeast and downgradient of the intersection). The depth to groundwater was gauged during the sampling events. Groundwater analytical data and groundwater gauging data for recovery wells and proximal monitoring wells for the cycling assessment and previous 4 years are included in **Table 1** and **Table 2**. The cycling assessment laboratory analytical reports are included in **Attachment 2**.

Groundwater Recovery and Treatment System Operations

During the Phase 2 recovery well cycling program, the groundwater recovery and treatment system was cycled on then off for approximately one month each, for two cycles over four months. At the conclusion of the Phase 2 cycling assessment all four RWs were brought back online. The on/off system cycling, and corresponding sampling was conducted to assess if residual groundwater impact concentration levels (increases and decreases) correlated with system operation status.

System off/on operation status is summarized below:

Week	System Change Date	Activity	System Status
Week 1	27-Jan	START PHASE 2 CYCLING System ON with four RWs - MW-187A, MW-187C, MW-54B, MW-38C; MW-178C taken offline	On January 27 to February 28
Week 5	28-Feb	System off	Off February 28 to March 27
Week 9	27-Mar	System Restarted	On March 27 to April 28
Week 13	28-Apr	System off	Off April 28 to June 1
Week 18	1-Jun	System Restarted	On June 1

For the two recovery system on-cycles (January / February and March / April), system operating parameters are summarized below:

On-Cycle	Operating RWs	Days of System Operation	Average Flow Rate in Gallons/minute	Total Gallons Recovered	Influent Benzene, BTEX & MTBE Concentrations (ppb)
January 27 to February 28	MW-38C, MW-54B, MW-187A and MW-187C	32	0.23 (0.19 - SW wells; 0.04 - NE wells)	10,399 gal (8,743 - SW wells 1,656 - NE wells)	2/20/23 B = <1.0 ppb BTEX = Non-detect MTBE = 27 ppb
March 27 to April 28	MW-38C, MW-54B, MW-187A and MW-187C	32	0.17 (0.11 – SW wells; 0.05 – NE wells)	7,656 (5,230 - SW wells; 2,426 - NE wells)	4/24/23 B = <1.0 ppb BTEX = Non-detect MTBE = 0.96J ppb

Using the groundwater flowrates and influent sample concentrations, dissolved phase mass recovery estimates for the two on-cycles are calculated for the January / February on-cycle as 0.00007 lbs/day MTBE (0.0023 lbs MTBE total), and for the March / April on-cycle as 0.000002 lbs/day MTBE (0.0001 lbs MTBE total).

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Results

Groundwater Monitoring

Groundwater monitoring during the Phase 2 cycling assessment focused on the remaining area of recalcitrant concentrations, including the four actively cycled RWs and three proximal wells, which were sampled monthly. Groundwater analytical data trends were evaluated relative to the on and off cycles. In most of the recovery wells and the proximal wells, MTBE and BTEX concentration trends were generally consistent with recent trends, including those observed during the first phase of cycling in 2022 and with few exceptions, fluctuations in groundwater concentrations do not correlate to system on- or off-cycles. The groundwater analytical data set developed from the cycling work is provided in **Table 1**, which was also provided to the MDE via email on a monthly basis throughout the cycling assessment. Concentration and groundwater elevation trend graphs for the past 5 years are included as **Attachment 3** for each of the four recovery wells and three proximal wells. Trend analysis discussion for the seven monitoring wells is provided below by parcel, starting with the wells closest to the release area in the intersection, and moving downgradient to the northeast.

Intersection of Jarrettsville Pike and Sweet Air Road (Intersection) – Monitoring wells MW-187A and MW-187C are recovery wells which were cycled on during both on-cycles and continue to operate, while MW-187B was sampled as a proximal well. At MW-187A, MTBE and benzene concentrations during and after cycling remained above action levels, generally consistent with pre-cycling concentrations, with fluctuations observed throughout the Phase 2 cycling assessment, with higher concentrations during the off-cycles, and lower concentrations during the on-cycles. This is the one well during the Phase 2 cycling which exhibited this pattern. However, it should be noted that the benzene concentrations during the second off-cycle were lower than the first off-cycle and during the phase 1 cycling assessment, therefore a continued decreasing trend at this location is observed regardless of system operation status.

At MW-187B, the intermediate-depth well within the intersection which has been offline since June 2022 was also sampled monthly as a proximal well during the Phase 2 cycling assessment. With the exception of one detection of benzene above the action level during the first on cycle, MTBE and benzene concentrations remained below action levels, exhibiting continued decreasing trends for the duration of the cycling assessment regardless of system on/off status.

At MW-187C, MTBE concentrations remained elevated at concentrations generally consistent with the 2-3 year maximum ranges, while benzene concentrations remained below the action level or non-detect for the duration of cycling. MTBE concentrations exhibited fluctuations within recent ranges with generally higher concentrations during system-on cycles, and generally lower concentrations during system-off cycles; e.g. inverse of what was observed at MW-187A, therefore pump operation appears to have limited effect on concentration trends at MW-187C.

14307 Jarrettsville Pike – Monitoring well MW-54B is a recovery well on the western side of the parcel which was brought back online in January 2023 following the 2022 cycling assessment, and MW-54C is a deep monitoring well which was sampled as a proximal well. During the Phase 2 cycling, both MTBE and benzene concentrations exhibited decreased concentrations compared to the phase 1 cycling assessment. MTBE concentrations remain above the MDE action level of 20 ppb, while benzene decreased below the action level for the duration of the Phase 2 cycling assessment. There was no apparent correlation between concentrations and pumping status at MW-54B during Phase 2 cycling.

Proximal well MW-54C was sampled via Hydrasleeve from two intervals; 210 feet and 298 ft deep. Benzene and MTBE results from both intervals were relatively stable above MDE action levels for the duration of the Phase 2 cycling assessment, though concentrations were lower than the maximum concentrations detected during the 2022 phase 1 cycling. The maximum detected benzene and MTBE concentrations from the two intervals for each sampling event are plotted on the Charts in **Attachment 3.** There was no apparent correlation between concentrations in MW-54C and pumping status at nearby wells during the Phase 2 cycling.

14311 Jarrettsville Pike – Monitoring well MW-38C is a recovery well on the eastern side of this parcel which during the 2022 phase 1 cycling, was cycled on during the first on-cycle in May/June 2022, then remained off until the start of the Phase 2 cycling in January 2023. MTBE concentrations decreased following the resumption of pumping and throughout the Phase 2 cycling to below the MDE action level, while benzene decreased to non-detect for the duration of the Phase 2 cycling. There was no apparent correlation between concentrations and pumping status at MW-54B during the Phase 2 cycling. It is noted that MW-38C is a very slow recharging well and during the off-cycles, the non-pumping groundwater elevations in MW-38C did not likely reach static elevations based on comparison with historic groundwater elevations during extended non-pumping periods. For example, the non-pumping groundwater elevations during the non-pumping gauging events in 2022 stabilized at elevations of greater than 536 ft, while the maximum non-pumping groundwater elevation in MW-38C during the Phase 2 cycling was 475.88 ft. Therefore, an extended period of shut-down is needed to evaluate MW-38C concentration trends once groundwater elevations have equilibrated; however it is anticipated that concentrations would be similar or lower than those observed during the 2022 phase 1 cycling when groundwater elevations and concentrations both plateaued.

3501 Hampshire Glen Court – Monitoring well MW-178C is a proximal well at the western side of the parcel which is downgradient of the four cycled RWs, and it is a former RW which was turned off at the start of the Phase 2 cycling. MTBE concentrations remained above the MDE action level generally consistent with concentrations observed when MW-178C was pumping prior to the Phase 2 cycling, and there was an overall decreasing MTBE concentration trend over the four-month Phase 2 cycling. Benzene concentrations remained non-detect for the duration of cycling. The continued decreasing MTBE trend and non-detect benzene provides support that concentrations downgradient of the most recalcitrant concentrations will continue to decrease with or without system operation.

In addition to monthly groundwater sampling of the four RWs and three proximal wells during the Phase 2 cycling, routine first quarter 2023 groundwater sampling was conducted at other wells according to the MDE-approved sampling schedule, as reported in the First Quarter 2023 Remedial Action Progress Report. The first quarter groundwater sampling results indicate concentrations are generally consistent with established trends and there were no significant changes in quarterly sampled wells due to system cycling.

Groundwater elevation data as presented on the Charts in **Attachment 3**, and **Table 2**, indicate groundwater elevations equilibrated to background levels when groundwater recovery was offline, except as discussed for MW-38C.

Groundwater Recovery System Influent

Prior to the cycling work, from the last sequential well conversion in June 2021 through March 2022, remediation system groundwater recovery rates averaged of 0.7 gallons per minute (gpm). During the 2022 phase 1 cycling, groundwater recovery averaged 0.7 gpm with 14 RWs cycled on in May / June, and decreased to 0.4 gpm in October / November when 3 RWs were brought back online. During Phase 2 cycling, groundwater recovery averaged 0.2 gpm with 4 RWs operating in January / February and March / April. This decrease in recovery rate from the end of 2022 when 3 RWs were operating to when 4 RWs were operating for the Phase 2 cycling is likely due to the lower groundwater yield of MW-38C and MW-54B compared to MW-178C.

During the Phase 2 cycling on-cycles, the influent concentrations were 27 ppb MTBE and non-detect total BTEX in February, then decreased to 0.96J ppb MTBE and non-detect total BTEX in April. The estimated combined MTBE and total BTEX mass recovery rates are plotted in Chart 1 below from January 2021 through June 2023, which illustrates how the influent mass recovery rate has continued to decrease, though there have been periodic, short-term increases in mass recovery following reductions and other changes in pumping wells which remove relatively low concentration "dilute" water from the influent stream, which subsequently decrease. Following the conclusion of the Phase 2 cycling, in June 2023 the dissolved phase mass recovery rate was 0.00004 lbs/day, or 0.015 lbs/year.

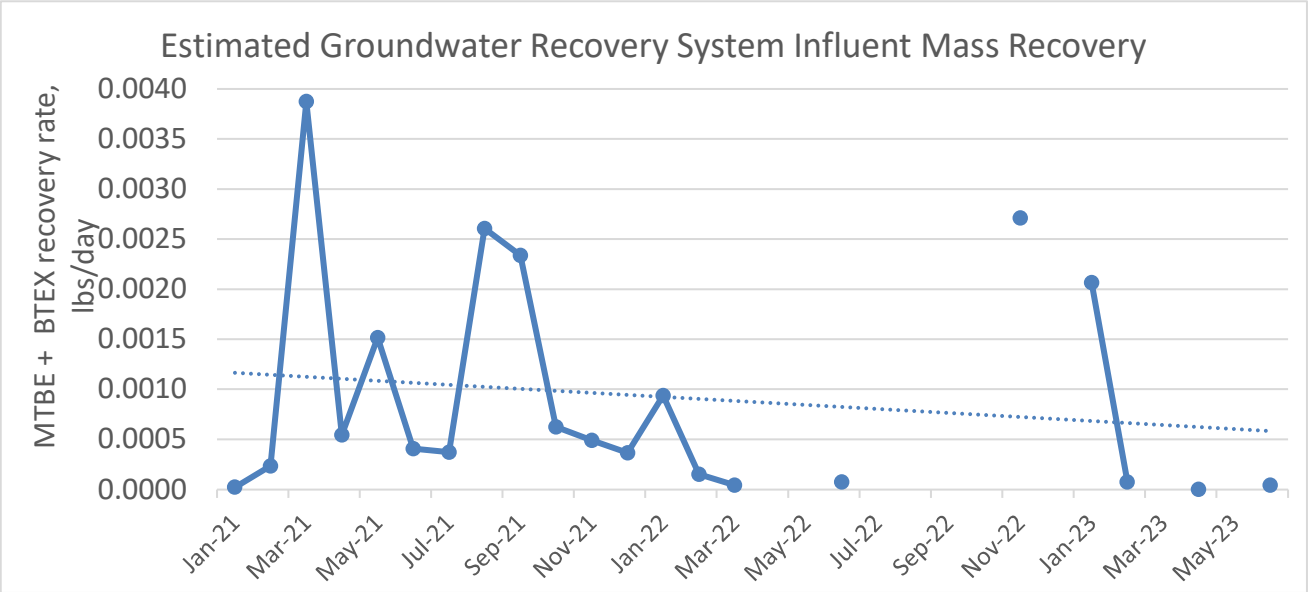

Chart 1. Groundwater recovery system combined estimated MTBE and Total BTEX mass recovery rate, 2021 – June 2023

Potable Water Supply Wells

Throughout the cycling assessment, private supply wells were sampled according to the MDE-approved schedule. During the cycling assessment, supply well sample results indicated concentrations remained consistent with pre-cycling results. All supply well concentrations remained below action levels with most results non-detect or low-level J-flag estimated detections, with the exception of MTBE at 3627A Southside Avenue, which had one detection above the action level and three detections below the action level during the Phase 2 cycling, and had MTBE detected above the action level prior to cycling. There was no apparent correlation between concentrations in the 3627A Southside private supply well and pumping status at upgradient recovery wells during the Phase 2 cycling. Supply well results are presented in **Table 3** which shows samples collected during the Phase 2 cycling assessment highlighted in light blue.

Conclusions and Request for Post-Remediation Monitoring

The Phase 2 recovery well cycling assessment was completed as discussed with and approved by the MDE in January 2023, and as documented in the February 27, 2023 Workplan. The Phase 2 recovery well cycling assessment was focused on assessing if there was potential benefit of continued groundwater recovery from the remaining area of recalcitrant dissolved phase concentrations within the intersection of Jarrettsville Pike and Papermill Rd, and adjacent properties to the northeast. The results of the Phase 2 cycling, along with the results of the 2022 phase 1 cycling and recent site data indicate the following:

- Changes in groundwater concentrations during the Phase 2 cycling assessment, including data from the recovery wells and proximal wells, as well as quarterly MW sampling and quarterly and monthly PSW sampling, appeared to correlate more with the recent (e.g. 1-2 year) trends within each well, than with system operational status. Therefore, there is little apparent benefit to continue system operation, as groundwater concentration trends are expected to continue decreasing with time even with the system off.
- The Natural Attenuation (NA) evaluation conducted in 2022 and reported in the January 24, 2023 *Recovery Well Cycling Report of Results* indicates the continued presence of geochemical indicators and of petroleum and oxygenate degraders which will continue to degrade remaining concentrations of MTBE and benzene.
- Large portions of the site along the original path of light non-aqueous phase liquid (LNAPL) migration, including the former UST system release area, former station, and to the east / northeast of the western property boundary of 3501 Hampshire Glen Court (e.g. downgradient of MW-178C) have been in post-remediation monitoring for 1 year, and the areas to the south and southwest of the former station property have been in post-remediation monitoring for approximately 8 years, and no adverse impacts or sustained rebound has occurred.
- Concentrations in the currently active 4 recovery wells are stable and/or decreasing. In 2022 with system offline for over 7 months of the year, some rebound occurred to within recent elevated levels, but then generally plateaued or resumed decreasing. Since then, concentrations have either remained stable or continued to decrease. Trends during the Phase 2 cycling do not generally correlate with system operational status. The maximum or "plateau" concentrations observed during the 2022 cycling (with the system off for over 7 months) likely presents an approximation of the upper bound of concentrations and maximum spatial extent of residual impact to be observed following final system shutdown. Concentrations are expected to continue to degrade with time.
- The overall footprint of remaining impacts remained stable through more than 9 months of system shut-down during cycling in 2022 and 2023; there is no indication of migration of impacts during both cycling assessments.
- Groundwater recovery system influent flowrates averaged 0.2 gpm (288 gallons/day (gpd)) throughout the Phase 2 cycling, and influent MTBE mass recovery ranged from 0.000002 to 0.00007 lbs/day. This minimal recovery does not warrant continued system operation as natural attenuation mechanisms are considered effective in continued degradation of the remaining MTBE and benzene concentrations.

Based on these findings, Kleinfelder, on behalf of ExxonMobil requests approval to shut down the remaining four recovery wells to expand post-remediation monitoring to encompass the entire site and continue monitoring the aquifer response with all recovery wells are offline, supporting the data collected and conclusions from the two cycling assessments.

The June 2018 *Order of Resolution, Exhibit C* (**Attachment 4**) provides a flowchart for the expected process for conversion of recovery wells to monitoring wells. The flowchart allows for evaluation, proposal and implementation of risk-based alternatives (with MDE approval) to groundwater recovery for RWs that have not had gasoline constituent concentrations below action levels for at least one year. This request for post-operational monitoring is consistent with the risk-based alternative approach within the Exhibit C flowchart. While the four remaining active RWs have at least one constituent above action levels, the cycling assessments conducted in 2022 and 2023 have demonstrated the following:

1. There is no apparent risk of migration of gasoline constituents at unacceptable levels when the remediation system is off because the plume footprint is stable as shown by monitoring well and private supply well concentration trends which are consistent under both pumping and non-pumping conditions;
2. Continued operation of the groundwater recovery system is providing negligible remediation benefit as shown by the very low groundwater flowrate (0.2 GPM / 288 GPD during Phase 2 on-cycles) and minimal

estimated dissolved phase gasoline constituent mass recovery rate of 0.00007 lbs/day or less since the start of the Phase 2 cycling; and

3. Natural attenuation is a viable alternative as demonstrated both by the 2022 natural attenuation assessment, which indicated that a mix of aerobic and anaerobic petroleum and oxygenate degraders remain under non-pumping conditions across much of the site where elevated concentrations persist, as well as the empirical groundwater analytical data which indicates the gasoline constituent plume is stable to decreasing even under non-pumping conditions as a result of natural attenuation.

Post-Remediation Monitoring

Post-remediation monitoring is proposed consistent with the Exhibit C Flowchart risk-based alternative approach. Pending MDE approval, the system will be shut down, and the pumps will be removed from all recovery wells. Consistent with the previous RW conversions, the four converted RWs (MW-38C, MW-54B, MW-187A and MW-187C) will be gauged and sampled monthly for three months, along with the three proximal wells MW-54C, MW-178C, and MW-187B. After the initial three months of monitoring, these seven wells will be sampled on a quarterly frequency. The groundwater recovery system equipment will remain onsite for one year following system shutdown, with the exception of the rental air compressor which will be taken off rent. A rental air compressor will be available for reinstallation within approximately two weeks, if required. Following system shutdown, it is possible that there may be fluctuations above current groundwater concentrations, though it is expected that fluctuations would be within the range of concentrations observed over the last two years during the 2022 and 2023 cycling assessments. However, if post-remediation monitoring data indicates a sustained increasing groundwater concentration trend above the range of concentrations detected within that well over the previous two years, the MDE will be notified to evaluate whether resuming pumping or other remedial action is warranted.

In addition to the monthly sampling for three months following shutdown, routine groundwater monitoring will be conducted according to the plan, pending MDE comments, which was presented in the February 27, 2023 Workplan, and is currently under review by the MDE. Following Workplan submittal on February 27, 2023, MDE, ExxonMobil and Kleinfelder have had several meetings and communications regarding the Workplan including: a meeting at the MDE on March 29, 2023; an email from the MDE on June 1, 2023 which included comments on 63 wells with proposed changes in the Workplan; a June 27, 2023 working session at the MDE; and follow-on email communications and phone calls. The Workplan proposes changes to monitoring well sampling frequencies, abandonment of 150 monitoring wells which meet the criteria established in the June 2018 *Order of Resolution, Exhibit D* (**Attachment 4**), and private supply well sampling changes / discontinuation consistent with the criteria established in the June 2018 *Order of Resolution, Exhibit E* (**Attachment 4**). Details including proposed changes, sampling techniques and technical rationale for the proposed monitoring well sampling, monitoring well abandonments, and private supply well sampling are presented in the Workplan and a summary of the current and proposed post-operational monitoring is presented below:

Summary of Current Monitoring and Proposed Post-Operational Monitoring Activities and Well Abandonments

	Current Totals	Proposed Post-Remediation Monitoring Totals
Existing Monitoring Wells	**187**	**37**
Sampled	119	33
- Monthly Sampling (for 3 months following shutdown, then quarterly)	0	7
- Quarterly Sampling	60	15
- Semi-Annual Sampling	59	0
- Annual Sampling	0	11
Gauge Only	21	0
Inactive Status – Retain	47	4
Abandoned Wells	**122**	**272**
Total Monitoring Wells	*309*	*309*
Properties with Sampled Private Supply Wells	**28**	**4**
- Monthly PSW Sampling	2	1
- Quarterly PSW Sampling	11	3
- Semi-annual PSW Sampling	15	0

Following completion of the Phase 2 cycling assessment and the absence of any adverse changes in groundwater concentration trends, the proposed monitoring well and supply well monitoring plans presented in the Workplan have been reviewed, discussed with MDE and verified to be sufficient for post-remediation monitoring. For example, all monitoring wells which have had gasoline constituent concentrations above action level(s) within the last year are proposed for quarterly sampling. The one PSW which has had gasoline constituent (MTBE only) concentrations above the action level within the last year is proposed for monthly sampling. **Figure 2** presents the proposed post-remediation monitoring well network, which has been updated from the Workplan to differentiate wells which MDE has provided comments on either in the June 1, 2023 email, or during the June 27, 2023 working session, from those which MDE has not yet provided comment. The post-remediation monitoring plan will be finalized pending MDE's review and final response. Post-remediation monitoring results will be provided to the MDE in the quarterly Remedial Action Progress Reports according to the current schedule.

LIMITATIONS

Kleinfelder performed the services for this project under the Enabling Agreement with Procurement, a division of ExxonMobil Global Services Company (signed on November 28, 2012). Kleinfelder states that the services provided are consistent with professional of care defined as that level of services provided by similar professionals under like circumstances. This report is based on the regulatory standards in effect on the date of the report. It has been produced for the primary benefit of ExxonMobil Global Services Company and its affiliates.

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Please contact the undersigned with any questions or requests for additional information.

Sincerely,

KLEINFELDER

Leslie D. Steele
Principal Engineer

Mark J. Schaaf, C.P.G.
Project Director

cc: Mr. John Lee - ExxonMobil Environmental & Property Solutions Company (file)
Ms. Ellen Jackson - Maryland Department of the Environment
Ms. Susan Bull - Maryland Department of the Environment
Julie Kuspa - Office of the Attorney General
Carlos Bollar, Esq. - Archer & Greiner, P.C.

FIGURES

1 Phase 2 Cycling Assessment Plan
2 Proposed Post Remediation Monitoring Plan

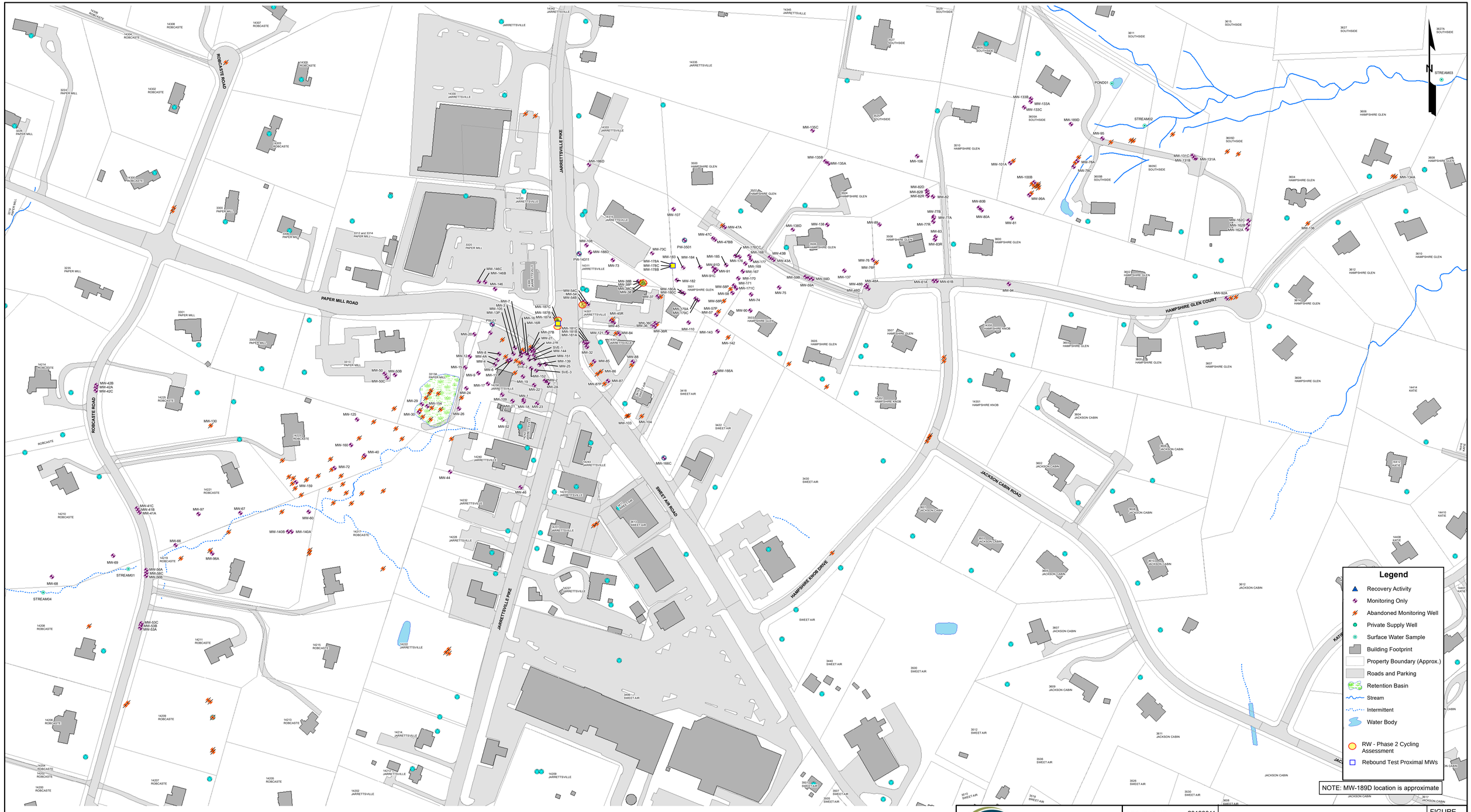
TABLES

1 Phase 2 Cycling Groundwater Analytical Data (4 years)
2 Phase 2 Cycling Groundwater Gauging Data (4 years)
3 Private Supply Well Analytical Data

ATTACHMENTS

1 MDE Correspondence
2 Laboratory Analytical Reports, Lancaster Laboratories
3 Well Trend Graphs
4 June 2018 Order of Resolution, Exhibits C, D & E

FIGURES



Legend

- Recovery Activity
- Monitoring Only
- Abandoned Monitoring Well
- Private Supply Well
- Surface Water Sample
- Building Footprint
- Property Boundary (Approx.)
- Roads and Parking
- Retention Basin
- Stream
- Intermittent
- Water Body
- RW - Phase 2 Cycling Assessment
- Rebound Test Proximal MWs

NOTE: MW-189D location is approximate

0 120 240 360 480 Feet

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PROJECT NO.	20193011
DRAWN:	10/11/2021
DRAWN BY:	R. Alvarez
CHECKED BY:	C. Low

PHASE 2 CYCLING ASSESSMENT

INACTIVE EXXON FACILITY #28077
14258 JARRETTSVILLE PIKE
PHOENIX, MARYLAND
BALTIMORE COUNTY

FIGURE
1

Legend

MDE Response

- MDE-REQUESTED - SAMPLE AND RETAIN
- MDE-REQUESTED SAMPLE FOR ABANDONMENT CONSIDERATION (CURRENTLY GWG-ONLY)
- MDE-REQUESTED SAMPLE FOR ABANDONMENT CONSIDERATION (CURRENTLY RETAIN)
- PROPOSED FOR SAMPLE QUARTERLY
- PROPOSED FOR SAMPLE ANNUAL
- PROPOSED TO RETAIN
- MDE APPROVED ABANDONMENT
- PROPOSED FOR ABANDONMENT - NO MDE RESPONSE

N

0 70 140 280 420 560 Feet

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PROJECT NO.	20193011
DRAWN:	7/21/2023
DRAWN BY:	CTH
CHECKED BY:	LS
FILE NAME:	

FIGURE 2
PROPOSED POST-REMEDIATION MONITORING WELLS WITH MDE COMMENTS AS OF JUNE 27, 2023

INACTIVE EXXON FACILITY #28077
14258 JARRETTSVILLE PIKE
PHOENIX, MARYLAND
BALTIMORE COUNTY

FIGURE **2**

TABLES

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-3	02/22/2019	44	RW grab sample	n/a	44	n/a	1	ND(1)	ND(1)	0.4 J	20	2	ND(25)	0.7 J	0.6 J	On	
	03/18/2019	44	RW grab sample	n/a	44	n/a	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(1)	ND(25)	ND(1)	ND(5)	On	
	06/24/2019	44	RW grab sample	n/a	44	n/a	ND(1)	ND(1)	ND(1)	86	0.6 J	ND(1)	ND(25)	3	110	On	
	09/27/2019	44	RW grab sample	n/a	44	n/a	40	1	2	55	130	13	74	110	150	On	
	12/12/2019	44	RW grab sample	n/a	44	n/a	11	0.5 J	0.8 J	11	63	6	40	3	12	On	
	12/13/2019	44	RW grab sample	n/a	44	n/a	34	2	3	54	180	14	100	44	73	On	
	03/02/2020	44	RW grab sample	n/a	44	n/a	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(3)	On	
	06/23/2020	44	RW grab sample	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.83 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	08/11/2020	44	RW grab sample	n/a	44	n/a	0.38 J	ND(1.0)	ND(1.0)	ND(1.0)	1.2	ND(5.0)	ND(50)	0.25 J	ND(6.0)	On	
	11/05/2020	44	RW grab sample	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/14/2021	44	RW grab sample	n/a	44	n/a	1.4	0.94 J	1.8	3.5	69	5.9	95	2.2	6.1	On	
	04/16/2021	44	RW grab sample	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	09/23/2021	44	RW grab sample	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	12/08/2021	44	RW grab sample	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.43 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	02/02/2022	44	RW grab sample	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	03/28/2022	44	3 Volume Purge/Grab	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.93 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	04/26/2022	44	3 Volume Purge/Grab	n/a	44	n/a	0.52 J	ND(1.0)	ND(1.0)	ND(1.0)	16	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/23/2022	44	3 Volume Purge/Grab	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/06/2022	44	RW grab sample	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	06/20/2022	44	3 Volume Purge/Grab	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.58 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/18/2022	44	3 Volume Purge/Grab	n/a	44	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	08/25/2022	44	3 Volume Purge/Grab	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/19/2022	44	3 Volume Purge/Grab	n/a	44	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	10/19/2022	44	3 Volume Purge/Grab	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.62 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/09/2022	44	3 Volume Purge/Grab	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	02/07/2023	44	3 Volume Purge/Grab	n/a	44	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-7	02/22/2019	n/a	n/a	3 Volume Purge/Grab	n/a	35	2	0.3 J	0.6 J	11	39	4	16 J	16	49		
	04/08/2019	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1)	ND(1)	ND(1)	0.5 J	3	0.4 J	ND(25)	0.5 J	5 J		
	09/05/2019	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1)	ND(1)	ND(1)	ND(1)	7	0.8 J	ND(25)	0.3 J	1 J		
	12/13/2019	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1)	ND(1)	ND(1)	ND(1)	5	0.4 J	ND(25)	ND(1)	ND(3)		
	03/02/2020	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(1)	ND(25)	ND(1)	ND(3)		
	06/23/2020	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/19/2020	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/18/2020	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	10/20/2020	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	01/19/2021	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/07/2021	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/08/2021	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	07/14/2021	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	08/19/2021	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/27/2021	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/08/2021	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	02/09/2022	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	NA	NA	ND(1.0)	ND(1.0)	NA	NA	ND(1.0)	ND(6.0)		
	03/28/2022	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/26/2022	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	6.9	0.25 J	ND(5.0)	ND(50)	ND(1.0)	5.9 J		
	05/23/2022	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/06/2022	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/20/2022	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/18/2022	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)		
	08/25/2022	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/19/2022	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.20 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	10/19/2022	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/15/2022	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/09/2022	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	03/21/2023	n/a	n/a	3 Volume Purge/Grab	n/a	35	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		

Kleinfelder
1745 Dorsey Road Suite J Hanover MD

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-16R	02/25/2019	55	RW grab sample	n/a	55	n/a	18	3	6	1 J	470	43	89	2	6	On	
	06/11/2019	55	RW grab sample	n/a	55	n/a	17	2	4	2	230	22	ND(25)	2	3 J	On	
	09/05/2019	55	RW grab sample	n/a	55	n/a	ND(1)	0.4 J	0.6 J	ND(1)	7	ND(1)	ND(25)	ND(1)	ND(5)	On	
	10/11/2019	55	RW grab sample	n/a	55	n/a	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)	On	
	11/05/2019	55	RW grab sample	n/a	55	n/a	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(1)	ND(25)	ND(1)	ND(3)	On	
	03/02/2020	55	RW grab sample	n/a	55	n/a	ND(1)	0.6 J	1	ND(1)	9	0.4 J	ND(25)	ND(1)	ND(3)	On	
	06/23/2020	55	RW grab sample	n/a	55	n/a	ND(1.0)	0.71 J	1.1	ND(1.0)	38	1.6 J	ND(50)	ND(1.0)	ND(6.0)	On	
	08/11/2020	55	RW grab sample	n/a	55	n/a	1.4	1.2	2.1	0.46 J	73	5.5	82	ND(1.0)	ND(6.0)	On	
	11/06/2020	55	RW grab sample	n/a	55	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/14/2021	55	RW grab sample	n/a	55	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) F1	2.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/16/2021	55	RW grab sample	n/a	55	n/a	0.42 J	0.98 J	1.4	ND(1.0)	42	ND(5.0)	20 J	ND(1.0)	ND(6.0)	On	
	09/23/2021	55	RW grab sample	n/a	55	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.63 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	12/07/2021	55	RW grab sample	n/a	55	n/a	ND(1.0)	ND(1.0)	0.29 J	ND(1.0)	3.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	02/02/2022	55	RW grab sample	n/a	55	n/a	0.66 J	0.25 J	0.37 J	ND(1.0)	3.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	3/28/2022	55	3 Volume Purge/Grab	n/a	55	n/a	ND(1.0)	0.38	0.60	ND(1.0)	6.7	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	4/26/2022	55	3 Volume Purge/Grab	n/a	55	n/a	0.63 J	0.28 J	ND(1.0)	ND(1.0)	12	ND(5.0)	46 J	ND(1.0)	ND(6.0)	Off	
	5/23/2022	55	3 Volume Purge/Grab	n/a	55	n/a	ND(1.0)	0.22 J	ND(1.0)	ND(1.0)	4.9	ND(5.0)	27 J	ND(1.0)	ND(6.0)	Off	
	6/7/2022	55	RW grab sample	n/a	55	n/a	ND(1.0)	0.59 J	1.1	ND(1.0)	13	ND(5.0)	67	ND(1.0)	ND(6.0)	On	
	6/20/2022	55	3 Volume Purge/Grab	n/a	55	n/a	ND(1.0)	0.35 J	0.54 J	ND(1.0)	6.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	7/18/2022	55	3 Volume Purge/Grab	n/a	55	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	8/25/2022	55	3 Volume Purge/Grab	n/a	55	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.22 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	9/19/2022	55	3 Volume Purge/Grab	n/a	55	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	16	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	10/19/2022	55	3 Volume Purge/Grab	n/a	55	n/a	0.35 J	ND(1.0)	ND(1.0)	ND(1.0)	35	1.2 J	ND(50)	ND(1.0)	ND(6.0)	Off	
	11/16/2022	55	3 Volume Purge/Grab	n/a	55	n/a	0.46 J	0.22 J	ND(1.0)	ND(1.0)	6.5	ND(5.0)	27 J	ND(1.0)	ND(6.0)	Off	
	12/5/2022	55	3 Volume Purge/Grab	n/a	55	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	8.7	ND(5.0)	23 J	ND(1.0)	ND(1.0)	Off	
	3/30/2023	55	3 Volume Purge/Grab	n/a	55	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	15	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
MW-38C [R]	01/09/2019	150	RW grab sample	n/a	150	n/a	0.5 J	2	6	ND(1)	120	9	160	ND(1)	ND(5)	On	
	02/28/2019	150	RW grab sample	n/a	150	n/a	ND(1)	2	6	ND(1)	100	5	ND(25)	ND(1)	ND(5)	On	
	03/19/2019	150	RW grab sample	n/a	150	n/a	0.4 J	1	5	ND(1)	100	5	370	ND(1)	ND(5)	On	
	04/09/2019	150	RW grab sample	n/a	150	n/a	ND(1)	0.8 J	3	ND(1)	69	3	ND(25)	ND(1)	ND(5)	On	
	06/25/2019	150	RW grab sample	n/a	150	n/a	ND(1)	0.2 J	0.9 J	ND(1)	10	0.5 J	ND(25)	ND(1)	ND(5)	On	
	07/30/2019	150	RW grab sample	n/a	150	n/a	ND(1)	ND(1)	0.5 J	ND(1)	6	ND(1)	ND(25)	ND(1)	ND(3)	On	
	10/18/2019	150	RW grab sample	n/a	150	n/a	ND(1)	ND(1)	0.6 J	ND(1)	0.9 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	02/19/2020	150	RW grab sample	n/a	150	n/a	ND(1)	ND(1)	0.6 J	ND(1)	0.5 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	06/23/2020	150	RW grab sample	n/a	150	n/a	ND(1.0)	0.44 J	2	ND(1.0)	44	2.0 J	67	ND(1.0)	ND(6.0)	On	
	08/12/2020	150	RW grab sample	n/a	150	n/a	ND(1.0)	0.74 J	3	ND(1.0)	110	5.4	79	ND(1.0)	ND(6.0)	On	
	11/03/2020	150	RW grab sample	n/a	150	n/a	ND(1.0)	0.53 J	2.3	ND(1.0)	59	2.7 J	ND(50)	ND(1.0)	ND(6.0)	On	
	01/15/2021	150	RW grab sample	n/a	150	n/a	ND(1.0)	0.90 J	3.3	ND(1.0)	88	4.1 J	ND(50)	ND(1.0)	ND(6.0)	On	
	04/14/2021	150	RW grab sample	n/a	150	n/a	ND(1.0)	0.61 J	2.5	ND(1.0)	52	1.8 J	ND(50)	ND(1.0)	ND(6.0)	On	
	09/22/2021	150	RW grab sample	n/a	150	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	12/30/2021	150	RW grab sample	n/a	150	n/a	ND(1.0)	ND(1.0)	0.31 J	ND(1.0)	5.1	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	02/24/2022	150	RW grab sample	n/a	150	n/a	ND(1.0)	0.24 J	1.2	ND(1.0)	1.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	03/29/2022	150	3 Volume Purge/Grab	n/a	150	n/a	ND(1.0)	0.97 J	3.6	ND(1.0)	8.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	subsequent rebound samples by HS (210 + 298)
	6/7/2022	150	RW grab sample	n/a	150	n/a	ND(1.0)	ND(1.0)	0.49 J	ND(1.0)	16	ND(5.0)	170	ND(1.0)	ND(6.0)	On	
	10/27/2022	150	RW grab sample	n/a	150	n/a	1.3	1.2	4.7	ND(1.0)	91	5.1	110	ND(1.0)	ND(6.0)	Off	
	11/17/2022	150	RW grab sample	n/a	150	n/a	0.95 J	1.2	4.9	ND(1.0)	96	5.1	80	ND(1.0)	ND(6.0)	Off	
	12/6/2022	150	RW grab sample	n/a	150	n/a	0.82 J	1.4	4.6	ND(1.0)	89	4.3 J	92	ND(1.0)	ND(1.0)	Off	
	1/10/2023	150	RW grab sample	n/a	150	n/a	1.1	1.4	5.5	ND(1.0)	110	5.6	100	ND(1.0)	ND(1.0)	Off	
	2/20/2023	150	RW grab sample	n/a	150	n/a	ND(1.0)	ND(1.0)	0.65 J	ND(1.0)	21	ND(5.0)	33 J	ND(1.0)	ND(1.0)	On	Phase 2 Cycling RW - ON
	3/20/2023	150	RW grab sample	n/a	150	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	16	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	Phase 2 Cycling RW - OFF
	4/24/2023	150	RW grab sample	n/a	150	n/a	ND(1.0)	ND(1.0)	0.35 J	ND(1.0)	16	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	Phase 2 Cycling RW - ON
	5/22/2023	150	RW grab sample	n/a	150	n/a	ND(1.0)	ND(1.0)	0.51 J	ND(1.0)	11	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	Phase 2 Cycling RW - OFF

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-38C(210)	06/13/2012	n/a	Hydrasleeve	n/a	216	n/a	40.6 J	30.8 J	107 J	ND(50)	9210	429	ND(1300)	37.8 J	ND(50)	Off	
	07/18/2012	n/a	Hydrasleeve	n/a	216	n/a	34.3	22.1 J	93.1	5.7 J	8790	406	183 J	20.3	7.3 J	Off	
	04/28/2022	n/a	Hydrasleeve	n/a	210	n/a	ND(1.0)	0.25 J	0.89 J	ND(1.0)	5.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/24/2022	n/a	Hydrasleeve	n/a	210	n/a	1.8	1.2	4.1	ND(1.0)	39	2.0 J	110	ND(1.0)	ND(6.0)	Off	
	06/22/2022	n/a	Hydrasleeve	n/a	210	n/a	ND(1.0)	0.53 J	2	ND(1.0)	41	2.2 J	59	ND(1.0)	ND(6.0)	Off	
	07/20/2022	n/a	Hydrasleeve	n/a	210	n/a	ND(1.0)	1.4	NA	ND(1.0)	87	4.1 J	100 cn	ND(1.0)	ND(6.0)	Off	
	08/26/2022	n/a	Hydrasleeve	n/a	210	n/a	0.88 J	0.69 J	2.5	ND(1.0)	51	ND(5.0)	85	ND(1.0)	ND(6.0)	Off	
	09/21/2022	n/a	Hydrasleeve	n/a	210	n/a	0.40 J	0.22 J	NA	ND(1.0)	19	ND(5.0)	14 J	ND(1.0)	ND(6.0)	Off	
MW-38C(298)	06/13/2012	n/a	Hydrasleeve	n/a	290.5	n/a	37.7 J	33 J	115 J	115 J	10400	477	ND(1300)	55.1	ND(50)	Off	
	07/18/2012	n/a	Hydrasleeve	n/a	290.5	n/a	16.3 J	26 J	116	116	12000	542	147 J	17.2 J	5.8 J	Off	
	04/28/2022	n/a	Hydrasleeve	n/a	298	n/a	ND(1.0)	ND(1.0)	0.39 J	ND(1.0)	4.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/24/2022	n/a	Hydrasleeve	n/a	298	n/a	ND(1.0)	ND(1.0)	0.60 J	ND(1.0)	8.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/22/2022	n/a	Hydrasleeve	n/a	298	n/a	ND(1.0)	0.31 J	1.1	ND(1.0)	25	1.3 J	30 J	ND(1.0)	ND(6.0)	Off	
	07/20/2022	n/a	Hydrasleeve	n/a	298	n/a	ND(1.0)	1.2	NA	ND(1.0)	79	4.1 J	95 cn	ND(1.0)	ND(6.0)	Off	
	08/26/2022	n/a	Hydrasleeve	n/a	298	n/a	0.39 J	0.47 J	1.7	ND(1.0)	36	ND(5.0)	46 J	ND(1.0)	ND(6.0)	Off	
	09/21/2022	n/a	Hydrasleeve	n/a	298	n/a	0.56 J	1.3	NA	ND(1.0)	87	4.8 J	98	ND(1.0)	ND(6.0)	Off	
MW-45	02/11/2019	68	RW grab sample	n/a	68	n/a	0.8 J	2	9	ND(1)	540	14	31	ND(1)	ND(5)	On	
	04/04/2019	RW grab sample	RW grab sample	n/a	68	n/a	ND(1)	2	7	ND(1)	350	10	20 J	ND(1)	ND(5)	On	
	05/22/2019	RW grab sample	RW grab sample	n/a	68	n/a	ND(1)	0.3 J	0.8 J	ND(1)	31	2	ND(25)	ND(1)	ND(5)	On	
	07/31/2019	RW grab sample	RW grab sample	n/a	68	n/a	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)	On	
	10/21/2019	RW grab sample	RW grab sample	n/a	68	n/a	ND(1)	2	6	ND(1)	190	6	ND(25)	ND(1)	ND(3)	On	
	11/05/2019	RW grab sample	RW grab sample	n/a	68	n/a	ND(1)	1	4	ND(1)	130	3	ND(25)	ND(1)	ND(3)	On	
	12/12/2019	RW grab sample	RW grab sample	n/a	68	n/a	ND(1)	1	4	ND(1)	160	5	ND(25)	ND(1)	ND(3)	On	
	01/27/2020	RW grab sample	RW grab sample	n/a	68	n/a	ND(1)	1	4	ND(1)	160	5	ND(25)	ND(1)	ND(3)	On	
	03/10/2020	RW grab sample	RW grab sample	n/a	68	n/a	ND(1)	0.7 J	2	ND(1)	30	2	ND(25)	ND(1)	ND(3)	On	
	04/15/2020	RW grab sample	RW grab sample	n/a	68	n/a	ND(1)	0.6 J	2	ND(1)	17	1 J	ND(25)	ND(1)	ND(3)	On	
	09/09/2020	RW grab sample	RW grab sample	n/a	68	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.48 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/16/2020	RW grab sample	RW grab sample	n/a	68	n/a	ND(1.0)	0.52 J	1.7	ND(1.0)	37	1.1 J	ND(50)	ND(1.0)	ND(6.0)	On	
	01/15/2021	RW grab sample	RW grab sample	n/a	68	n/a	ND(1.0)	0.80 J	2.5	ND(1.0)	49 F1	1.4 J	ND(50)	ND(1.0)	ND(6.0)	On	
	04/22/2021	RW grab sample	RW grab sample	n/a	68	n/a	ND(1.0)	0.83 J	2	ND(1.0)	39	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	09/22/2021	RW grab sample	RW grab sample	n/a	68	n/a	ND(1.0)	ND(1.0)	0.44 J	ND(1.0)	5	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	12/30/2021	RW grab sample	RW grab sample	n/a	68	n/a	ND(1.0)	0.71 J	2	ND(1.0)	25	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	03/11/2022	RW grab sample	RW grab sample	n/a	68	n/a	ND(1.0)	0.76 J	2.2	ND(1.0)	26	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	03/29/2022	68	3 Volume Purge/Grab	n/a	68	n/a	ND(1.0)	0.40 J	0.90 J	ND(1.0)	1.9	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	4/28/2022	68	3 Volume Purge/Grab	n/a	68	n/a	ND(1.0)	0.83 J	2.1	ND(1.0)	2.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	5/24/2022	68	3 Volume Purge/Grab	n/a	68	n/a	ND(1.0)	0.48 J	1.4	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	6/8/2022	68	RW grab sample	n/a	68	n/a	ND(1.0)	0.64 J	1.8	ND(1.0)	18	ND(5.0)	18 J	ND(1.0)	ND(6.0)	On	
	6/21/2022	68	3 Volume Purge/Grab	n/a	68	n/a	ND(1.0)	0.52 J	1.4	ND(1.0)	0.94 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	7/20/2022	68	3 Volume Purge/Grab	n/a	68	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.43 J cn	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	8/25/2022	68	3 Volume Purge/Grab	n/a	68	n/a	ND(1.0)	0.37 J	1	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	9/20/2022	68	3 Volume Purge/Grab	n/a	68	n/a	ND(1.0)	0.89 J	NA	ND(1.0)	1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/9/2022	68	3 Volume Purge/Grab	n/a	68	n/a	ND(1.0)	ND(1.0)	0.77 J	ND(1.0)	8.2	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	3/3/2023	68	3 Volume Purge/Grab	n/a	68	n/a	ND(1.0)	ND(1.0)	0.62 J	ND(1.0)	10	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
MW-45R	02/11/2019	85	RW grab sample	n/a	85	n/a	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)	On	
	04/05/2019	85	RW grab sample	n/a	85	n/a	0.5 J	2	7	ND(1)	330	9	18 J	ND(1)	ND(5)	On	
	05/21/2019	85	RW grab sample	n/a	85	n/a	ND(1)	ND(1)	0.5 J	ND(1)	13	0.4 J	ND(25)	ND(1)	ND(5)	On	
	07/31/2019	85	RW grab sample	n/a	85	n/a	ND(1)	1	4	ND(1)	250	5	11 J	ND(1)	ND(3)	On	
	11/05/2019	85	RW grab sample	n/a	85	n/a	ND(1)	ND(1)	ND(1)	ND(1)	0.2 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	12/12/2019	85	RW grab sample	n/a	85	n/a	ND(1)	ND(1)	ND(1)	ND(1)	0.4 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	03/10/2020	85	RW grab sample	n/a	85	n/a	ND(1)	0.6 J	2	ND(1)	28	2	ND(25)	ND(1)	ND(3)	On	
	06/23/2020	85	RW grab sample	n/a	85	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	09/09/2020	85	RW grab sample	n/a	85	n/a	ND(1.0)	1	3.2	ND(1.0)	86	2.5 J	ND(50)	ND(1.0)	ND(6.0)	On	
	11/16/2020	85	RW grab sample	n/a	85	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/15/2021	85	RW grab sample	n/a	85	n/a	ND(1.0)	0.86 J	2.4	ND(1.0)	48	1.5 J	ND(50)	ND(1.0)	ND(6.0)	On	
	04/22/2021	85	RW grab sample	n/a	85	n/a	ND(1.0)	0.85 J	2.4	ND(1.0)	44	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	09/22/2021	85	RW grab sample	n/a	85	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	7.3	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	12/30/2021	85	RW grab sample	n/a	85	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	5.3	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	

Kleinfelder
1745 Dorsey Road Suite J Hanover MD

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-45R	03/14/2022	85	RW grab sample	n/a	85	n/a	0.38 J	0.51 J	0.75 J	ND(1.0)	84	5.2	ND(50)	ND(1.0)	ND(6.0)	On	
	03/30/2022	85	3 Volume Purge/Grab	n/a	85	n/a	ND(1.0)	ND(1.0)	0.26 J	ND(1.0)	27	0.86 J	ND(50)	ND(1.0)	ND(6.0)	Off	
	04/28/2022	85	3 Volume Purge/Grab	n/a	85	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/24/2022	85	3 Volume Purge/Grab	n/a	85	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.24 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/08/2022	85	RW grab sample	n/a	85	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.37 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	06/21/2022	85	3 Volume Purge/Grab	n/a	85	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	11	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	85	3 Volume Purge/Grab	n/a	85	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	1.1 cn	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/25/2022	85	3 Volume Purge/Grab	n/a	85	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	85	3 Volume Purge/Grab	n/a	85	n/a	ND(1.0)	0.25 J	NA	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/9/2022	85	3 Volume Purge/Grab	n/a	85	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	3/3/2023	85	3 Volume Purge/Grab	n/a	85	n/a	ND(1.0)	0.45 J	1.6	ND(1.0)	25	0.97 J	ND(50)	ND(1.0)	ND(1.0)		
MW-54B [R]	01/16/2019	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1)	2	5	ND(1)	110	8	73	ND(1)	ND(5)	On	
	02/11/2019	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1)	1	4	ND(1)	67	5	28	ND(1)	ND(5)	On	
	02/19/2019	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1)	1	4	ND(1)	70	5	26	ND(1)	ND(5)	On	
	03/19/2019	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1)	1	4	ND(1)	32	2	10 J	ND(1)	ND(5)	On	
	04/11/2019	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1)	1	4	ND(1)	19	0.7 J	14 J	ND(1)	ND(5)	On	
	07/31/2019	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1)	0.6 J	2	ND(1)	7	ND(1)	ND(25)	ND(1)	ND(3)	On	
	10/21/2019	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1)	0.4 J	2	ND(1)	9	ND(1)	ND(25)	ND(1)	ND(3)	On	
	11/05/2019	n/a	n/a	3 Volume Purge/Grab	n/a		ND(5)	ND(5)	3 J	ND(5)	8	ND(5)	ND(130)	ND(5)	ND(15)	On	
	03/09/2020	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1)	0.4 J	2	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)	On	
	06/23/2020	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1.0)	ND(1.0)	0.37 J	ND(1.0)	0.43 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	09/09/2020	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1.0)	1.8	5.3	ND(1.0)	3.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/16/2020	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1.0)	ND(1.0)	0.97 J	ND(1.0)	2.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/15/2021	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1.0)	1.2	3	ND(1.0)	1.8	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/14/2021	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1.0)	1.2	3.2	ND(1.0)	2.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	07/14/2021	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1.0)	1.3	3.5	ND(1.0)	4.3	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	08/19/2021	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/27/2021	n/a	n/a	3 Volume Purge/Grab	n/a		0.75 J	0.95 J	2.4	ND(1.0)	2.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/30/2021	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	03/11/2022	n/a	n/a	3 Volume Purge/Grab	n/a		1.4	0.83 J	1.9	ND(1.0)	17	1.6 J	19 J	ND(1.0)	ND(6.0)	Off	
	06/23/2022	n/a	n/a	3 Volume Purge/Grab	n/a		73	7.1	18	1.9	530	67	510	3.6	27	Off	
	08/08/2022	n/a	n/a	3 Volume Purge/Grab	n/a		ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	n/a	n/a	3 Volume Purge/Grab	n/a		16	2.5	NA	ND(1.0)	160	19	130	0.68 J	5.1 J	Off	
	10/27/2022	n/a	n/a	3 Volume Purge/Grab	n/a		27	3.1	8.2	0.71 J	270	30	220	1.3	8.8	Off	
	11/17/2022	n/a	n/a	3 Volume Purge/Grab	n/a		52	5.2	14	1.6	410	45	380	2	13	Off	
	12/06/2022	n/a	n/a	3 Volume Purge/Grab	n/a		31	5	12	1.1	290	35	340	1.2	4.9	Off	
	01/09/2023	n/a	n/a		n/a		7.3	2.1	7.1	ND(1.0)	300	20	850	ND(1.0)	ND(1.0)		
	02/20/2023	n/a	n/a	RW grab sample	n/a		ND(1.0)	2.8	11	ND(1.0)	150	13	1000	ND(1.0)	ND(1.0)	On	Phase 2 Cycling RW - ON
	03/20/2023	n/a	n/a	RW grab sample	n/a		ND(1.0)	2.3	8.4	ND(1.0)	120	8.6	650	ND(1.0)	ND(1.0)	Off	Phase 2 Cycling RW - OFF
	04/24/2023	n/a	n/a	RW grab sample	n/a		ND(1.0)	1.1	5.5	ND(1.0)	73	4.9 J	420	ND(1.0)	ND(1.0)	On	Phase 2 Cycling RW - ON
	05/22/2023	n/a	n/a	RW grab sample	n/a		1.1	4	12	ND(1.0)	130	12	580	ND(1.0)	ND(1.0)	Off	Phase 2 Cycling RW - OFF
MW-54C Proximal Well	03/29/2022	n/a	n/a	3 Volume Purge/Grab	n/a	150	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.32 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		subsequent rebound samples by HS (210 + 298)
	11/17/22	n/a	n/a	3 Volume Purge/Grab	n/a	150	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/06/22	n/a	n/a	3 Volume Purge/Grab	n/a	150	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-54C(210) Proximal Well	05/15/2012	n/a	n/a	Hydrasleeve	n/a	206	3640	630 J	2490	553	192,000	12400	2060 J	8370	2440		
	07/18/2012	n/a	n/a	Hydrasleeve	n/a	206	3240	571 J	2310 J	438 J	155,000	11100	ND(13000)	7260	1910		
	06/26/2019	n/a	n/a	hydrasleeve	n/a	212.5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	07/18/2019	n/a	n/a	hydrasleeve	n/a	212.5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	11/25/2019	n/a	n/a	hydrasleeve	n/a	212.5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	0.3 J	ND(3)		
	03/09/2020	n/a	n/a	hydrasleeve	n/a	212.5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	09/09/2020	n/a	n/a	hydrasleeve	n/a	212.5	23	32	130	3.9	5.3	ND(5.0)	7800	2.4	3.0 J		
	02/12/2021	n/a	n/a	hydrasleeve	n/a	212.5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/07/2021	n/a	n/a	hydrasleeve	n/a	212.5	26	30	110	4.1	75	10	7500	1.3	4.9		

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-54C(210) Proximal Well	03/17/2022	n/a	n/a	3 Volume Purge/Grab	n/a	212.5	23	37	140	2.5	89	7.7	9000	0.52 J	3.3 J		subsequent rebound samples by HS (210 + 298)
	04/28/2022	n/a	n/a	Hydrasleeve	n/a	210	26	36	140	3.1	75	6.3	7700	1.6	3.7 J		
	05/26/2022	n/a	n/a	Hydrasleeve	n/a	210	23	32	120	3.2	75	6.3	7600	1	2.9 J		
	06/07/2022	n/a	n/a	Hydrasleeve	n/a	210	21	29	110	2.5 J	63	ND(25)	8400	ND(5.0)	ND(30)		
	06/21/2022	n/a	n/a	Hydrasleeve	n/a	210	14	19	72	ND(5.0)	42	4.0 J	4200	ND(5.0)	ND(30)		
	07/20/2022	n/a	n/a	Hydrasleeve	n/a	210	12	16	NA	1.6	37	ND(5.0)	4700	0.96 J	1.6 J		
	8/29/2022	n/a	n/a	hydrasleeve	n/a	210	8.3	7.3	NA	ND(1.0)	17	1.5 J	7100	ND(1.0)	ND(6.0)		
	9/19/2022	n/a	n/a	hydrasleeve	n/a	210	15	22	NA	1.4	32	3.0 J	5700	0.60 J	1.7 J		
	12/21/2022	n/a	n/a	hydrasleeve	n/a	210	25	37	150	1.7	65	7.1	7900	0.46 J	2.1		
	2/20/2023	n/a	n/a	hydrasleeve	n/a	210	22	28	120	1.1	52	6.2	8000	0.37 J	ND(1.0)		Proximal well - monthly sampling
	3/20/2023	n/a	n/a	hydrasleeve	n/a	210	23	29	120	ND(5.0)	59	8.3 J	9000	ND(5.0)	ND(5.0)		Proximal well - monthly sampling
	4/24/2023	n/a	n/a	hydrasleeve	n/a	210	26	36	130	ND(5.0)	59	6.3 J	8600	ND(5.0)	ND(5.0)		Proximal well - monthly sampling
	5/22/2023	n/a	n/a	hydrasleeve	n/a	210	18	25	94	ND(5.0)	40	5.1 J	6300	ND(5.0)	ND(5.0)		Proximal well - monthly sampling
MW-54C(298) Proximal Well	5/15/2012	n/a	n/a	Hydrasleeve	n/a	298	3,390	532 J	2250	545	165,000	11800	1110 J	8040	2340		
	7/18/2012	n/a	n/a	Hydrasleeve	n/a	298	3,080	569 J	2180 J	381 J	141,000	10700	ND(13000)	6720	1550		
	04/28/2022	n/a	n/a	Hydrasleeve	n/a	298	40	34	130	ND(1.0)	120	11	7800	ND(1.0)	2.2 J		
	05/26/2022	n/a	n/a	Hydrasleeve	n/a	298	29	24	93	ND(1.0)	86	7.1	6300	ND(1.0)	1.6 J		
	06/07/2022	n/a	n/a	Hydrasleeve	n/a	298	5.2	3.0 J	11	ND(5.0)	9.3	ND(25)	720	ND(5.0)	ND(30)		
	06/21/2022	n/a	n/a	Hydrasleeve	n/a	298	26	23	91	ND(5.0)	77	7.1 J	6900	ND(5.0)	ND(30)		
	07/20/2022	n/a	n/a	Hydrasleeve	n/a	298	5.3	4.7	NA	ND(1.0)	12	ND(5.0)	1300	ND(1.0)	ND(6.0)		
	8/29/2022	n/a	n/a	hydrasleeve	n/a	298	7.9	6.9	NA	ND(1.0)	17	ND(5.0)	7200	ND(1.0)	ND(6.0)		
	9/19/2022	n/a	n/a	hydrasleeve	n/a	298	17	21	NA	1.6	22	2.8 J	2800	0.47 J	1.7 J		
	12/21/2022	n/a	n/a	hydrasleeve	n/a	298	27	23	95	ND(1.0)	58	6	6500	ND(1.0)	ND(1.0)		
	2/20/2023	n/a	n/a	hydrasleeve	n/a	298	24	18	72	ND(1.0)	40	4.8 J	2700	ND(1.0)	ND(1.0)		Proximal well - monthly sampling
	3/20/2023	n/a	n/a	hydrasleeve	n/a	298	31	24	100	ND(1.0)	72	8.1	4600	ND(1.0)	ND(1.0)		Proximal well - monthly sampling
	4/24/2023	n/a	n/a	hydrasleeve	n/a	298	31	26	100	ND(1.0)	66	6.5	8600	ND(1.0)	ND(1.0)		Proximal well - monthly sampling
	5/22/2023	n/a	n/a	hydrasleeve	n/a	298	21	17	65	ND(1.0)	39	5.9	4800	ND(1.0)	ND(1.0)		Proximal well - monthly sampling
MW-54C(HS-D) Proximal Well	01/17/2019	n/a	n/a	hydrasleeve	n/a	298	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	02/22/2019	n/a	n/a	hydrasleeve	n/a	298	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	03/19/2019	n/a	n/a	hydrasleeve	n/a	298	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		subsequent rebound samples by HS (210 + 298)
MW-54C(HS-S) Proximal Well	01/17/2019	n/a	n/a	hydrasleeve	n/a	210	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	02/22/2019	n/a	n/a	hydrasleeve	n/a	210	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	03/19/2019	n/a	n/a	hydrasleeve	n/a	210	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		subsequent rebound samples by HS (210 + 298)
MW-73C	4/10/2019	150	RW grab sample	n/a	150	n/a	8	1	5	ND(1)	190	10	190	ND(1)	ND(5)		
	4/19/2019	150	RW grab sample	n/a	150	n/a	ND(1)	ND(1)	ND(1)	ND(1)	0.3 J	ND(1)	ND(25)	ND(1)	ND(5)		
	05/21/2019	150	RW grab sample	n/a	150	n/a	ND(1)	1	4	ND(1)	86	5	300	ND(1)	ND(5)	On	
	07/29/2019	150	RW grab sample	n/a	150	n/a	ND(1)	1	5	ND(1)	0.6 J	ND(1)	ND(25)	ND(1)	ND(5)	On	
	08/15/2019	150	RW grab sample	n/a	150	n/a	ND(1)	NA	NA	ND(1)	1	NA	NA	ND(1)	ND(3)	On	
	09/06/2019	150	RW grab sample	n/a	150	n/a	ND(1)	2	9	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(5)	On	
	11/05/2019	150	RW grab sample	n/a	150	n/a	ND(1)	3	11	ND(1)	7	ND(1)	ND(25)	ND(1)	ND(3)	On	
	12/20/2019	150	RW grab sample	n/a	150	n/a	3	5	16	0.3 J	260	15	740	ND(1)	ND(3)	On	
	03/30/2020	150	RW grab sample	n/a	150	n/a	ND(1)	3	12	ND(1)	110	7	600	ND(1)	ND(3)	On	
	06/16/2020	150	RW grab sample	n/a	150	n/a	ND(1.0)	3.2	12	ND(1.0)	52	1.6 J	ND(50)	ND(1.0)	ND(6.0)	On	
	06/22/2020	150	RW grab sample	n/a	150	n/a	ND(1.0)	3.1	12	ND(1.0)	28	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	09/10/2020	150	RW grab sample	n/a	150	n/a	ND(1.0)	2.2	7.9	ND(1.0)	0.80 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/03/2020	150	RW grab sample	n/a	150	n/a	ND(1.0)	ND(1.0)	0.60 J	ND(1.0)	2.7	ND(5.0)	13 J	ND(1.0)	ND(6.0)	On	
	11/16/2020	150	RW grab sample	n/a	150	n/a	ND(1.0)	ND(1.0)	0.39 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/22/2021	150	RW grab sample	n/a	150	n/a	ND(1.0)	0.33 J	1.4	ND(1.0)	1.7	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	07/29/2021	150	RW grab sample	n/a	150	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-73C	12/30/2021	150	RW grab sample	n/a	150	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	02/11/2022	150	RW grab sample	n/a	150	n/a	ND(1.0)	NA	NA	ND(1.0)	1.7	NA	NA	ND(1.0)	ND(6.0)	On	
	03/29/2022	150	3 Volume Purge/Grab	n/a	150	n/a	ND(1.0)	ND(1.0)	0.38 J	ND(1.0)	3.7	ND(5.0)	15 J	ND(1.0)	ND(6.0)	Off	subsequent rebound samples by HS (210 + 298)
	6/6/2022	150	RW grab sample	n/a	150	n/a	ND(1.0)	ND(1.0)	0.80 J	ND(1.0)	1.7	ND(5.0)	85	ND(1.0)	ND(6.0)	On	
	3/3/2023	150		n/a	150	n/a	ND(1.0)	ND(1.0)	0.84 J	ND(1.0)	4.5	ND(5.0)	18 J	ND(1.0)	ND(1.0)		
MW-73C (210)	04/28/2022	150	Hydrasleeve	n/a	210	n/a	0.31 J	0.65 J	1.9	ND(1.0)	14	ND(5.0)	75	ND(1.0)	ND(6.0)	Off	
	05/24/2022	150	Hydrasleeve	n/a	210	n/a	ND(1.0)	0.30 J	0.66 J	ND(1.0)	6.2	ND(5.0)	28 J	ND(1.0)	ND(6.0)	Off	
	06/22/2022	150	Hydrasleeve	n/a	210	n/a	ND(1.0)	0.34 J	1	ND(1.0)	5.7	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	150	Hydrasleeve	n/a	210	n/a	ND(1.0)	0.42 J	NA	ND(1.0)	6.3	ND(5.0)	38 J cn	ND(1.0)	ND(6.0)	Off	
	08/26/2022	150	Hydrasleeve	n/a	210	n/a	ND(1.0)	0.41 J	1.3	ND(1.0)	6.6	ND(5.0)	40 J	ND(1.0)	ND(6.0)	Off	
	09/21/2022	150	Hydrasleeve	n/a	210	n/a	ND(1.0)	0.58 J	NA	ND(1.0)	8.5	ND(5.0)	43 J	ND(1.0)	ND(6.0)	Off	
	10/20/2022	150	Hydrasleeve	n/a	212	n/a	ND(1.0)	0.24 J	0.89 J	ND(1.0)	4.5	ND(5.0)	19 J	ND(1.0)	ND(6.0)	Off	
	12/09/2022	150	Hydrasleeve	n/a	210	n/a	ND(1.0)	0.30 J	0.95 J	ND(1.0)	5.1	ND(5.0)	21 J	ND(1.0)	ND(1.0)	Off	
MW-73C (298)	04/28/2022	150	Hydrasleeve	n/a	298	n/a	0.30 J	0.66 J	2	ND(1.0)	15	ND(5.0)	79	ND(1.0)	ND(6.0)	Off	
	05/24/2022	150	Hydrasleeve	n/a	298	n/a	ND(1.0)	0.35 J	1	ND(1.0)	8.5	ND(5.0)	37 J	ND(1.0)	ND(6.0)	Off	
	06/22/2022	150	Hydrasleeve	n/a	298	n/a	ND(1.0)	0.36 J	1	ND(1.0)	5.7	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	150	Hydrasleeve	n/a	298	n/a	ND(1.0)	0.37 J	NA	ND(1.0)	5.4	ND(5.0)	29 J cn	ND(1.0)	ND(6.0)	Off	
	08/26/2022	150	Hydrasleeve	n/a	298	n/a	ND(1.0)	0.50 J	1.4	ND(1.0)	6.9	ND(5.0)	44 J	ND(1.0)	ND(6.0)	Off	
	09/21/2022	150	Hydrasleeve	n/a	298	n/a	ND(1.0)	0.57 J	NA	ND(1.0)	8.1	ND(5.0)	43 J	ND(1.0)	ND(6.0)	Off	
	12/09/2022	150	Hydrasleeve	n/a	298	n/a	ND(1.0)	0.34 J	1.1	ND(1.0)	6.1	ND(5.0)	27 J	ND(1.0)	ND(1.0)	Off	
MW-82D	08/15/2019	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1)	NA	NA	ND(1)	6	NA	NA	ND(1)	ND(3)	On	
	09/06/2019	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1)	ND(1)	0.3 J	ND(1)	15	0.5 J	ND(25)	ND(1)	ND(5)	On	
	10/14/2019	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1)	ND(1)	ND(1)	ND(1)	10	ND(1)	ND(25)	ND(1)	ND(3)	On	
	11/05/2019	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1)	ND(1)	0.3 J	ND(1)	8	ND(1)	ND(25)	ND(1)	ND(3)	On	
	01/14/2020	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1)	ND(1)	0.4 J	ND(1)	10	ND(1)	ND(25)	ND(1)	ND(3)	On	
	04/17/2020	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1)	ND(1)	ND(1)	ND(1)	17	ND(1)	ND(25)	ND(1)	ND(3)	On	
	08/12/2020	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/04/2020	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/18/2021	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.98 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/15/2021	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.85 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	08/19/2021	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/27/2021	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/15/2021	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	02/21/2022	n/a	n/a	3 Volume Purge/Grab	n/a	300	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	03/29/2022	n/a	n/a	3 Volume Purge/Grab	n/a	250	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	subsequent rebound samples by HS (250 + 378)
	11/01/22	n/a	n/a	3 Volume Purge/Grab	n/a	250	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/16/22	n/a	n/a	3 Volume Purge/Grab	n/a	250	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/06/22	n/a	n/a	3 Volume Purge/Grab	n/a	250	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	03/03/23	n/a	n/a	3 Volume Purge/Grab	n/a	250	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-82D(250)	04/28/2022	n/a	n/a	Hydrasleeve	n/a	250	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	n/a	n/a	Hydrasleeve	n/a	250	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.32 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/07/2022	n/a	n/a	Hydrasleeve	n/a	250	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/21/2022	n/a	n/a	Hydrasleeve	n/a	250	ND(1.0)	ND(1.0)	0.35 J	ND(1.0)	8.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/20/2022	n/a	n/a	Hydrasleeve	n/a	250	ND(1.0)	ND(1.0)	NA	ND(1.0)	1.5 cn	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	8/30/2022	n/a	n/a	Hydrasleeve	n/a	250	ND(1.0)	ND(1.0)	NA	ND(1.0)	5.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-82D(378)	04/28/2022	n/a	n/a	Hydrasleeve	n/a	378	ND(1.0)	ND(1.0)	0.30 J	ND(1.0)	2.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	n/a	n/a	Hydrasleeve	n/a	378	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/07/2022	n/a	n/a	Hydrasleeve	n/a	378	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.7	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/21/2022	n/a	n/a	Hydrasleeve	n/a	378	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) F1	3.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0) F1		
	07/20/2022	n/a	n/a	Hydrasleeve	n/a	378	ND(1.0)	ND(1.0)	NA	ND(1.0)	3.8 cn	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	8/30/2022	n/a	n/a	Hydrasleeve	n/a	378	ND(1.0)	ND(1.0)	NA	ND(1.0)	2.8	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-82D(HS-S)	01/22/2019	n/a	n/a	Hydrasleeve	n/a	250	ND(1)	ND(1)	ND(1)	ND(1)	8	0.4 J	ND(25)	ND(1)	ND(5)		
	02/25/2019	n/a	n/a	Hydrasleeve	n/a	250	ND(1)	0.2 J	0.6 J	ND(1)	40	3	ND(25)	ND(1)	ND(5)		

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-82D(HS-S)	03/14/2019	n/a	n/a	Hydrasleeve	n/a	250	ND(1)	ND(1)	ND(1)	ND(1)	6	ND(1)	ND(25)	ND(1)	ND(5)		
	07/14/2021	n/a	n/a	Hydrasleeve	n/a	250	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	8/30/2022	n/a	n/a	Hydrasleeve	n/a	250	ND(1.0)	ND(1.0)	NA	ND(1.0)	5.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	9/20/2022	n/a	n/a	Hydrasleeve	n/a	250	ND(1.0)	ND(1.0)	NA	ND(1.0)	14	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-82D(HS-M)	01/22/2019	n/a	n/a	Hydrasleeve	n/a	314	ND(1)	ND(1)	ND(1)	ND(1)	7	0.4 J	ND(25)	ND(1)	ND(5)		
	02/25/2019	n/a	n/a	Hydrasleeve	n/a	314	0.4 J	0.3 J	1 J	ND(1)	83	6	ND(25)	ND(1)	ND(5)		
	03/14/2019	n/a	n/a	Hydrasleeve	n/a	314	ND(1)	ND(1)	ND(1)	ND(1)	6	ND(1)	ND(25)	ND(1)	ND(5)		
	07/14/2021	n/a	n/a	Hydrasleeve	n/a	314	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-82D(HS-D)	01/22/2019	n/a	n/a	Hydrasleeve	n/a	378	ND(1)	ND(1)	ND(1)	ND(1)	7	0.4 J	ND(25)	ND(1)	ND(5)		
	02/25/2019	n/a	n/a	Hydrasleeve	n/a	378	0.5 J	0.3 J	1	ND(1)	110	8	ND(25)	ND(1)	ND(5)		
	03/14/2019	n/a	n/a	Hydrasleeve	n/a	378	ND(1)	ND(1)	ND(1)	ND(1)	6	ND(1)	ND(25)	ND(1)	ND(5)		
	07/14/2021	n/a	n/a	Hydrasleeve	n/a	378	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	8/30/2022	n/a	n/a	Hydrasleeve	n/a	378	ND(1.0)	ND(1.0)	NA	ND(1.0)	2.8	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	9/20/2022	n/a	n/a	Hydrasleeve	n/a	378	ND(1.0)	ND(1.0)	NA	ND(1.0)	4.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-91C	01/08/2019	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	1	4	ND(1)	10	0.4 J	ND(25)	ND(1)	ND(5)		
	02/22/2019	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	2	6	ND(1)	16	0.8 J	44	ND(1)	ND(5)		
	03/13/2019	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	2	7	ND(1)	16	0.7 J	48	ND(1)	ND(5)		
	05/21/2019	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	1	5	ND(1)	7	ND(1)	ND(25)	ND(1)	ND(5)		
	07/05/2019	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	07/26/2019	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	0.9 J	2	ND(1)	16	0.3 J	ND(25)	ND(1)	ND(5)		
	08/16/2019	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	0.2 J	0.6 J	ND(1)	4	ND(1)	ND(25)	ND(1)	ND(5)		
	10/23/2019	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	ND(1)	0.4 J	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(3)		
	11/04/2019	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	12/09/2019	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	03/30/2020	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/21/2020	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/22/2020	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/23/2020	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/24/2020	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/27/2020	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	07/30/2020	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/24/2020	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	10/15/2020	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.33 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	02/15/2021	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/08/2021	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/29/2021	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	12/13/2021	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	0.40 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	03/11/2022	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	03/28/2022	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.27 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/28/2022	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.25 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.48 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/06/2022	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.52 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/20/2022	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.43 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/19/2022	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.47 J	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)		
	08/25/2022	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.40 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/20/2022	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.53 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	10/20/2022	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.46 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/16/2022	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0) F1	ND(1.0)	ND(1.0)	ND(1.0)	0.47 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/06/2022	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.52 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	03/27/2023	n/a	n/a	3 Volume Purge/Grab	n/a	189	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-121	02/22/2019	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1)	0.4 J	0.9 J	ND(1)	45	2	ND(25)	ND(1)	ND(5)		
	03/04/2019	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1)	0.5 J	1	ND(1)	79	3	ND(25)	ND(1)	ND(5)		
	05/21/2019	n/a	n/a	3 Volume Purge/Grab	n/a	48	0.4 J	ND(1)	ND(1)	ND(1)	0.4 J	ND(1)	ND(25)	ND(1)	ND(5)		
	07/30/2019	n/a	n/a	3 Volume Purge/Grab	n/a	48	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	10/17/2019	n/a	n/a	3 Volume Purge/Grab	n/a	48	0.4 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	03/09/2020	n/a	n/a	3 Volume Purge/Grab	n/a	48	0.7 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	06/23/2020	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	0.31 J	ND(6.0)		
	08/27/2020	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/22/2020	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	10/15/2020	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/03/2020	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	01/25/2021	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	0.21 J	ND(1.0)	12	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/14/2021	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/14/2021	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	08/19/2021	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.96 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/27/2021	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/14/2021	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	02/21/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	03/29/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/28/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/27/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/07/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/20/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/20/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0) cn	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/25/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/20/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/01/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/16/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/09/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	03/30/2023	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-138D	04/11/2019	170	RW grab sample	n/a	170	n/a	4	0.9 J	3	0.2 J	270	19	ND(25)	0.5 J	0.7 J	On	
	05/08/2019	170	RW grab sample	n/a	170	n/a	4	1	5	0.8 J	420	28	ND(25)	0.6 J	3 J	On	
	06/26/2019	170	RW grab sample	n/a	170	n/a	0.7 J	2	5	ND(1)	410	27	ND(25)	ND(1)	ND(5)	On	
	09/12/2019	170	RW grab sample	n/a	170	n/a	ND(1)	1	4	ND(1)	320	24	ND(25)	ND(1)	ND(3)	On	
	10/09/2019	170	RW grab sample	n/a	170	n/a	ND(1)	1	4	ND(1)	390	26	ND(25)	ND(1)	ND(3)	On	
	11/04/2019	170	RW grab sample	n/a	170	n/a	ND(1)	1	4	ND(1)	340	19	ND(25)	ND(1)	ND(3)	On	
	12/06/2019	170	RW grab sample	n/a	170	n/a	ND(1)	1	4	ND(1)	340	20	ND(25)	ND(1)	ND(3)	On	
	12/20/2019	170	RW grab sample	n/a	170	n/a	ND(1)	1	4	ND(1)	310	18	ND(25)	ND(1)	ND(3)	On	
	01/03/2020	170	RW grab sample	n/a	170	n/a	ND(1)	1	4	ND(1)	290	15	ND(25)	ND(1)	ND(3)	On	
	01/10/2020	170	RW grab sample	n/a	170	n/a	ND(1)	1	4	ND(1)	250	13	ND(25)	ND(1)	ND(3)	On	
	02/14/2020	170	RW grab sample	n/a	170	n/a	ND(1)	1	4	ND(1)	240	9	ND(25)	ND(1)	ND(3)	On	
	03/11/2020	170	RW grab sample	n/a	170	n/a	ND(1)	1	3	ND(1)	170	5	ND(25)	ND(1)	ND(3)	On	
	04/15/2020	170	RW grab sample	n/a	170	n/a	0.7 J	0.4 J	1	ND(1)	3	0.4 J	ND(25)	ND(1)	ND(3)	On	
	04/21/2020	170	RW grab sample	n/a	170	n/a	ND(1)	1	3	ND(1)	190	ND(1)	ND(25)	ND(1)	ND(3)	On	
	04/22/2020	170	RW grab sample	n/a	170	n/a	ND(1)	1	3	ND(1)	170	4	ND(25)	ND(1)	ND(3)	On	
	04/23/2020	170	RW grab sample	n/a	170	n/a	ND(1)	1	3	ND(1)	190	4	ND(25)	ND(1)	ND(3)	On	
	04/24/2020	170	RW grab sample	n/a	170	n/a	ND(1)	1	3	ND(1)	170	3	ND(25)	ND(1)	ND(3)	On	
	04/27/2020	170	RW grab sample	n/a	170	n/a	ND(1)	1	3	ND(1)	150	2	ND(25)	ND(1)	ND(3)	On	
	08/12/2020	170	RW grab sample	n/a	170	n/a	ND(1.0)	1.2	3.5	ND(1.0)	120	1.5 J	ND(50)	ND(1.0)	ND(6.0)	On	
	11/04/2020	170	RW grab sample	n/a	170	n/a	ND(1.0)	0.73 J	2.6	ND(1.0)	41	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/16/2020	170	RW grab sample	n/a	170	n/a	ND(1.0)	0.79 J	2.5	ND(1.0)	76	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/18/2021	170	RW grab sample	n/a	170	n/a	ND(1.0)	0.91 J	2.9	ND(1.0)	43	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/22/2021	170	RW grab sample	n/a	170	n/a	ND(1.0)	0.93 J	2.6	ND(1.0)	38	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	09/23/2021	170	RW grab sample	n/a	170	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.63 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-138D	10/25/2021	170	RW grab sample	n/a	170	n/a	ND(1.0)	0.63 J	2.4	ND(1.0)	17	1.1 J	ND(50)	ND(1.0)	ND(6.0)	On	
	12/30/2021	170	RW grab sample	n/a	170	n/a	ND(1.0)	0.87 J	2.7	ND(1.0)	69	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	03/10/2022	170	RW grab sample	n/a	170	n/a	ND(1.0)	0.63 J	2.1	ND(1.0) F1	1.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	03/29/2022	170	3 Volume Purge/Grab	n/a	170	n/a	ND(1.0)	0.21 J	0.34 J	ND(1.0)	1.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	subsequent rebound samples by HS @ 82, 100, 125, 156, 200, 222, 255, 293, 337, 384
	6/7/2022	170	RW grab sample	n/a	170	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	9.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
MW-138D(82)	1/11/2019	170	Hydrasleeve	n/a	82	n/a	ND(1)	ND(1)	ND(1)	ND(1)	1	0.3 J	ND(25)	0.2 J	ND(5)		
	2/9/2019	170	Hydrasleeve	n/a	82	n/a	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	3/4/2019	170	Hydrasleeve	n/a	82	n/a	ND(1)	ND(1)	ND(1)	ND(1)	0.3 J	ND(1)	ND(25)	ND(1)	ND(5)		
	04/28/2022	170	Hydrasleeve	n/a	82	n/a	ND(1.0)	ND(1.0)	0.38 J	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	170	Hydrasleeve	n/a	82	n/a	ND(1.0)	ND(1.0)	0.29 J	ND(1.0)	0.61 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	170	Hydrasleeve	n/a	82	n/a	ND(1.0)	ND(1.0)	0.36 J	ND(1.0)	1.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	170	Hydrasleeve	n/a	82	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.66 J	ND(5.0)	ND(50)	0.67 J	ND(6.0)	Off	
	08/29/2022	170	Hydrasleeve	n/a	82	n/a	ND(1.0)	0.21 J	NA	ND(1.0)	0.66 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	170	Hydrasleeve	n/a	82	n/a	ND(1.0)	0.21 J	NA	ND(1.0)	0.52 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/28/2022	170	Hydrasleeve	n/a	82	n/a	ND(1.0)	ND(1.0)	0.44 J	ND(1.0)	0.49 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-138D(100)	1/11/2019	170	Hydrasleeve	n/a	100	n/a	2	1	3	ND(1)	350	21	ND(25)	0.3 J	ND(5)		
	2/9/2019	170	Hydrasleeve	n/a	100	n/a	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	3/4/2019	170	Hydrasleeve	n/a	100	n/a	ND(1)	ND(1)	ND(1)	ND(1)	0.3 J	ND(1)	ND(25)	ND(1)	ND(5)		
	04/28/2022	170	Hydrasleeve	n/a	100	n/a	ND(1.0)	0.29 J	0.70 J	ND(1.0)	0.29 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	170	Hydrasleeve	n/a	100	n/a	ND(1.0)	ND(1.0)	0.35 J	ND(1.0)	0.57 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	170	Hydrasleeve	n/a	100	n/a	ND(1.0)	0.21 J	0.40 J	ND(1.0)	1.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	170	Hydrasleeve	n/a	100	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.61 J	ND(5.0)	ND(50)	0.63 J	ND(6.0)	Off	
	08/29/2022	170	Hydrasleeve	n/a	100	n/a	ND(1.0)	0.26 J	NA	ND(1.0)	0.64 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	170	Hydrasleeve	n/a	100	n/a	ND(1.0) F1	0.26 J F1	NA	ND(1.0) F1	0.89 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0) F1	Off	
	12/28/2022	170	Hydrasleeve	n/a	100	n/a	ND(1.0)	ND(1.0)	0.41 J	ND(1.0)	0.47 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	3/28/2023	170	Hydrasleeve	n/a	100	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-138D(125)	1/11/2019	170	Hydrasleeve	n/a	125	n/a	5	2	6	1	540	36	ND(25)	0.6 J	1 J		
	2/9/2019	170	Hydrasleeve	n/a	125	n/a	ND(1)	ND(1)	ND(1)	ND(1)	0.3 J	ND(1)	ND(25)	ND(1)	ND(5)		
	3/4/2019	170	Hydrasleeve	n/a	125	n/a	ND(1)	ND(1)	ND(1)	ND(1)	0.6 J	ND(1)	ND(25)	ND(1)	ND(5)		
	04/28/2022	170	Hydrasleeve	n/a	125	n/a	ND(1.0)	0.24 J	0.73 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	170	Hydrasleeve	n/a	125	n/a	ND(1.0)	ND(1.0)	0.31 J	ND(1.0)	0.75 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	170	Hydrasleeve	n/a	125	n/a	ND(1.0)	ND(1.0)	0.37 J	ND(1.0)	1.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	170	Hydrasleeve	n/a	125	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.67 J	ND(5.0)	ND(50)	0.30 J	ND(6.0)	Off	
	08/29/2022	170	Hydrasleeve	n/a	125	n/a	ND(1.0)	0.20 J	NA	ND(1.0)	0.66 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	170	Hydrasleeve	n/a	125	n/a	ND(1.0)	0.23 J	NA	ND(1.0)	0.96 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/28/2022	170	Hydrasleeve	n/a	125	n/a	ND(1.0)	ND(1.0)	0.37 J	ND(1.0)	0.62 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-138D(156)	1/11/2019	170	Hydrasleeve	n/a	156	n/a	3	3	10	ND(1)	910	59	ND(25)	0.4 J	ND(5)		
	2/9/2019	170	Hydrasleeve	n/a	156	n/a	7	0.9 J	3	1	250	18	ND(25)	0.7 J	4 J		
	3/4/2019	170	Hydrasleeve	n/a	156	n/a	ND(1)	0.8 J	3	ND(1)	240	16	ND(25)	ND(1)	ND(5)		
	05/25/2022	170	Hydrasleeve	n/a	156	n/a	ND(1.0)	0.27 J	0.55 J	ND(1.0)	0.23 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	170	Hydrasleeve	n/a	156	n/a	ND(1.0)	0.20 J	0.37 J	ND(1.0)	1.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	170	Hydrasleeve	n/a	156	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.60 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	170	Hydrasleeve	n/a	156	n/a	ND(1.0)	0.31 J	NA	ND(1.0)	0.46 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	170	Hydrasleeve	n/a	156	n/a	ND(1.0)	0.28 J	NA	ND(1.0)	0.47 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
MW-138D(200)	1/11/2019	170	Hydrasleeve	n/a	200	n/a	0.7 J	1	5	ND(1)	520	25	ND(25)	0.8 J	ND(5)		
	2/9/2019	170	Hydrasleeve	n/a	200	n/a	3	0.7 J	2	0.8 J	180	12	ND(25)	2	2 J		
	3/4/2019	170	Hydrasleeve	n/a	200	n/a	ND(1)	0.5 J	2	ND(1)	170	11	ND(25)	ND(1)	ND(5)		
	04/28/2022	170	Hydrasleeve	n/a	200	n/a	ND(1.0)	ND(1.0)	0.57 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	170	Hydrasleeve	n/a	200	n/a	ND(1.0)	0.22 J	0.51 J	ND(1.0)	0.37 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	170	Hydrasleeve	n/a	200	n/a	ND(1.0)	0.29 J	0.82 J	ND(1.0)	0.77 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	170	Hydrasleeve	n/a	200	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.60 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	170	Hydrasleeve	n/a	200	n/a	ND(1.0)	0.21 J	NA	ND(1.0)	0.67 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	170	Hydrasleeve	n/a	200	n/a	ND(1.0)	0.24 J	NA	ND(1.0)	0.58 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/28/2022	170	Hydrasleeve	n/a	200	n/a	ND(1.0)	ND(1.0)	0.47 J	ND(1.0)	0.37 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-138D(222)	01/11/2019	170	Hydrasleeve	n/a	222	n/a	0.9 J	0.2 J	1 J	ND(1)	160	4	ND(25)	1 J	ND(5)		
	02/09/2019	170	Hydrasleeve	n/a	222	n/a	4	1	4	0.9 J	330	22	ND(25)	5	4 J		
	03/04/2019	170	Hydrasleeve	n/a	222	n/a	ND(1)	1	4	ND(1)	340	23	ND(25)	ND(1)	ND(5)		
	04/28/2022	170	Hydrasleeve	n/a	222	n/a	ND(1.0)	ND(1.0)	0.55 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	170	Hydrasleeve	n/a	222	n/a	ND(1.0)	ND(1.0)	0.42 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	170	Hydrasleeve	n/a	222	n/a	ND(1.0)	0.37 J	0.97 J	ND(1.0)	0.59 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	170	Hydrasleeve	n/a	222	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.62 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	170	Hydrasleeve	n/a	222	n/a	ND(1.0)	0.22 J	NA	ND(1.0)	0.62 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	170	Hydrasleeve	n/a	222	n/a	ND(1.0)	0.21 J	NA	ND(1.0)	0.54 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/28/2022	170	Hydrasleeve	n/a	222	n/a	ND(1.0)	ND(1.0)	0.50 J	ND(1.0)	0.68 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-138D(255)	01/11/2019	170	Hydrasleeve	n/a	255	n/a	0.9 J	0.2 J	1	ND(1)	160	4	ND(25)	1	ND(5)		
	02/09/2019	170	Hydrasleeve	n/a	255	n/a	4	1	4	0.9 J	330	22	ND(25)	5	3 J		
	03/04/2019	170	Hydrasleeve	n/a	255	n/a	ND(1)	1	4	ND(1)	360	25	ND(25)	ND(1)	ND(5)		
	04/28/2022	170	Hydrasleeve	n/a	255	n/a	ND(1.0)	ND(1.0)	0.48 J	ND(1.0)	0.20 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	170	Hydrasleeve	n/a	255	n/a	ND(1.0)	ND(1.0)	0.36 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	170	Hydrasleeve	n/a	255	n/a	ND(1.0)	0.34 J	0.95 J	ND(1.0)	0.81 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	170	Hydrasleeve	n/a	255	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.61 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	170	Hydrasleeve	n/a	255	n/a	ND(1.0)	0.21 J	NA	ND(1.0)	0.47 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	170	Hydrasleeve	n/a	255	n/a	ND(1.0)	0.21 J	NA	ND(1.0)	0.34 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/28/2022	170	Hydrasleeve	n/a	255	n/a	ND(1.0)	ND(1.0)	0.45 J	ND(1.0)	0.64 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	03/28/2023	170	Hydrasleeve	n/a	255	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.44 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
MW-138D(293)	01/11/2019	170	Hydrasleeve	n/a	293	n/a	0.7 J	0.7 J	2	ND(1)	300	12	ND(25)	1	ND(5)		
	02/09/2019	170	Hydrasleeve	n/a	293	n/a	4	1	4	1	320	22	ND(25)	6	4 J		
	03/04/2019	170	Hydrasleeve	n/a	293	n/a	ND(1)	1	4	ND(1)	330	22	ND(25)	ND(1)	ND(5)		
	04/28/2022	170	Hydrasleeve	n/a	293	n/a	ND(1.0)	ND(1.0)	0.56 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	170	Hydrasleeve	n/a	293	n/a	ND(1.0)	ND(1.0)	0.34 J	ND(1.0)	0.49 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	170	Hydrasleeve	n/a	293	n/a	ND(1.0)	0.34 J	0.95 J	ND(1.0)	0.81 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	170	Hydrasleeve	n/a	293	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.64 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	170	Hydrasleeve	n/a	293	n/a	ND(1.0)	0.22 J	NA	ND(1.0)	0.51 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	170	Hydrasleeve	n/a	293	n/a	ND(1.0)	0.22 J	NA	ND(1.0)	0.63 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/28/2022	170	Hydrasleeve	n/a	293	n/a	ND(1.0)	ND(1.0)	0.53 J	ND(1.0)	0.39 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
MW-138D(337)	01/11/2019	170	Hydrasleeve	n/a	337	n/a	0.9 J	ND(1)	0.2 J	ND(1)	15	2	ND(25)	1	ND(5)		
	02/09/2019	170	Hydrasleeve	n/a	337	n/a	8	1	4	2	380	27	ND(25)	4	6		
	03/04/2019	170	Hydrasleeve	n/a	337	n/a	0.4 J	0.9 J	3	ND(1)	290	20	ND(25)	ND(1)	ND(5)		
	04/28/2022	170	Hydrasleeve	n/a	337	n/a	ND(1.0)	0.21 J	0.47 J	ND(1.0)	0.94 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	170	Hydrasleeve	n/a	337	n/a	ND(1.0)	ND(1.0)	0.32 J	ND(1.0)	0.54 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	170	Hydrasleeve	n/a	337	n/a	ND(1.0)	0.26 J	0.59 J	ND(1.0) F1	1.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	170	Hydrasleeve	n/a	337	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.62 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	170	Hydrasleeve	n/a	337	n/a	ND(1.0)	0.29 J	NA	ND(1.0)	0.39 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	170	Hydrasleeve	n/a	337	n/a	ND(1.0)	0.20 J	NA	ND(1.0)	0.37 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/28/2022	170	Hydrasleeve	n/a	337	n/a	ND(1.0)	ND(1.0)	0.50 J	ND(1.0)	0.29 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	03/28/2023	170	Hydrasleeve	n/a	337	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.36 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
MW-138D(384)	01/11/2019	170	Hydrasleeve	n/a	384	n/a	0.4 J	ND(1)	ND(1)	ND(1)	6	0.9 J	ND(25)	4	ND(5)		
	02/09/2019	170	Hydrasleeve	n/a	384	n/a	4	1	4	0.7 J	330	21	ND(25)	4	3 J		
	03/04/2019	170	Hydrasleeve	n/a	384	n/a	ND(1)	ND(1)	0.5 J	ND(1)	37	2	ND(25)	ND(1)	ND(5)		
	04/28/2022	170	Hydrasleeve	n/a	384	n/a	ND(1.0)	ND(1.0)	0.49 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	170	Hydrasleeve	n/a	384	n/a	ND(1.0)	ND(1.0)	0.33 J	ND(1.0)	0.36 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	170	Hydrasleeve	n/a	384	n/a	ND(1.0)	0.32 J	0.87 J	ND(1.0)	0.93 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	170	Hydrasleeve	n/a	384	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.63 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	170	Hydrasleeve	n/a	384	n/a	ND(1.0)	0.20 J	NA	ND(1.0)	0.28 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	170	Hydrasleeve	n/a	384	n/a	ND(1.0)	0.23 J	NA	ND(1.0)	0.56 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/28/2022	170	Hydrasleeve	n/a	384	n/a	ND(1.0)	ND(1.0)	0.51 J	ND(1.0)	0.22 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	03/28/2023	170	Hydrasleeve	n/a	384	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.38 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-139	03/11/2019	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1)	0.7 J	2	ND(1)	0.2 J	ND(1)	ND(25)	ND(1)	ND(5)	Off	
	06/26/2019	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)	Off	
	09/09/2019	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1)	ND(1)	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)	Off	
	11/25/2019	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1)	ND(1)	0.3 J	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)	Off	
	03/10/2020	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1)	ND(1)	0.3 J	ND(1)	0.3 J	ND(1)	ND(25)	ND(1)	ND(3)	Off	
	04/07/2020	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1)	ND(1)	0.2 J	ND(1)	0.3 J	ND(1)	ND(25)	ND(1)	ND(3)	Off	
	09/15/2020	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	ND(1.0)	0.21 J	ND(1.0)	7.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	11/06/2020	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	ND(1.0)	0.62 J	ND(1.0)	37	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	01/22/2021	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	2.4	6.4	ND(1.0)	25	1.1 J	86	ND(1.0)	ND(6.0)	Off	
	04/16/2021	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/06/2021	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	0.39 J	1	ND(1.0)	4.5	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	12/08/2021	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	0.46 J	1	ND(1.0)	4.9	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	02/09/2022	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	NA	NA	ND(1.0)	19	NA	NA	ND(1.0)	ND(6.0)	Off	
	06/09/2022	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	0.36 J	0.94 J	ND(1.0)	14	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/08/2022	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	14	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	10/18/2022	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	0.52 J	1.4	ND(1.0)	23	1.1 J	ND(50)	ND(1.0)	ND(6.0)	Off	
	11/15/2022	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	0.48 J	1.3	ND(1.0)	26	1.3 J	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/05/2022	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	0.60 J	1.4	ND(1.0)	31	1.3 J	12 J	ND(1.0)	ND(1.0)	Off	
	02/07/2023	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	0.50 J	1.3	ND(1.0)	28	1.2 J	ND(50)	ND(1.0)	ND(1.0)	Off	
	03/22/2023	n/a	n/a	3 Volume Purge/Grab	n/a	100	ND(1.0)	0.86 J	1.8	ND(1.0)	26	1.1 J	28 J	ND(1.0)	ND(1.0)	Off	
MW-152	02/01/2019	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1)	0.5 J	1	2	10	1	ND(25)	1 J	35		
	06/26/2019	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	07/02/2019	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1)	ND(1)	ND(1)	ND(1)	0.8 J	ND(1)	ND(25)	ND(1)	ND(5)		
	07/24/2019	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	08/20/2019	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	10/21/2019	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	11/18/2019	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	12/10/2019	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	03/10/2020	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/07/2020	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	09/11/2020	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.47 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/30/2020	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	01/22/2021	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/07/2021	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/06/2021	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	12/08/2021	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	02/09/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	NA	NA	ND(1.0)	ND(1.0)	NA	NA	ND(1.0)	ND(6.0)		
	03/28/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/26/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.20 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/23/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.55 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/06/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/20/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/20/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0) cn	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/25/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/19/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	10/18/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/16/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/09/2022	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	03/22/2023	n/a	n/a	3 Volume Purge/Grab	n/a	48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-178C	01/08/2019	200	RW grab sample	n/a	200	n/a	ND(1)	1	7	ND(1)	150	8	590	ND(1)	ND(5)	On	
	02/11/2019	200	RW grab sample	n/a	200	n/a	ND(1)	1	7	ND(1)	44	2	1300	ND(1)	ND(5)	On	
	03/14/2019	200	RW grab sample	n/a	200	n/a	ND(1)	3	13	ND(1)	180	9	780	ND(1)	ND(5)	On	
	04/12/2019	200	RW grab sample	n/a	200	n/a	ND(1)	3	13	ND(1)	200	10	680	ND(1)	ND(5)	On	
	06/14/2019	200	RW grab sample	n/a	200	n/a	ND(1)	2	10	ND(1)	210	9	520	ND(1)	ND(5)	On	
	07/29/2019	200	RW grab sample	n/a	200	n/a	ND(1)	1	5	ND(1)	0.8 J	ND(1)	ND(25)	ND(1)	ND(5)	On	
	10/14/2019	200	RW grab sample	n/a	200	n/a	ND(1)	2	9	ND(1)	4	ND(1)	ND(25)	ND(1)	ND(3)	On	
	11/05/2019	200	RW grab sample	n/a	200	n/a	ND(1)	2	9	ND(1)	90	4	320	ND(1)	ND(3)	On	
	12/06/2019	200	RW grab sample	n/a	200	n/a	ND(1)	2	7	ND(1)	110	5	86	ND(1)	ND(3)	On	
	01/02/2020	200	RW grab sample	n/a	200	n/a	ND(1)	2	8	ND(1)	130	7	490	ND(1)	ND(3)	On	
	04/15/2020	200	RW grab sample	n/a	200	n/a	ND(1)	4	14	ND(1)	120	7	560	ND(1)	ND(3)	On	
	08/12/2020	200	RW grab sample	n/a	200	n/a	ND(1.0)	0.29 J	1.1	ND(1.0)	20	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/03/2020	200	RW grab sample	n/a	200	n/a	ND(1.0)	2.3	9.6	ND(1.0)	56	3.1 J	460	ND(1.0)	ND(6.0)	On	
	01/18/2021	200	RW grab sample	n/a	200	n/a	0.24 J	2.5	10	ND(1.0)	56	2.8 J	440	ND(1.0)	ND(6.0)	On	
	04/08/2021	200	RW grab sample	n/a	200	n/a	ND(1.0)	1.3	5	ND(1.0)	32	1.7 J	300	ND(1.0)	ND(6.0)	On	
	09/21/2021	200	RW grab sample	n/a	200	n/a	ND(1.0)	ND(1.0)	0.75 J	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	10/25/2021	200	RW grab sample	n/a	200	n/a	ND(1.0)	0.58 J	1.7	ND(1.0)	110	3.4 J	ND(50)	ND(1.0)	ND(6.0)	On	
	12/30/2021	200	RW grab sample	n/a	200	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	02/01/2022	200	RW grab sample	n/a	200	n/a	ND(1.0)	1.3	5.5	ND(1.0)	35	1.8 J	190	ND(1.0)	ND(6.0)	On	
	03/28/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	0.76 J	2.5	ND(1.0)	30	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	04/27/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	0.65 J	2.1	ND(1.0)	27	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/24/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	0.76 J	2.4	ND(1.0)	31	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/06/2022	200	RW grab sample	n/a	200	n/a	ND(1.0)	ND(1.0)	0.50 J	ND(1.0)	1.9	ND(5.0)	16 J	ND(1.0)	ND(6.0)	On	
	06/24/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	0.57 J cn	1.2	ND(1.0)	3.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/19/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	1.3	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	08/30/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	0.66 J	NA	ND(1.0)	39	ND(5.0)	22 J	ND(1.0)	ND(6.0)	Off	
	09/19/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	0.57 J	NA	ND(1.0)	30	1.6 J	16 J	ND(1.0)	ND(6.0)	Off	
	10/20/2022	200	3 Volume Purge/Grab	n/a	200	n/a	1.4	3.2	11	ND(1.0)	15	ND(5.0)	360	ND(1.0)	ND(6.0)	On	Restarted RW 10/20/22
	11/17/2022	200	3 Volume Purge/Grab	n/a	200	n/a	1.3	2.4	10	ND(1.0)	40	3.3 J	670	ND(1.0)	ND(6.0)	On	RW ON cycle
	12/05/2022	200	3 Volume Purge/Grab	n/a	200	n/a	0.77 J	4.5	16	ND(1.0)	59	4.7 J	770	ND(1.0)	ND(1.0)	Off	RW OFF cycle
	01/09/2023	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	2.4	10	ND(1.0)	61	5.1	750	ND(1.0)	ND(1.0)		
	02/20/2023	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	0.85 J	2.7	ND(1.0)	62	4.2 J	78	ND(1.0)	ND(1.0)	Off	Converted to Proximal well on 1/27/23
	03/20/2023	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	0.75 J	2.2	ND(1.0)	50	2.8 J	83	ND(1.0)	ND(1.0)	Off	Proximal well - monthly sampling
	04/24/2023	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	0.97 J	2.6	ND(1.0)	54	3.6 J	86	ND(1.0)	ND(1.0)	Off	Proximal well - monthly sampling
	05/22/2023	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0) F1	0.58 J F1	1.6 F1	ND(1.0) F1	34 F1	2.2 J F1	51	ND(1.0) F1	ND(1.0) F1	Off	Proximal well - monthly sampling
MW-183	01/08/2019	200	RW grab sample	n/a	200	n/a	0.4 J	0.3 J	1	ND(1)	19	ND(1)	180	0.5 J	ND(5)	On	
	02/22/2019	200	RW grab sample	n/a	200	n/a	ND(1)	0.4 J	2	ND(1)	17	0.5 J	68	ND(1)	ND(5)	On	
	03/13/2019	200	RW grab sample	n/a	200	n/a	0.3 J	1	6	ND(1)	61	3	94	ND(1)	ND(5)	On	
	05/02/2019	200	RW grab sample	n/a	200	n/a	ND(1)	1	6	ND(1)	80	3	120	0.3 J	ND(5)	On	
	06/14/2019	200	RW grab sample	n/a	200	n/a	ND(1)	0.9 J	5	ND(1)	39	0.8 J	ND(25)	ND(1)	ND(5)	On	
	07/22/2019	200	RW grab sample	n/a	200	n/a	0.2 J	ND(1)	0.7 J	ND(1)	3	0.3 J	570	ND(1)	ND(5)	On	
	08/16/2019	200	RW grab sample	n/a	200	n/a	ND(1)	ND(1)	ND(1)	ND(1)	0.4 J	ND(1)	37	0.5 J	ND(5)	On	
	10/14/2019	200	RW grab sample	n/a	200	n/a	0.9 J	ND(1)	0.2 J	0.8 J	2	ND(1)	ND(25)	2	ND(3)	On	
	11/04/2019	200	RW grab sample	n/a	200	n/a	ND(1)	0.6 J	2	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)	On	
	11/19/2019	200	RW grab sample	n/a	200	n/a	ND(1)	0.4 J	2	ND(1)	0.4 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	12/06/2019	200	RW grab sample	n/a	200	n/a	ND(1)	0.4 J	1	ND(1)	0.5 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	02/18/2020	200	RW grab sample	n/a	200	n/a	ND(1)	0.6 J	2	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)	On	
	04/16/2020	200	RW grab sample	n/a	200	n/a	ND(1)	2	8	ND(1)	66	2	290	ND(1)	ND(3)	On	
	06/22/2020	200	RW grab sample	n/a	200	n/a	ND(1.0)	ND(1.0)	0.24 J	ND(1.0)	0.87 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	08/12/2020	200	RW grab sample	n/a	200	n/a	2.5	3.8	16	ND(1.0)	61	5.8	1000	ND(1.0)	ND(6.0)	On	
	11/02/2020	200	RW grab sample	n/a	200	n/a	ND(1.0)	1.7	8	ND(1.0)	49	4.5 J	620	ND(1.0)	ND(6.0)	On	
	01/18/2021	200	RW grab sample	n/a	200	n/a	ND(1.0)	2.4	11	ND(1.0)	50	2.0 J	360	ND(1.0)	ND(6.0)	On	
	04/08/2021	200	RW grab sample	n/a	200	n/a	ND(1.0) F1	2.6	11	ND(1.0)	79	4.9 J	750	ND(1.0)	ND(6.0)	On	
	09/21/2021	200	RW grab sample	n/a	200	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	10/25/2021	200	RW grab sample	n/a	200	n/a	ND(1.0)	0.67 J	2.1	ND(1.0)	6.8	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	12/30/2021	200	RW grab sample	n/a	200	n/a	ND(1.0)	ND(1.0)	0.50 J	ND(1.0)	3.8	ND(5.0)	240	ND(1.0)	ND(1.0)	On	

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-183	02/11/2022	200	RW grab sample	n/a	200	n/a	ND(1.0)	NA	NA	ND(1.0)	14	NA	NA	ND(1.0)	ND(6.0)	On	
	03/28/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	ND(1.0)	0.42 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	04/27/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	ND(1.0)	0.33 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/24/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	ND(1.0)	0.29 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/06/2022	200	RW grab sample	n/a	200	n/a	ND(1.0)	1.2	5.9	ND(1.0)	33	2.0 J	680	ND(1.0)	ND(6.0)	On	
	06/24/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	1.6 cn	6.7	ND(1.0)	34	1.8 J	420	ND(1.0)	ND(6.0)	Off	
	07/19/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	0.33 J	NA	ND(1.0)	0.66 J	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	08/30/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	1.2	ND(5.0)	20 J	ND(1.0)	ND(6.0)	Off	
	9/19/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	1.9	ND(5.0)	22 J	ND(1.0)	ND(6.0)	Off	
	12/9/2022	200	3 Volume Purge/Grab	n/a	200	n/a	ND(1.0)	ND(1.0)	0.90 J	ND(1.0)	5.9	ND(5.0)	21 J	ND(1.0)	ND(1.0)	Off	
	3/6/2023	200	3 Volume Purge/Grab	n/a	200	n/a	0.60 J	1.4	4.6	ND(1.0)	14	1.2 J	230	ND(1.0)	ND(1.0)		
MW-187A [R]	01/18/2019	55	RW grab sample	n/a	55	n/a	260	ND(20)	ND(20)	190	250	ND(20)	ND(500)	2100	1300	On	
	02/06/2019	55	RW grab sample	n/a	55	n/a	190	2 J	3 J	120	190	49	72 J	1500	910	On	
	03/11/2019	55	RW grab sample	n/a	55	n/a	180	ND(20)	ND(20)	85	200	49	ND(500)	1300	790	On	
	04/11/2019	55	RW grab sample	n/a	55	n/a	38	1	2	10	45	28	11 J	200	110	On	
	05/09/2019	55	RW grab sample	n/a	55	n/a	150	3 J	3 J	110	210	55	ND(130)	1300	850	On	
	07/10/2019	55	RW grab sample	n/a	55	n/a	210	2 J	3 J	230	190	46	ND(130)	2000	1400	On	
	09/13/2019	55	RW grab sample	n/a	55	n/a	300	ND(2)	3	330	170	ND(2)	ND(50)	3000	1800	On	
	10/01/2019	55	RW grab sample	n/a	55	n/a	ND(1)	0.4 J	2	ND(1)	130	5	93	0.8 J	2 J	On	
	11/06/2019	55	RW grab sample	n/a	55	n/a	330	2 J	3 J	230	190	45	ND(130)	3100	1900	On	
	12/18/2019	55	RW grab sample	n/a	55	n/a	310	2 J	3 J	210	180	39	ND(250)	3400	1800	On	
	01/09/2020	55	RW grab sample	n/a	55	n/a	0.3 J	0.8 J	0.9 J	ND(1)	43	13	13 J	2	20	On	
	06/16/2020	55	RW grab sample	n/a	55	n/a	180	1.2	1.8	ND(1.0)	ND(1.0)	22	34 J	1800	1400	On	
	07/16/2020	55	RW grab sample	n/a	55	n/a	210	1.1 J	1.7 J	180	88	20 J	ND(250)	2000	1500	On	
	07/30/2020	55	RW grab sample	n/a	55	n/a	230	ND(2.0)	1.4 J	190	85	18	ND(100)	ND(2.0)	1500	On	
	08/26/2020	55	RW grab sample	n/a	55	n/a	210	1.0 J	1.7 J	170	85	18	42 J	1700	1400	On	
	09/18/2020	55	RW grab sample	n/a	55	n/a	180	ND(5.0)	ND(5.0)	170	70	ND(25)	ND(250)	1900	1400	On	
	10/20/2020	55	RW grab sample	n/a	55	n/a	13	ND(5.0)	ND(5.0)	7.1	54	12 J	82 J	120	97	On	
	01/14/2021	55	RW grab sample	n/a	55	n/a	1.3	0.63 J	1.2	1.1	64	10	31 J	25	48	On	
	04/05/2021	55	RW grab sample	n/a	55	n/a	160	ND(5.0)	ND(5.0)	65	64	ND(25)	ND(250)	870	860	On	
	09/30/2021	55	RW grab sample	n/a	55	n/a	2.8	ND(1.0)	ND(1.0)	0.76 J	9.8	1.6 J	24 J	16	34	On	
	10/25/2021	55	RW grab sample	n/a	55	n/a	110	0.77 J	ND(1.0)	71	53	8.1	43 J	490	610	On	
	02/02/2022	55	RW grab sample	n/a	55	n/a	55	0.46 J	0.78 J	14	47	6.6	31 J	270	370	On	
	03/29/2022	55	3 Volume Purge/Grab	n/a	55	n/a	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(25)	ND(250)	ND(5.0)	ND(30)	Off	
	04/27/2022	55	3 Volume Purge/Grab	n/a	55	n/a	190	ND(5.0)	ND(5.0)	260	42	ND(25)	ND(250)	1500	1200	Off	
	05/23/2022	55	3 Volume Purge/Grab	n/a	55	n/a	220	ND(5.0)	ND(5.0)	280	47	ND(25)	ND(250)	1500	1300	Off	
	06/06/2022	55	RW grab sample	n/a	55	n/a	74	ND(5.0)	ND(5.0)	80	32	ND(25)	ND(250)	600	840	On	
	06/24/2022	55	3 Volume Purge/Grab	n/a	55	n/a	6.9	ND(5.0) cn	ND(5.0)	5.6	9	ND(25)	ND(250)	36	33	Off	
	~~07/20/2022~~	~~55~~	~~3 Volume Purge/Grab~~	~~n/a~~	~~55~~	~~n/a~~	~~1200~~	~~ND(5.0)~~	~~ND(5.0)~~	~~1600~~	~~190 cn~~	~~ND(25)~~	~~ND(250)~~	~~7600~~	~~5300~~	~~Off~~	considered erroneous data point
	08/10/2022	55	3 Volume Purge/Grab	n/a	55	n/a	4.4 J	ND(5.0)	ND(5.0)	2.0 J	1.5 J	ND(25)	ND(250)	9.7	ND(30)	Off	
	08/25/2022	55	3 Volume Purge/Grab	n/a	55	n/a	25	ND(5.0)	ND(5.0)	12	5.6	ND(25)	ND(250)	83	81	Off	
	09/20/2022	55	3 Volume Purge/Grab	n/a	55	n/a	15	ND(1.0)	NA	5.1	4.2	ND(5.0)	ND(50)	33	21	Off	
	10/19/2022	55	3 Volume Purge/Grab	n/a	55	n/a	270	0.44 J	0.69 J	190	56	8.4	19 J	910	900	Off	Restarted RW 10/20/22
	11/17/2022	55	3 Volume Purge/Grab	n/a	55	n/a	76	ND(5.0)	ND(5.0)	22	56	7.2 J	ND(250)	190	480	On	RW ON cycle
	12/05/2022	55	3 Volume Purge/Grab	n/a	55	n/a	140	ND(5.0)	ND(5.0)	54	62	8.1 J	ND(250)	360	1000	Off	RW OFF cycle
	01/09/2023	55	3 Volume Purge/Grab	n/a	55	n/a	0.99 J	ND(1.0)	0.35 J	ND(1.0)	25	3.6 J	13 J	0.98 J	26		
	02/20/2023	55	RW grab sample	n/a	55	n/a	120	0.33 J	0.59 J	70	44	6.3	21 J	300	570	On	RW ON cycle
	03/20/2023	55	RW grab sample	n/a	55	n/a	250	0.54 J	0.99 J	240	79	11	29 J	930	1200	Off	RW OFF cycle
	04/24/2023	55	RW grab sample	n/a	55	n/a	7	ND(1.0)	0.44 J	3	29	3.6 J	19 J	19	40	On	RW ON cycle
	05/22/2023	55	RW grab sample	n/a	55	n/a	85	0.47 J	1.1	31	74	8.7	24 J	250	400	Off	RW OFF cycle

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-187B	01/18/2019	92	RW grab sample	n/a	92	n/a	ND(1)	1	3	ND(1)	150	5	88	ND(1)	ND(5)	On	
	02/06/2019	92	RW grab sample	n/a	92	n/a	ND(1)	0.8 J	3	ND(1)	37	0.6 J	49	ND(1)	ND(5)	On	
	03/11/2019	92	RW grab sample	n/a	92	n/a	ND(1)	0.8 J	3	ND(1)	150	6	110	ND(1)	ND(5)	On	
	04/11/2019	92	RW grab sample	n/a	92	n/a	6	0.9 J	3	3	280	25	95	69	60	On	
	05/09/2019	92	RW grab sample	n/a	92	n/a	ND(1)	0.2 J	1	ND(1)	110	6	94	0.3 J	ND(5)	On	
	07/10/2019	92	RW grab sample	n/a	92	n/a	ND(1)	ND(1)	0.9 J	ND(1)	70	4	89	ND(1)	ND(5)	On	
	09/13/2019	92	RW grab sample	n/a	92	n/a	ND(1)	0.2 J	1	ND(1)	62	3	92	ND(1)	ND(3)	On	
	10/01/2019	92	RW grab sample	n/a	92	n/a	ND(1)	ND(1)	0.8 J	ND(1)	64	4	110	0.8 J	1 J	On	
	11/06/2019	92	RW grab sample	n/a	92	n/a	2	0.4 J	2	2	90	4	100	23	13	On	
	12/18/2019	92	RW grab sample	n/a	92	n/a	ND(1)	ND(1)	0.8 J	ND(1)	29	1	43	1	ND(3)	On	
	01/09/2020	92	RW grab sample	n/a	92	n/a	ND(1)	0.2 J	1 J	ND(1)	37	2	59	ND(1)	ND(3)	On	
	06/16/2020	92	RW grab sample	n/a	92	n/a	ND(1.0)	ND(1.0)	0.52 J	ND(1.0)	17	0.84 J	15 J	ND(1.0)	ND(6.0)	On	
	08/26/2020	92	RW grab sample	n/a	92	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	0.29 J	ND(6.0)	On	
	11/16/2020	92	RW grab sample	n/a	92	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.71 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/14/2021	92	RW grab sample	n/a	92	n/a	0.69 J	0.84 J	2.7	0.60 J	63	4.1 J	170	1.4	6.1	On	
	04/05/2021	92	RW grab sample	n/a	92	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4.6	ND(5.0)	ND(50)	0.57 J	ND(6.0)	On	
	09/30/2021	92	RW grab sample	n/a	92	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	10/25/2021	92	RW grab sample	n/a	92	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.23 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	03/11/2022	92	RW grab sample	n/a	92	n/a	ND(1.0)	0.49 J	1.4	ND(1.0)	11	ND(5.0)	59	ND(1.0)	ND(6.0)	On	
	03/29/2022	92	3 Volume Purge/Grab	n/a	92	n/a	ND(1.0)	0.52 J	1.5	ND(1.0)	35	1.3 J	90	ND(1.0)	ND(6.0)	Off	
	4/27/2022	92	3 Volume Purge/Grab	n/a	92	n/a	ND(1.0)	0.54 J	1.7	ND(1.0)	29	ND(5.0)	110	ND(1.0)	ND(6.0)	Off	
	5/23/2022	92	3 Volume Purge/Grab	n/a	92	n/a	0.51 J	0.57 J	1.6	0.42 J	30	1.3 J	110	1.5	2.0 J	Off	
	6/6/2022	92	RW grab sample	n/a	92	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	6/24/2022	92	3 Volume Purge/Grab	n/a	92	n/a	ND(1.0)	0.64 J cn	1.7	ND(1.0)	11	ND(5.0)	66	ND(1.0)	ND(6.0)	Off	
	7/20/2022	92	3 Volume Purge/Grab	n/a	92	n/a	0.32 J	ND(1.0)	NA	ND(1.0)	9.3 cn	ND(5.0)	110	ND(1.0)	ND(6.0)	Off	
	8/25/2022	92	3 Volume Purge/Grab	n/a	92	n/a	0.33 J	0.56 J	1.5	ND(1.0)	8.6	ND(5.0)	100	ND(1.0)	ND(6.0)	Off	
	9/20/2022	92	3 Volume Purge/Grab	n/a	92	n/a	0.35 J	0.93 J	NA	ND(1.0)	18	ND(5.0)	120	ND(1.0)	ND(6.0)	Off	
	10/19/2022	92	3 Volume Purge/Grab	n/a	92	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.4	ND(5.0)	12 J	0.76 J	ND(6.0)	Off	
	12/5/2022	92	3 Volume Purge/Grab	n/a	92	n/a	2	ND(1.0)	0.56 J	1.1	9.3	ND(5.0)	15 J	5.4	7.9	Off	
	1/9/2023	92	3 Volume Purge/Grab	n/a	92	n/a	ND(1.0)	ND(1.0)	0.40 J	ND(1.0)	13	ND(5.0)	ND(50)	ND(1.0)	0.78 J		
	2/20/2023	92	3 Volume Purge/Grab	n/a	92	n/a	22	ND(1.0)	ND(1.0)	12	7.3	ND(5.0)	ND(50)	63	99	Off	Proximal well - monthly sampling - sys ON
	3/20/2023	92	3 Volume Purge/Grab	n/a	92	n/a	ND(1.0)	ND(1.0)	0.46 J	ND(1.0)	15	ND(5.0)	ND(50)	0.24 J	0.43 J	Off	Proximal well - monthly sampling - sys OFF
	4/24/2023	92	3 Volume Purge/Grab	n/a	92	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.92 J	ND(5.0)	13 J	1.0	ND(1.0)	Off	Proximal well - monthly sampling - sys ON
	5/22/2023	92	3 Volume Purge/Grab	n/a	92	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.2	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	Proximal well - monthly sampling - sys OFF
MW-187C [R]	01/18/2019	170	RW grab sample	n/a	170	n/a	ND(1)	2	7	ND(1)	590	26	ND(25)	ND(1)	ND(5)	On	
	02/06/2019	170	RW grab sample	n/a	170	n/a	ND(1)	1	6	ND(1)	420	18	ND(25)	ND(1)	ND(5)	On	
	03/11/2019	170	RW grab sample	n/a	170	n/a	ND(1)	2	8	ND(1)	510	16	ND(25)	ND(1)	ND(5)	On	
	04/11/2019	170	RW grab sample	n/a	170	n/a	ND(1)	2	9	ND(1)	550	19	ND(25)	ND(1)	ND(5)	On	
	07/10/2019	170	RW grab sample	n/a	170	n/a	ND(1)	2	9	ND(1)	510	14	ND(25)	ND(1)	ND(5)	On	
	09/19/2019	170	RW grab sample	n/a	170	n/a	ND(1)	3	11	ND(1)	580	20	ND(25)	ND(1)	ND(5)	On	
	10/09/2019	170	RW grab sample	n/a	170	n/a	ND(1)	3	11	ND(1)	550	20	ND(25)	ND(1)	ND(3)	On	
	11/06/2019	170	RW grab sample	n/a	170	n/a	ND(5)	4 J	15	ND(5)	890	25	ND(130)	ND(5)	ND(15)	On	
	12/18/2019	170	RW grab sample	n/a	170	n/a	ND(1)	4	15	ND(1)	630	17	ND(25)	ND(1)	ND(3)	On	
	01/09/2020	170	RW grab sample	n/a	170	n/a	ND(1)	4	14	ND(1)	280	2	ND(25)	ND(1)	ND(3)	On	
	06/16/2020	170	RW grab sample	n/a	170	n/a	ND(1.0)	0.20 J	11	ND(1.0)	77	1.2 J	ND(50)	ND(1.0)	ND(6.0)	On	
	08/26/2020	170	RW grab sample	n/a	170	n/a	ND(1.0)	2.4	9.6	ND(1.0)	26	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/16/2020	170	RW grab sample	n/a	170	n/a	24	ND(1.0)	0.43 J	13	21	3.2 J	13 J	150	100	On	
	02/09/2021	170	RW grab sample	n/a	170	n/a	ND(1.0)	ND(1.0)	0.78 J	ND(1.0)	0.84 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/05/2021	170	RW grab sample	n/a	170	n/a	ND(1.0)	2.2	8.8	ND(1.0)	280	3.3 J	ND(50)	ND(1.0)	ND(6.0)	On	
	09/30/2021	170	RW grab sample	n/a	170	n/a	ND(10)	ND(10)	ND(10)	ND(10)	3.4 J	ND(50)	ND(500)	ND(10)	ND(10)	On	

Kleinfelder
1745 Dorsey Road Suite J Hanover MD

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-187C [R]	10/25/2021	170	RW grab sample	n/a	170	n/a	ND(1.0)	2.1	6.8	ND(1.0)	200	3.3 J	ND(50)	ND(1.0)	ND(6.0)	On	
	02/02/2022	170	RW grab sample	n/a	170	n/a	ND(1.0)	1.9	7	ND(1.0)	230	3.5 J	ND(50)	ND(1.0)	ND(6.0)	On	
	03/29/2022	170	3 Volume Purge/Grab	n/a	170	n/a	ND(1.0)	2.1	7.3	ND(1.0)	280	8.1	18 J	ND(1.0)	ND(6.0)	Off	
	05/23/2022	170	3 Volume Purge/Grab	n/a	170	n/a	ND(1.0)	1.4	5	ND(1.0)	170	5.1	13 J	1.4	ND(6.0)	Off	
	06/07/2022	170	RW grab sample	n/a	170	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	8.9	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	06/24/2022	170	3 Volume Purge/Grab	n/a	170	n/a	ND(1.0) F1	2.0 cn	7	ND(1.0) F1	370	14	15 J	ND(1.0) F1	ND(6.0) F1	Off	
	10/19/2022	170	3 Volume Purge/Grab	n/a	170	n/a	4.2	2.2	8.9	ND(1.0)	420	18	110	ND(1.0)	ND(6.0)	Off	Restarted RW 10/20/22
	11/17/2022	170	3 Volume Purge/Grab	n/a	170	n/a	0.47 J	0.25 J	1.3	ND(1.0)	89	4.2 J	ND(50)	0.65 J	ND(6.0)	On	RW ON cycle
	12/06/2022	170	3 Volume Purge/Grab	n/a	170	n/a	ND(1.0)	0.81 J	3.6	ND(1.0)	260	7.6	ND(50)	ND(1.0)	ND(1.0)	On	RW OFF cycle
	01/09/2023	170	3 Volume Purge/Grab	n/a	170	n/a	ND(1.0)	0.98 J	4.9	ND(1.0)	260	6.1	ND(50)	ND(1.0)	ND(1.0)		
	02/20/2023	170	RW grab sample	n/a	170	n/a	ND(1.0)	1.9	7.4	ND(1.0)	320	13	ND(50)	ND(1.0)	ND(1.0)	On	RW ON cycle
	03/20/2023	170	RW grab sample	n/a	170	n/a	ND(1.0)	1.7	6.2	ND(1.0)	240	6.8	ND(50)	ND(1.0)	ND(1.0)	Off	RW OFF cycle
	04/24/2023	170	RW grab sample	n/a	170	n/a	ND(1.0)	2	7.4	ND(1.0)	360	14	ND(50)	ND(1.0)	ND(1.0)	On	RW ON cycle
	05/22/2023	170	RW grab sample	n/a	170	n/a	ND(1.0)	1.2	4.9	ND(1.0)	270	9.1	ND(50)	ND(1.0)	ND(1.0)	Off	RW OFF cycle
MW-187C(210)	09/27/2018	170	Hydrasleeve	n/a	210	n/a	0.2 J	0.2 J	1	ND(1)	89	4	22 J	ND(1)	ND(5)	Off	
	10/16/2018	170	Hydrasleeve	n/a	210	n/a	ND(1)	0.2 J	1	ND(1)	76	3	ND(25)	ND(1)	ND(5)	Off	
	04/28/2022	170	Hydrasleeve	n/a	210	n/a	ND(1.0)	0.81 J	3	ND(1.0)	100	2.6 J	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	170	Hydrasleeve	n/a	210	n/a	ND(1.0)	1.9	6	ND(1.0)	150	4.5 J	16 J	ND(1.0)	ND(6.0)	Off	
	07/20/2022	170	Hydrasleeve	n/a	210	n/a	ND(1.0)	0.77 J	NA	ND(1.0)	75	2.4 J	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	08/29/2022	170	Hydrasleeve	n/a	210	n/a	ND(5.0)	ND(5.0)	NA	ND(5.0)	41	ND(25)	ND(250)	ND(5.0)	ND(30)	Off	
	09/20/2022	170	Hydrasleeve	n/a	210	n/a	0.76 J	1.1	NA	ND(1.0)	160	6.5	39 J	ND(1.0)	ND(6.0)	Off	
MW-187C(298)	09/27/2018	170	Hydrasleeve	n/a	298	n/a	ND(1)	0.2 J	0.9 J	ND(1)	74	4	25	ND(1)	ND(5)	Off	
	10/16/2018	170	Hydrasleeve	n/a	298	n/a	ND(1)	0.2 J	0.9 J	ND(1)	63	3	19 J	ND(1)	ND(5)	Off	
	04/28/2022	170	Hydrasleeve	n/a	298	n/a	ND(1.0)	0.32 J	1.3	ND(1.0)	41	1.3 J	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	170	Hydrasleeve	n/a	298	n/a	ND(1.0)	0.75 J	4.2	ND(1.0)	190	4.3 J	46 J	ND(1.0)	ND(6.0)	Off	
	07/20/2022	170	Hydrasleeve	n/a	298	n/a	ND(1.0)	0.80 J	NA	ND(1.0)	100	ND(5.0)	14 J cn	ND(1.0)	ND(6.0)	Off	
	08/29/2022	170	Hydrasleeve	n/a	298	n/a	2.1 J	1.4 J	NA	ND(5.0)	200	7.7 J	ND(250)	ND(5.0)	ND(30)	Off	
	09/20/2022	170	Hydrasleeve	n/a	298	n/a	0.54 J	0.71 J	NA	ND(1.0)	100	4.2 J	24 J	ND(1.0)	ND(6.0)	Off	
PW-3501	03/15/2021	n/a	n/a	3 Volume Purge/Grab	n/a	225	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/08/2021	n/a	n/a	3 Volume Purge/Grab	n/a	225	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/21/2021	n/a	n/a	3 Volume Purge/Grab	n/a	225	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	12/30/2021	n/a	n/a	3 Volume Purge/Grab	n/a	225	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	02/11/2022	n/a	n/a	3 Volume Purge/Grab	n/a	225	ND(1.0)	NA	NA	ND(1.0)	ND(1.0)	NA	NA	ND(1.0)	ND(6.0)		
	03/28/2022	n/a	n/a	3 Volume Purge/Grab	n/a	225	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		subsequent rebound samples by HS (225 + 423)
	10/27/2022	n/a	n/a	3 Volume Purge/Grab	n/a	225	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/16/2022	n/a	n/a	3 Volume Purge/Grab	n/a	225	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	ND(0.50)	ND(0.50)		
PW-3501(225)	04/28/2022	n/a	n/a	hydrasleeve	n/a	225	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	n/a	n/a	hydrasleeve	n/a	225	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/07/2022	n/a	n/a	hydrasleeve	n/a	225	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/20/2022	n/a	n/a	hydrasleeve	n/a	225	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/19/2022	n/a	n/a	hydrasleeve	n/a	225	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)		
	08/26/2022	n/a	n/a	hydrasleeve	n/a	225	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/21/2022	n/a	n/a	hydrasleeve	n/a	225	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/09/2022	n/a	n/a	hydrasleeve	n/a	225	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	ND(0.50)	ND(0.50)		
PW-3501(423)	04/28/2022	n/a	n/a	hydrasleeve	n/a	423	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	n/a	n/a	hydrasleeve	n/a	423	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/07/2022	n/a	n/a	hydrasleeve	n/a	423	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/20/2022	n/a	n/a	hydrasleeve	n/a	423	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/19/2022	n/a	n/a	hydrasleeve	n/a	423	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)		
	08/26/2022	n/a	n/a	hydrasleeve	n/a	423	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/21/2022	n/a	n/a	hydrasleeve	n/a	423	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/09/2022	n/a	n/a	hydrasleeve	n/a	423	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	ND(0.50)	ND(0.50)		

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
SVE-1	01/07/2019	62	RW grab sample	n/a	62	n/a	ND(1)	0.5 J	0.7 J	ND(1)	4	ND(1)	ND(25)	ND(1)	ND(5)	On	
	02/25/2019	62	RW grab sample	n/a	62	n/a	5	3	6	ND(1)	350	16	51	0.4 J	2 J	On	
	03/13/2019	62	RW grab sample	n/a	62	n/a	3	3	5	0.5 J	310	19	45	2	3 J	On	
	03/18/2019	62	RW grab sample	n/a	62	n/a	ND(1)	0.6 J	0.9 J	ND(1)	56	2	17 J	ND(1)	ND(5)	On	
	04/11/2019	62	RW grab sample	n/a	62	n/a	ND(1)	0.7 J	1	ND(1)	10	ND(1)	ND(25)	ND(1)	ND(5)	On	
	09/05/2019	62	RW grab sample	n/a	62	n/a	ND(1)	0.3 J	0.6 J	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(5)	On	
	10/11/2019	62	RW grab sample	n/a	62	n/a	ND(1)	0.4 J	0.7 J	ND(1)	0.9 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	03/02/2020	62	RW grab sample	n/a	62	n/a	ND(1)	0.9 J	1	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)	On	
	04/07/2020	62	RW grab sample	n/a	62	n/a	ND(1)	0.7 J	1	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)	On	
	08/11/2020	62	RW grab sample	n/a	62	n/a	1.4	1.4	2.2	ND(1.0)	140	8.6	54	0.47 J	ND(6.0)	On	
	11/06/2020	62	RW grab sample	n/a	62	n/a	6.1	1.2	ND(1.0)	5.6	170	13	56	7.8	16	On	
	01/14/2021	62	RW grab sample	n/a	62	n/a	ND(1.0)	ND(1.0)	0.25 J	ND(1.0)	7.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/16/2021	62	RW grab sample	n/a	62	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	07/08/2021	62	RW grab sample	n/a	62	n/a	29	2.1	3.9	26	320	32	120	52	87	On	
	10/11/2021	62	RW grab sample	n/a	62	n/a	9.3	1.5	2.5	11 F1	180	17	84	19	43	On	
	02/02/2022	62	RW grab sample	n/a	62	n/a	1.6	1.6	2.7	1.9	110	9.7	130	0.88 J	2.8 J	On	
	03/28/2022	62	3 Volume Purge/Grab	n/a	62	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	04/27/2022	62	3 Volume Purge/Grab	n/a	62	n/a	9.9 cn	1.6 cn	3.2 cn	5.5 cn	61 cn	5.2 cn	440 cn	0.78 J cn	2.2 J cn	Off	
	05/23/2022	62	3 Volume Purge/Grab	n/a	62	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.33 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/07/2022	62	RW grab sample	n/a	62	n/a	ND(1.0)	0.32 J	0.44 J	ND(1.0)	3.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	06/20/2022	62	3 Volume Purge/Grab	n/a	62	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/18/2022	62	3 Volume Purge/Grab	n/a	62	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	08/25/2022	62	3 Volume Purge/Grab	n/a	62	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.63 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/19/2022	62	3 Volume Purge/Grab	n/a	62	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	4.7	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	10/19/2022	62	3 Volume Purge/Grab	n/a	62	n/a	0.43 J	0.26 J	0.49 J	0.43 J	7.3	ND(5.0)	82	ND(1.0)	ND(6.0)	Off	
	12/09/2022	62	3 Volume Purge/Grab	n/a	62	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.2	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	02/07/2023	62	3 Volume Purge/Grab	n/a	62	n/a	ND(1.0)	ND(1.0)	0.37 J	ND(1.0)	18	0.96 J	ND(50)	ND(1.0)	ND(1.0)		
SVE-3	01/07/2019	61	RW grab sample	n/a	61	n/a	ND(1)	0.9 J	2	ND(1)	7	ND(1)	ND(25)	ND(1)	ND(5)	On	
	02/01/2019	61	RW grab sample	n/a	61	n/a	ND(1)	1	1	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(5)	On	
	03/13/2019	61	RW grab sample	n/a	61	n/a	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)	On	
	03/18/2019	61	RW grab sample	n/a	61	n/a	ND(1)	ND(1)	0.2 J	ND(1)	8	ND(1)	ND(25)	ND(1)	ND(5)	On	
	04/22/2019	61	RW grab sample	n/a	61	n/a	5	0.9 J	2	0.3 J	48	7	10 J	19	15	On	
	06/26/2019	61	RW grab sample	n/a	61	n/a	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)	On	
	09/05/2019	61	RW grab sample	n/a	61	n/a	ND(1)	ND(1)	ND(1)	ND(1)	2	0.3 J	120	ND(1)	ND(5)	On	
	10/15/2019	61	RW grab sample	n/a	61	n/a	11	2	3	ND(1)	140	33	37	20	220	On	
	11/06/2019	61	RW grab sample	n/a	61	n/a	ND(1)	1	2	ND(1)	60	12	ND(25)	ND(1)	ND(3)	On	
	12/06/2019	61	RW grab sample	n/a	61	n/a	ND(1)	0.6 J	1	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)	On	
	03/02/2020	61	RW grab sample	n/a	61	n/a	ND(1)	0.3 J	0.7 J	ND(1)	0.9 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	04/07/2020	61	RW grab sample	n/a	61	n/a	ND(1)	0.3 J	0.5 J	ND(1)	0.5 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	08/11/2020	61	RW grab sample	n/a	61	n/a	ND(1.0)	0.37 J	0.65 J	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/06/2020	61	RW grab sample	n/a	61	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/14/2021	61	RW grab sample	n/a	61	n/a	0.30 J	ND(1.0)	ND(1.0)	ND(1.0)	0.40 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/16/2021	61	RW grab sample	n/a	61	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.60 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	07/08/2021	61	RW grab sample	n/a	61	n/a	ND(1.0)	ND(1.0)	0.42 J	ND(1.0)	1.2	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	12/07/2021	61	RW grab sample	n/a	61	n/a	0.48 J	0.27 J	0.55 J	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	02/02/2022	61	RW grab sample	n/a	61	n/a	ND(1.0)	0.33 J	0.61 J	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	03/28/2022	61	3 Volume Purge/Grab	n/a	61	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	4/26/2022	61	3 Volume Purge/Grab	n/a	61	n/a	ND(1.0)	0.29 J	ND(1.0)	ND(1.0)	4.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	5/23/2022	61	3 Volume Purge/Grab	n/a	61	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	6/6/2022	61	RW grab sample	n/a	61	n/a	ND(1.0)	0.43 J	ND(1.0)	ND(1.0)	15	ND(5.0)	31 J	ND(1.0)	ND(6.0)	On	
	6/20/2022	61	3 Volume Purge/Grab	n/a	61	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	7/18/2022	61	3 Volume Purge/Grab	n/a	61	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	8/25/2022	61	3 Volume Purge/Grab	n/a	61	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	9/19/2022	61	3 Volume Purge/Grab	n/a	61	n/a	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	10/17/2022	61	3 Volume Purge/Grab	n/a	61	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/9/2022	61	3 Volume Purge/Grab	n/a	61	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	3/21/2023	61	3 Volume Purge/Grab	n/a	61	n/a	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		

Kleinfelder
1745 Dorsey Road Suite J Hanover MD

TABLE 1

Phase 2 Cycling Groundwater Analytical Data

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through May 2023

LocationID	Sample Date	Pump Depth (RWs)	Sample Method (RWs)	Sample Method (Proximal Wells)	Sample Depth (RWs)	Sample Depth (Proximal Wells)	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments

Notes:

[R]	Groundwater Recovery Well
F1	MS and/or MSD recovery exceeds control limits.
J	Indicates an estimated value
NA	Not analyzed
ND(5.0)	Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NS	Not sampled

results for Phase 2 cycling RWs and proximal wells

Kleinfelder
1745 Dorsey Road Suite J Hanover MD

TABLE 2

Phase 2 Cycling Groundwater Gauging Data
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 3, 2019 through May 22, 2023

Sample ID	Date	Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Comments
MW-38C [R]	01/09/2019	595.49	80.21	ND	ND	515.28	
	02/28/2019	595.49	80.25	ND	ND	515.24	
	03/19/2019	595.49	147.83	ND	ND	447.66	
	04/09/2019	595.49	148.92	ND	ND	446.57	
	06/25/2019	595.49	147.74	ND	ND	447.75	
	07/30/2019	595.49	148.11	ND	ND	447.38	
	10/18/2019	595.49	148.87	ND	ND	446.62	
	02/19/2020	595.49	148.33	ND	ND	447.16	
	06/23/2020	595.49	148.61	ND	ND	446.88	
	08/12/2020	595.49	148.51	ND	ND	446.98	
	11/03/2020	595.49	148.62	ND	ND	446.87	
	01/15/2021	595.49	148.33	ND	ND	447.16	
	04/14/2021	595.49	148.22	ND	ND	447.27	
	09/22/2021	595.49	148.17	ND	ND	447.32	
	12/14/2021	595.49	147.95	ND	ND	447.54	
	12/30/2021	595.49	147.87	ND	ND	447.62	
	02/24/2022	595.49	147.34	ND	ND	448.15	
	03/29/2022	595.49	125.91	ND	ND	469.58	
	04/28/2022	595.49	99.97	ND	ND	495.52	
	05/24/2022	595.49	81.88	ND	ND	513.61	
	06/07/2022	595.49	148.22	ND	ND	447.27	
	09/21/2022	595.49	149.03	ND	ND	446.46	
	10/27/2022	595.49	56.80	ND	ND	538.69	
	11/17/2022	595.49	57.12	ND	ND	538.37	
	12/06/2022	595.49	58.04	ND	ND	537.45	
	01/10/2023	595.49	59.04	ND	ND	536.45	
	03/20/2023	595.49	NM	NM	NM	NM	Not Measured
	04/24/2023	595.49	NM	NM	NM	NM	Not Measured
	05/22/2023	595.49	NM	NM	NM	NM	Not Measured
MW-38C(HS-D)	06/22/2022	NSVD	131.53	ND	ND	NSVD	

TABLE 2

Phase 2 Cycling Groundwater Gauging Data
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 3, 2019 through May 22, 2023

Sample ID	Date	Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Comments
MW-54B	01/16/2019	597.55	100.89	ND	ND	496.66	
	02/05/2019	597.55	95.31	ND	ND	502.24	
	02/11/2019	597.55	47.00	ND	ND	550.55	
	03/19/2019	597.55	114.37	ND	ND	483.18	
	04/11/2019	597.55	114.30	ND	ND	483.25	
	07/31/2019	597.55	114.37	ND	ND	483.18	
	10/21/2019	597.55	113.74	ND	ND	483.81	
	11/06/2019	597.55	115.00	ND	ND	482.55	
	03/04/2020	597.55	114.38	ND	ND	483.17	
	05/11/2020	597.55	114.38	ND	ND	483.17	
	06/23/2020	597.55	114.07	ND	ND	483.48	
	09/09/2020	597.55	114.35	ND	ND	483.20	
	01/15/2021	597.55	114.23	ND	ND	483.32	
	04/14/2021	597.55	114.19	ND	ND	483.36	
	07/14/2021	597.55	113.99	ND	ND	483.56	
	12/14/2021	597.55	109.31	ND	ND	488.24	
	12/30/2021	597.55	45.88	ND	ND	551.67	
	03/11/2022	597.55	42.85	ND	ND	554.70	
	06/23/2022	597.55	40.42	ND	ND	557.13	
	08/29/2022	597.55	39.55	ND	ND	558.00	
	10/27/2022	597.55	41.90	ND	ND	555.65	
	11/17/2022	597.55	44.53	ND	ND	553.02	
	12/06/2022	597.55	44.45	ND	ND	553.10	
	01/09/2023	597.55	46.21	ND	ND	551.34	
	03/20/2023	597.55	NM	NM	NM	NM	Not Measured
	04/24/2023	597.55	NM	NM	NM	NM	Not Measured
	05/22/2023	597.55	NM	NM	NM	NM	Not Measured
MW-54C	01/04/2019	596.53	17.21	ND	ND	579.32	
	02/07/2019	596.53	27.12	ND	ND	569.41	
	03/19/2019	596.53	29.84	ND	ND	566.69	
	04/05/2019	596.53	29.57	ND	ND	566.96	
	06/26/2019	596.53	29.67	ND	ND	566.86	

TABLE 2

Phase 2 Cycling Groundwater Gauging Data
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 3, 2019 through May 22, 2023

Sample ID	Date	Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Comments
MW-54C	07/18/2019	596.53	30.02	ND	ND	566.51	
	11/25/2019	596.53	49.65	ND	ND	546.88	
	06/24/2020	596.53	49.42	ND	ND	547.11	
	09/09/2020	596.53	49.37	ND	ND	547.16	
	02/12/2021	596.53	48.99	ND	ND	547.54	
	12/07/2021	596.53	49.14	ND	ND	547.39	
	03/17/2022	596.53	49.62	ND	ND	546.91	
	03/29/2022	596.53	63.18	ND	ND	533.35	
	05/26/2022	596.53	45.31	ND	ND	551.22	
	06/07/2022	596.53	47.19	ND	ND	549.34	
	08/29/2022	596.53	47.48	ND	ND	549.05	
	09/19/2022	596.53	45.13	ND	ND	551.40	
	11/17/2022	596.53	50.93	ND	ND	545.60	
	12/06/2022	596.53	55.16	ND	ND	541.37	
MW-54C(HS-S)	04/28/2022	NSVD	54.59	ND	ND	NSVD	
	03/20/2023	NSVD	57.73	ND	ND	NSVD	
	04/24/2023	NSVD	54.14	ND	ND	NSVD	
	05/22/2023	NSVD	52.31	ND	ND	NSVD	
MW-54C(HS-D)	04/28/2022	NSVD	54.59	ND	ND	NSVD	
	06/21/2022	NSVD	49.83	ND	ND	NSVD	
	12/21/2022	NSVD	56.07	ND	ND	NSVD	
	03/20/2023	NSVD	NM	NM	NM	NM	Not Measured
	04/24/2023	NSVD	NM	NM	NM	NM	Not Measured
	05/22/2023	NSVD	52.31	ND	ND	NSVD	
MW-178C [R]	02/11/2019	592.58	196.00	ND	ND	396.58	
	03/14/2019	592.58	199.76	ND	ND	392.82	
	04/12/2019	592.58	198.49	ND	ND	394.09	
	07/29/2019	592.58	178.96	ND	ND	413.62	
	09/06/2019	592.58	198.59	ND	ND	393.99	
	10/14/2019	592.58	198.47	ND	ND	394.11	
	11/05/2019	592.58	199.49	ND	ND	393.09	
	01/02/2020	592.58	198.31	ND	ND	394.27	

TABLE 2

Phase 2 Cycling Groundwater Gauging Data
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 3, 2019 through May 22, 2023

Sample ID	Date	Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Comments
MW-178C [R]	04/15/2020	592.58	198.34	ND	ND	394.24	
	08/12/2020	592.58	198.67	ND	ND	393.91	
	11/03/2020	592.58	198.39	ND	ND	394.19	
	01/18/2021	592.58	198.43	ND	ND	394.15	
	04/08/2021	592.58	198.47	ND	ND	394.11	
	09/21/2021	592.58	198.39	ND	ND	394.19	
	12/13/2021	592.58	198.27	ND	ND	394.31	
	02/01/2022	592.58	198.13	ND	ND	394.45	
	03/28/2022	592.58	55.86	ND	ND	536.72	
	04/27/2022	592.58	50.31	ND	ND	542.27	
	05/24/2022	592.58	48.22	ND	ND	544.36	
	06/06/2022	592.58	198.36	ND	ND	394.22	
	08/30/2022	592.58	47.30	ND	ND	545.28	
	09/19/2022	592.58	48.20	ND	ND	544.38	
	10/20/2022	592.58	46.30	ND	ND	546.28	
	12/05/2022	592.58	60.06	ND	ND	532.52	
	01/09/2023	592.58	NM	NM	NM	NM	Not Measured
	03/20/2023	592.58	49.24	ND	ND	543.34	
	04/24/2023	592.58	48.58	ND	ND	544.00	
	05/22/2023	592.58	47.97	ND	ND	544.61	
MW-187A [R]	02/06/2019	595.60	46.99	ND	ND	548.61	
	03/11/2019	595.60	45.43	ND	ND	550.17	
	04/11/2019	595.60	54.67	ND	ND	540.93	
	06/11/2019	595.60	54.87	ND	ND	540.73	
	07/10/2019	595.60	54.17	ND	ND	541.43	
	09/13/2019	595.60	54.35	ND	ND	541.25	
	10/09/2019	595.60	52.32	ND	ND	543.28	
	11/06/2019	595.60	52.22	ND	ND	543.38	
	12/18/2019	595.60	52.20	ND	ND	543.40	
	02/17/2020	595.60	52.55	ND	ND	543.05	
	06/16/2020	595.60	52.39	ND	ND	543.21	
	07/16/2020	595.60	52.45	ND	ND	543.15	

TABLE 2

Phase 2 Cycling Groundwater Gauging Data
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 3, 2019 through May 22, 2023

Sample ID	Date	Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Comments
MW-187A [R]	07/30/2020	595.60	52.41	ND	ND	543.19	
	09/18/2020	595.60	52.44	ND	ND	543.16	
	10/20/2020	595.60	52.56	ND	ND	543.04	
	01/13/2021	595.60	52.63	ND	ND	542.97	
	04/05/2021	595.60	52.71	ND	ND	542.89	
	09/30/2021	595.60	57.63	ND	ND	537.97	
	10/25/2021	595.60	54.71	ND	ND	540.89	
	03/29/2022	595.60	37.44	ND	ND	558.16	
	05/23/2022	595.60	36.46	ND	ND	559.14	
	06/06/2022	595.60	53.79	ND	ND	541.81	
	06/24/2022	595.60	36.12	ND	ND	559.48	
	09/20/2022	595.60	35.65	ND	ND	559.95	
	10/19/2022	595.60	50.20	ND	ND	545.40	
	12/05/2022	595.60	38.07	ND	ND	557.53	
	01/09/2023	595.60	NM	NM	NM	NM	Not Measured
	03/20/2023	595.60	NM	NM	NM	NM	Not Measured
	04/24/2023	595.60	NM	NM	NM	NM	Not Measured
	05/22/2023	595.60	37.90	ND	ND	557.70	
MW-187B [R]	01/03/2019	597.05	91.52	ND	ND	505.53	
	01/18/2019	597.05	91.62	ND	ND	505.43	
	02/06/2019	597.05	91.15	ND	ND	505.90	
	03/11/2019	597.05	92.45	ND	ND	504.60	
	04/11/2019	597.05	91.44	ND	ND	505.61	
	06/11/2019	597.05	92.50	ND	ND	504.55	
	07/10/2019	597.05	92.47	ND	ND	504.58	
	09/13/2019	597.05	91.47	ND	ND	505.58	
	10/09/2019	597.05	92.83	ND	ND	504.22	
	11/06/2019	597.05	91.80	ND	ND	505.25	
	12/18/2019	597.05	91.25	ND	ND	505.80	
	02/17/2020	597.05	92.24	ND	ND	504.81	
	06/16/2020	597.05	92.57	ND	ND	504.48	
	07/16/2020	597.05	92.67	ND	ND	504.38	

TABLE 2

Phase 2 Cycling Groundwater Gauging Data
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 3, 2019 through May 22, 2023

Sample ID	Date	Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Comments
MW-187B [R]	08/26/2020	597.05	92.63	ND	ND	504.42	
	01/13/2021	597.05	92.71	ND	ND	504.34	
	04/05/2021	597.05	92.68	ND	ND	504.37	
	09/30/2021	597.05	92.59	ND	ND	504.46	
	10/25/2021	597.05	91.25	ND	ND	505.80	
	03/11/2022	597.05	42.62	ND	ND	554.43	
	03/29/2022	597.05	41.25	ND	ND	555.80	
	04/29/2022	597.05	40.29	ND	ND	556.76	
	05/23/2022	597.05	39.79	ND	ND	557.26	
	06/06/2022	597.05	91.12	ND	ND	505.93	
	06/24/2022	597.05	40.70	ND	ND	556.35	
	09/20/2022	597.05	38.03	ND	ND	559.02	
	10/19/2022	NSVD	40.80	ND	ND	NSVD	
	12/05/2022	597.05	35.89	ND	ND	561.16	
	01/09/2023	597.05	NM	NM	NM	NM	Not Measured
	03/20/2023	597.05	NM	NM	NM	NM	Not Measured
	04/24/2023	597.05	NM	NM	NM	NM	Not Measured
	05/22/2023	597.05	31.20	ND	ND	565.85	
MW-187C [R]	01/18/2019	NSVD	146.78	ND	ND	NSVD	
	02/06/2019	NSVD	149.42	ND	ND	NSVD	
	03/11/2019	NSVD	149.46	ND	ND	NSVD	
	04/11/2019	595.53	148.93	ND	ND	446.60	
	06/11/2019	595.53	149.63	ND	ND	445.90	
	07/10/2019	595.53	154.31	ND	ND	441.22	
	09/13/2019	595.53	148.32	ND	ND	447.21	
	10/09/2019	595.53	148.72	ND	ND	446.81	
	11/06/2019	595.53	169.25	ND	ND	426.28	
	12/18/2019	595.53	199.30	ND	ND	396.23	
	02/17/2020	595.53	169.29	ND	ND	426.24	
	06/16/2020	595.53	169.19	ND	ND	426.34	
	07/16/2020	595.53	169.82	ND	ND	425.71	
	08/26/2020	595.53	169.87	ND	ND	425.66	

TABLE 2

Phase 2 Cycling Groundwater Gauging Data
Inactive Exxon Facility #28077
14528 Jarrettsville Pike
Phoenix, Maryland

January 3, 2019 through May 22, 2023

Sample ID	Date	Top of Casing Elevation	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Comments
MW-187C [R]	04/05/2021	595.53	169.84	ND	ND	425.69	
	09/30/2021	595.53	169.78	ND	ND	425.75	
	10/25/2021	595.53	168.59	ND	ND	426.94	
	02/02/2022	595.53	168.26	ND	ND	427.27	
	03/29/2022	595.53	118.03	ND	ND	477.50	
	05/23/2022	595.53	56.99	ND	ND	538.54	
	05/25/2022	595.53	56.41	ND	ND	539.12	
	06/07/2022	595.53	168.32	ND	ND	427.21	
	08/29/2022	595.53	54.45	ND	ND	541.08	
	09/20/2022	595.53	54.89	ND	ND	540.64	
	10/19/2022	595.53	49.75	ND	ND	545.78	
	12/06/2022	595.53	81.12	ND	ND	514.41	
	01/09/2023	595.53	NM	NM	NM	NM	Not Measured
	03/20/2023	595.53	NM	NM	NM	NM	Not Measured
	04/24/2023	595.53	NM	NM	NM	NM	Not Measured
	05/22/2023	595.53	NM	NM	NM	NM	Not Measured
MW-187C(211)	04/28/2022	NSVD	72.78	ND	ND	NSVD	
MW-187C(291)	04/28/2022	NSVD	72.78	ND	ND	NSVD	

Notes:
[R] - Indicates the well was used for remediation at the time of reporting.
GW - Groundwater
LPH - Liquid-phase hydrocarbon
N/A - Not applicable
ND - Not detected
NM - Not measured
NSVD - Not surveyed to vertical datum

Table 3 - Private Supply Well Analytical Table - Five Quarters

Inactive Exxon Facility #28077
14258 Jarrettsville Pike
Phoenix, MD

Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency
M35P356L24	3503 Hampshire Glen Court	3/10/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L24	3503 Hampshire Glen Court	6/20/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L24	3503 Hampshire Glen Court	9/26/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L24	3503 Hampshire Glen Court	1/9/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L24	3503 Hampshire Glen Court	4/5/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L24	3503 Hampshire Glen Court	6/29/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L03	3504 Hampshire Glen Court	3/30/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L03	3504 Hampshire Glen Court	6/21/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L03	3504 Hampshire Glen Court	9/26/2022		0.12 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L03	3504 Hampshire Glen Court	1/9/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L03	3504 Hampshire Glen Court	4/7/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L03	3504 Hampshire Glen Court	6/23/2023		0.14 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L23	3505 Hampshire Glen Court	3/10/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L04	3506 Hampshire Glen Court	3/3/2022		0.14 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L04	3506 Hampshire Glen Court	6/21/2022		0.13 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L04	3506 Hampshire Glen Court	9/26/2022		0.32 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L04	3506 Hampshire Glen Court	1/3/2023		0.20 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L05	3508 Hampshire Glen Court	6/20/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L05	3508 Hampshire Glen Court	9/26/2022		ND(0.50) U cn	ND(0.50) U cn	0.19 J cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M35P356L05	3508 Hampshire Glen Court	1/10/2023		ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M35P356L05	3508 Hampshire Glen Court	4/5/2023	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L05	3508 Hampshire Glen Court	4/5/2023	PI	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L05	3508 Hampshire Glen Court	4/5/2023	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P278L02H	3510 Hampshire Glen Court	3/10/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P278L02H	3510 Hampshire Glen Court	1/3/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P278L02H	3510 Hampshire Glen Court	6/29/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L06	3600 Hampshire Glen Court	3/7/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L06	3600 Hampshire Glen Court	1/3/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L06	3600 Hampshire Glen Court	6/23/2023		ND(0.50)	ND(0.50)	0.38 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L11	3606 Hampshire Glen Court	3/7/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L11	3606 Hampshire Glen Court	9/28/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L11	3606 Hampshire Glen Court	1/3/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P356L11	3606 Hampshire Glen Court	6/23/2023		ND(0.50)	0.32 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	20 J	
M35P356L20	14355 Hampshire Knob Drive	3/16/2022		ND(0.50) U cn	ND(0.50) U cn	0.12 J cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	12 J cn	
M35P356L20	14355 Hampshire Knob Drive	1/9/2023		ND(0.50) U cn	ND(0.50) U cn	0.15 J cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	57 cn	
M35P356L20	14355 Hampshire Knob Drive	6/23/2023		ND(0.50) U cn	ND(0.50) U cn	0.17 J cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	25 cn	
M35P210LNA	14232 Jarrettsville Pike	3/7/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P210LNA	14232 Jarrettsville Pike	9/28/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	

Table 3 - Private Supply Well Analytical Table - Five Quarters

Inactive Exxon Facility #28077
14258 Jarrettsville Pike
Phoenix, MD

Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency
M35P210LNA	14232 Jarrettsville Pike	6/19/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P182LNA01	14240 Jarrettsville Pike	3/7/2022		0.31 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P182LNA01	14240 Jarrettsville Pike	9/28/2022		0.32 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P182LNA01	14240 Jarrettsville Pike	6/19/2023		0.23 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P183LNA	14242 Jarrettsville Pike	3/2/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P183LNA	14242 Jarrettsville Pike	6/21/2022		0.13 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P183LNA	14242 Jarrettsville Pike	9/21/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P183LNA	14242 Jarrettsville Pike	1/3/2023		ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M35P183LNA	14242 Jarrettsville Pike	4/5/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P183LNA	14242 Jarrettsville Pike	6/20/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P217LNA	14243 Jarrettsville Pike	3/7/2022	PIO	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P217LNA	14243 Jarrettsville Pike	9/28/2022	PIO	ND(0.50)	ND(0.50)	0.12 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P217LNA	14243 Jarrettsville Pike	6/19/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P185LNA	14258 Jarrettsville Pike	2/25/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P185LNA	14258 Jarrettsville Pike	6/20/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P185LNA	14258 Jarrettsville Pike	8/1/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P185LNA	14258 Jarrettsville Pike	10/19/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P185LNA	14258 Jarrettsville Pike	1/9/2023		ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M35P185LNA	14258 Jarrettsville Pike	4/5/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P185LNA	14258 Jarrettsville Pike	6/19/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P031LNA	14301 Jarrettsville Pike	2/26/2022		3.2 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M35P031LNA	14301 Jarrettsville Pike	6/21/2022		0.46 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P031LNA	14301 Jarrettsville Pike	9/21/2022	PI	0.41 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P031LNA	14301 Jarrettsville Pike	1/3/2023		0.11 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P031LNA	14301 Jarrettsville Pike	4/5/2023		0.34 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P031LNA	14301 Jarrettsville Pike	6/20/2023		0.14 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P151LNA	14307 Jarrettsville Pike	2/25/2022	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P151LNA	14307 Jarrettsville Pike	2/25/2022	PI	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P151LNA	14307 Jarrettsville Pike	2/25/2022	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P151LNA	14307 Jarrettsville Pike	6/10/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P151LNA	14307 Jarrettsville Pike	9/21/2022		0.13 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P151LNA	14307 Jarrettsville Pike	1/6/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P151LNA	14307 Jarrettsville Pike	4/5/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P151LNA	14307 Jarrettsville Pike	6/19/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P152L01	14315 Jarrettsville Pike	3/3/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P152L01	14315 Jarrettsville Pike	6/21/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P152L01	14315 Jarrettsville Pike	9/26/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P152L01	14315 Jarrettsville Pike	1/3/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	

Table 3 - Private Supply Well Analytical Table - Five Quarters

Inactive Exxon Facility #28077
14258 Jarrettsville Pike
Phoenix, MD

Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency
M35P152L01	14315 Jarrettsville Pike	4/7/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P310L08	3235 Paper Mill Road	3/10/2022		ND(0.50) U cn	ND(0.50) U cn	0.24 J cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	5.0 J cn	
M35P310L08	3235 Paper Mill Road	9/28/2022		ND(0.50)	ND(0.50)	0.12 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P054LNA	3313 Paper Mill Road	1/5/2022		ND(0.50) U cn	ND(0.50) U cn	0.66 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M35P054LNA	3313 Paper Mill Road	6/21/2022		0.42 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P054LNA	3313 Paper Mill Road	9/21/2022		ND(0.50)	ND(0.50)	0.22 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P054LNA	3313 Paper Mill Road	1/10/2023		0.97 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M35P054LNA	3313 Paper Mill Road	4/5/2023		2.6 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M35P054LNA	3313 Paper Mill Road	6/20/2023		1.4 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M35P123LNAP	3320 Paper Mill Road	1/6/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P123LNAP	3320 Paper Mill Road	1/9/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P123LNAP	3320 Paper Mill Road	6/20/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P386LNA	14102 Robcaste Road	3/10/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P386LNA	14102 Robcaste Road	1/6/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P386LNA	14102 Robcaste Road	6/22/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P322L05	14217 Robcaste Road	3/10/2022		1.4 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M35P322L05	14217 Robcaste Road	9/26/2022		1.3 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M35P322L05	14217 Robcaste Road	1/6/2023		1.6 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M35P322L05	14217 Robcaste Road	4/7/2023		0.31 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P322L05	14217 Robcaste Road	6/22/2023		1.5 cn	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P322L02	14223 Robcaste Road	3/2/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P322L02	14223 Robcaste Road	6/20/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P322L02	14223 Robcaste Road	1/6/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P322L02	14223 Robcaste Road	4/7/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P322L02	14223 Robcaste Road	6/22/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P221L01	3605A Southside Avenue	3/24/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P221L01	3605A Southside Avenue	1/9/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P221L01	3605A Southside Avenue	6/29/2023		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P221L02	3605B Southside Avenue	3/10/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P221L02	3605B Southside Avenue	1/9/2023		ND(0.50)	ND(0.50)	0.13 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P221L03	3605C Southside Avenue	1/5/2022		ND(0.50)	0.22 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P221L03	3605C Southside Avenue	3/10/2022		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M35P221L03	3605C Southside Avenue	9/28/2022		ND(0.50)	ND(0.50)	0.20 J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	1/10/2022	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	1/10/2022	PI	37 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.14 J cn	0.46 J cn	1.7 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	1/10/2022	PM2	9.3 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	1/20/2022	PRE	39 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.15 J cn	0.49 J cn	1.4 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	1/24/2022	PRE	37 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.15 J cn	0.52 cn	2.2 cn	ND(25) U cn	

Table 3 - Private Supply Well Analytical Table - Five Quarters

Inactive Exxon Facility #28077
14258 Jarrettsville Pike
Phoenix, MD

Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency
M36P122LNA	3627A Southside Avenue	1/31/2022	POST	14 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.22 J cn	1.0 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	2/7/2022	PRE	33 cn	ND(1.0) U cn	ND(1.0) U cn	ND(1.0) U cn	ND(1.0) U cn	ND(5.0) U cn	ND(1.0) U cn	0.43 J cn	1.8 J cn	ND(50) U cn	
M36P122LNA	3627A Southside Avenue	2/28/2022	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	2/28/2022	PI	20 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.10 J cn	0.32 J cn	1.2 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	2/28/2022	PM	12 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	3/7/2022	PRE	15 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.23 J cn	1.1 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	3/14/2022	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	3/14/2022	PI	45 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.20 J cn	0.63 cn	1.9 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	3/14/2022	PM2	11 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	4/4/2022	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	4/4/2022	PI	11 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.28 J cn	0.28 J cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	4/4/2022	PM2	10 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	5/3/2022	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	5/3/2022	PI	8.7 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.21 J cn	0.35 J cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	5/3/2022	PM	10 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	6/6/2022	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	6/6/2022	PI	1.7 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	6/6/2022	PM	12 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	7/11/2022	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	7/11/2022	PI	14 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.11 J cn	0.32 J cn	0.55 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	7/11/2022	PM	13 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	8/1/2022	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	8/1/2022	PI	11 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.24 J cn	0.54 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	8/1/2022	PM	12 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	9/6/2022	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	9/6/2022	PI	23 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.16 J cn	0.48 J cn	0.65 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	9/6/2022	PM2	14 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	10/17/2022	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	10/17/2022	PI	40 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.19 J cn	0.62 cn	2.1 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	10/17/2022	PM2	11 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	11/11/2022	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	11/11/2022	PI	52	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.27 J	0.85	3.2	7.4 J	
M36P122LNA	3627A Southside Avenue	11/11/2022	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	12/5/2022	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	12/5/2022	PI	22 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.16 J cn	0.46 J cn	1.2 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	12/5/2022	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	1/9/2023	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	1/9/2023	PI	17 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.14 J cn	0.38 J cn	0.73 cn	ND(25) U cn	

Table 3 - Private Supply Well Analytical Table - Five Quarters

Inactive Exxon Facility #28077
14258 Jarrettsville Pike
Phoenix, MD

Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency
M36P122LNA	3627A Southside Avenue	1/9/2023	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	2/6/2023	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	2/6/2023	PI	16 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.39 J cn	0.94 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	2/6/2023	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	3/6/2023	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	3/6/2023	PI	22 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.18 J cn	0.55 cn	1.1 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	3/6/2023	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	4/3/2023	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	4/3/2023	PI	8.2 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.22 J cn	0.53 cn	ND(25) U cn	
M36P122LNA	3627A Southside Avenue	4/3/2023	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	5/8/2023	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	5/8/2023	PI	4.3 cn	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.15 J cn	0.16 J cn	ND(25)	
M36P122LNA	3627A Southside Avenue	5/8/2023	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.11 J cn	ND(25)	
M36P122LNA	3627A Southside Avenue	6/5/2023	PE	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P122LNA	3627A Southside Avenue	6/5/2023	PI	25	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.18 J cn	0.6	0.79	ND(25)	
M36P122LNA	3627A Southside Avenue	6/5/2023	PM	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P226LNA	3635 Southside Avenue	1/10/2022		3.8 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.27 J cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	2/28/2022		4.0 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.23 J cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	3/14/2022		3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	
M36P226LNA	3635 Southside Avenue	4/4/2022		3.8 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.26 J cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	5/3/2022		1.6	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	
M36P226LNA	3635 Southside Avenue	6/6/2022		2.2 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.10 J cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	7/11/2022		1.4 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	8/1/2022		1.6 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.11 J cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	9/6/2022		3.7 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.19 J cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	10/17/2022		4.7 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.22 J cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	11/11/2022		7.6	ND(0.50)	4.7	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.11 J	0.39 J	ND(25)	
M36P226LNA	3635 Southside Avenue	12/5/2022		7.4 cn	ND(0.50) U cn	0.94 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.11 J cn	0.47 J cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	1/9/2023		7.6 cn	ND(0.50) U cn	0.37 J cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.12 J cn	0.40 J cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	2/6/2023		6.8 cn	ND(0.50) U cn	0.12 J cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.49 J cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	3/6/2023		6.5 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.34 J cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	4/3/2023		6.3 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.45 J cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	5/8/2023		6.0 cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.4 J cn	ND(25) U cn	
M36P226LNA	3635 Southside Avenue	6/5/2023		7.1	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	ND(0.50) U cn	0.11 J	0.43 J	ND(25) U cn	

Table 3 - Private Supply Well Analytical Table - Five Quarters

Inactive Exxon Facility #28077
14258 Jarrettsville Pike
Phoenix, MD

Map/Parcel/Lot	Address	Sample Date	POET Sample Point	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	Naph-thalene (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	TBA (µg/L)	Sampling Frequency

Notes

DIPE - di-isopropyl ether
ETBE - ethyl tert butyl ether
J - indicates an estimated value
MTBE - methyl tertiary butyl ether
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
PI - Influent sample location. POET installed by ExxonMobil.
PIO - Influent sample location. POET installed by Others.
PM - Midfluent sample location. POET installed by ExxonMobil.
PMO - Midfluent sample location. POET installed by Others.
PE - Effluent sample location. POET installed by ExxonMobil.
PEO - Effluent sample location. POET installed by Others.
POET - Point of Entry Treatment system
TAME - tert-amyl methyl ether
TBA - tert butyl alcohol
µg/L - micrograms per liter (parts per billion)
NS - No longer sampled
cn - refer to case narrative of lab report

ATTACHMENT 1

MDE CORRESPONDENCE

Jennifer Kozak

From: Mark Schaaf
Sent: Monday, January 9, 2023 4:46 PM
To: 'andrew.miller@maryland.gov'; 'chris.ralston@maryland.gov'; 'ellen.jackson@maryland.gov'
Cc: Leslie Steele; Lee, John J
Subject: Inactive Exxon Facility 28077 / Phoenix, MD: Interim Cycling of Remaining GW Recovery Wells
Attachments: 28077 RW adjustments Jan 2023.pdf; Table 1 Rebound Round 10 1_4.xlsx

Hi Drew.
Again, thanks for providing us time last Thursday to review with the MDE the 2022 cycling assessment results and present the forthcoming workplan action items. We are drafting both a Cycling Assessment Report of Results and Workplan to be submitted to you around the middle of the month. In the interim of preparing/submitting the report and workplan, MDE's review/response, with MDE's approval we would like to further extend the cycling assessment work.

As discussed, we are currently recovering groundwater from two intersection wells (MW-187A and MW-187C) and MW-178C (3501 Hampshire Glen) – see attached figure (yellow and pink circles). As mentioned, we would like to continue the cycling assessment within the reduced area of remaining impacted wells, including the following adjustments:

- add recovery pumps to MW-54B and MW-38C (both on the 14307 Jarrettsville Pike property) (see green circles)
- remove the pump from MW-178C (pink) and convert to an immediate downgradient (from active recovery) monitoring point
- cycle the four RWs ON for one month and OFF for one month twice
- collect monthly groundwater samples from the following wells (listed in progressive downgradient order) - MW-187A, MW-187B, MW-187C, MW-54B, MW-38C, MW-178C; sample other wells are currently directed by MDE
- provide the MDE monthly updates (figure, summary table, analytical reports) via email
- review cycling results by conference call with MDE shortly after the second OFF cycle

Please find attached the cycling assessment Round 10 analytical data summary. Please advise if you'd like additional data, other information, or want to have a call to discuss/review/answer questions, etc.
Again, we would like to make best technical use of time over the next couple months and gather additional meaningful cycling data.

Thanks.

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Hanover, MD 21076
o| 410.689.0785
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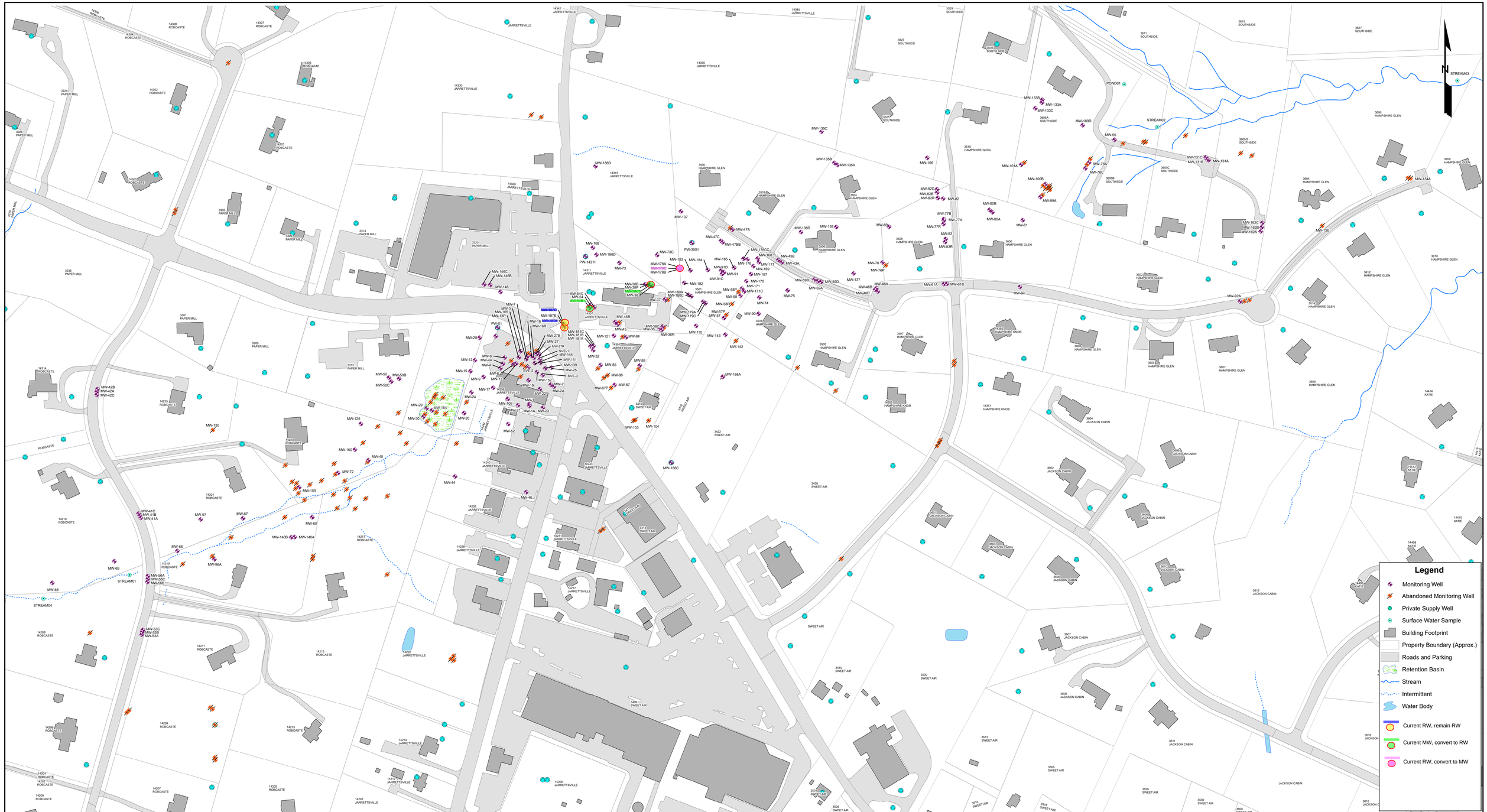

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DRAWN:	1/5/2023
DRAWN BY:	R. Alvarez
CHECKED BY:	C. Low

Recovery Well Adjustments January 2023

INACTIVE EXXON FACILITY #28077
14258 JARRETTSVILLE PIKE
PHOENIX, MARYLAND
BALTIMORE COUNTY

FIGURE 1

TABLE 1

Rebound Test Data - Round 10

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-3 [R]	02/22/2019	1	ND(1)	ND(1)	0.4 J	20	2	ND(25)	0.7 J	0.6 J	On	
	03/18/2019	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(1)	ND(25)	ND(1)	ND(5)	On	
	06/24/2019	ND(1)	ND(1)	ND(1)	86	0.6 J	ND(1)	ND(25)	3	110	On	
	09/27/2019	40	1	2	55	130	13	74	110	150	On	
	12/12/2019	11	0.5 J	0.8 J	11	63	6	40	3	12	On	
	12/13/2019	34	2	3	54	180	14	100	44	73	On	
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(3)	On	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.83 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	08/11/2020	0.38 J	ND(1.0)	ND(1.0)	ND(1.0)	1.2	ND(5.0)	ND(50)	0.25 J	ND(6.0)	On	
	11/05/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/14/2021	1.4	0.94 J	1.8	3.5	69	5.9	95	2.2	6.1	On	
	04/16/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	09/23/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	12/08/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.43 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	02/02/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	03/28/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.93 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	04/26/2022	0.52 J	ND(1.0)	ND(1.0)	ND(1.0)	16	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/23/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/06/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	06/20/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.58 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/18/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	08/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/19/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	10/19/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.62 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/09/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
MW-7	02/22/2019	2	0.3 J	0.6 J	11	39	4	16 J	16	49		
	04/08/2019	ND(1)	ND(1)	ND(1)	0.5 J	3	0.4 J	ND(25)	0.5 J	5 J		
	09/05/2019	ND(1)	ND(1)	ND(1)	ND(1)	7	0.8 J	ND(25)	0.3 J	1 J		
	12/13/2019	ND(1)	ND(1)	ND(1)	ND(1)	5	0.4 J	ND(25)	ND(1)	ND(3)		
	03/02/2020	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(1)	ND(25)	ND(1)	ND(3)		
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/19/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/18/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	10/20/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	01/19/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/07/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/08/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	07/14/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	08/19/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/27/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/08/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	02/09/2022	ND(1.0)	NA	NA	ND(1.0)	ND(1.0)	NA	NA	ND(1.0)	ND(6.0)		
	03/28/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		

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TABLE 1

Rebound Test Data - Round 10

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-7	04/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	6.9	0.25 J	ND(5.0)	ND(50)	ND(1.0)	5.9 J		
	05/23/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/06/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/20/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/18/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)		
	08/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/19/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.20 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	10/19/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/09/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-16R [R]	02/25/2019	18	3	6	1 J	470	43	89	2	6	On	
	06/11/2019	17	2	4	2	230	22	ND(25)	2	3 J	On	
	09/05/2019	ND(1)	0.4 J	0.6 J	ND(1)	7	ND(1)	ND(25)	ND(1)	ND(5)	On	
	10/11/2019	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)	On	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(1)	ND(25)	ND(1)	ND(3)	On	
	03/02/2020	ND(1)	0.6 J	1	ND(1)	9	0.4 J	ND(25)	ND(1)	ND(3)	On	
	06/23/2020	ND(1.0)	0.71 J	1.1	ND(1.0)	38	1.6 J	ND(50)	ND(1.0)	ND(6.0)	On	
	08/11/2020	1.4	1.2	2.1	0.46 J	73	5.5	82	ND(1.0)	ND(6.0)	On	
	11/06/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/14/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) F1	2.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/16/2021	0.42 J	0.98 J	1.4	ND(1.0)	42	ND(5.0)	20 J	ND(1.0)	ND(6.0)	On	
	09/23/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.63 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	12/07/2021	ND(1.0)	ND(1.0)	0.29 J	ND(1.0)	3.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	02/02/2022	0.66 J	0.25 J	0.37 J	ND(1.0)	3.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	3/28/2022	ND(1.0)	0.38	0.60	ND(1.0)	6.7	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	4/26/2022	0.63 J	0.28 J	ND(1.0)	ND(1.0)	12	ND(5.0)	46 J	ND(1.0)	ND(6.0)	Off	
	5/23/2022	ND(1.0)	0.22 J	ND(1.0)	ND(1.0)	4.9	ND(5.0)	27 J	ND(1.0)	ND(6.0)	Off	
	6/7/2022	ND(1.0)	0.59 J	1.1	ND(1.0)	13	ND(5.0)	67	ND(1.0)	ND(6.0)	On	
	6/20/2022	ND(1.0)	0.35 J	0.54 J	ND(1.0)	6.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	7/18/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	8/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.22 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	9/19/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	16	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	10/19/2022	0.35 J	ND(1.0)	ND(1.0)	ND(1.0)	35	1.2 J	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/5/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	8.7	ND(5.0)	23 J	ND(1.0)	ND(1.0)	Off	
MW-36 Qtrly	1/17/2019	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(5)		
	2/26/2019	ND(1)	ND(1)	ND(1)	ND(1)	0.8 J	ND(1)	ND(25)	ND(1)	ND(5)		
	8/6/2019	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(5)		
	2/19/2020	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)		
	9/9/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/3/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	2/12/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/1/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.72 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	3/16/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	5/27/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.52 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	8/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		

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TABLE 1

Rebound Test Data - Round 10

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-36C(274.5) Qtrly	1/23/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	2/19/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	9/8/2020	1.6	ND(1.0)	0.20 J	ND(1.0)	11	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	2/12/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/1/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.5	ND(5.0)	ND(50)	ND(1.0)	1.2		
	3/16/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	5/27/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	8/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-36R Qtrly	1/11/2019	ND(1)	ND(1)	ND(1)	ND(1)	0.3 J	ND(1)	ND(25)	ND(1)	ND(5)		
	2/26/2019	ND(1)	ND(1)	ND(1)	ND(1)	1 J	ND(1)	ND(25)	ND(1)	ND(5)		
	3/19/2019	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(5)		
	6/13/2019	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(5)		
	7/18/2019	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(5)		
	10/9/2019	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(1)	ND(25)	ND(1)	ND(3)		
	1/23/2020	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(1)	ND(25)	ND(1)	ND(3)		
	2/19/2020	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(1)	ND(25)	ND(1)	ND(3)		
	9/8/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	2/12/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/1/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.3	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	3/16/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	5/27/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.9	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	8/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.7	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-38C [R] Qtrly	01/09/2019	0.5 J	2	6	ND(1)	120	9	160	ND(1)	ND(5)	On	
	02/28/2019	ND(1)	2	6	ND(1)	100	5	ND(25)	ND(1)	ND(5)	On	
	03/19/2019	0.4 J	1	5	ND(1)	100	5	370	ND(1)	ND(5)	On	
	04/09/2019	ND(1)	0.8 J	3	ND(1)	69	3	ND(25)	ND(1)	ND(5)	On	
	06/25/2019	ND(1)	0.2 J	0.9 J	ND(1)	10	0.5 J	ND(25)	ND(1)	ND(5)	On	
	07/30/2019	ND(1)	ND(1)	0.5 J	ND(1)	6	ND(1)	ND(25)	ND(1)	ND(3)	On	
	10/18/2019	ND(1)	ND(1)	0.6 J	ND(1)	0.9 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	02/19/2020	ND(1)	ND(1)	0.6 J	ND(1)	0.5 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	06/23/2020	ND(1.0)	0.44 J	2	ND(1.0)	44	2.0 J	67	ND(1.0)	ND(6.0)	On	
	08/12/2020	ND(1.0)	0.74 J	3	ND(1.0)	110	5.4	79	ND(1.0)	ND(6.0)	On	
	11/03/2020	ND(1.0)	0.53 J	2.3	ND(1.0)	59	2.7 J	ND(50)	ND(1.0)	ND(6.0)	On	
	01/15/2021	ND(1.0)	0.90 J	3.3	ND(1.0)	88	4.1 J	ND(50)	ND(1.0)	ND(6.0)	On	
	04/14/2021	ND(1.0)	0.61 J	2.5	ND(1.0)	52	1.8 J	ND(50)	ND(1.0)	ND(6.0)	On	
	09/22/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	12/30/2021	ND(1.0)	ND(1.0)	0.31 J	ND(1.0)	5.1	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	02/24/2022	ND(1.0)	0.24 J	1.2	ND(1.0)	1.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	03/29/2022	ND(1.0)	0.97 J	3.6	ND(1.0)	8.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	subsequent rebound samples by HS (210 + 298)
	6/7/2022	ND(1.0)	ND(1.0)	0.49 J	ND(1.0)	16	ND(5.0)	170	ND(1.0)	ND(6.0)	On	
	10/27/2022	1.3	1.2	4.7	ND(1.0)	91	5.1	110	ND(1.0)	ND(6.0)	On	
	11/17/2022	0.95 J	1.2	4.9	ND(1.0)	96	5.1	80	ND(1.0)	ND(6.0)	On	
	12/6/2022	0.82 J	1.4	4.6	ND(1.0)	89	4.3 J	92	ND(1.0)	ND(1.0)	On	

TABLE 1

Rebound Test Data - Round 10

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14528 Jarrettsville Pike

January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-38C(210) Qtrly	06/13/2012	40.6 J	30.8 J	107 J	ND(50)	9210	429	ND(1300)	37.8 J	ND(50)	Off	
	07/18/2012	34.3	22.1 J	93.1	5.7 J	8790	406	183 J	20.3	7.3 J	Off	
	04/28/2022	ND(1.0)	0.25 J	0.89 J	ND(1.0)	5.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/24/2022	1.8	1.2	4.1	ND(1.0)	39	2.0 J	110	ND(1.0)	ND(6.0)	Off	
	06/22/2022	ND(1.0)	0.53 J	2	ND(1.0)	41	2.2 J	59	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	1.4	NA	ND(1.0)	87	4.1 J	100 cn	ND(1.0)	ND(6.0)	Off	
	08/26/2022	0.88 J	0.69 J	2.5	ND(1.0)	51	ND(5.0)	85	ND(1.0)	ND(6.0)	Off	
	09/21/2022	0.40 J	0.22 J	NA	ND(1.0)	19	ND(5.0)	14 J	ND(1.0)	ND(6.0)	Off	
MW-38C(298) Qtrly	06/13/2012	37.7 J	33 J	115 J	115 J	10400	477	ND(1300)	55.1	ND(50)	Off	
	07/18/2012	16.3 J	26 J	116	116	12000	542	147 J	17.2 J	5.8 J	Off	
	04/28/2022	ND(1.0)	ND(1.0)	0.39 J	ND(1.0)	4.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/24/2022	ND(1.0)	ND(1.0)	0.60 J	ND(1.0)	8.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/22/2022	ND(1.0)	0.31 J	1.1	ND(1.0)	25	1.3 J	30 J	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	1.2	NA	ND(1.0)	79	4.1 J	95 cn	ND(1.0)	ND(6.0)	Off	
	08/26/2022	0.39 J	0.47 J	1.7	ND(1.0)	36	ND(5.0)	46 J	ND(1.0)	ND(6.0)	Off	
	09/21/2022	0.56 J	1.3	NA	ND(1.0)	87	4.8 J	98	ND(1.0)	ND(6.0)	Off	
MW-45 [R]	02/11/2019	0.8 J	2	9	ND(1)	540	14	31	ND(1)	ND(5)	On	
	04/04/2019	ND(1)	2	7	ND(1)	350	10	20 J	ND(1)	ND(5)	On	
	05/22/2019	ND(1)	0.3 J	0.8 J	ND(1)	31	2	ND(25)	ND(1)	ND(5)	On	
	07/31/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)	On	
	10/21/2019	ND(1)	2	6	ND(1)	190	6	ND(25)	ND(1)	ND(3)	On	
	11/05/2019	ND(1)	1	4	ND(1)	130	3	ND(25)	ND(1)	ND(3)	On	
	12/12/2019	ND(1)	1	4	ND(1)	160	5	ND(25)	ND(1)	ND(3)	On	
	01/27/2020	ND(1)	1	4	ND(1)	160	5	ND(25)	ND(1)	ND(3)	On	
	03/10/2020	ND(1)	0.7 J	2	ND(1)	30	2	ND(25)	ND(1)	ND(3)	On	
	04/15/2020	ND(1)	0.6 J	2	ND(1)	17	1 J	ND(25)	ND(1)	ND(3)	On	
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.48 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/16/2020	ND(1.0)	0.52 J	1.7	ND(1.0)	37	1.1 J	ND(50)	ND(1.0)	ND(6.0)	On	
	01/15/2021	ND(1.0)	0.80 J	2.5	ND(1.0)	49 F1	1.4 J	ND(50)	ND(1.0)	ND(6.0)	On	
	04/22/2021	ND(1.0)	0.83 J	2	ND(1.0)	39	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	09/22/2021	ND(1.0)	ND(1.0)	0.44 J	ND(1.0)	5	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	12/30/2021	ND(1.0)	0.71 J	2	ND(1.0)	25	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	03/11/2022	ND(1.0)	0.76 J	2.2	ND(1.0)	26	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	03/29/2022	ND(1.0)	0.40 J	0.90 J	ND(1.0)	1.9	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	4/28/2022	ND(1.0)	0.83 J	2.1	ND(1.0)	2.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	5/24/2022	ND(1.0)	0.48 J	1.4	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	6/8/2022	ND(1.0)	0.64 J	1.8	ND(1.0)	18	ND(5.0)	18 J	ND(1.0)	ND(6.0)	On	
	6/21/2022	ND(1.0)	0.52 J	1.4	ND(1.0)	0.94 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	7/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.43 J cn	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	8/25/2022	ND(1.0)	0.37 J	1	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	9/20/2022	ND(1.0)	0.89 J	NA	ND(1.0)	1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/9/2022	ND(1.0)	ND(1.0)	0.77 J	ND(1.0)	8.2	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	

TABLE 1

Rebound Test Data - Round 10

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January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-45R [R]	02/11/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)	On	
	04/05/2019	0.5 J	2	7	ND(1)	330	9	18 J	ND(1)	ND(5)	On	
	05/21/2019	ND(1)	ND(1)	0.5 J	ND(1)	13	0.4 J	ND(25)	ND(1)	ND(5)	On	
	07/31/2019	ND(1)	1	4	ND(1)	250	5	11 J	ND(1)	ND(3)	On	
	11/05/2019	ND(1)	ND(1)	ND(1)	ND(1)	0.2 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	12/12/2019	ND(1)	ND(1)	ND(1)	ND(1)	0.4 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	03/10/2020	ND(1)	0.6 J	2	ND(1)	28	2	ND(25)	ND(1)	ND(3)	On	
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	09/09/2020	ND(1.0)	1	3.2	ND(1.0)	86	2.5 J	ND(50)	ND(1.0)	ND(6.0)	On	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/15/2021	ND(1.0)	0.86 J	2.4	ND(1.0)	48	1.5 J	ND(50)	ND(1.0)	ND(6.0)	On	
	04/22/2021	ND(1.0)	0.85 J	2.4	ND(1.0)	44	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	09/22/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	7.3	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	12/30/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	5.3	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	03/14/2022	0.38 J	0.51 J	0.75 J	ND(1.0)	84	5.2	ND(50)	ND(1.0)	ND(6.0)	On	
	03/30/2022	ND(1.0)	ND(1.0)	0.26 J	ND(1.0)	27	0.86 J	ND(50)	ND(1.0)	ND(6.0)	Off	
	04/28/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/24/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.24 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/08/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.37 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	06/21/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	11	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	1.1 cn	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	ND(1.0)	0.25 J	NA	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/9/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
MW-47C(126) Qtrly	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-47C(138.5) Qtrly	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.9	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-47C(190) Qtrly	05/26/2022	0.36 J	0.26 J	0.57 J	ND(1.0)	15	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/26/2022	ND(1.0)	ND(1.0)	0.32 J	ND(1.0)	7.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-47C(212)	07/05/2019	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(5)		
	07/26/2019	ND(1)	ND(1)	0.2 J	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(5)		
	08/16/2019	ND(1)	ND(1)	0.2 J	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(5)		
	10/21/2019	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)		
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(1)	0.6 J	ND(1)	ND(25)	ND(1)	ND(3)		
	11/07/2019	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)		
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(3)		
	12/09/2019	ND(1)	ND(1)	0.2 J	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)		
	02/14/2020	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)		
	03/11/2020	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)		
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)		
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)		
	04/22/2020	ND(1)	ND(1)	0.2 J	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)		
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)		
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)		

Kleinfelder
1745 Dorsey Road Suite J Hanover MD

TABLE 1

Rebound Test Data - Round 10

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January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-47C(212)	04/27/2020	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)		
	10/05/2020	ND(1.0)	0.22 J	0.35 J	ND(1.0)	2.9	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/30/2021	ND(1.0) cn	ND(1.0) cn	0.43 J cn	ND(1.0) cn	9.2	ND(5.0) cn	ND(50) cn	ND(1.0) cn	ND(1.0) cn		
	03/03/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	9.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	0.34 J	0.27 J	0.47 J	ND(1.0)	14	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	5.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-47C(287)	05/26/2022	0.34 J	0.27 J	0.50 J	ND(1.0)	13	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
Qtrly	08/26/2022	ND(1.0)	ND(1.0)	0.26 J	ND(1.0)	6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-52	02/22/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
Qtrly	07/05/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	07/26/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	09/04/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	10/21/2019	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)		
	11/19/2019	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)		
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(1)	0.9 J	ND(1)	ND(25)	ND(1)	ND(3)		
	10/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.34 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	02/11/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.45 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/07/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.22 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	03/02/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.41 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/27/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-54B	01/16/2019	ND(1)	2	5	ND(1)	110	8	73	ND(1)	ND(5)		
	02/11/2019	ND(1)	1	4	ND(1)	67	5	28	ND(1)	ND(5)		
	02/19/2019	ND(1)	1	4	ND(1)	70	5	26	ND(1)	ND(5)		
	03/19/2019	ND(1)	1	4	ND(1)	32	2	10 J	ND(1)	ND(5)		
	04/11/2019	ND(1)	1	4	ND(1)	19	0.7 J	14 J	ND(1)	ND(5)		
	07/31/2019	ND(1)	0.6 J	2	ND(1)	7	ND(1)	ND(25)	ND(1)	ND(3)		
	10/21/2019	ND(1)	0.4 J	2	ND(1)	9	ND(1)	ND(25)	ND(1)	ND(3)		
	11/05/2019	ND(5)	ND(5)	3 J	ND(5)	8	ND(5)	ND(130)	ND(5)	ND(15)		
	03/09/2020	ND(1)	0.4 J	2	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)		
	06/23/2020	ND(1.0)	ND(1.0)	0.37 J	ND(1.0)	0.43 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/09/2020	ND(1.0)	1.8	5.3	ND(1.0)	3.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/16/2020	ND(1.0)	ND(1.0)	0.97 J	ND(1.0)	2.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	01/15/2021	ND(1.0)	1.2	3	ND(1.0)	1.8	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/14/2021	ND(1.0)	1.2	3.2	ND(1.0)	2.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/23/2022	73	7.1	18	1.9	530	67	510	3.6	27		
	07/14/2021	ND(1.0)	1.3	3.5	ND(1.0)	4.3	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	08/19/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/27/2021	0.75 J	0.95 J	2.4	ND(1.0)	2.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/30/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	03/11/2022	1.4	0.83 J	1.9	ND(1.0)	17	1.6 J	19 J	ND(1.0)	ND(6.0)		
	06/23/2022	73	7.1	18	1.9	530	67	510	3.6	27		
	08/08/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/29/2022	16	2.5	NA	ND(1.0)	160	19	130	0.68 J	5.1 J		
	10/27/2022	27	3.1	8.2	0.71 J	270	30	220	1.3	8.8		

TABLE 1

Rebound Test Data - Round 10

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14528 Jarrettsville Pike

January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-54B	11/17/2022	52	5.2	14	1.6	410	45	380	2	13		
	12/06/2022	31	5	12	1.1	290	35	340	1.2	4.9		
MW-54C Proximal Well	03/29/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.32 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		subsequent rebound samples by HS (210 + 298)
	11/17/22	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/06/22	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-54C(210) Proximal Well	05/15/2012	3640	630 J	2490	553	192,000	12400	2060 J	8370	2440		
	07/18/2012	3240	571 J	2310 J	438 J	155,000	11100	ND(13000)	7260	1910		
	04/28/2022	26	36	140	3.1	75	6.3	7700	1.6	3.7 J		
	05/26/2022	23	32	120	3.2	75	6.3	7600	1	2.9 J		
	06/07/2022	21	29	110	2.5 J	63	ND(25)	8400	ND(5.0)	ND(30)		
	06/21/2022	14	19	72	ND(5.0)	42	4.0 J	4200	ND(5.0)	ND(30)		
	07/20/2022	12	16	NA	1.6	37	ND(5.0)	4700	0.96 J	1.6 J		
	8/29/2022	8.3	7.3	NA	ND(1.0)	17	1.5 J	7100	ND(1.0)	ND(6.0)		
	9/19/2022	15	22	NA	1.4	32	3.0 J	5700	0.60 J	1.7 J		
MW-54C(212.5) Proximal Well	06/26/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	07/18/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	11/25/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	0.3 J	ND(3)		
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	09/09/2020	23	32	130	3.9	5.3	ND(5.0)	7800	2.4	3.0 J		
	02/12/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/07/2021	26	30	110	4.1	75	10	7500	1.3	4.9		
	03/17/2022	23	37	140	2.5	89	7.7	9000	0.52 J	3.3 J		subsequent rebound samples by HS (210 + 298)
MW-54C(298) Proximal Well	5/15/2012	3,390	532 J	2250	545	165,000	11800	1110 J	8040	2340		
	7/18/2012	3,080	569 J	2180 J	381 J	141,000	10700	ND(13000)	6720	1550		
	04/28/2022	40	34	130	ND(1.0)	120	11	7800	ND(1.0)	2.2 J		
	05/26/2022	29	24	93	ND(1.0)	86	7.1	6300	ND(1.0)	1.6 J		
	06/07/2022	5.2	3.0 J	11	ND(5.0)	9.3	ND(25)	720	ND(5.0)	ND(30)		
	06/21/2022	26	23	91	ND(5.0)	77	7.1 J	6900	ND(5.0)	ND(30)		
	07/20/2022	5.3	4.7	NA	ND(1.0)	12	ND(5.0)	1300	ND(1.0)	ND(6.0)		
	8/29/2022	7.9	6.9	NA	ND(1.0)	17	ND(5.0)	7200	ND(1.0)	ND(6.0)		
	9/19/2022	17	21	NA	1.6	22	2.8 J	2800	0.47 J	1.7 J		
MW-54C(HS-D) Proximal Well	01/17/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	02/22/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	03/19/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		subsequent rebound samples by HS (210 + 298)
MW-54C(HS-S) Proximal Well	01/17/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	02/22/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	03/19/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		subsequent rebound samples by HS (210 + 298)

TABLE 1

Rebound Test Data - Round 10

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January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-73C [R]	05/21/2019	ND(1)	1	4	ND(1)	86	5	300	ND(1)	ND(5)	On	
	07/29/2019	ND(1)	1	5	ND(1)	0.6 J	ND(1)	ND(25)	ND(1)	ND(5)	On	
	08/15/2019	ND(1)	NA	NA	ND(1)	1	NA	NA	ND(1)	ND(3)	On	
	09/06/2019	ND(1)	2	9	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(5)	On	
	11/05/2019	ND(1)	3	11	ND(1)	7	ND(1)	ND(25)	ND(1)	ND(3)	On	
	12/20/2019	3	5	16	0.3 J	260	15	740	ND(1)	ND(3)	On	
	03/30/2020	ND(1)	3	12	ND(1)	110	7	600	ND(1)	ND(3)	On	
	06/16/2020	ND(1.0)	3.2	12	ND(1.0)	52	1.6 J	ND(50)	ND(1.0)	ND(6.0)	On	
	06/22/2020	ND(1.0)	3.1	12	ND(1.0)	28	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	09/10/2020	ND(1.0)	2.2	7.9	ND(1.0)	0.80 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/03/2020	ND(1.0)	ND(1.0)	0.60 J	ND(1.0)	2.7	ND(5.0)	13 J	ND(1.0)	ND(6.0)	On	
	11/16/2020	ND(1.0)	ND(1.0)	0.39 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/22/2021	ND(1.0)	0.33 J	1.4	ND(1.0)	1.7	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	07/29/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	12/30/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	02/11/2022	ND(1.0)	NA	NA	ND(1.0)	1.7	NA	NA	ND(1.0)	ND(6.0)	On	
	03/29/2022	ND(1.0)	ND(1.0)	0.38 J	ND(1.0)	3.7	ND(5.0)	15 J	ND(1.0)	ND(6.0)	Off	subsequent rebound samples by HS (210 + 298)
	6/6/2022	ND(1.0)	ND(1.0)	0.80 J	ND(1.0)	1.7	ND(5.0)	85	ND(1.0)	ND(6.0)	On	
MW-73C [R] (210)	04/28/2022	0.31 J	0.65 J	1.9	ND(1.0)	14	ND(5.0)	75	ND(1.0)	ND(6.0)	Off	
	05/24/2022	ND(1.0)	0.30 J	0.66 J	ND(1.0)	6.2	ND(5.0)	28 J	ND(1.0)	ND(6.0)	Off	
	06/22/2022	ND(1.0)	0.34 J	1	ND(1.0)	5.7	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	0.42 J	NA	ND(1.0)	6.3	ND(5.0)	38 J cn	ND(1.0)	ND(6.0)	Off	
	08/26/2022	ND(1.0)	0.41 J	1.3	ND(1.0)	6.6	ND(5.0)	40 J	ND(1.0)	ND(6.0)	Off	
	09/21/2022	ND(1.0)	0.58 J	NA	ND(1.0)	8.5	ND(5.0)	43 J	ND(1.0)	ND(6.0)	Off	
	12/09/2022	ND(1.0)	0.30 J	0.95 J	ND(1.0)	5.1	ND(5.0)	21 J	ND(1.0)	ND(1.0)	Off	
MW-73C [R] (298)	04/28/2022	0.30 J	0.66 J	2	ND(1.0)	15	ND(5.0)	79	ND(1.0)	ND(6.0)	Off	
	05/24/2022	ND(1.0)	0.35 J	1	ND(1.0)	8.5	ND(5.0)	37 J	ND(1.0)	ND(6.0)	Off	
	06/22/2022	ND(1.0)	0.36 J	1	ND(1.0)	5.7	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	0.37 J	NA	ND(1.0)	5.4	ND(5.0)	29 J cn	ND(1.0)	ND(6.0)	Off	
	08/26/2022	ND(1.0)	0.50 J	1.4	ND(1.0)	6.9	ND(5.0)	44 J	ND(1.0)	ND(6.0)	Off	
	09/21/2022	ND(1.0)	0.57 J	NA	ND(1.0)	8.1	ND(5.0)	43 J	ND(1.0)	ND(6.0)	Off	
	12/09/2022	ND(1.0)	0.34 J	1.1	ND(1.0)	6.1	ND(5.0)	27 J	ND(1.0)	ND(1.0)	Off	

Kleinfelder
1745 Dorsey Road Suite J Hanover MD

TABLE 1

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January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-82D Proximal Well	08/15/2019	ND(1)	NA	NA	ND(1)	6	NA	NA	ND(1)	ND(3)		
	09/06/2019	ND(1)	ND(1)	0.3 J	ND(1)	15	0.5 J	ND(25)	ND(1)	ND(5)		
	10/14/2019	ND(1)	ND(1)	ND(1)	ND(1)	10	ND(1)	ND(25)	ND(1)	ND(3)		
	11/05/2019	ND(1)	ND(1)	0.3 J	ND(1)	8	ND(1)	ND(25)	ND(1)	ND(3)		
	01/14/2020	ND(1)	ND(1)	0.4 J	ND(1)	10	ND(1)	ND(25)	ND(1)	ND(3)		
	04/17/2020	ND(1)	ND(1)	ND(1)	ND(1)	17	ND(1)	ND(25)	ND(1)	ND(3)		
	08/12/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/04/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	01/18/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.98 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/15/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.85 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/19/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/27/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/15/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	02/21/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	03/29/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		subsequent rebound samples by HS (250 + 378)
	11/1/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/16/22	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		extra grab check sample
	12/06/22	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-82D(250) Proximal Well	04/28/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.32 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/07/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/21/2022	ND(1.0)	ND(1.0)	0.35 J	ND(1.0)	8.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	1.5 cn	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	8/30/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	5.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-82D(378) Proximal Well	04/28/2022	ND(1.0)	ND(1.0)	0.30 J	ND(1.0)	2.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/07/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.7	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/21/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) F1	3.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0) F1		
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	3.8 cn	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	8/30/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	2.8	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-82D(HS-S) Proximal Well	01/22/2019	ND(1)	ND(1)	ND(1)	ND(1)	8	0.4 J	ND(25)	ND(1)	ND(5)		
	02/25/2019	ND(1)	0.2 J	0.6 J	ND(1)	40	3	ND(25)	ND(1)	ND(5)		
	03/14/2019	ND(1)	ND(1)	ND(1)	ND(1)	6	ND(1)	ND(25)	ND(1)	ND(5)		
	07/14/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	9/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	14	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-82D(HS-M) Proximal Well	01/22/2019	ND(1)	ND(1)	ND(1)	ND(1)	7	0.4 J	ND(25)	ND(1)	ND(5)		
	02/25/2019	0.4 J	0.3 J	1 J	ND(1)	83	6	ND(25)	ND(1)	ND(5)		
	03/14/2019	ND(1)	ND(1)	ND(1)	ND(1)	6	ND(1)	ND(25)	ND(1)	ND(5)		
	07/14/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		

TABLE 1

Rebound Test Data - Round 10

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January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-82D(HS-D) Proximal Well	01/22/2019	ND(1)	ND(1)	ND(1)	ND(1)	7	0.4 J	ND(25)	ND(1)	ND(5)		
	02/25/2019	0.5 J	0.3 J	1	ND(1)	110	8	ND(25)	ND(1)	ND(5)		
	03/14/2019	ND(1)	ND(1)	ND(1)	ND(1)	6	ND(1)	ND(25)	ND(1)	ND(5)		
	07/14/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	9/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	4.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-85 Qtrly	1/16/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	3/12/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	6/17/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	7/30/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	11/27/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	3/9/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	9/9/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	2/11/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/1/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	2/24/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	5/27/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	8/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-87 Qtrly	1/16/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	2/26/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	3/12/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	6/17/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	7/30/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	11/27/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	3/9/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	9/9/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	2/11/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/1/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	2/24/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	5/27/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	8/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-91C Proximal Well	01/08/2019	ND(1)	1	4	ND(1)	10	0.4 J	ND(25)	ND(1)	ND(5)		
	02/22/2019	ND(1)	2	6	ND(1)	16	0.8 J	44	ND(1)	ND(5)		
	03/13/2019	ND(1)	2	7	ND(1)	16	0.7 J	48	ND(1)	ND(5)		
	05/21/2019	ND(1)	1	5	ND(1)	7	ND(1)	ND(25)	ND(1)	ND(5)		
	07/05/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	07/26/2019	ND(1)	0.9 J	2	ND(1)	16	0.3 J	ND(25)	ND(1)	ND(5)		
	08/16/2019	ND(1)	0.2 J	0.6 J	ND(1)	4	ND(1)	ND(25)	ND(1)	ND(5)		
	10/23/2019	ND(1)	ND(1)	0.4 J	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(3)		
	11/04/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	12/09/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		

TABLE 1

Rebound Test Data - Round 10

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-91C Proximal Well	03/30/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/27/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.33 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	02/15/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/08/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/29/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	12/13/2021	ND(1.0)	0.40 J	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	03/11/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	03/28/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.27 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/28/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.25 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.48 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/06/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.52 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/20/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.43 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/19/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.47 J	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)		
	08/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.40 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.53 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/16/2022	ND(1.0) F1	ND(1.0)	ND(1.0)	ND(1.0)	0.47 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/06/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.52 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-109 Qtrly	05/23/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-121 Proximal Well	02/22/2019	ND(1)	0.4 J	0.9 J	ND(1)	45	2	ND(25)	ND(1)	ND(5)		
	03/04/2019	ND(1)	0.5 J	1	ND(1)	79	3	ND(25)	ND(1)	ND(5)		
	05/21/2019	0.4 J	ND(1)	ND(1)	ND(1)	0.4 J	ND(1)	ND(25)	ND(1)	ND(5)		
	07/30/2019	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	10/17/2019	0.4 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	03/09/2020	0.7 J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	0.31 J	ND(6.0)		
	08/27/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/03/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	01/25/2021	ND(1.0)	ND(1.0)	0.21 J	ND(1.0)	12	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/14/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/14/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	08/19/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.96 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/27/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/14/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		

TABLE 1

Rebound Test Data - Round 10

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-121 Proximal Well	02/21/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	03/29/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/28/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/27/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/07/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/20/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0) cn	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/01/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/09/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-138D [R]	04/11/2019	4	0.9 J	3	0.2 J	270	19	ND(25)	0.5 J	0.7 J	On	
	05/08/2019	4	1	5	0.8 J	420	28	ND(25)	0.6 J	3 J	On	
	06/26/2019	0.7 J	2	5	ND(1)	410	27	ND(25)	ND(1)	ND(5)	On	
	09/12/2019	ND(1)	1	4	ND(1)	320	24	ND(25)	ND(1)	ND(3)	On	
	10/09/2019	ND(1)	1	4	ND(1)	390	26	ND(25)	ND(1)	ND(3)	On	
	11/04/2019	ND(1)	1	4	ND(1)	340	19	ND(25)	ND(1)	ND(3)	On	
	12/06/2019	ND(1)	1	4	ND(1)	340	20	ND(25)	ND(1)	ND(3)	On	
	12/20/2019	ND(1)	1	4	ND(1)	310	18	ND(25)	ND(1)	ND(3)	On	
	01/03/2020	ND(1)	1	4	ND(1)	290	15	ND(25)	ND(1)	ND(3)	On	
	01/10/2020	ND(1)	1	4	ND(1)	250	13	ND(25)	ND(1)	ND(3)	On	
	02/14/2020	ND(1)	1	4	ND(1)	240	9	ND(25)	ND(1)	ND(3)	On	
	03/11/2020	ND(1)	1	3	ND(1)	170	5	ND(25)	ND(1)	ND(3)	On	
	04/15/2020	0.7 J	0.4 J	1	ND(1)	3	0.4 J	ND(25)	ND(1)	ND(3)	On	
	04/21/2020	ND(1)	1	3	ND(1)	190	ND(1)	ND(25)	ND(1)	ND(3)	On	
	04/22/2020	ND(1)	1	3	ND(1)	170	4	ND(25)	ND(1)	ND(3)	On	
	04/23/2020	ND(1)	1	3	ND(1)	190	4	ND(25)	ND(1)	ND(3)	On	
	04/24/2020	ND(1)	1	3	ND(1)	170	3	ND(25)	ND(1)	ND(3)	On	
	04/27/2020	ND(1)	1	3	ND(1)	150	2	ND(25)	ND(1)	ND(3)	On	
	08/12/2020	ND(1.0)	1.2	3.5	ND(1.0)	120	1.5 J	ND(50)	ND(1.0)	ND(6.0)	On	
	11/04/2020	ND(1.0)	0.73 J	2.6	ND(1.0)	41	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/16/2020	ND(1.0)	0.79 J	2.5	ND(1.0)	76	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/18/2021	ND(1.0)	0.91 J	2.9	ND(1.0)	43	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/22/2021	ND(1.0)	0.93 J	2.6	ND(1.0)	38	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	09/23/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.63 J	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	10/25/2021	ND(1.0)	0.63 J	2.4	ND(1.0)	17	1.1 J	ND(50)	ND(1.0)	ND(6.0)	On	
	12/30/2021	ND(1.0)	0.87 J	2.7	ND(1.0)	69	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	03/10/2022	ND(1.0)	0.63 J	2.1	ND(1.0) F1	1.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	03/29/2022	ND(1.0)	0.21 J	0.34 J	ND(1.0)	1.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	subsequent rebound samples by HS @ 82, 100, 125, 156, 200, 222, 255, 293, 337, 384
	6/7/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	9.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	

TABLE 1

Rebound Test Data - Round 10

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-138D(82)	04/28/2022	ND(1.0)	ND(1.0)	0.38 J	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	ND(1.0)	ND(1.0)	0.29 J	ND(1.0)	0.61 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	ND(1.0)	ND(1.0)	0.36 J	ND(1.0)	1.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.66 J	ND(5.0)	ND(50)	0.67 J	ND(6.0)	Off	
	08/29/2022	ND(1.0)	0.21 J	NA	ND(1.0)	0.66 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	ND(1.0)	0.21 J	NA	ND(1.0)	0.52 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
MW-138D(100)	04/28/2022	ND(1.0)	0.29 J	0.70 J	ND(1.0)	0.29 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	ND(1.0)	ND(1.0)	0.35 J	ND(1.0)	0.57 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	ND(1.0)	0.21 J	0.40 J	ND(1.0)	1.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.61 J	ND(5.0)	ND(50)	0.63 J	ND(6.0)	Off	
	08/29/2022	ND(1.0)	0.26 J	NA	ND(1.0)	0.64 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	ND(1.0) F1	0.26 J F1	NA	ND(1.0) F1	0.89 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0) F1	Off	
MW-138D(125)	04/28/2022	ND(1.0)	0.24 J	0.73 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	ND(1.0)	ND(1.0)	0.31 J	ND(1.0)	0.75 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	ND(1.0)	ND(1.0)	0.37 J	ND(1.0)	1.5	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.67 J	ND(5.0)	ND(50)	0.30 J	ND(6.0)	Off	
	08/29/2022	ND(1.0)	0.20 J	NA	ND(1.0)	0.66 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	ND(1.0)	0.23 J	NA	ND(1.0)	0.96 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
MW-138D(156)	05/25/2022	ND(1.0)	0.27 J	0.55 J	ND(1.0)	0.23 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	ND(1.0)	0.20 J	0.37 J	ND(1.0)	1.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.60 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	ND(1.0)	0.31 J	NA	ND(1.0)	0.46 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	ND(1.0)	0.28 J	NA	ND(1.0)	0.47 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
MW-138D(200)	04/28/2022	ND(1.0)	ND(1.0)	0.57 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	ND(1.0)	0.22 J	0.51 J	ND(1.0)	0.37 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	ND(1.0)	0.29 J	0.82 J	ND(1.0)	0.77 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.60 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	ND(1.0)	0.21 J	NA	ND(1.0)	0.67 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	ND(1.0)	0.24 J	NA	ND(1.0)	0.58 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
MW-138D(222)	04/28/2022	ND(1.0)	ND(1.0)	0.55 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	ND(1.0)	ND(1.0)	0.42 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	ND(1.0)	0.37 J	0.97 J	ND(1.0)	0.59 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.62 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	ND(1.0)	0.22 J	NA	ND(1.0)	0.62 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	ND(1.0)	0.21 J	NA	ND(1.0)	0.54 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
MW-138D(255)	04/28/2022	ND(1.0)	ND(1.0)	0.48 J	ND(1.0)	0.20 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	ND(1.0)	ND(1.0)	0.36 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	ND(1.0)	0.34 J	0.95 J	ND(1.0)	0.81 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.61 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	ND(1.0)	0.21 J	NA	ND(1.0)	0.47 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	ND(1.0)	0.21 J	NA	ND(1.0)	0.34 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	

TABLE 1

Rebound Test Data - Round 10

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January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-138D(293)	04/28/2022	ND(1.0)	ND(1.0)	0.56 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	ND(1.0)	ND(1.0)	0.34 J	ND(1.0)	0.49 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	ND(1.0)	0.34 J	0.95 J	ND(1.0)	0.81 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.64 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	ND(1.0)	0.22 J	NA	ND(1.0)	0.51 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	ND(1.0)	0.22 J	NA	ND(1.0)	0.63 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
MW-138D(337)	04/28/2022	ND(1.0)	0.21 J	0.47 J	ND(1.0)	0.94 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	ND(1.0)	ND(1.0)	0.32 J	ND(1.0)	0.54 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	ND(1.0)	0.26 J	0.59 J	ND(1.0) F1	1.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.62 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	ND(1.0)	0.29 J	NA	ND(1.0)	0.39 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	ND(1.0)	0.20 J	NA	ND(1.0)	0.37 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
MW-138D(384)	04/28/2022	ND(1.0)	ND(1.0)	0.49 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	ND(1.0)	ND(1.0)	0.33 J	ND(1.0)	0.36 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/23/2022	ND(1.0)	0.32 J	0.87 J	ND(1.0)	0.93 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	0.63 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/29/2022	ND(1.0)	0.20 J	NA	ND(1.0)	0.28 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/21/2022	ND(1.0)	0.23 J	NA	ND(1.0)	0.56 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
MW-139	03/11/2019	ND(1)	0.7 J	2	ND(1)	0.2 J	ND(1)	ND(25)	ND(1)	ND(5)	Off	
	06/26/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)	Off	
	09/09/2019	ND(1)	ND(1)	0.3 J	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)	Off	
	11/25/2019	ND(1)	ND(1)	0.3 J	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)	Off	
	03/10/2020	ND(1)	ND(1)	0.3 J	ND(1)	0.3 J	ND(1)	ND(25)	ND(1)	ND(3)	Off	
	04/07/2020	ND(1)	ND(1)	0.2 J	ND(1)	0.3 J	ND(1)	ND(25)	ND(1)	ND(3)	Off	
	09/15/2020	ND(1.0)	ND(1.0)	0.21 J	ND(1.0)	7.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	11/06/2020	ND(1.0)	ND(1.0)	0.62 J	ND(1.0)	37	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	01/22/2021	ND(1.0)	2.4	6.4	ND(1.0)	25	1.1 J	86	ND(1.0)	ND(6.0)	Off	
	04/16/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/06/2021	ND(1.0)	0.39 J	1	ND(1.0)	4.5	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
	12/08/2021	ND(1.0)	0.46 J	1	ND(1.0)	4.9	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	02/09/2022	ND(1.0)	NA	NA	ND(1.0)	19	NA	NA	ND(1.0)	ND(6.0)	Off	
	06/09/2022	ND(1.0)	0.36 J	0.94 J	ND(1.0)	14	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	08/08/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	14	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	10/18/2022	ND(1.0)	0.52 J	1.4	ND(1.0)	23	1.1 J	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/05/2022	ND(1.0)	0.60 J	1.4	ND(1.0)	31	1.3 J	12 J	ND(1.0)	ND(1.0)	Off	
MW-152 Proximal Well	02/01/2019	ND(1)	0.5 J	1	2	10	1	ND(25)	1 J	35		
	06/26/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	07/02/2019	ND(1)	ND(1)	ND(1)	ND(1)	0.8 J	ND(1)	ND(25)	ND(1)	ND(5)		
	07/24/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	08/20/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	10/21/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	11/18/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	12/10/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		

TABLE 1

Rebound Test Data - Round 10

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January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-152 Proximal Well	03/10/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/07/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	09/11/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.47 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	01/22/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/07/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/06/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	12/08/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	02/09/2022	ND(1.0)	NA	NA	ND(1.0)	ND(1.0)	NA	NA	ND(1.0)	ND(6.0)		
	03/28/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.20 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/23/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.55 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/06/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/20/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/20/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0) cn	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/19/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	10/18/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/09/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
MW-168(67) Qtrly	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-168(75) Qtrly	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-168(87) Qtrly	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-168(115) Qtrly	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-168(235) Qtrly	01/31/2019	ND(1)	ND(1)	0.2 J	ND(1)	0.3 J	ND(1)	ND(25)	ND(1)	ND(5)		
	02/27/2019	ND(1)	ND(1)	0.2 J	ND(1)	0.6 J	ND(1)	ND(25)	ND(1)	ND(5)		
	03/19/2019	ND(1)	ND(1)	ND(1)	ND(1)	0.3 J	ND(1)	ND(25)	ND(1)	ND(5)		
	06/14/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	07/31/2019	ND(1)	ND(1)	ND(1)	ND(1)	0.4 J	ND(1)	ND(25)	ND(1)	ND(3)		
	09/04/2019	ND(1)	ND(1)	ND(1)	ND(1)	0.3 J	ND(1)	ND(25)	ND(1)	ND(3)		
	12/20/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	02/14/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	03/11/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/16/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/21/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/22/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/23/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	04/24/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		

TABLE 1

Rebound Test Data - Round 10

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January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-168(235) Qtrly	04/27/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	10/15/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	02/15/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/29/2021	ND(1.0) cn	ND(1.0) cn	ND(1.0) cn	ND(1.0) cn	ND(1.0) cn	ND(5.0) cn	ND(50) cn	ND(1.0) cn	ND(1.0) cn		
	03/09/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-171 Qtrly	01/08/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	02/26/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	03/18/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	05/13/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	08/06/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	03/03/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	07/17/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	02/15/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/29/2021	ND(1.0) cn	ND(1.0) cn	ND(1.0) cn	ND(1.0) cn	ND(1.0) cn	ND(5.0) cn	ND(50) cn	ND(1.0) cn	ND(1.0) cn		
	03/09/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.8	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-171C Qtrly	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.46 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/30/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-176CC Qtrly	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.21 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.26 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-178C [R]	01/08/2019	ND(1)	1	7	ND(1)	150	8	590	ND(1)	ND(5)	On	
	02/11/2019	ND(1)	1	7	ND(1)	44	2	1300	ND(1)	ND(5)	On	
	03/14/2019	ND(1)	3	13	ND(1)	180	9	780	ND(1)	ND(5)	On	
	04/12/2019	ND(1)	3	13	ND(1)	200	10	680	ND(1)	ND(5)	On	
	06/14/2019	ND(1)	2	10	ND(1)	210	9	520	ND(1)	ND(5)	On	
	07/29/2019	ND(1)	1	5	ND(1)	0.8 J	ND(1)	ND(25)	ND(1)	ND(5)	On	
	10/14/2019	ND(1)	2	9	ND(1)	4	ND(1)	ND(25)	ND(1)	ND(3)	On	
	11/05/2019	ND(1)	2	9	ND(1)	90	4	320	ND(1)	ND(3)	On	
	12/06/2019	ND(1)	2	7	ND(1)	110	5	86	ND(1)	ND(3)	On	
	01/02/2020	ND(1)	2	8	ND(1)	130	7	490	ND(1)	ND(3)	On	
	04/15/2020	ND(1)	4	14	ND(1)	120	7	560	ND(1)	ND(3)	On	
	08/12/2020	ND(1.0)	0.29 J	1.1	ND(1.0)	20	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/03/2020	ND(1.0)	2.3	9.6	ND(1.0)	56	3.1 J	460	ND(1.0)	ND(6.0)	On	
	01/18/2021	0.24 J	2.5	10	ND(1.0)	56	2.8 J	440	ND(1.0)	ND(6.0)	On	

TABLE 1

Rebound Test Data - Round 10

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-178C [R]	04/08/2021	ND(1.0)	1.3	5	ND(1.0)	32	1.7 J	300	ND(1.0)	ND(6.0)	On	
	09/21/2021	ND(1.0)	ND(1.0)	0.75 J	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	10/25/2021	ND(1.0)	0.58 J	1.7	ND(1.0)	110	3.4 J	ND(50)	ND(1.0)	ND(6.0)	On	
	12/30/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	02/01/2022	ND(1.0)	1.3	5.5	ND(1.0)	35	1.8 J	190	ND(1.0)	ND(6.0)	On	
	03/28/2022	ND(1.0)	0.76 J	2.5	ND(1.0)	30	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	04/27/2022	ND(1.0)	0.65 J	2.1	ND(1.0)	27	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/24/2022	ND(1.0)	0.76 J	2.4	ND(1.0)	31	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/06/2022	ND(1.0)	ND(1.0)	0.50 J	ND(1.0)	1.9	ND(5.0)	16 J	ND(1.0)	ND(6.0)	On	
	06/24/2022	ND(1.0)	0.57 J cn	1.2	ND(1.0)	3.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/19/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	1.3	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	08/30/2022	ND(1.0)	0.66 J	NA	ND(1.0)	39	ND(5.0)	22 J	ND(1.0)	ND(6.0)	Off	
	09/19/2022	ND(1.0)	0.57 J	NA	ND(1.0)	30	1.6 J	16 J	ND(1.0)	ND(6.0)	Off	
	11/17/2022	1.3	2.4	10	ND(1.0)	40	3.3 J	670	ND(1.0)	ND(6.0)	On	
	12/05/2022	0.77 J	4.5	16	ND(1.0)	59	4.7 J	770	ND(1.0)	ND(1.0)	Off	
MW-180A Qtrly	01/31/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	02/27/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	03/14/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	05/20/2019	ND(1)	ND(1)	ND(1)	ND(1)	1 J	ND(1)	ND(25)	ND(1)	ND(5)		
	07/29/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)		
	01/13/2020	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(3)		
	07/30/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/24/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	10/22/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	02/15/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	11/29/2021	ND(1.0) cn	ND(1.0) cn	ND(1.0) cn	ND(1.0) cn	ND(1.0) cn	ND(5.0) cn	ND(50) cn	ND(1.0) cn	ND(1.0) cn		
	03/15/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-180C Qtrly	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.75 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
MW-181B Qtrly	01/22/2019	ND(1)	ND(1)	ND(1)	ND(1)	7	0.3 J	ND(25)	ND(1)	ND(5)		
	02/27/2019	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(1)	ND(25)	ND(1)	ND(5)		
	03/14/2019	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(1)	ND(25)	ND(1)	ND(5)		
	06/17/2019	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(1)	ND(25)	ND(1)	ND(5)		
	07/30/2019	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(3)		
	10/17/2019	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)		
	03/09/2020	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(3)		
	06/23/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/09/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	02/11/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/01/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.4	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	02/24/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/27/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	08/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.4	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		

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TABLE 1

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January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-183 [R]	01/08/2019	0.4 J	0.3 J	1	ND(1)	19	ND(1)	180	0.5 J	ND(5)	On	
	02/22/2019	ND(1)	0.4 J	2	ND(1)	17	0.5 J	68	ND(1)	ND(5)	On	
	03/13/2019	0.3 J	1	6	ND(1)	61	3	94	ND(1)	ND(5)	On	
	05/02/2019	ND(1)	1	6	ND(1)	80	3	120	0.3 J	ND(5)	On	
	06/14/2019	ND(1)	0.9 J	5	ND(1)	39	0.8 J	ND(25)	ND(1)	ND(5)	On	
	07/22/2019	0.2 J	ND(1)	0.7 J	ND(1)	3	0.3 J	570	ND(1)	ND(5)	On	
	08/16/2019	ND(1)	ND(1)	ND(1)	ND(1)	0.4 J	ND(1)	37	0.5 J	ND(5)	On	
	10/14/2019	0.9 J	ND(1)	0.2 J	0.8 J	2	ND(1)	ND(25)	2	ND(3)	On	
	11/04/2019	ND(1)	0.6 J	2	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)	On	
	11/19/2019	ND(1)	0.4 J	2	ND(1)	0.4 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	12/06/2019	ND(1)	0.4 J	1	ND(1)	0.5 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	02/18/2020	ND(1)	0.6 J	2	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(3)	On	
	04/16/2020	ND(1)	2	8	ND(1)	66	2	290	ND(1)	ND(3)	On	
	06/22/2020	ND(1.0)	ND(1.0)	0.24 J	ND(1.0)	0.87 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	08/12/2020	2.5	3.8	16	ND(1.0)	61	5.8	1000	ND(1.0)	ND(6.0)	On	
	11/02/2020	ND(1.0)	1.7	8	ND(1.0)	49	4.5 J	620	ND(1.0)	ND(6.0)	On	
	01/18/2021	ND(1.0)	2.4	11	ND(1.0)	50	2.0 J	360	ND(1.0)	ND(6.0)	On	
	04/08/2021	ND(1.0) F1	2.6	11	ND(1.0)	79	4.9 J	750	ND(1.0)	ND(6.0)	On	
	09/21/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	10/25/2021	ND(1.0)	0.67 J	2.1	ND(1.0)	6.8	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	12/30/2021	ND(1.0)	ND(1.0)	0.50 J	ND(1.0)	3.8	ND(5.0)	240	ND(1.0)	ND(1.0)	On	
	02/11/2022	ND(1.0)	NA	NA	ND(1.0)	14	NA	NA	ND(1.0)	ND(6.0)	On	
	03/28/2022	ND(1.0)	ND(1.0)	0.42 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	04/27/2022	ND(1.0)	ND(1.0)	0.33 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/24/2022	ND(1.0)	ND(1.0)	0.29 J	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/06/2022	ND(1.0)	1.2	5.9	ND(1.0)	33	2.0 J	680	ND(1.0)	ND(6.0)	On	
	06/24/2022	ND(1.0)	1.6 cn	6.7	ND(1.0)	34	1.8 J	420	ND(1.0)	ND(6.0)	Off	
	07/19/2022	ND(1.0)	0.33 J	NA	ND(1.0)	0.66 J	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	08/30/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	1.2	ND(5.0)	20 J	ND(1.0)	ND(6.0)	Off	
	9/19/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	1.9	ND(5.0)	22 J	ND(1.0)	ND(6.0)	Off	
	12/9/2022	ND(1.0)	ND(1.0)	0.90 J	ND(1.0)	5.9	ND(5.0)	21 J	ND(1.0)	ND(1.0)	Off	
MW-187A [R]	01/18/2019	260	ND(20)	ND(20)	190	250	ND(20)	ND(500)	2100	1300	On	
	02/06/2019	190	2 J	3 J	120	190	49	72 J	1500	910	On	
	03/11/2019	180	ND(20)	ND(20)	85	200	49	ND(500)	1300	790	On	
	04/11/2019	38	1	2	10	45	28	11 J	200	110	On	
	05/09/2019	150	3 J	3 J	110	210	55	ND(130)	1300	850	On	
	07/10/2019	210	2 J	3 J	230	190	46	ND(130)	2000	1400	On	
	09/13/2019	300	ND(2)	3	330	170	ND(2)	ND(50)	3000	1800	On	
	10/01/2019	ND(1)	0.4 J	2	ND(1)	130	5	93	0.8 J	2 J	On	
	11/06/2019	330	2 J	3 J	230	190	45	ND(130)	3100	1900	On	
	12/18/2019	310	2 J	3 J	210	180	39	ND(250)	3400	1800	On	
	01/09/2020	0.3 J	0.8 J	0.9 J	ND(1)	43	13	13 J	2	20	On	
	06/16/2020	180	1.2	1.8	ND(1.0)	ND(1.0)	22	34 J	1800	1400	On	

TABLE 1

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January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-187A [R]	07/16/2020	210	1.1 J	1.7 J	180	88	20 J	ND(250)	2000	1500	On	
	07/30/2020	230	ND(2.0)	1.4 J	190	85	18	ND(100)	ND(2.0)	1500	On	
	08/26/2020	210	1.0 J	1.7 J	170	85	18	42 J	1700	1400	On	
	09/18/2020	180	ND(5.0)	ND(5.0)	170	70	ND(25)	ND(250)	1900	1400	On	
	10/20/2020	13	ND(5.0)	ND(5.0)	7.1	54	12 J	82 J	120	97	On	
	01/14/2021	1.3	0.63 J	1.2	1.1	64	10	31 J	25	48	On	
	04/05/2021	160	ND(5.0)	ND(5.0)	65	64	ND(25)	ND(250)	870	860	On	
	09/30/2021	2.8	ND(1.0)	ND(1.0)	0.76 J	9.8	1.6 J	24 J	16	34	On	
	10/25/2021	110	0.77 J	ND(1.0)	71	53	8.1	43 J	490	610	On	
	02/02/2022	55	0.46 J	0.78 J	14	47	6.6	31 J	270	370	On	
	03/29/2022	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(25)	ND(250)	ND(5.0)	ND(30)	Off	
	04/27/2022	190	ND(5.0)	ND(5.0)	260	42	ND(25)	ND(250)	1500	1200	Off	
	05/23/2022	220	ND(5.0)	ND(5.0)	280	47	ND(25)	ND(250)	1500	1300	Off	
	06/06/2022	74	ND(5.0)	ND(5.0)	80	32	ND(25)	ND(250)	600	840	On	
	06/24/2022	6.9	ND(5.0) cn	ND(5.0)	5.6	9	ND(25)	ND(250)	36	33	Off	
	~~07/20/2022~~	~~1200~~	~~ND(5.0)~~	~~ND(5.0)~~	~~1600~~	~~190 cn~~	~~ND(25)~~	~~ND(250)~~	~~7600~~	~~5300~~	~~Off~~	considered erroneous data point
	08/10/2022	4.4 J	ND(5.0)	ND(5.0)	2.0 J	1.5 J	ND(25)	ND(250)	9.7	ND(30)	Off	
	08/25/2022	25	ND(5.0)	ND(5.0)	12	5.6	ND(25)	ND(250)	83	81	Off	
	09/20/2022	15	ND(1.0)	NA	5.1	4.2	ND(5.0)	ND(50)	33	21	Off	
	10/19/2022	270	0.44 J	0.69 J	190	56	8.4	19 J	910	900	Off	
	11/17/2022	76	ND(5.0)	ND(5.0)	22	56	7.2 J	ND(250)	190	480	On	
	12/05/2022	140	ND(5.0)	ND(5.0)	54	62	8.1 J	ND(250)	360	1000	Off	
MW-187B [R]	01/18/2019	ND(1)	1	3	ND(1)	150	5	88	ND(1)	ND(5)	On	
	02/06/2019	ND(1)	0.8 J	3	ND(1)	37	0.6 J	49	ND(1)	ND(5)	On	
	03/11/2019	ND(1)	0.8 J	3	ND(1)	150	6	110	ND(1)	ND(5)	On	
	04/11/2019	6	0.9 J	3	3	280	25	95	69	60	On	
	05/09/2019	ND(1)	0.2 J	1	ND(1)	110	6	94	0.3 J	ND(5)	On	
	07/10/2019	ND(1)	ND(1)	0.9 J	ND(1)	70	4	89	ND(1)	ND(5)	On	
	09/13/2019	ND(1)	0.2 J	1	ND(1)	62	3	92	ND(1)	ND(3)	On	
	10/01/2019	ND(1)	ND(1)	0.8 J	ND(1)	64	4	110	0.8 J	1 J	On	
	11/06/2019	2	0.4 J	2	2	90	4	100	23	13	On	
	12/18/2019	ND(1)	ND(1)	0.8 J	ND(1)	29	1	43	1	ND(3)	On	
	01/09/2020	ND(1)	0.2 J	1 J	ND(1)	37	2	59	ND(1)	ND(3)	On	
	06/16/2020	ND(1.0)	ND(1.0)	0.52 J	ND(1.0)	17	0.84 J	15 J	ND(1.0)	ND(6.0)	On	
	08/26/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	0.29 J	ND(6.0)	On	
	11/16/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.71 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/14/2021	0.69 J	0.84 J	2.7	0.60 J	63	4.1 J	170	1.4	6.1	On	
	04/05/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4.6	ND(5.0)	ND(50)	0.57 J	ND(6.0)	On	
	09/30/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	10/25/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.23 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	03/11/2022	ND(1.0)	0.49 J	1.4	ND(1.0)	11	ND(5.0)	59	ND(1.0)	ND(6.0)	On	
	03/29/2022	ND(1.0)	0.52 J	1.5	ND(1.0)	35	1.3 J	90	ND(1.0)	ND(6.0)	Off	
	4/27/2022	ND(1.0)	0.54 J	1.7	ND(1.0)	29	ND(5.0)	110	ND(1.0)	ND(6.0)	Off	

TABLE 1

Rebound Test Data - Round 10

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January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-187B [R]	5/23/2022	0.51 J	0.57 J	1.6	0.42 J	30	1.3 J	110	1.5	2.0 J	Off	
	6/6/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	6/24/2022	ND(1.0)	0.64 J cn	1.7	ND(1.0)	11	ND(5.0)	66	ND(1.0)	ND(6.0)	Off	
	7/20/2022	0.32 J	ND(1.0)	NA	ND(1.0)	9.3 cn	ND(5.0)	110	ND(1.0)	ND(6.0)	Off	
	8/25/2022	0.33 J	0.56 J	1.5	ND(1.0)	8.6	ND(5.0)	100	ND(1.0)	ND(6.0)	Off	
	9/20/2022	0.35 J	0.93 J	NA	ND(1.0)	18	ND(5.0)	120	ND(1.0)	ND(6.0)	Off	
	10/19/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.4	ND(5.0)	12 J	0.76 J	ND(6.0)	Off	
	12/5/2022	2	ND(1.0)	0.56 J	1.1	9.3	ND(5.0)	15 J	5.4	7.9	Off	
MW-187C [R]	01/18/2019	ND(1)	2	7	ND(1)	590	26	ND(25)	ND(1)	ND(5)	On	
	02/06/2019	ND(1)	1	6	ND(1)	420	18	ND(25)	ND(1)	ND(5)	On	
	03/11/2019	ND(1)	2	8	ND(1)	510	16	ND(25)	ND(1)	ND(5)	On	
	04/11/2019	ND(1)	2	9	ND(1)	550	19	ND(25)	ND(1)	ND(5)	On	
	07/10/2019	ND(1)	2	9	ND(1)	510	14	ND(25)	ND(1)	ND(5)	On	
	09/19/2019	ND(1)	3	11	ND(1)	580	20	ND(25)	ND(1)	ND(5)	On	
	10/09/2019	ND(1)	3	11	ND(1)	550	20	ND(25)	ND(1)	ND(3)	On	
	11/06/2019	ND(5)	4 J	15	ND(5)	890	25	ND(130)	ND(5)	ND(15)	On	
	12/18/2019	ND(1)	4	15	ND(1)	630	17	ND(25)	ND(1)	ND(3)	On	
	01/09/2020	ND(1)	4	14	ND(1)	280	2	ND(25)	ND(1)	ND(3)	On	
	06/16/2020	ND(1.0)	0.20 J	11	ND(1.0)	77	1.2 J	ND(50)	ND(1.0)	ND(6.0)	On	
	08/26/2020	ND(1.0)	2.4	9.6	ND(1.0)	26	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/16/2020	24	ND(1.0)	0.43 J	13	21	3.2 J	13 J	150	100	On	
	02/09/2021	ND(1.0)	ND(1.0)	0.78 J	ND(1.0)	0.84 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/05/2021	ND(1.0)	2.2	8.8	ND(1.0)	280	3.3 J	ND(50)	ND(1.0)	ND(6.0)	On	
	09/30/2021	ND(10)	ND(10)	ND(10)	ND(10)	3.4 J	ND(50)	ND(500)	ND(10)	ND(10)	On	
	10/25/2021	ND(1.0)	2.1	6.8	ND(1.0)	200	3.3 J	ND(50)	ND(1.0)	ND(6.0)	On	
	02/02/2022	ND(1.0)	1.9	7	ND(1.0)	230	3.5 J	ND(50)	ND(1.0)	ND(6.0)	On	
	03/29/2022	ND(1.0)	2.1	7.3	ND(1.0)	280	8.1	18 J	ND(1.0)	ND(6.0)	Off	
	05/23/2022	ND(1.0)	1.4	5	ND(1.0)	170	5.1	13 J	1.4	ND(6.0)	Off	
	06/07/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	8.9	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	06/24/2022	ND(1.0) F1	2.0 cn	7	ND(1.0) F1	370	14	15 J	ND(1.0) F1	ND(6.0) F1	Off	
	10/19/2022	4.2	2.2	8.9	ND(1.0)	420	18	110	ND(1.0)	ND(6.0)	Off	
	11/17/2022	0.47 J	0.25 J	1.3	ND(1.0)	89	4.2 J	ND(50)	0.65 J	ND(6.0)	On	
	12/06/2022	ND(1.0)	0.81 J	3.6	ND(1.0)	260	7.6	ND(50)	ND(1.0)	ND(1.0)	Off	
MW-187C(210)	09/27/2018	0.2 J	0.2 J	1	ND(1)	89	4	22 J	ND(1)	ND(5)	Off	
	10/16/2018	ND(1)	0.2 J	1	ND(1)	76	3	ND(25)	ND(1)	ND(5)	Off	
	04/28/2022	ND(1.0)	0.81 J	3	ND(1.0)	100	2.6 J	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	ND(1.0)	1.9	6	ND(1.0)	150	4.5 J	16 J	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	0.77 J	NA	ND(1.0)	75	2.4 J	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	08/29/2022	ND(5.0)	ND(5.0)	NA	ND(5.0)	41	ND(25)	ND(250)	ND(5.0)	ND(30)	Off	
	09/20/2022	0.76 J	1.1	NA	ND(1.0)	160	6.5	39 J	ND(1.0)	ND(6.0)	Off	

TABLE 1

Rebound Test Data - Round 10

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
MW-187C(298)	09/27/2018	ND(1)	0.2 J	0.9 J	ND(1)	74	4	25	ND(1)	ND(5)	Off	
	10/16/2018	ND(1)	0.2 J	0.9 J	ND(1)	63	3	19 J	ND(1)	ND(5)	Off	
	04/28/2022	ND(1.0)	0.32 J	1.3	ND(1.0)	41	1.3 J	ND(50)	ND(1.0)	ND(6.0)	Off	
	05/25/2022	ND(1.0)	0.75 J	4.2	ND(1.0)	190	4.3 J	46 J	ND(1.0)	ND(6.0)	Off	
	07/20/2022	ND(1.0)	0.80 J	NA	ND(1.0)	100	ND(5.0)	14 J cn	ND(1.0)	ND(6.0)	Off	
	08/29/2022	2.1 J	1.4 J	NA	ND(5.0)	200	7.7 J	ND(250)	ND(5.0)	ND(30)	Off	
	09/20/2022	0.54 J	0.71 J	NA	ND(1.0)	100	4.2 J	24 J	ND(1.0)	ND(6.0)	Off	
PW-3501 Proximal Well	03/15/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	04/08/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/21/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	12/30/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)		
	02/11/2022	ND(1.0)	NA	NA	ND(1.0)	ND(1.0)	NA	NA	ND(1.0)	ND(6.0)		
	03/28/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		subsequent rebound samples by HS (225 + 423)
	10/27/22	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
PW-3501(225) Proximal Well	04/28/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/07/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/20/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/19/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)		
	08/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/21/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/09/2022	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	ND(0.50)	ND(0.50)		
PW-3501(423) Proximal Well	04/28/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	05/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/07/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	06/20/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	07/19/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)		
	08/26/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	09/21/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)		
	12/09/2022	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(25)	ND(0.50)	ND(0.50)		
SVE-1 [R]	01/07/2019	ND(1)	0.5 J	0.7 J	ND(1)	4	ND(1)	ND(25)	ND(1)	ND(5)	On	
	02/25/2019	5	3	6	ND(1)	350	16	51	0.4 J	2 J	On	
	03/13/2019	3	3	5	0.5 J	310	19	45	2	3 J	On	
	03/18/2019	ND(1)	0.6 J	0.9 J	ND(1)	56	2	17 J	ND(1)	ND(5)	On	
	04/11/2019	ND(1)	0.7 J	1	ND(1)	10	ND(1)	ND(25)	ND(1)	ND(5)	On	
	09/05/2019	ND(1)	0.3 J	0.6 J	ND(1)	1	ND(1)	ND(25)	ND(1)	ND(5)	On	
	10/11/2019	ND(1)	0.4 J	0.7 J	ND(1)	0.9 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	03/02/2020	ND(1)	0.9 J	1	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)	On	
	04/07/2020	ND(1)	0.7 J	1	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)	On	
	08/11/2020	1.4	1.4	2.2	ND(1.0)	140	8.6	54	0.47 J	ND(6.0)	On	
	11/06/2020	6.1	1.2	ND(1.0)	5.6	170	13	56	7.8	16	On	
	01/14/2021	ND(1.0)	ND(1.0)	0.25 J	ND(1.0)	7.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/16/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	07/08/2021	29	2.1	3.9	26	320	32	120	52	87	On	
	10/11/2021	9.3	1.5	2.5	11 F1	180	17	84	19	43	On	

Kleinfelder
1745 Dorsey Road Suite J Hanover MD

TABLE 1

Rebound Test Data - Round 10

28077 Phoenix, MD

14528 Jarrettsville Pike

January 2019 through December 2022

LocationID	Sample Date	Benzene	Diisopropyl ether	Ethyl tert-butyl ether	Ethyl benzene	Methyl tert-butyl ether	Tert-amyl methyl ether	Tert-butyl alcohol	Toluene	Xylenes, total	RW On/Off	Comments
SVE-1 [R]	02/02/2022	1.6	1.6	2.7	1.9	110	9.7	130	0.88 J	2.8 J	On	
	03/28/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	04/27/2022	9.9 cn	1.6 cn	3.2 cn	5.5 cn	61 cn	5.2 cn	440 cn	0.78 J cn	2.2 J cn	Off	
	05/23/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.33 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	06/07/2022	ND(1.0)	0.32 J	0.44 J	ND(1.0)	3.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	06/20/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	07/18/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	08/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.63 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	09/19/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	4.7	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	10/19/2022	0.43 J	0.26 J	0.49 J	0.43 J	7.3	ND(5.0)	82	ND(1.0)	ND(6.0)	Off	
	12/09/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.2	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	
SVE-3 [R]	01/07/2019	ND(1)	0.9 J	2	ND(1)	7	ND(1)	ND(25)	ND(1)	ND(5)	On	
	02/01/2019	ND(1)	1	1	ND(1)	2	ND(1)	ND(25)	ND(1)	ND(5)	On	
	03/13/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)	On	
	03/18/2019	ND(1)	ND(1)	0.2 J	ND(1)	8	ND(1)	ND(25)	ND(1)	ND(5)	On	
	04/22/2019	5	0.9 J	2	0.3 J	48	7	10 J	19	15	On	
	06/26/2019	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(25)	ND(1)	ND(5)	On	
	09/05/2019	ND(1)	ND(1)	ND(1)	ND(1)	2	0.3 J	120	ND(1)	ND(5)	On	
	10/15/2019	11	2	3	ND(1)	140	33	37	20	220	On	
	11/06/2019	ND(1)	1	2	ND(1)	60	12	ND(25)	ND(1)	ND(3)	On	
	12/06/2019	ND(1)	0.6 J	1	ND(1)	3	ND(1)	ND(25)	ND(1)	ND(3)	On	
	03/02/2020	ND(1)	0.3 J	0.7 J	ND(1)	0.9 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	04/07/2020	ND(1)	0.3 J	0.5 J	ND(1)	0.5 J	ND(1)	ND(25)	ND(1)	ND(3)	On	
	08/11/2020	ND(1.0)	0.37 J	0.65 J	ND(1.0)	1.1	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	11/06/2020	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	01/14/2021	0.30 J	ND(1.0)	ND(1.0)	ND(1.0)	0.40 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	04/16/2021	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.60 J	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	07/08/2021	ND(1.0)	ND(1.0)	0.42 J	ND(1.0)	1.2	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	On	
	12/07/2021	0.48 J	0.27 J	0.55 J	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	02/02/2022	ND(1.0)	0.33 J	0.61 J	ND(1.0)	1.6	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	On	
	03/28/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	4/26/2022	ND(1.0)	0.29 J	ND(1.0)	ND(1.0)	4.3	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	5/23/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	6/6/2022	ND(1.0)	0.43 J	ND(1.0)	ND(1.0)	15	ND(5.0)	31 J	ND(1.0)	ND(6.0)	On	
	6/20/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	7/18/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50) cn	ND(1.0)	ND(6.0)	Off	
	8/25/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	9/21/2022	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	10/17/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(6.0)	Off	
	12/9/2022	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(50)	ND(1.0)	ND(1.0)	Off	

Notes:

[R]	Groundwater Recovery Well
Qtrly	MDE requested quarterly-sampled monitoring well
J	Indicates an estimated value
NA	Not analyzed
ND(5.0)	Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NS	Not sampled

Kleinfelder
1745 Dorsey Road Suite J Hanover MD

Jennifer Kozak

From: Andrew Miller -MDE- <andrew.miller@maryland.gov>
Sent: Friday, January 20, 2023 4:12 PM
To: Mark Schaaf; Lee, John J
Cc: chris.ralston@maryland.gov; ellen.jackson@maryland.gov; Leslie Steele
Subject: Re: Inactive Exxon Facility 28077 / Phoenix, MD: Interim Cycling of Remaining GW Recovery Wells
Attachments: 28077 Current Sampling Schedule_01-20-23.pdf

External Email

John and Mark,

The Department has reviewed your proposed plan for continued cycling of select recovery pumps for an additional two monthly cycles. The proposed plan will include:

- Operation of pumps in wells MW-38C, MW-54B, MW-187A, and MW-187C
- Cycling the four wells to pump for a period of one month on, one month off, one month on, and then one month off.
- Monthly sampling from select wells MW-187A, MW-187B, MW-187C, MW-54B, MW-38C, MW-178C;
- Continued sampling of all other wells at the frequency currently required;
- Provide MDE with monthly updates (figure, summary table, analytical reports) via email; and
- Review cycling results by conference call with MDE shortly after the second OFF cycle.

The Department approves the proposed plan with the following requirements:

- The first month of the continued cycling program will be considered to begin following completion of the removal of the pump in MW-178C and the installation and activation of pumps in wells MW-38C and MW-54B. Provide written notification via email to MDE to document the commencement date of the additional cycling time period;
- Following the second "off" cycle, reactivate all four pumping wells and continue pumping until sampling results are received, reviewed, and a determination made by MDE regarding future pumping.
- The sampling frequency for wells, other than those specifically listed above, must conform with the frequencies included on the summary table provided to MDE on behalf of ExxonMobil via email on January 18, 2023 (attached). Please note that MW-109 is currently required to be sampled on a quarterly basis but is not listed on the table. Well PW-3501 must also be sampled on a quarterly basis and should be added to the table.

Feel free to contact me or Ellen Jackson if you have any questions or concerns.

Thanks!
Drew Miller

On Mon, Jan 9, 2023 at 4:46 PM Mark Schaaf <MSchaaf@kleinfelder.com> wrote:

> Hi Drew.

Again, thanks for providing us time last Thursday to review with the MDE the 2022 cycling assessment results and present the forthcoming workplan action items. We are drafting both a Cycling Assessment Report of Results and Workplan to be submitted to you around the middle of the month. In the interim of preparing/submitting the report and workplan, MDE's review/response, with MDE's approval we would like to further extend the cycling assessment work.

As discussed, we are currently recovering groundwater from two intersection wells (MW-187A and MW-187C) and MW-178C (3501 Hampshire Glen) – see attached figure (yellow and pink circles). As mentioned, we would like to continue the cycling assessment within the reduced area of remaining impacted wells, including the following adjustments:

- add recovery pumps to MW-54B and MW-38C (both on the 14307 Jarrettsville Pike property) (see green circles)
- remove the pump from MW-178C (pink) and convert to an immediate downgradient (from active recovery) monitoring point
- cycle the four RWs ON for one month and OFF for one month twice
- collect monthly groundwater samples from the following wells (listed in progressive downgradient order) - MW-187A, MW-187B, MW-187C, MW-54B, MW-38C, MW-178C; sample other wells are currently directed by MDE
- provide the MDE monthly updates (figure, summary table, analytical reports) via email
- review cycling results by conference call with MDE shortly after the second OFF cycle

Please find attached the cycling assessment Round 10 analytical data summary. Please advise if you'd like additional data, other information, or want to have a call to discuss/review/answer questions, etc.

Again, we would like to make best technical use of time over the next couple months and gather additional meaningful cycling data.

Thanks.

Mark J. Schaaf, CPG

1745 Dorsey Road, Suite J
Hanover, MD 21076

o| 410.689.0785

m| 845.325.4646

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Click here to complete a three question customer experience survey.

Click here to complete a three question customer experience survey.

Well ID	Address	Location	Current Monitoring Activity	Current Sampling Method
MW- 1	14258 Jarrettsville Pike	FS	Semi Annual	P/G
MW- 1A	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 2	14258 Jarrettsville Pike	FS	Semi Annual	P/G
MW- 2A	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 3	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 4	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 4A	14258 Jarrettsville Pike	FS	Semi Annual	P/G
MW- 6	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 7	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 8	14258 Jarrettsville Pike	FS	Semi Annual	P/G
MW- 9	14258 Jarrettsville Pike	FS	Semi Annual	P/G
MW- 12	14258 Jarrettsville Pike	FS	Semi Annual	P/G
MW- 13	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 15	3313A Paper Mill Road	SW	Semi Annual	P/G
MW- 16	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 16R	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 17	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 19	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 21	14258 Jarrettsville Pike	FS	Semi Annual	P/G
MW- 22	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 23	14258 Jarrettsville Pike	FS	Semi Annual	P/G
MW- 24	14258 Jarrettsville Pike	FS	Semi Annual	P/G
MW- 25	14258 Jarrettsville Pike	FS	Semi Annual	P/G
MW- 26	14258 Jarrettsville Pike	FS	Semi Annual	P/G
MW- 27	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 27B	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 27R	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 29	3313A Paper Mill Road	SW	Semi Annual	P/G
MW- 30	3313A Paper Mill Road	SW	Semi Annual	P/G
MW- 32	14301 Jarrettsville Pk.	NE	Quarterly	P/G
MW- 36	14307 Jarrettsville Pk.	NE	Semi Annual	P/G
MW- 36C	14307 Jarrettsville Pk.	NE	Semi Annual	H/S (274.5)
MW- 36R	14307 Jarrettsville Pk.	NE	Semi Annual	P/G
MW- 37	14307 Jarrettsville Pk.	NE	Quarterly	P/G
MW- 38	14311 Jarrettsville Pk.	NE	Quarterly	P/G

MW- 38B	14311 Jarrettsville Pk.	NE	Semi Annual	P/G
MW- 38C	14311 Jarrettsville Pk.	NE	Quarterly	H/S (210, 298)
MW- 40	14223 Robcaste Road	SW	Quarterly	P/G
MW- 45	14307 Jarrettsville Pk.	NE	Quarterly	P/G
MW- 45R	14307 Jarrettsville Pk.	NE	Quarterly	P/G
MW- 47BB	3501 Hampshire Glen Ct.	NE	Semi Annual	P/G
MW- 47C	3501 Hampshire Glen Ct.	NE	Semi Annual	H/S 5 intervals
MW- 48D	Hampshire Glen Ct.	NE	Semi Annual	H/S (229)
MW- 52	14242 Jarrettsville Pike	SW	Semi Annual	P/G
MW- 54	14307 Jarrettsville Pk.	NE	Quarterly	P/G
MW- 54B [R]	14307 Jarrettsville Pk.	NE	Quarterly	P/G
MW- 54C	14307 Jarrettsville Pk.	NE	Semi Annual	H/S (210, 298)
MW- 57	3501 Hampshire Glen Ct.	NE	Semi Annual	P/G
MW- 58	3501 Hampshire Glen Ct.	NE	Semi Annual	P/G
MW- 59A	Hampshire Glen Ct.	NE	Semi Annual	P/G
MW- 59B	Hampshire Glen Ct.	NE	Quarterly	P/G
MW- 59D	Hampshire Glen Ct.	NE	Semi Annual	P/G
MW- 72	14223 Robcaste Road	SW	Semi Annual	P/G
MW- 73C	14315 Jarrettsville Pk.	NE	Quarterly	H/S (210, 298)
MW- 75	3503 Hampshire Glen Ct.	NE	Quarterly	P/G
MW- 76	3506 Hampshire Glen Ct.	NE	Semi Annual	P/G
MW- 77A	3508 Hampshire Glen Ct.	NE	Semi Annual	P/G
MW- 77B	3508 Hampshire Glen Ct.	NE	Semi Annual	P/G
MW- 78A	3605B Southside Ave	NE	Quarterly	P/G
MW- 78C	3605B Southside Ave	NE	Semi Annual	H/S (180)
MW- 80A	3600 Hampshire Glen Ct.	NE	Semi Annual	P/G
MW- 80B	3600 Hampshire Glen Ct.	NE	Semi Annual	P/G
MW- 82	3508 Hampshire Glen Ct.	NE	Quarterly	P/G
MW- 82B	3508 Hampshire Glen Ct.	NE	Quarterly	P/G
MW- 82D	3508 Hampshire Glen Ct.	NE	Quarterly	H/S (250, 378)
MW- 82R	3508 Hampshire Glen Ct.	NE	Quarterly	P/G
MW- 84	14301 Jarrettsville Pk.	NE	Semi Annual	P/G
MW- 85	14301 Jarrettsville Pk.	NE	Semi Annual	P/G
MW- 87	14301 Jarrettsville Pk.	NE	Semi Annual	P/G
MW- 88	14301 Jarrettsville Pk.	NE	Semi Annual	P/G
MW- 89	3508 Hampshire Glen Ct.	NE	Quarterly	P/G
MW- 91	3501 Hampshire Glen Ct.	NE	Semi Annual	P/G

MW- 91C	3501 Hampshire Glen Ct.	NE	Quarterly	P/G
MW- 91D	3501 Hampshire Glen Ct.	NE	Semi Annual	P/G
MW- 99A	3605A Southside Ave	NE	Quarterly	P/G
MW- 101A	3605A Southside Ave	NE	Quarterly	P/G
MW- 105	14258 Jarrettsville Pike	FS	Semi Annual	P/G
MW- 106	3525 Southside Ave	NE	Semi Annual	P/G
MW- 110	14307 Jarrettsville Pk.	NE	Semi Annual	P/G
MW- 121	14301 Jarrettsville Pk.	NE	Quarterly	P/G
MW- 125	14223 Robcaste Road	SW	Semi Annual	P/G
MW- 137	3506 Hampshire Glen	NE	Semi Annual	P/G
MW- 138	3506 Hampshire Glen	NE	Semi Annual	P/G
MW- 138D	3506 Hampshire Glen	NE	Quarterly	H/S 10 intervals
MW- 139	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 144	14258 Jarrettsville Pike	FS	Semi Annual	P/G
MW- 151	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 152	14258 Jarrettsville Pike	FS	Quarterly	P/G
MW- 154	3313A Paper Mill Road	SW	Semi Annual	P/G
MW- 159	14223 Robcaste Road	SW	Semi Annual	P/G
MW- 160	14223 Robcaste Road	SW	Semi Annual	P/G
MW- 168	3501 Hampshire Glen	NE	Semi Annual	H/S 5 intervals
MW- 169	3501 Hampshire Glen	NE	Quarterly	P/G
MW- 170	3501 Hampshire Glen	NE	Quarterly	P/G
MW- 171	3501 Hampshire Glen	NE	Semi Annual	P/G
MW- 171C	3501 Hampshire Glen	NE	Semi Annual	H/S (207.5)
MW- 176	3501 Hampshire Glen	NE	Quarterly	P/G
MW- 176CC	3501 Hampshire Glen	NE	Semi Annual	P/G
MW- 177	3501 Hampshire Glen	NE	Semi Annual	H/S (187.75)
MW- 178B	3501 Hampshire Glen	NE	Quarterly	P/G
MW- 178C [R]	3501 Hampshire Glen	NE	Quarterly	P/G
MW- 179C	3501 Hampshire Glen	NE	Semi Annual	H/S (250)
MW- 180A	3501 Hampshire Glen	NE	Semi Annual	P/G
MW- 180C	3501 Hampshire Glen	NE	Semi Annual	P/G
MW- 181A	14301 Jarrettsville Pk.	NE	Quarterly	P/G
MW- 181B	14301 Jarrettsville Pk.	NE	Semi Annual	P/G
MW- 181C	14301 Jarrettsville Pk.	NE	Quarterly	H/S (212.5)
MW- 182	3501 Hampshire Glen	NE	Quarterly	H/S (200)
MW- 183	3501 Hampshire Glen	NE	Quarterly	P/G

MW- 184	3501 Hampshire Glen	NE	Quarterly	P/G
MW- 185	3501 Hampshire Glen	NE	Quarterly	P/G
MW- 187A [R]	Intersection	NE	Quarterly	P/G
MW- 187B	Intersection	NE	Quarterly	P/G
MW- 187C [R]	Intersection	NE	Quarterly	P/G*
MW- 188D	14311 Jarrettsville Pk.	NE	Quarterly	H/S (250, 378)
MW- 189D	3605A Southside Ave	NE	Quarterly	H/S (79)
SVE- 1	14258 Jarrettsville Pike	FS	Quarterly	P/G
SVE- 2	14258 Jarrettsville Pike	FS	Quarterly	P/G
SVE- 3	14258 Jarrettsville Pike	FS	Quarterly	P/G

FS = Former Station Property
SW = Southwest Project Area
NE = Northeast Project Area
P/G = Purge and Grab
P/G* = Purge and Grab when RW; H/S when not RW
H/S = HydraSleeve® discrete depth sampler
[R] = Recovery Well
N = Never a dectection above MDE Standards

Time Since Last Detection Above MDE Standards (date of last detection > MDE Standards)	Yrs Below MDE Standards
Below standards >3 yrs (2/25/2019)	3
Below standards >6 yrs (9/28/2016)	6
Below standards >10 yrs (12/13/2012)	10
Below standards >7 yrs (9/10/2015)	7
Below standards <1 yr (1/14/2021)	<1
Below standards >4 yrs (8/23/2018)	4
Below standards >13 yrs (3/10/2009)	13
Below standards >9 yrs (6/14/2013)	9
Below standards >3 yrs (2/22/2019)	3
Below standards >16 yrs (4/16/2006)	16
Below standards >15 yrs (10/31/2007)	15
Never above standards >16 yrs	N
Below standards >5 yrs (9/28/2017)	5
Below standards >16 yrs (3/13/2006)	16
Below standards >8 yrs (6/23/2014)	8
Below standards >1 yr (4/16/2021)	1
Below standards >14 yrs (5/21/2008)	14
Below standards >6 yrs (3/14/2016)	6
Below standards >15 yrs (8/17/2007)	15
Below standards >5 yrs (12/27/2017)	5
Below standards >12 yrs (9/14/2010)	12
Below standards >14 yrs (5/21/2008)	14
Below standards >12 yrs (9/14/2010)	12
Below standards >14 yrs (2/20/2008)	14
Below standards >3 yrs (2/25/2019)	3
Below standards >3 yrs (6/13/2019)	3
Below standards >2 yrs (7/24/2020)	2
Below standards >5 yrs (12/22/2017)	5
Below standards >8 yrs (6/16/2014)	8
Below standards >2 yrs (3/9/2020)	2
Below standards >9 yrs (3/19/2013)	9
Never above standards >16 yrs	N
Below standards >4 yrs (3/9/2018)	4
Below standards >4 yrs (4/5/2018)	4
Below standards >4 yrs (1/15/2018)	4

Below standards >8 yrs (4/22/2014)	8
Currently above for MTBE (12/6/2022)	
Below standards <1 yr (11/29/2022)	<1
Below standards <1 yr (3/11/2022)	<1
Below standards <1 yr (3/11/2022)	<1
Never above standards >16 yrs	N
Never above standards >10 yrs (12/19/2012)	10
Never above standards >16 yrs	16
Below standards >13 yrs (3/24/2009)	13
Below standards >5 yrs (12/15/2017)	5
Currently above for MTBE (12/6/2022)	
Currently above for MTBE (12/21/2022)	
Below standards >12 yrs (6/10/2010)	12
Below standards >11 yrs; (3/30/2011)	11
Below standards >11 yrs (9/26/2011)	11
Below standards >3 yrs (10/9/2019)	3
Below standards >11 yrs (3/9/2011)	11
Below standards >12 yrs (12/20/2010)	12
Below standards >2 yrs (6/22/2020)	2
Below standards >8 yrs (12/10/2014)	8
Below standards >15 yrs (2/19/2007)	15
Below standards >9 yrs (9/26/2013)	9
Below standards >14 yrs (12/18/2008)	14
Below standards >14 yrs (4/23/2008)	14
Below standards >16 yrs (7/20/2006)	16
Below standards >14 yrs (3/13/2008)	14
Below standards >12 yrs (7/26/2010)	12
Below standards >9 yrs (12/17/2013)	9
Below standards < 1 yr (2/21/2022)	<1
Below standards >3 yrs (2/25/2019)	3
Below standards >8 yrs (1/27/2014)	8
Below standards >9 yrs (3/28/2013)	9
Below standards for 5 yrs (9/19/2017)	5
Below standards >10 yrs (1/23/2012)	10
Below standards >15 yrs (9/17/2007)	15
Below standards >4 yrs (4/4/2018)	4
Never above standards >16 yrs	N

Below standards >8 yrs (5/5/2014)	8
Never above standards >12 yrs	N
Never above standards >16 yrs	N
Never above standards >16 yrs	N
Never above standards >16 yrs	N
Never above standards >16 yrs	N
Below standards >11 yrs (11/8/2011)	11
Below standards >3 yrs (3/4/2019)	3
Below standards >10 yrs (3/22/2012)	10
Below standards >14 yrs (2/18/2006)	14
Below standards > 13 yrs (12/22/2009)	13
Below standards >1 yr (12/13/2021)	1
Currently above for MTBE (12/5/2022)	
Below standards >8 yrs (9/17/2014)	8
Below standards >10 yrs (8/7/2012)	10
Below standards >15 yrs (12/27/2017)	15
Below standards > 14 yrs (1/9/2008)	14
Below standards >12 yrs (6/8/2010)	12
Below standards >10 yrs (3/22/2012)	10
Below standards >7 yrs (11/3/2015)	7
Below standards >10 yrs (7/24/2012)	10
Below standards >10 yrs (7/24/2012)	10
Below standards >6 yrs (1/28/2016)	6
Below standards >12 yrs (8/23/2010)	12
Below standards >5 yrs (3/24/2017)	5
Never above standards >11 yrs	N
Below standards >10 yrs (10/18/2012)	10
Below standards >3 yrs (12/6/2019)	3
Currently above for MTBE (12/5/2022)	
Below standards >4 yrs (10/16/2018)	4
Below standards >12 yrs (11/29/2010)	12
Below standards >11 yrs (9/21/2011)	11
Below standards >3 yrs (5/21/2019)	3
Below standards >8 yrs (8/20/2014)	8
Below standards >4 yrs (8/24/2018)	4
Below standards >3 yrs (3/18/2019)	3
Below standards <1 yr (6/24/2022)	<1

Below standards >2 yrs (4/16/2020)	2
Below standards >6 yrs (2/8/2016)	6
Currently above for Benzene and MTBE (12/5/2022)	
Below standards <1 yr (6/6/2022)	<1
Currently above for MTBE (12/6/2022)	
Below standards >4 yrs	4
Currently above for MTBE (12/21/2022)	
Below standards <1 yr (4/27/2022)	<1
Below standards >3 yrs (2/1/2019)	3
Below standards >3 yrs (11/6/2019)	3

ATTACHMENT 2

LABORATORY ANALYTICAL REPORTS, LANCASTER LABORATORIES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mark Schaaf
Kleinfelder Inc
1745 Dorsey Road
Suite J
Hanover, Maryland 21076

Generated 3/6/2023 6:11:21 AM

JOB DESCRIPTION

2-8077 - Phoenix, MD

JOB NUMBER

410-116147-1

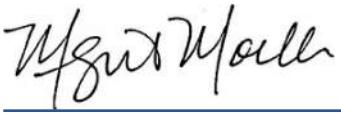
Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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3/6/2023 6:11:21 AM

Authorized for release by
Megan Moeller, Client Services Manager
Megan.Moeller@et.eurofinsus.com
(717)556-7261

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

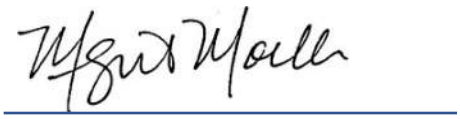


Table of Contents

Sample Summary

Client: Kleinfelder Inc
Job ID: 410-116147-1
Project/Site: 2-8077 - Phoenix, MD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-116147-1	MW-187A	Groundwater	02/20/23 09:55	02/20/23 16:22
410-116147-2	MW-187B	Groundwater	02/20/23 10:00	02/20/23 16:22
410-116147-3	MW-187C	Groundwater	02/20/23 10:50	02/20/23 16:22
410-116147-4	MW-54B	Groundwater	02/20/23 10:55	02/20/23 16:22
410-116147-5	MW-54C H/S 210	Groundwater	02/20/23 11:10	02/20/23 16:22
410-116147-6	MW-54C H/S 298	Groundwater	02/20/23 11:15	02/20/23 16:22
410-116147-7	MW-38C	Groundwater	02/20/23 12:50	02/20/23 16:22
410-116147-8	MW-178C	Groundwater	02/20/23 12:35	02/20/23 16:22

Job ID: 410-116147-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-116147-1

Receipt
The samples were received on 2/20/2023 4:22 PM. 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 1.3°C

Receipt Exceptions
A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 410-349675 recovered outside acceptance criteria, low biased, for t-Butyl alcohol. A reporting limit (RL) standard was analyzed and non-detections of the affected analytes are reported. Any detections are considered estimated.

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

Detection Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-187A — Lab Sample ID: 410-116147-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloroethane	0.80	J	1.0	0.30	ug/L	1		8260C	Total/NA
1,2,4-Trimethylbenzene	59		5.0	1.0	ug/L	1		8260C	Total/NA
1,2-Dibromo-3-Chloropropane	0.89	J	5.0	0.30	ug/L	1		8260C	Total/NA
1,3,5-Trimethylbenzene	47		5.0	0.30	ug/L	1		8260C	Total/NA
2-Butanone	4.2	J	10	0.50	ug/L	1		8260C	Total/NA
2-Hexanone	1.8	J	10	0.85	ug/L	1		8260C	Total/NA
4-Methyl-2-pentanone	1.9	J	10	0.50	ug/L	1		8260C	Total/NA
Acetone	13	J	20	0.70	ug/L	1		8260C	Total/NA
Benzene	120		1.0	0.30	ug/L	1		8260C	Total/NA
di-Isopropyl ether	0.33	J	1.0	0.30	ug/L	1		8260C	Total/NA
Ethylbenzene	70		1.0	0.40	ug/L	1		8260C	Total/NA
Isopropylbenzene	7.6		5.0	0.20	ug/L	1		8260C	Total/NA
m&p-Xylene	320		5.0	2.0	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	44		1.0	0.20	ug/L	1		8260C	Total/NA
Naphthalene	32		5.0	1.0	ug/L	1		8260C	Total/NA
n-Butylbenzene	0.35	J	5.0	0.30	ug/L	1		8260C	Total/NA
n-Hexane	8.7		5.0	2.0	ug/L	1		8260C	Total/NA
N-Propylbenzene	6.1		5.0	0.30	ug/L	1		8260C	Total/NA
o-Xylene	250		1.0	0.40	ug/L	1		8260C	Total/NA
p-Isopropyltoluene	0.56	J	5.0	0.30	ug/L	1		8260C	Total/NA
sec-Butylbenzene	0.46	J	5.0	0.30	ug/L	1		8260C	Total/NA
t-Butyl alcohol	21	J cn	50	12	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	6.3		5.0	0.80	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	0.59	J	1.0	0.30	ug/L	1		8260C	Total/NA
Xylenes, Total	570		1.0	0.40	ug/L	1		8260C	Total/NA
Toluene - DL	300		10	2.0	ug/L	10		8260C	Total/NA

Client Sample ID: MW-187B — Lab Sample ID: 410-116147-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	7.3		5.0	1.0	ug/L	1		8260C	Total/NA
1,3,5-Trimethylbenzene	8.0		5.0	0.30	ug/L	1		8260C	Total/NA
Acetone	1.4	J	20	0.70	ug/L	1		8260C	Total/NA
Benzene	22		1.0	0.30	ug/L	1		8260C	Total/NA
Ethylbenzene	12		1.0	0.40	ug/L	1		8260C	Total/NA
Isopropylbenzene	1.7	J	5.0	0.20	ug/L	1		8260C	Total/NA
m&p-Xylene	59		5.0	2.0	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	7.3		1.0	0.20	ug/L	1		8260C	Total/NA
N-Propylbenzene	1.1	J	5.0	0.30	ug/L	1		8260C	Total/NA
o-Xylene	40		1.0	0.40	ug/L	1		8260C	Total/NA
Toluene	63		1.0	0.20	ug/L	1		8260C	Total/NA
Xylenes, Total	99		1.0	0.40	ug/L	1		8260C	Total/NA

Client Sample ID: MW-187C — Lab Sample ID: 410-116147-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
di-Isopropyl ether	1.9		1.0	0.30	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	13		5.0	0.80	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	7.4		1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether - DL	320		10	2.0	ug/L	10		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-54B — Lab Sample ID: 410-116147-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.44	J	5.0	0.30	ug/L	1		8260C	Total/NA
di-Isopropyl ether	2.8		1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	150		1.0	0.20	ug/L	1		8260C	Total/NA
t-Butyl alcohol	1000	cn	50	12	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	13		5.0	0.80	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	11		1.0	0.30	ug/L	1		8260C	Total/NA

Client Sample ID: MW-54C H/S 210 — Lab Sample ID: 410-116147-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.5	J	5.0	1.0	ug/L	1		8260C	Total/NA
Benzene	22		1.0	0.30	ug/L	1		8260C	Total/NA
di-Isopropyl ether	28		1.0	0.30	ug/L	1		8260C	Total/NA
Ethylbenzene	1.1		1.0	0.40	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	52		1.0	0.20	ug/L	1		8260C	Total/NA
n-Hexane	3.2	J	5.0	2.0	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	6.2		5.0	0.80	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	120		1.0	0.30	ug/L	1		8260C	Total/NA
Toluene	0.37	J	1.0	0.20	ug/L	1		8260C	Total/NA
t-Butyl alcohol - DL	8000		500	120	ug/L	10		8260C	Total/NA

Client Sample ID: MW-54C H/S 298 — Lab Sample ID: 410-116147-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.1	J	5.0	1.0	ug/L	1		8260C	Total/NA
Benzene	24		1.0	0.30	ug/L	1		8260C	Total/NA
di-Isopropyl ether	18		1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	40		1.0	0.20	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	4.8	J	5.0	0.80	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	72		1.0	0.30	ug/L	1		8260C	Total/NA
t-Butyl alcohol - DL	2700		1000	240	ug/L	20		8260C	Total/NA

Client Sample ID: MW-38C — Lab Sample ID: 410-116147-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	21		1.0	0.20	ug/L	1		8260C	Total/NA
t-Butyl alcohol	33	J cn	50	12	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	0.65	J	1.0	0.30	ug/L	1		8260C	Total/NA

Client Sample ID: MW-178C — Lab Sample ID: 410-116147-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
di-Isopropyl ether	0.85	J	1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	62		1.0	0.20	ug/L	1		8260C	Total/NA
t-Butyl alcohol	78	cn	50	12	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	4.2	J	5.0	0.80	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	2.7		1.0	0.30	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-187A
Date Collected: 02/20/23 09:55
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-1
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 03:58	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 03:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 03:58	1
1,1,2-Trichloroethane	**0.80**	**J**	1.0	0.30	ug/L			03/03/23 03:58	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 03:58	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 03:58	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/03/23 03:58	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/03/23 03:58	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/03/23 03:58	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 03:58	1
1,2,4-Trimethylbenzene	**59**		5.0	1.0	ug/L			03/03/23 03:58	1
1,2-Dibromo-3-Chloropropane	**0.89**	**J**	5.0	0.30	ug/L			03/03/23 03:58	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/03/23 03:58	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/03/23 03:58	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 03:58	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 03:58	1
1,3,5-Trimethylbenzene	**47**		5.0	0.30	ug/L			03/03/23 03:58	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/03/23 03:58	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 03:58	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 03:58	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 03:58	1
2-Butanone	**4.2**	**J**	10	0.50	ug/L			03/03/23 03:58	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 03:58	1
2-Hexanone	**1.8**	**J**	10	0.85	ug/L			03/03/23 03:58	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 03:58	1
4-Methyl-2-pentanone	**1.9**	**J**	10	0.50	ug/L			03/03/23 03:58	1
Acetone	**13**	**J**	20	0.70	ug/L			03/03/23 03:58	1
Benzene	**120**		1.0	0.30	ug/L			03/03/23 03:58	1
Bromobenzene	ND		5.0	0.30	ug/L			03/03/23 03:58	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/03/23 03:58	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/03/23 03:58	1
Bromoform	ND		4.0	1.0	ug/L			03/03/23 03:58	1
Bromomethane	ND		1.0	0.30	ug/L			03/03/23 03:58	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/03/23 03:58	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/03/23 03:58	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/03/23 03:58	1
Chloroethane	ND		1.0	0.20	ug/L			03/03/23 03:58	1
Chloroform	ND		1.0	0.30	ug/L			03/03/23 03:58	1
Chloromethane	ND		2.0	0.55	ug/L			03/03/23 03:58	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 03:58	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 03:58	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/03/23 03:58	1
Dibromomethane	ND		1.0	0.30	ug/L			03/03/23 03:58	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/03/23 03:58	1
di-Isopropyl ether	**0.33**	**J**	1.0	0.30	ug/L			03/03/23 03:58	1
Ethylbenzene	**70**		1.0	0.40	ug/L			03/03/23 03:58	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/03/23 03:58	1
Isopropylbenzene	**7.6**		5.0	0.20	ug/L			03/03/23 03:58	1
m&p-Xylene	**320**		5.0	2.0	ug/L			03/03/23 03:58	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-187A
Date Collected: 02/20/23 09:55
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-1
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	**44**		1.0	0.20	ug/L			03/03/23 03:58	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/03/23 03:58	1
Naphthalene	**32**		5.0	1.0	ug/L			03/03/23 03:58	1
n-Butylbenzene	**0.35**	**J**	5.0	0.30	ug/L			03/03/23 03:58	1
n-Hexane	**8.7**		5.0	2.0	ug/L			03/03/23 03:58	1
N-Propylbenzene	**6.1**		5.0	0.30	ug/L			03/03/23 03:58	1
o-Xylene	**250**		1.0	0.40	ug/L			03/03/23 03:58	1
p-Isopropyltoluene	**0.56**	**J**	5.0	0.30	ug/L			03/03/23 03:58	1
sec-Butylbenzene	**0.46**	**J**	5.0	0.30	ug/L			03/03/23 03:58	1
Styrene	ND		5.0	0.30	ug/L			03/03/23 03:58	1
t-Butyl alcohol	**21**	**J cn**	50	12	ug/L			03/03/23 03:58	1
Tert-amyl methyl ether	**6.3**		5.0	0.80	ug/L			03/03/23 03:58	1
Tert-butyl ethyl ether	**0.59**	**J**	1.0	0.30	ug/L			03/03/23 03:58	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 03:58	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/03/23 03:58	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/03/23 03:58	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 03:58	1
Trichloroethene	ND		1.0	0.30	ug/L			03/03/23 03:58	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/03/23 03:58	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/03/23 03:58	1
Xylenes, Total	**570**		1.0	0.40	ug/L			03/03/23 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*03/03/23 03:58*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*03/03/23 03:58*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*03/03/23 03:58*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/03/23 03:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**300**		10	2.0	ug/L			03/04/23 01:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*03/04/23 01:36*	*10*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/04/23 01:36*	*10*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*03/04/23 01:36*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/04/23 01:36*	*10*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-187B
Date Collected: 02/20/23 10:00
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-2
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 04:20	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 04:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 04:20	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 04:20	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 04:20	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 04:20	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/03/23 04:20	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/03/23 04:20	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/03/23 04:20	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 04:20	1
1,2,4-Trimethylbenzene	**7.3**		5.0	1.0	ug/L			03/03/23 04:20	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/03/23 04:20	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/03/23 04:20	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/03/23 04:20	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 04:20	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 04:20	1
1,3,5-Trimethylbenzene	**8.0**		5.0	0.30	ug/L			03/03/23 04:20	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/03/23 04:20	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 04:20	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 04:20	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 04:20	1
2-Butanone	ND		10	0.50	ug/L			03/03/23 04:20	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 04:20	1
2-Hexanone	ND		10	0.85	ug/L			03/03/23 04:20	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 04:20	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/03/23 04:20	1
Acetone	**1.4**	**J**	20	0.70	ug/L			03/03/23 04:20	1
Benzene	**22**		1.0	0.30	ug/L			03/03/23 04:20	1
Bromobenzene	ND		5.0	0.30	ug/L			03/03/23 04:20	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/03/23 04:20	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/03/23 04:20	1
Bromoform	ND		4.0	1.0	ug/L			03/03/23 04:20	1
Bromomethane	ND		1.0	0.30	ug/L			03/03/23 04:20	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/03/23 04:20	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/03/23 04:20	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/03/23 04:20	1
Chloroethane	ND		1.0	0.20	ug/L			03/03/23 04:20	1
Chloroform	ND		1.0	0.30	ug/L			03/03/23 04:20	1
Chloromethane	ND		2.0	0.55	ug/L			03/03/23 04:20	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 04:20	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 04:20	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/03/23 04:20	1
Dibromomethane	ND		1.0	0.30	ug/L			03/03/23 04:20	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/03/23 04:20	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			03/03/23 04:20	1
Ethylbenzene	**12**		1.0	0.40	ug/L			03/03/23 04:20	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/03/23 04:20	1
Isopropylbenzene	**1.7**	**J**	5.0	0.20	ug/L			03/03/23 04:20	1
m&p-Xylene	**59**		5.0	2.0	ug/L			03/03/23 04:20	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-187B
Date Collected: 02/20/23 10:00
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-2
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	**7.3**		1.0	0.20	ug/L			03/03/23 04:20	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/03/23 04:20	1
Naphthalene	ND		5.0	1.0	ug/L			03/03/23 04:20	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 04:20	1
n-Hexane	ND		5.0	2.0	ug/L			03/03/23 04:20	1
N-Propylbenzene	**1.1**	**J**	5.0	0.30	ug/L			03/03/23 04:20	1
o-Xylene	**40**		1.0	0.40	ug/L			03/03/23 04:20	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/03/23 04:20	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 04:20	1
Styrene	ND		5.0	0.30	ug/L			03/03/23 04:20	1
t-Butyl alcohol	ND	cn	50	12	ug/L			03/03/23 04:20	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			03/03/23 04:20	1
Tert-butyl ethyl ether	ND		1.0	0.30	ug/L			03/03/23 04:20	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 04:20	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/03/23 04:20	1
Toluene	**63**		1.0	0.20	ug/L			03/03/23 04:20	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/03/23 04:20	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 04:20	1
Trichloroethene	ND		1.0	0.30	ug/L			03/03/23 04:20	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/03/23 04:20	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/03/23 04:20	1
Xylenes, Total	**99**		1.0	0.40	ug/L			03/03/23 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*03/03/23 04:20*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*03/03/23 04:20*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*03/03/23 04:20*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/03/23 04:20*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-187C
Date Collected: 02/20/23 10:50
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-3
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 04:42	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 04:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 04:42	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 04:42	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 04:42	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 04:42	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/03/23 04:42	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/03/23 04:42	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/03/23 04:42	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 04:42	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/03/23 04:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/03/23 04:42	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/03/23 04:42	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/03/23 04:42	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 04:42	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 04:42	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/03/23 04:42	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/03/23 04:42	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 04:42	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 04:42	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 04:42	1
2-Butanone	ND		10	0.50	ug/L			03/03/23 04:42	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 04:42	1
2-Hexanone	ND		10	0.85	ug/L			03/03/23 04:42	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 04:42	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/03/23 04:42	1
Acetone	ND		20	0.70	ug/L			03/03/23 04:42	1
Benzene	ND		1.0	0.30	ug/L			03/03/23 04:42	1
Bromobenzene	ND		5.0	0.30	ug/L			03/03/23 04:42	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/03/23 04:42	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/03/23 04:42	1
Bromoform	ND		4.0	1.0	ug/L			03/03/23 04:42	1
Bromomethane	ND		1.0	0.30	ug/L			03/03/23 04:42	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/03/23 04:42	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/03/23 04:42	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/03/23 04:42	1
Chloroethane	ND		1.0	0.20	ug/L			03/03/23 04:42	1
Chloroform	ND		1.0	0.30	ug/L			03/03/23 04:42	1
Chloromethane	ND		2.0	0.55	ug/L			03/03/23 04:42	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 04:42	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 04:42	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/03/23 04:42	1
Dibromomethane	ND		1.0	0.30	ug/L			03/03/23 04:42	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/03/23 04:42	1
di-Isopropyl ether	**1.9**		1.0	0.30	ug/L			03/03/23 04:42	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/03/23 04:42	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/03/23 04:42	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/03/23 04:42	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/03/23 04:42	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-187C
Date Collected: 02/20/23 10:50
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-3
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.30	ug/L			03/03/23 04:42	1
Naphthalene	ND		5.0	1.0	ug/L			03/03/23 04:42	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 04:42	1
n-Hexane	ND		5.0	2.0	ug/L			03/03/23 04:42	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/03/23 04:42	1
o-Xylene	ND		1.0	0.40	ug/L			03/03/23 04:42	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/03/23 04:42	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 04:42	1
Styrene	ND		5.0	0.30	ug/L			03/03/23 04:42	1
t-Butyl alcohol	ND	cn	50	12	ug/L			03/03/23 04:42	1
Tert-amyl methyl ether	**13**		5.0	0.80	ug/L			03/03/23 04:42	1
Tert-butyl ethyl ether	**7.4**		1.0	0.30	ug/L			03/03/23 04:42	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 04:42	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/03/23 04:42	1
Toluene	ND		1.0	0.20	ug/L			03/03/23 04:42	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/03/23 04:42	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 04:42	1
Trichloroethene	ND		1.0	0.30	ug/L			03/03/23 04:42	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/03/23 04:42	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/03/23 04:42	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/03/23 04:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*03/03/23 04:42*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/03/23 04:42*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*03/03/23 04:42*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/03/23 04:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	**320**		10	2.0	ug/L			03/04/23 01:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*03/04/23 01:58*	*10*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/04/23 01:58*	*10*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*03/04/23 01:58*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/04/23 01:58*	*10*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-54B
Date Collected: 02/20/23 10:55
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-4
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 07:38	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 07:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 07:38	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 07:38	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 07:38	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 07:38	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/03/23 07:38	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/03/23 07:38	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/03/23 07:38	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 07:38	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/03/23 07:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/03/23 07:38	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/03/23 07:38	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/03/23 07:38	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 07:38	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 07:38	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/03/23 07:38	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/03/23 07:38	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 07:38	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 07:38	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 07:38	1
2-Butanone	ND		10	0.50	ug/L			03/03/23 07:38	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 07:38	1
2-Hexanone	ND		10	0.85	ug/L			03/03/23 07:38	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 07:38	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/03/23 07:38	1
Acetone	ND		20	0.70	ug/L			03/03/23 07:38	1
Benzene	ND		1.0	0.30	ug/L			03/03/23 07:38	1
Bromobenzene	ND		5.0	0.30	ug/L			03/03/23 07:38	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/03/23 07:38	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/03/23 07:38	1
Bromoform	ND		4.0	1.0	ug/L			03/03/23 07:38	1
Bromomethane	ND		1.0	0.30	ug/L			03/03/23 07:38	1
Carbon disulfide	**0.44**	**J**	5.0	0.30	ug/L			03/03/23 07:38	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/03/23 07:38	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/03/23 07:38	1
Chloroethane	ND		1.0	0.20	ug/L			03/03/23 07:38	1
Chloroform	ND		1.0	0.30	ug/L			03/03/23 07:38	1
Chloromethane	ND		2.0	0.55	ug/L			03/03/23 07:38	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 07:38	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 07:38	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/03/23 07:38	1
Dibromomethane	ND		1.0	0.30	ug/L			03/03/23 07:38	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/03/23 07:38	1
di-Isopropyl ether	**2.8**		1.0	0.30	ug/L			03/03/23 07:38	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/03/23 07:38	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/03/23 07:38	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/03/23 07:38	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/03/23 07:38	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-54B
Date Collected: 02/20/23 10:55
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-4
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	**150**		1.0	0.20	ug/L			03/03/23 07:38	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/03/23 07:38	1
Naphthalene	ND		5.0	1.0	ug/L			03/03/23 07:38	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 07:38	1
n-Hexane	ND		5.0	2.0	ug/L			03/03/23 07:38	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/03/23 07:38	1
o-Xylene	ND		1.0	0.40	ug/L			03/03/23 07:38	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/03/23 07:38	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 07:38	1
Styrene	ND		5.0	0.30	ug/L			03/03/23 07:38	1
t-Butyl alcohol	**1000**	**cn**	50	12	ug/L			03/03/23 07:38	1
Tert-amyl methyl ether	**13**		5.0	0.80	ug/L			03/03/23 07:38	1
Tert-butyl ethyl ether	**11**		1.0	0.30	ug/L			03/03/23 07:38	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 07:38	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/03/23 07:38	1
Toluene	ND		1.0	0.20	ug/L			03/03/23 07:38	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/03/23 07:38	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 07:38	1
Trichloroethene	ND		1.0	0.30	ug/L			03/03/23 07:38	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/03/23 07:38	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/03/23 07:38	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/03/23 07:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*03/03/23 07:38*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/03/23 07:38*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*03/03/23 07:38*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/03/23 07:38*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-54C H/S 210
Date Collected: 02/20/23 11:10
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-5
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 05:04	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 05:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 05:04	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 05:04	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 05:04	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 05:04	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/03/23 05:04	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/03/23 05:04	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/03/23 05:04	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 05:04	1
1,2,4-Trimethylbenzene	**1.5**	**J**	5.0	1.0	ug/L			03/03/23 05:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/03/23 05:04	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/03/23 05:04	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/03/23 05:04	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 05:04	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 05:04	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:04	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/03/23 05:04	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 05:04	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 05:04	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 05:04	1
2-Butanone	ND		10	0.50	ug/L			03/03/23 05:04	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 05:04	1
2-Hexanone	ND		10	0.85	ug/L			03/03/23 05:04	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 05:04	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/03/23 05:04	1
Acetone	ND		20	0.70	ug/L			03/03/23 05:04	1
Benzene	**22**		1.0	0.30	ug/L			03/03/23 05:04	1
Bromobenzene	ND		5.0	0.30	ug/L			03/03/23 05:04	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/03/23 05:04	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/03/23 05:04	1
Bromoform	ND		4.0	1.0	ug/L			03/03/23 05:04	1
Bromomethane	ND		1.0	0.30	ug/L			03/03/23 05:04	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/03/23 05:04	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/03/23 05:04	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/03/23 05:04	1
Chloroethane	ND		1.0	0.20	ug/L			03/03/23 05:04	1
Chloroform	ND		1.0	0.30	ug/L			03/03/23 05:04	1
Chloromethane	ND		2.0	0.55	ug/L			03/03/23 05:04	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 05:04	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 05:04	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/03/23 05:04	1
Dibromomethane	ND		1.0	0.30	ug/L			03/03/23 05:04	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/03/23 05:04	1
di-Isopropyl ether	**28**		1.0	0.30	ug/L			03/03/23 05:04	1
Ethylbenzene	**1.1**		1.0	0.40	ug/L			03/03/23 05:04	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/03/23 05:04	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/03/23 05:04	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/03/23 05:04	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-54C H/S 210
Date Collected: 02/20/23 11:10
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-5
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	**52**		1.0	0.20	ug/L			03/03/23 05:04	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/03/23 05:04	1
Naphthalene	ND		5.0	1.0	ug/L			03/03/23 05:04	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:04	1
n-Hexane	**3.2**	**J**	5.0	2.0	ug/L			03/03/23 05:04	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:04	1
o-Xylene	ND		1.0	0.40	ug/L			03/03/23 05:04	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/03/23 05:04	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:04	1
Styrene	ND		5.0	0.30	ug/L			03/03/23 05:04	1
Tert-amyl methyl ether	**6.2**		5.0	0.80	ug/L			03/03/23 05:04	1
Tert-butyl ethyl ether	**120**		1.0	0.30	ug/L			03/03/23 05:04	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:04	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/03/23 05:04	1
Toluene	**0.37**	**J**	1.0	0.20	ug/L			03/03/23 05:04	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/03/23 05:04	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 05:04	1
Trichloroethene	ND		1.0	0.30	ug/L			03/03/23 05:04	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/03/23 05:04	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/03/23 05:04	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/03/23 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*03/03/23 05:04*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*03/03/23 05:04*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*03/03/23 05:04*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/03/23 05:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Butyl alcohol	**8000**		500	120	ug/L			03/04/23 02:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*03/04/23 02:19*	*10*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/04/23 02:19*	*10*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/04/23 02:19*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/04/23 02:19*	*10*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-54C H/S 298
Date Collected: 02/20/23 11:15
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-6
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 05:26	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 05:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 05:26	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 05:26	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 05:26	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 05:26	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/03/23 05:26	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/03/23 05:26	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/03/23 05:26	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 05:26	1
1,2,4-Trimethylbenzene	**1.1**	**J**	5.0	1.0	ug/L			03/03/23 05:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/03/23 05:26	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/03/23 05:26	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/03/23 05:26	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 05:26	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 05:26	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:26	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/03/23 05:26	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 05:26	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 05:26	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 05:26	1
2-Butanone	ND		10	0.50	ug/L			03/03/23 05:26	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 05:26	1
2-Hexanone	ND		10	0.85	ug/L			03/03/23 05:26	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 05:26	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/03/23 05:26	1
Acetone	ND		20	0.70	ug/L			03/03/23 05:26	1
Benzene	**24**		1.0	0.30	ug/L			03/03/23 05:26	1
Bromobenzene	ND		5.0	0.30	ug/L			03/03/23 05:26	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/03/23 05:26	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/03/23 05:26	1
Bromoform	ND		4.0	1.0	ug/L			03/03/23 05:26	1
Bromomethane	ND		1.0	0.30	ug/L			03/03/23 05:26	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/03/23 05:26	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/03/23 05:26	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/03/23 05:26	1
Chloroethane	ND		1.0	0.20	ug/L			03/03/23 05:26	1
Chloroform	ND		1.0	0.30	ug/L			03/03/23 05:26	1
Chloromethane	ND		2.0	0.55	ug/L			03/03/23 05:26	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 05:26	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 05:26	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/03/23 05:26	1
Dibromomethane	ND		1.0	0.30	ug/L			03/03/23 05:26	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/03/23 05:26	1
di-Isopropyl ether	**18**		1.0	0.30	ug/L			03/03/23 05:26	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/03/23 05:26	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/03/23 05:26	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/03/23 05:26	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/03/23 05:26	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-54C H/S 298
Date Collected: 02/20/23 11:15
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-6
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	**40**		1.0	0.20	ug/L			03/03/23 05:26	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/03/23 05:26	1
Naphthalene	ND		5.0	1.0	ug/L			03/03/23 05:26	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:26	1
n-Hexane	ND		5.0	2.0	ug/L			03/03/23 05:26	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:26	1
o-Xylene	ND		1.0	0.40	ug/L			03/03/23 05:26	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/03/23 05:26	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:26	1
Styrene	ND		5.0	0.30	ug/L			03/03/23 05:26	1
Tert-amyl methyl ether	**4.8**	**J**	5.0	0.80	ug/L			03/03/23 05:26	1
Tert-butyl ethyl ether	**72**		1.0	0.30	ug/L			03/03/23 05:26	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:26	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/03/23 05:26	1
Toluene	ND		1.0	0.20	ug/L			03/03/23 05:26	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/03/23 05:26	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 05:26	1
Trichloroethene	ND		1.0	0.30	ug/L			03/03/23 05:26	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/03/23 05:26	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/03/23 05:26	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/03/23 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*03/03/23 05:26*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*03/03/23 05:26*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*03/03/23 05:26*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/03/23 05:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Butyl alcohol	**2700**		1000	240	ug/L			03/04/23 02:42	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*03/04/23 02:42*	*20*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*03/04/23 02:42*	*20*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*03/04/23 02:42*	*20*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/04/23 02:42*	*20*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-38C
Date Collected: 02/20/23 12:50
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-7
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 05:48	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 05:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 05:48	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 05:48	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 05:48	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 05:48	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/03/23 05:48	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/03/23 05:48	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/03/23 05:48	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 05:48	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/03/23 05:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/03/23 05:48	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/03/23 05:48	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/03/23 05:48	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 05:48	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 05:48	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:48	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/03/23 05:48	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 05:48	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 05:48	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 05:48	1
2-Butanone	ND		10	0.50	ug/L			03/03/23 05:48	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 05:48	1
2-Hexanone	ND		10	0.85	ug/L			03/03/23 05:48	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 05:48	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/03/23 05:48	1
Acetone	ND		20	0.70	ug/L			03/03/23 05:48	1
Benzene	ND		1.0	0.30	ug/L			03/03/23 05:48	1
Bromobenzene	ND		5.0	0.30	ug/L			03/03/23 05:48	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/03/23 05:48	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/03/23 05:48	1
Bromoform	ND		4.0	1.0	ug/L			03/03/23 05:48	1
Bromomethane	ND		1.0	0.30	ug/L			03/03/23 05:48	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/03/23 05:48	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/03/23 05:48	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/03/23 05:48	1
Chloroethane	ND		1.0	0.20	ug/L			03/03/23 05:48	1
Chloroform	ND		1.0	0.30	ug/L			03/03/23 05:48	1
Chloromethane	ND		2.0	0.55	ug/L			03/03/23 05:48	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 05:48	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 05:48	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/03/23 05:48	1
Dibromomethane	ND		1.0	0.30	ug/L			03/03/23 05:48	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/03/23 05:48	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			03/03/23 05:48	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/03/23 05:48	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/03/23 05:48	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/03/23 05:48	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/03/23 05:48	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-38C
Date Collected: 02/20/23 12:50
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-7
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	**21**		1.0	0.20	ug/L			03/03/23 05:48	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/03/23 05:48	1
Naphthalene	ND		5.0	1.0	ug/L			03/03/23 05:48	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:48	1
n-Hexane	ND		5.0	2.0	ug/L			03/03/23 05:48	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:48	1
o-Xylene	ND		1.0	0.40	ug/L			03/03/23 05:48	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/03/23 05:48	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:48	1
Styrene	ND		5.0	0.30	ug/L			03/03/23 05:48	1
t-Butyl alcohol	**33**	**J cn**	50	12	ug/L			03/03/23 05:48	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			03/03/23 05:48	1
Tert-butyl ethyl ether	**0.65**	**J**	1.0	0.30	ug/L			03/03/23 05:48	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 05:48	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/03/23 05:48	1
Toluene	ND		1.0	0.20	ug/L			03/03/23 05:48	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/03/23 05:48	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 05:48	1
Trichloroethene	ND		1.0	0.30	ug/L			03/03/23 05:48	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/03/23 05:48	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/03/23 05:48	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/03/23 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*03/03/23 05:48*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/03/23 05:48*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*03/03/23 05:48*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/03/23 05:48*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-178C
Date Collected: 02/20/23 12:35
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-8
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 06:10	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 06:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 06:10	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 06:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 06:10	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 06:10	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/03/23 06:10	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/03/23 06:10	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/03/23 06:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 06:10	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/03/23 06:10	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/03/23 06:10	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/03/23 06:10	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/03/23 06:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 06:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 06:10	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/03/23 06:10	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/03/23 06:10	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 06:10	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 06:10	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 06:10	1
2-Butanone	ND		10	0.50	ug/L			03/03/23 06:10	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 06:10	1
2-Hexanone	ND		10	0.85	ug/L			03/03/23 06:10	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 06:10	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/03/23 06:10	1
Acetone	ND		20	0.70	ug/L			03/03/23 06:10	1
Benzene	ND		1.0	0.30	ug/L			03/03/23 06:10	1
Bromobenzene	ND		5.0	0.30	ug/L			03/03/23 06:10	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/03/23 06:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/03/23 06:10	1
Bromoform	ND		4.0	1.0	ug/L			03/03/23 06:10	1
Bromomethane	ND		1.0	0.30	ug/L			03/03/23 06:10	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/03/23 06:10	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/03/23 06:10	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/03/23 06:10	1
Chloroethane	ND		1.0	0.20	ug/L			03/03/23 06:10	1
Chloroform	ND		1.0	0.30	ug/L			03/03/23 06:10	1
Chloromethane	ND		2.0	0.55	ug/L			03/03/23 06:10	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 06:10	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 06:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/03/23 06:10	1
Dibromomethane	ND		1.0	0.30	ug/L			03/03/23 06:10	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/03/23 06:10	1
di-Isopropyl ether	**0.85**	**J**	1.0	0.30	ug/L			03/03/23 06:10	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/03/23 06:10	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/03/23 06:10	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/03/23 06:10	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/03/23 06:10	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Client Sample ID: MW-178C
Date Collected: 02/20/23 12:35
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116147-8
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	**62**		1.0	0.20	ug/L			03/03/23 06:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/03/23 06:10	1
Naphthalene	ND		5.0	1.0	ug/L			03/03/23 06:10	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 06:10	1
n-Hexane	ND		5.0	2.0	ug/L			03/03/23 06:10	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/03/23 06:10	1
o-Xylene	ND		1.0	0.40	ug/L			03/03/23 06:10	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/03/23 06:10	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 06:10	1
Styrene	ND		5.0	0.30	ug/L			03/03/23 06:10	1
t-Butyl alcohol	**78**	**cn**	50	12	ug/L			03/03/23 06:10	1
Tert-amyl methyl ether	**4.2**	**J**	5.0	0.80	ug/L			03/03/23 06:10	1
Tert-butyl ethyl ether	**2.7**		1.0	0.30	ug/L			03/03/23 06:10	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 06:10	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/03/23 06:10	1
Toluene	ND		1.0	0.20	ug/L			03/03/23 06:10	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/03/23 06:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 06:10	1
Trichloroethene	ND		1.0	0.30	ug/L			03/03/23 06:10	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/03/23 06:10	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/03/23 06:10	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/03/23 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*03/03/23 06:10*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/03/23 06:10*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*03/03/23 06:10*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/03/23 06:10*	*1*

Surrogate Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

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

Matrix: Groundwater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-116147-1	MW-187A	102	97	99	98
410-116147-1 - DL	MW-187A	102	95	104	101
410-116147-2	MW-187B	101	96	99	97
410-116147-3	MW-187C	103	95	98	96
410-116147-3 - DL	MW-187C	105	92	105	101
410-116147-4	MW-54B	100	95	98	98
410-116147-5	MW-54C H/S 210	99	96	97	97
410-116147-5 - DL	MW-54C H/S 210	103	92	106	100
410-116147-6	MW-54C H/S 298	101	96	98	98
410-116147-6 - DL	MW-54C H/S 298	105	92	108	101
410-116147-7	MW-38C	102	95	98	98
410-116147-8	MW-178C	103	95	99	97

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
LCS 410-349675/4	Lab Control Sample	99	97	98	99
LCS 410-350135/4	Lab Control Sample	102	96	102	102
MB 410-349675/7	Method Blank	101	96	98	98
MB 410-350135/6	Method Blank	105	90	106	100

Surrogate Legend

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

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

Lab Sample ID: MB 410-349675/7
Matrix: Water
Analysis Batch: 349675

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 22:50	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 22:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/02/23 22:50	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/02/23 22:50	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 22:50	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 22:50	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/02/23 22:50	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/02/23 22:50	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/02/23 22:50	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 22:50	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/02/23 22:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/02/23 22:50	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/02/23 22:50	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/02/23 22:50	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/02/23 22:50	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 22:50	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/02/23 22:50	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/02/23 22:50	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 22:50	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/02/23 22:50	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/02/23 22:50	1
2-Butanone	ND		10	0.50	ug/L			03/02/23 22:50	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/02/23 22:50	1
2-Hexanone	ND		10	0.85	ug/L			03/02/23 22:50	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/02/23 22:50	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/02/23 22:50	1
Acetone	ND		20	0.70	ug/L			03/02/23 22:50	1
Benzene	ND		1.0	0.30	ug/L			03/02/23 22:50	1
Bromobenzene	ND		5.0	0.30	ug/L			03/02/23 22:50	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/02/23 22:50	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/02/23 22:50	1
Bromoform	ND		4.0	1.0	ug/L			03/02/23 22:50	1
Bromomethane	ND		1.0	0.30	ug/L			03/02/23 22:50	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/02/23 22:50	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/02/23 22:50	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/02/23 22:50	1
Chloroethane	ND		1.0	0.20	ug/L			03/02/23 22:50	1
Chloroform	ND		1.0	0.30	ug/L			03/02/23 22:50	1
Chloromethane	ND		2.0	0.55	ug/L			03/02/23 22:50	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/02/23 22:50	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 22:50	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/02/23 22:50	1
Dibromomethane	ND		1.0	0.30	ug/L			03/02/23 22:50	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/02/23 22:50	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			03/02/23 22:50	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/02/23 22:50	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/02/23 22:50	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/02/23 22:50	1

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

Lab Sample ID: MB 410-349675/7
Matrix: Water
Analysis Batch: 349675

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			03/02/23 22:50	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/02/23 22:50	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/02/23 22:50	1
Naphthalene	ND		5.0	1.0	ug/L			03/02/23 22:50	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/02/23 22:50	1
n-Hexane	ND		5.0	2.0	ug/L			03/02/23 22:50	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/02/23 22:50	1
o-Xylene	ND		1.0	0.40	ug/L			03/02/23 22:50	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/02/23 22:50	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/02/23 22:50	1
Styrene	ND		5.0	0.30	ug/L			03/02/23 22:50	1
t-Butyl alcohol	ND		50	12	ug/L			03/02/23 22:50	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			03/02/23 22:50	1
Tert-butyl ethyl ether	ND		1.0	0.30	ug/L			03/02/23 22:50	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/02/23 22:50	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/02/23 22:50	1
Toluene	ND		1.0	0.20	ug/L			03/02/23 22:50	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/02/23 22:50	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/02/23 22:50	1
Trichloroethene	ND		1.0	0.30	ug/L			03/02/23 22:50	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/02/23 22:50	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/02/23 22:50	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/02/23 22:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*03/02/23 22:50*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*03/02/23 22:50*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*03/02/23 22:50*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/02/23 22:50*	*1*

Lab Sample ID: LCS 410-349675/4
Matrix: Water
Analysis Batch: 349675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	18.9		ug/L		95	78 - 120
1,1,1-Trichloroethane	20.0	19.3		ug/L		97	67 - 126
1,1,2,2-Tetrachloroethane	20.0	19.6		ug/L		98	72 - 120
1,1,2-Trichloroethane	20.0	19.8		ug/L		99	80 - 120
1,1-Dichloroethane	20.0	19.3		ug/L		96	80 - 120
1,1-Dichloroethene	20.0	20.0		ug/L		100	80 - 131
1,1-Dichloropropene	20.0	20.4		ug/L		102	78 - 120
1,2,3-Trichlorobenzene	20.0	21.0		ug/L		105	66 - 120
1,2,3-Trichloropropane	20.0	19.9		ug/L		100	75 - 124
1,2,4-Trichlorobenzene	20.0	20.4		ug/L		102	63 - 120
1,2,4-Trimethylbenzene	20.0	20.1		ug/L		100	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.8		ug/L		84	47 - 131
1,2-Dibromoethane	20.0	19.8		ug/L		99	77 - 120

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

Lab Sample ID: LCS 410-349675/4
Matrix: Water
Analysis Batch: 349675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120
1,2-Dichloroethane	20.0	19.1		ug/L		95	73 - 124
1,2-Dichloropropane	20.0	19.7		ug/L		98	80 - 120
1,3,5-Trimethylbenzene	20.0	20.2		ug/L		101	75 - 120
1,3-Dichlorobenzene	20.0	20.0		ug/L		100	80 - 120
1,3-Dichloropropane	20.0	20.0		ug/L		100	80 - 120
1,4-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 120
2,2-Dichloropropane	20.0	19.2		ug/L		96	55 - 142
2-Butanone	250	243		ug/L		97	59 - 135
2-Chlorotoluene	20.0	20.4		ug/L		102	80 - 120
2-Hexanone	250	239		ug/L		95	56 - 135
4-Chlorotoluene	20.0	20.5		ug/L		102	80 - 120
4-Methyl-2-pentanone	250	242		ug/L		97	62 - 133
Acetone	250	225		ug/L		90	54 - 157
Benzene	20.0	20.7		ug/L		103	80 - 120
Bromobenzene	20.0	20.5		ug/L		102	80 - 120
Bromochloromethane	20.0	20.4		ug/L		102	80 - 120
Bromodichloromethane	20.0	19.0		ug/L		95	71 - 120
Bromoform	20.0	16.9		ug/L		84	51 - 120
Bromomethane	20.0	15.9		ug/L		79	53 - 128
Carbon disulfide	20.0	18.4		ug/L		92	65 - 128
Carbon tetrachloride	20.0	18.8		ug/L		94	64 - 134
Chlorobenzene	20.0	19.7		ug/L		99	80 - 120
Chloroethane	20.0	16.5		ug/L		83	55 - 123
Chloroform	20.0	19.4		ug/L		97	80 - 120
Chloromethane	20.0	13.2		ug/L		66	56 - 121
cis-1,2-Dichloroethene	20.0	20.6		ug/L		103	80 - 125
cis-1,3-Dichloropropene	20.0	18.7		ug/L		94	75 - 120
Dibromochloromethane	20.0	18.1		ug/L		90	71 - 120
Dibromomethane	20.0	19.9		ug/L		100	80 - 120
Dichlorodifluoromethane	20.0	10.9		ug/L		54	41 - 127
di-Isopropyl ether	20.0	18.5		ug/L		92	70 - 124
Ethylbenzene	20.0	20.0		ug/L		100	80 - 120
Hexachlorobutadiene	20.0	20.2		ug/L		101	63 - 120
Isopropylbenzene	20.0	20.5		ug/L		102	80 - 120
m&p-Xylene	40.0	40.8		ug/L		102	80 - 120
Methyl tertiary butyl ether	20.0	18.7		ug/L		94	69 - 122
Methylene Chloride	20.0	20.2		ug/L		101	80 - 120
Naphthalene	20.0	20.3		ug/L		101	53 - 124
n-Butylbenzene	20.0	20.3		ug/L		102	76 - 120
n-Hexane	20.0	19.7		ug/L		99	61 - 138
N-Propylbenzene	20.0	20.4		ug/L		102	79 - 121
o-Xylene	20.0	20.2		ug/L		101	80 - 120
p-Isopropyltoluene	20.0	20.5		ug/L		102	76 - 120
sec-Butylbenzene	20.0	20.6		ug/L		103	77 - 120
Styrene	20.0	19.7		ug/L		98	80 - 120
t-Butyl alcohol	200	149		ug/L		75	60 - 130
Tert-amyl methyl ether	20.0	19.8		ug/L		99	66 - 120
Tert-butyl ethyl ether	20.0	19.1		ug/L		96	68 - 121

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

Lab Sample ID: LCS 410-349675/4
Matrix: Water
Analysis Batch: 349675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
tert-Butylbenzene	20.0	20.7		ug/L		103	78 - 120
Tetrachloroethene	20.0	20.0		ug/L		100	80 - 120
Toluene	20.0	20.0		ug/L		100	80 - 120
trans-1,2-Dichloroethene	20.0	20.0		ug/L		100	80 - 126
trans-1,3-Dichloropropene	20.0	18.6		ug/L		93	67 - 120
Trichloroethene	20.0	19.9		ug/L		99	80 - 120
Trichlorofluoromethane	20.0	14.4		ug/L		72	55 - 135
Vinyl chloride	20.0	13.8		ug/L		69	56 - 120
Xylenes, Total	60.0	61.0		ug/L		102	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 410-350135/6
Matrix: Water
Analysis Batch: 350135

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 22:17	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 22:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/03/23 22:17	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/03/23 22:17	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 22:17	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 22:17	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/03/23 22:17	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/03/23 22:17	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/03/23 22:17	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 22:17	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/03/23 22:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/03/23 22:17	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/03/23 22:17	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/03/23 22:17	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/03/23 22:17	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 22:17	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/03/23 22:17	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/03/23 22:17	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 22:17	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/03/23 22:17	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/03/23 22:17	1
2-Butanone	ND		10	0.50	ug/L			03/03/23 22:17	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 22:17	1
2-Hexanone	ND		10	0.85	ug/L			03/03/23 22:17	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/03/23 22:17	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/03/23 22:17	1
Acetone	ND		20	0.70	ug/L			03/03/23 22:17	1

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

Lab Sample ID: MB 410-350135/6
Matrix: Water
Analysis Batch: 350135

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			03/03/23 22:17	1
Bromobenzene	ND		5.0	0.30	ug/L			03/03/23 22:17	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/03/23 22:17	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/03/23 22:17	1
Bromoform	ND		4.0	1.0	ug/L			03/03/23 22:17	1
Bromomethane	ND		1.0	0.30	ug/L			03/03/23 22:17	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/03/23 22:17	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/03/23 22:17	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/03/23 22:17	1
Chloroethane	ND		1.0	0.20	ug/L			03/03/23 22:17	1
Chloroform	ND		1.0	0.30	ug/L			03/03/23 22:17	1
Chloromethane	ND		2.0	0.55	ug/L			03/03/23 22:17	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/03/23 22:17	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 22:17	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/03/23 22:17	1
Dibromomethane	ND		1.0	0.30	ug/L			03/03/23 22:17	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/03/23 22:17	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			03/03/23 22:17	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/03/23 22:17	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/03/23 22:17	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/03/23 22:17	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/03/23 22:17	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/03/23 22:17	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/03/23 22:17	1
Naphthalene	ND		5.0	1.0	ug/L			03/03/23 22:17	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 22:17	1
n-Hexane	ND		5.0	2.0	ug/L			03/03/23 22:17	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/03/23 22:17	1
o-Xylene	ND		1.0	0.40	ug/L			03/03/23 22:17	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/03/23 22:17	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 22:17	1
Styrene	ND		5.0	0.30	ug/L			03/03/23 22:17	1
t-Butyl alcohol	ND		50	12	ug/L			03/03/23 22:17	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			03/03/23 22:17	1
Tert-butyl ethyl ether	ND		1.0	0.30	ug/L			03/03/23 22:17	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/03/23 22:17	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/03/23 22:17	1
Toluene	ND		1.0	0.20	ug/L			03/03/23 22:17	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/03/23 22:17	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/03/23 22:17	1
Trichloroethene	ND		1.0	0.30	ug/L			03/03/23 22:17	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/03/23 22:17	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/03/23 22:17	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/03/23 22:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*03/03/23 22:17*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*03/03/23 22:17*	*1*

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

Lab Sample ID: MB 410-350135/6
Matrix: Water
Analysis Batch: 350135

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*03/03/23 22:17*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/03/23 22:17*	*1*

Lab Sample ID: LCS 410-350135/4
Matrix: Water
Analysis Batch: 350135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	20.5		ug/L		102	78 - 120
1,1,1-Trichloroethane	20.0	18.9		ug/L		95	67 - 126
1,1,2,2-Tetrachloroethane	20.0	20.4		ug/L		102	72 - 120
1,1,2-Trichloroethane	20.0	19.8		ug/L		99	80 - 120
1,1-Dichloroethane	20.0	19.2		ug/L		96	80 - 120
1,1-Dichloroethene	20.0	19.2		ug/L		96	80 - 131
1,1-Dichloropropene	20.0	19.4		ug/L		97	78 - 120
1,2,3-Trichlorobenzene	20.0	19.1		ug/L		95	66 - 120
1,2,3-Trichloropropane	20.0	20.0		ug/L		100	75 - 124
1,2,4-Trichlorobenzene	20.0	19.0		ug/L		95	63 - 120
1,2,4-Trimethylbenzene	20.0	19.8		ug/L		99	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.5		ug/L		88	47 - 131
1,2-Dibromoethane	20.0	20.5		ug/L		102	77 - 120
1,2-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 120
1,2-Dichloroethane	20.0	19.2		ug/L		96	73 - 124
1,2-Dichloropropane	20.0	19.6		ug/L		98	80 - 120
1,3,5-Trimethylbenzene	20.0	19.8		ug/L		99	75 - 120
1,3-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120
1,3-Dichloropropane	20.0	20.4		ug/L		102	80 - 120
1,4-Dichlorobenzene	20.0	20.5		ug/L		102	80 - 120
2,2-Dichloropropane	20.0	18.9		ug/L		95	55 - 142
2-Butanone	250	239		ug/L		96	59 - 135
2-Chlorotoluene	20.0	19.8		ug/L		99	80 - 120
2-Hexanone	250	264		ug/L		106	56 - 135
4-Chlorotoluene	20.0	20.3		ug/L		102	80 - 120
4-Methyl-2-pentanone	250	258		ug/L		103	62 - 133
Acetone	250	268		ug/L		107	54 - 157
Benzene	20.0	20.1		ug/L		101	80 - 120
Bromobenzene	20.0	20.8		ug/L		104	80 - 120
Bromochloromethane	20.0	20.2		ug/L		101	80 - 120
Bromodichloromethane	20.0	19.6		ug/L		98	71 - 120
Bromoform	20.0	20.1		ug/L		101	51 - 120
Bromomethane	20.0	14.6		ug/L		73	53 - 128
Carbon disulfide	20.0	18.3		ug/L		91	65 - 128
Carbon tetrachloride	20.0	19.4		ug/L		97	64 - 134
Chlorobenzene	20.0	19.5		ug/L		98	80 - 120
Chloroethane	20.0	16.6		ug/L		83	55 - 123
Chloroform	20.0	19.5		ug/L		98	80 - 120
Chloromethane	20.0	13.6		ug/L		68	56 - 121
cis-1,2-Dichloroethene	20.0	20.6		ug/L		103	80 - 125

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

Lab Sample ID: LCS 410-350135/4
Matrix: Water
Analysis Batch: 350135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.5		ug/L		93	75 - 120
Dibromochloromethane	20.0	20.2		ug/L		101	71 - 120
Dibromomethane	20.0	20.0		ug/L		100	80 - 120
Dichlorodifluoromethane	20.0	10.5		ug/L		53	41 - 127
di-Isopropyl ether	20.0	18.5		ug/L		92	70 - 124
Ethylbenzene	20.0	19.6		ug/L		98	80 - 120
Hexachlorobutadiene	20.0	20.2		ug/L		101	63 - 120
Isopropylbenzene	20.0	19.4		ug/L		97	80 - 120
m&p-Xylene	40.0	39.1		ug/L		98	80 - 120
Methyl tertiary butyl ether	20.0	17.2		ug/L		86	69 - 122
Methylene Chloride	20.0	19.7		ug/L		98	80 - 120
Naphthalene	20.0	17.9		ug/L		90	53 - 124
n-Butylbenzene	20.0	19.9		ug/L		100	76 - 120
n-Hexane	20.0	16.9		ug/L		84	61 - 138
N-Propylbenzene	20.0	20.8		ug/L		104	79 - 121
o-Xylene	20.0	19.1		ug/L		95	80 - 120
p-Isopropyltoluene	20.0	20.0		ug/L		100	76 - 120
sec-Butylbenzene	20.0	20.0		ug/L		100	77 - 120
Styrene	20.0	19.7		ug/L		98	80 - 120
t-Butyl alcohol	200	167		ug/L		83	60 - 130
Tert-amyl methyl ether	20.0	18.6		ug/L		93	66 - 120
Tert-butyl ethyl ether	20.0	17.3		ug/L		87	68 - 121
tert-Butylbenzene	20.0	18.9		ug/L		95	78 - 120
Tetrachloroethene	20.0	19.7		ug/L		99	80 - 120
Toluene	20.0	19.8		ug/L		99	80 - 120
trans-1,2-Dichloroethene	20.0	19.3		ug/L		96	80 - 126
trans-1,3-Dichloropropene	20.0	19.2		ug/L		96	67 - 120
Trichloroethene	20.0	19.5		ug/L		97	80 - 120
Trichlorofluoromethane	20.0	12.8		ug/L		64	55 - 135
Vinyl chloride	20.0	13.6		ug/L		68	56 - 120
Xylenes, Total	60.0	58.2		ug/L		97	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

QC Association Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

GC/MS VOA

Analysis Batch: 349675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-116147-1	MW-187A	Total/NA	Groundwater	8260C	
410-116147-2	MW-187B	Total/NA	Groundwater	8260C	
410-116147-3	MW-187C	Total/NA	Groundwater	8260C	
410-116147-4	MW-54B	Total/NA	Groundwater	8260C	
410-116147-5	MW-54C H/S 210	Total/NA	Groundwater	8260C	
410-116147-6	MW-54C H/S 298	Total/NA	Groundwater	8260C	
410-116147-7	MW-38C	Total/NA	Groundwater	8260C	
410-116147-8	MW-178C	Total/NA	Groundwater	8260C	
MB 410-349675/7	Method Blank	Total/NA	Water	8260C	
LCS 410-349675/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 350135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-116147-1 - DL	MW-187A	Total/NA	Groundwater	8260C	
410-116147-3 - DL	MW-187C	Total/NA	Groundwater	8260C	
410-116147-5 - DL	MW-54C H/S 210	Total/NA	Groundwater	8260C	
410-116147-6 - DL	MW-54C H/S 298	Total/NA	Groundwater	8260C	
MB 410-350135/6	Method Blank	Total/NA	Water	8260C	
LCS 410-350135/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Kleinfelder Inc
Job ID: 410-116147-1
Project/Site: 2-8077 - Phoenix, MD

Client Sample ID: MW-187A
Lab Sample ID: 410-116147-1
Date Collected: 02/20/23 09:55
Matrix: Groundwater
Date Received: 02/20/23 16:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C	DL	10	350135	K4WN	ELLE	03/04/23 01:36
Total/NA	Analysis	8260C		1	349675	K4WN	ELLE	03/03/23 03:58

Client Sample ID: MW-187B
Lab Sample ID: 410-116147-2
Date Collected: 02/20/23 10:00
Matrix: Groundwater
Date Received: 02/20/23 16:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349675	K4WN	ELLE	03/03/23 04:20

Client Sample ID: MW-187C
Lab Sample ID: 410-116147-3
Date Collected: 02/20/23 10:50
Matrix: Groundwater
Date Received: 02/20/23 16:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C	DL	10	350135	K4WN	ELLE	03/04/23 01:58
Total/NA	Analysis	8260C		1	349675	K4WN	ELLE	03/03/23 04:42

Client Sample ID: MW-54B
Lab Sample ID: 410-116147-4
Date Collected: 02/20/23 10:55
Matrix: Groundwater
Date Received: 02/20/23 16:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349675	K4WN	ELLE	03/03/23 07:38

Client Sample ID: MW-54C H/S 210
Lab Sample ID: 410-116147-5
Date Collected: 02/20/23 11:10
Matrix: Groundwater
Date Received: 02/20/23 16:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C	DL	10	350135	K4WN	ELLE	03/04/23 02:19
Total/NA	Analysis	8260C		1	349675	K4WN	ELLE	03/03/23 05:04

Client Sample ID: MW-54C H/S 298
Lab Sample ID: 410-116147-6
Date Collected: 02/20/23 11:15
Matrix: Groundwater
Date Received: 02/20/23 16:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C	DL	20	350135	K4WN	ELLE	03/04/23 02:42
Total/NA	Analysis	8260C		1	349675	K4WN	ELLE	03/03/23 05:26

Lab Chronicle

Client: Kleinfelder Inc
Job ID: 410-116147-1
Project/Site: 2-8077 - Phoenix, MD

Client Sample ID: MW-38C
Lab Sample ID: 410-116147-7
Date Collected: 02/20/23 12:50
Matrix: Groundwater
Date Received: 02/20/23 16:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349675	K4WN	ELLE	03/03/23 05:48

Client Sample ID: MW-178C
Lab Sample ID: 410-116147-8
Date Collected: 02/20/23 12:35
Matrix: Groundwater
Date Received: 02/20/23 16:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	349675	K4WN	ELLE	03/03/23 06:10

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116147-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Groundwater	1,1,1,2-Tetrachloroethane
8260C		Groundwater	1,1,1-Trichloroethane
8260C		Groundwater	1,1,2,2-Tetrachloroethane
8260C		Groundwater	1,1,2-Trichloroethane
8260C		Groundwater	1,1-Dichloroethane
8260C		Groundwater	1,1-Dichloroethene
8260C		Groundwater	1,1-Dichloropropene
8260C		Groundwater	1,2,3-Trichlorobenzene
8260C		Groundwater	1,2,3-Trichloropropane
8260C		Groundwater	1,2,4-Trichlorobenzene
8260C		Groundwater	1,2,4-Trimethylbenzene
8260C		Groundwater	1,2-Dibromo-3-Chloropropane
8260C		Groundwater	1,2-Dibromoethane
8260C		Groundwater	1,2-Dichlorobenzene
8260C		Groundwater	1,2-Dichloroethane
8260C		Groundwater	1,2-Dichloropropane
8260C		Groundwater	1,3,5-Trimethylbenzene
8260C		Groundwater	1,3-Dichlorobenzene
8260C		Groundwater	1,3-Dichloropropane
8260C		Groundwater	1,4-Dichlorobenzene
8260C		Groundwater	2,2-Dichloropropane
8260C		Groundwater	2-Butanone
8260C		Groundwater	2-Chlorotoluene
8260C		Groundwater	2-Hexanone
8260C		Groundwater	4-Chlorotoluene
8260C		Groundwater	4-Methyl-2-pentanone
8260C		Groundwater	Acetone
8260C		Groundwater	Benzene
8260C		Groundwater	Bromobenzene
8260C		Groundwater	Bromochloromethane
8260C		Groundwater	Bromodichloromethane
8260C		Groundwater	Bromoform
8260C		Groundwater	Bromomethane
8260C		Groundwater	Carbon disulfide
8260C		Groundwater	Carbon tetrachloride
8260C		Groundwater	Chlorobenzene
8260C		Groundwater	Chloroethane
8260C		Groundwater	Chloroform
8260C		Groundwater	Chloromethane
8260C		Groundwater	cis-1,2-Dichloroethene
8260C		Groundwater	cis-1,3-Dichloropropene
8260C		Groundwater	Dibromochloromethane
8260C		Groundwater	Dibromomethane
8260C		Groundwater	Dichlorodifluoromethane
8260C		Groundwater	di-Isopropyl ether

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Groundwater	Ethylbenzene
8260C		Groundwater	Hexachlorobutadiene
8260C		Groundwater	Isopropylbenzene
8260C		Groundwater	m&p-Xylene
8260C		Groundwater	Methyl tertiary butyl ether
8260C		Groundwater	Methylene Chloride
8260C		Groundwater	Naphthalene
8260C		Groundwater	n-Butylbenzene
8260C		Groundwater	n-Hexane
8260C		Groundwater	N-Propylbenzene
8260C		Groundwater	o-Xylene
8260C		Groundwater	p-Isopropyltoluene
8260C		Groundwater	sec-Butylbenzene
8260C		Groundwater	Styrene
8260C		Groundwater	t-Butyl alcohol
8260C		Groundwater	Tert-amyl methyl ether
8260C		Groundwater	Tert-butyl ethyl ether
8260C		Groundwater	tert-Butylbenzene
8260C		Groundwater	Tetrachloroethene
8260C		Groundwater	Toluene
8260C		Groundwater	trans-1,2-Dichloroethene
8260C		Groundwater	trans-1,3-Dichloropropene
8260C		Groundwater	Trichloroethene
8260C		Groundwater	Trichlorofluoromethane
8260C		Groundwater	Vinyl chloride
8260C		Groundwater	Xylenes, Total

Method Summary

Client: Kleinfelder Inc
Job ID: 410-116147-1
Project/Site: 2-8077 - Phoenix, MD

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

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Lancaster Laboratories

410-116147 Chain of Custody

)Y- ExxonMobil Projects Drop Box - MW PAGE ___ OF ___

\ 17605

FED-EX Tracking #	Bottle Order Control #
Lancaster Quote #	Lancaster Job #

Client / Reporting Information

mpany Name: Kleinfelder
ɔet Address: 1745 Dorsey Road, Suite J
y / State / Zip: Hanover, MD 21076
ɔject Contact / E-mail: Mark Schaaf
one # / Fax #: 410-850-0404 / 410-850-0049
mpler(s) Name(s) / Phone #: Joe Frascarella 301-385-0953

SITE NAME - Provide Site Name for Retail or AFE Number for Major Projects

Retail Project (Site Name): Exxon - Phoenix 28077
Major Project (AFE):
Project Name: 14258 Jarrettsville Pike
City / State: Phoenix MD
ExxonMobil Manager: John Lee
ExxonMobil Purchase Order #: Direct Bill to Exxon Mobil

ExxonMobil Environmental Services Co.

If Project is Direct Bill to Consultant
Company Name
Street Address
City / State / Zip
Attention: PO#

Requested Analysis (see TEST CODE sheet)

MTBE, BTEX, ETBE, TAME, DIPE, TBA by EPA 8260B
Full List VOCs + Oxy5 by 8260

Matrix Code

DW - Drinking Wa
GW - Ground Wa
WW - Water
SW - Surface Wa
SO - Soil
SL- Sludge
SED-Sedimer
OI - Oil
LIQ - Other Liquic
AIR - Air
SOL - Other Soi
WP - Wipe
FB-Fiel
Blank

caster mple #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	MTBE, BTEX, ETBE, TAME, DIPE, TBA by EPA 8260B	Full List VOCs + Oxy5 by 8260	LAB USE ONL
	MW-187A		2/20/23	955	JF	GW	3	X								X	X	
	MW-187B		2/20/23	1000	JF	GW	3	X									X	
	MW-187C		2/20/23	1050	JF	GW	3	X									X	
	MW-54B		2/20/23	1055	JF	GW	3	X									X	
	MW-54C H/S 210		2/20/23	1110	JF	GW	3	X									X	
	MW-54C H/S 298		2/20/23	1115	JF	GW	3	X									X	
	MW-38C		2/20/23	1250	JF	GW	3	X									X	
	MW-178C		2/20/23	1235	JF	GW	3	X									X	

Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] 8 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Data Deliverable Information

- [X] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

DROP BOX - MW

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	2/20/23 15:00	1 2/20/23 15:00	2 2/20/23	16:22	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
		3	4 2/20/23	1622	4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp.
		5	N/A ☐ Intact ☐ Not Intact	☒	☒ 1.3

Temp: 1.7

KAM

3/6/2023

Login Sample Receipt Checklist

Client: Kleinfelder Inc

Job Number: 410-116147-1

Login Number: 116147

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Wrye, Shaun

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Definitions/Glossary

Client: Kleinfelder Inc
Job ID: 410-116147-1
Project/Site: 2-8077 - Phoenix, MD

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mark Schaaf
Kleinfelder Inc
1745 Dorsey Road
Suite J
Hanover, Maryland 21076

Generated 4/4/2023 11:28:19 AM

JOB DESCRIPTION

2-8077 - Phoenix, MD

JOB NUMBER

410-119777-1

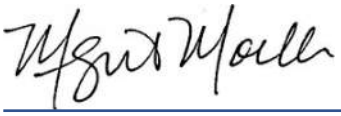
Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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4/4/2023 11:28:19 AM

Authorized for release by
Megan Moeller, Client Services Manager
Megan.Moeller@et.eurofinsus.com
(717)556-7261

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

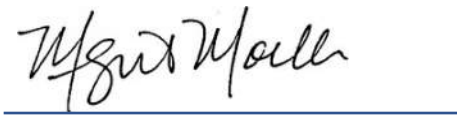

Table of Contents

Sample Summary

Client: Kleinfelder Inc
Job ID: 410-119777-1
Project/Site: 2-8077 - Phoenix, MD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-119777-1	MW-187A	Groundwater	03/20/23 11:15	03/22/23 17:04
410-119777-2	MW-187B	Groundwater	03/20/23 11:25	03/22/23 17:04
410-119777-3	MW-187C	Groundwater	03/20/23 11:30	03/22/23 17:04
410-119777-4	MW-54B	Groundwater	03/20/23 13:00	03/22/23 17:04
410-119777-5	MW-54C H/S-210	Groundwater	03/20/23 11:00	03/22/23 17:04
410-119777-6	MW-54C H/S-298	Groundwater	03/20/23 11:10	03/22/23 17:04
410-119777-7	MW-38C	Groundwater	03/20/23 13:15	03/22/23 17:04
410-119777-8	MW-178C	Groundwater	03/20/23 13:30	03/22/23 17:04

Job ID: 410-119777-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-119777-1

Receipt
The samples were received on 3/22/2023 5:04 PM. 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 1.1°C

Receipt Exceptions
A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MW-54C H/S-298 (410-119777-6). The container labels list MW-54C H/S-248 while the COC lists MW-54C H/S-298. Per the client, the ID on the COC is correct.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 410-359497 recovered outside acceptance criteria, low biased, for Dichlorodifluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260C: The method blank for 410-359497 contained Acetone above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL).

Method 8260C: The method blank associated with 410-359497 contained Acetone less than one-half the reporting limit (RL). Associated samples were not re-analyzed because results were less than the reporting limit (RL).

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

Detection Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-187A — Lab Sample ID: 410-119777-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	190		5.0	1.0	ug/L	1		8260C	Total/NA
1,3,5-Trimethylbenzene	75		5.0	0.30	ug/L	1		8260C	Total/NA
2-Butanone	5.8	J	10	0.50	ug/L	1		8260C	Total/NA
2-Hexanone	2.5	J	10	0.85	ug/L	1		8260C	Total/NA
4-Methyl-2-pentanone	4.8	J	10	0.50	ug/L	1		8260C	Total/NA
Acetone	27	B cn	20	0.70	ug/L	1		8260C	Total/NA
Benzene	250		1.0	0.30	ug/L	1		8260C	Total/NA
di-Isopropyl ether	0.54	J	1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	0.99	J	1.0	0.30	ug/L	1		8260C	Total/NA
Ethylbenzene	240		1.0	0.40	ug/L	1		8260C	Total/NA
Isopropylbenzene	14		5.0	0.20	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	79		1.0	0.20	ug/L	1		8260C	Total/NA
Naphthalene	53		5.0	1.0	ug/L	1		8260C	Total/NA
n-Butylbenzene	0.61	J	5.0	0.30	ug/L	1		8260C	Total/NA
n-Hexane	7.4		5.0	2.0	ug/L	1		8260C	Total/NA
N-Propylbenzene	15		5.0	0.30	ug/L	1		8260C	Total/NA
p-Isopropyltoluene	0.67	J	5.0	0.30	ug/L	1		8260C	Total/NA
sec-Butylbenzene	0.59	J	5.0	0.30	ug/L	1		8260C	Total/NA
Styrene	23		5.0	0.30	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	11		5.0	0.80	ug/L	1		8260C	Total/NA
t-Butyl alcohol	29	J	50	12	ug/L	1		8260C	Total/NA
m&p-Xylene - DL	710		50	20	ug/L	10		8260C	Total/NA
o-Xylene - DL	530		10	4.0	ug/L	10		8260C	Total/NA
Toluene - DL	930		10	2.0	ug/L	10		8260C	Total/NA
Xylenes, Total - DL	1200		10	4.0	ug/L	10		8260C	Total/NA

Client Sample ID: MW-187B — Lab Sample ID: 410-119777-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	0.97	J	10	0.50	ug/L	1		8260C	Total/NA
Acetone	11	J B cn	20	0.70	ug/L	1		8260C	Total/NA
Carbon disulfide	0.35	J	5.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	0.46	J	1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	15		1.0	0.20	ug/L	1		8260C	Total/NA
o-Xylene	0.43	J	1.0	0.40	ug/L	1		8260C	Total/NA
Toluene	0.24	J	1.0	0.20	ug/L	1		8260C	Total/NA
Xylenes, Total	0.43	J	1.0	0.40	ug/L	1		8260C	Total/NA

Client Sample ID: MW-187C — Lab Sample ID: 410-119777-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Methyl-2-pentanone	0.61	J	10	0.50	ug/L	1		8260C	Total/NA
Acetone	13	J B cn	20	0.70	ug/L	1		8260C	Total/NA
Carbon disulfide	0.89	J	5.0	0.30	ug/L	1		8260C	Total/NA
di-Isopropyl ether	1.7		1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	6.2		1.0	0.30	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	6.8		5.0	0.80	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether - DL	240		10	2.0	ug/L	10		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-54B — Lab Sample ID: 410-119777-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.7	J B cn	20	0.70	ug/L	1		8260C	Total/NA
di-Isopropyl ether	2.3		1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	8.4		1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	120		1.0	0.20	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	8.6		5.0	0.80	ug/L	1		8260C	Total/NA
t-Butyl alcohol	650		50	12	ug/L	1		8260C	Total/NA

Client Sample ID: MW-54C H/S-210 — Lab Sample ID: 410-119777-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	27	J B cn	100	3.5	ug/L	5		8260C	Total/NA
Benzene	23		5.0	1.5	ug/L	5		8260C	Total/NA
di-Isopropyl ether	29		5.0	1.5	ug/L	5		8260C	Total/NA
Tert-butyl ethyl ether	120		5.0	1.5	ug/L	5		8260C	Total/NA
Methyl tertiary butyl ether	59		5.0	1.0	ug/L	5		8260C	Total/NA
Tert-amyl methyl ether	8.3	J	25	4.0	ug/L	5		8260C	Total/NA
t-Butyl alcohol - DL	9000		2500	600	ug/L	50		8260C	Total/NA

Client Sample ID: MW-54C H/S-298 — Lab Sample ID: 410-119777-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.0	J	5.0	1.0	ug/L	1		8260C	Total/NA
Acetone	4.2	J B cn	20	0.70	ug/L	1		8260C	Total/NA
Benzene	31		1.0	0.30	ug/L	1		8260C	Total/NA
di-Isopropyl ether	24		1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	100		1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	72		1.0	0.20	ug/L	1		8260C	Total/NA
N-Propylbenzene	0.31	J	5.0	0.30	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	8.1		5.0	0.80	ug/L	1		8260C	Total/NA
t-Butyl alcohol - DL	4600		500	120	ug/L	10		8260C	Total/NA

Client Sample ID: MW-38C — Lab Sample ID: 410-119777-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.7	J B cn	20	0.70	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	16		1.0	0.20	ug/L	1		8260C	Total/NA

Client Sample ID: MW-178C — Lab Sample ID: 410-119777-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.7	J B cn	20	0.70	ug/L	1		8260C	Total/NA
di-Isopropyl ether	0.75	J	1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	2.2		1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	50		1.0	0.20	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	2.8	J	5.0	0.80	ug/L	1		8260C	Total/NA
t-Butyl alcohol	83		50	12	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-187A
Date Collected: 03/20/23 11:15
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-1
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 14:29	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 14:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 14:29	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 14:29	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 14:29	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 14:29	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/31/23 14:29	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/31/23 14:29	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/31/23 14:29	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 14:29	1
1,2,4-Trimethylbenzene	**190**		5.0	1.0	ug/L			03/31/23 14:29	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/31/23 14:29	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/31/23 14:29	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/31/23 14:29	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 14:29	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 14:29	1
1,3,5-Trimethylbenzene	**75**		5.0	0.30	ug/L			03/31/23 14:29	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/31/23 14:29	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 14:29	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 14:29	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 14:29	1
2-Butanone	**5.8**	**J**	10	0.50	ug/L			03/31/23 14:29	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 14:29	1
2-Hexanone	**2.5**	**J**	10	0.85	ug/L			03/31/23 14:29	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 14:29	1
4-Methyl-2-pentanone	**4.8**	**J**	10	0.50	ug/L			03/31/23 14:29	1
Acetone	**27**	**B cn**	20	0.70	ug/L			03/31/23 14:29	1
Benzene	**250**		1.0	0.30	ug/L			03/31/23 14:29	1
Bromobenzene	ND		5.0	0.30	ug/L			03/31/23 14:29	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/31/23 14:29	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/31/23 14:29	1
Bromoform	ND		4.0	1.0	ug/L			03/31/23 14:29	1
Bromomethane	ND		1.0	0.30	ug/L			03/31/23 14:29	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/31/23 14:29	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/31/23 14:29	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/31/23 14:29	1
Chloroethane	ND		1.0	0.20	ug/L			03/31/23 14:29	1
Chloroform	ND		1.0	0.30	ug/L			03/31/23 14:29	1
Chloromethane	ND		2.0	0.55	ug/L			03/31/23 14:29	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 14:29	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 14:29	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/31/23 14:29	1
Dibromomethane	ND		1.0	0.30	ug/L			03/31/23 14:29	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/31/23 14:29	1
di-Isopropyl ether	**0.54**	**J**	1.0	0.30	ug/L			03/31/23 14:29	1
Tert-butyl ethyl ether	**0.99**	**J**	1.0	0.30	ug/L			03/31/23 14:29	1
Ethylbenzene	**240**		1.0	0.40	ug/L			03/31/23 14:29	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/31/23 14:29	1
Isopropylbenzene	**14**		5.0	0.20	ug/L			03/31/23 14:29	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-187A
Date Collected: 03/20/23 11:15
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-1
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	**79**		1.0	0.20	ug/L			03/31/23 14:29	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/31/23 14:29	1
Naphthalene	**53**		5.0	1.0	ug/L			03/31/23 14:29	1
n-Butylbenzene	**0.61**	**J**	5.0	0.30	ug/L			03/31/23 14:29	1
n-Hexane	**7.4**		5.0	2.0	ug/L			03/31/23 14:29	1
N-Propylbenzene	**15**		5.0	0.30	ug/L			03/31/23 14:29	1
p-Isopropyltoluene	**0.67**	**J**	5.0	0.30	ug/L			03/31/23 14:29	1
sec-Butylbenzene	**0.59**	**J**	5.0	0.30	ug/L			03/31/23 14:29	1
Styrene	**23**		5.0	0.30	ug/L			03/31/23 14:29	1
Tert-amyl methyl ether	**11**		5.0	0.80	ug/L			03/31/23 14:29	1
t-Butyl alcohol	**29**	**J**	50	12	ug/L			03/31/23 14:29	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 14:29	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/31/23 14:29	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/31/23 14:29	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 14:29	1
Trichloroethene	ND		1.0	0.30	ug/L			03/31/23 14:29	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/31/23 14:29	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/31/23 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/31/23 14:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*03/31/23 14:29*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*03/31/23 14:29*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/31/23 14:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	**710**		50	20	ug/L			03/31/23 14:50	10
o-Xylene	**530**		10	4.0	ug/L			03/31/23 14:50	10
Toluene	**930**		10	2.0	ug/L			03/31/23 14:50	10
Xylenes, Total	**1200**		10	4.0	ug/L			03/31/23 14:50	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*03/31/23 14:50*	*10*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*03/31/23 14:50*	*10*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*03/31/23 14:50*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/31/23 14:50*	*10*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-187B
Date Collected: 03/20/23 11:25
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-2
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 15:10	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 15:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 15:10	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 15:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 15:10	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 15:10	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/31/23 15:10	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/31/23 15:10	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/31/23 15:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 15:10	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/31/23 15:10	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/31/23 15:10	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/31/23 15:10	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/31/23 15:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 15:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 15:10	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/31/23 15:10	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/31/23 15:10	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 15:10	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 15:10	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 15:10	1
2-Butanone	**0.97**	**J**	10	0.50	ug/L			03/31/23 15:10	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 15:10	1
2-Hexanone	ND		10	0.85	ug/L			03/31/23 15:10	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 15:10	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/31/23 15:10	1
Acetone	**11**	**J B cn**	20	0.70	ug/L			03/31/23 15:10	1
Benzene	ND		1.0	0.30	ug/L			03/31/23 15:10	1
Bromobenzene	ND		5.0	0.30	ug/L			03/31/23 15:10	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/31/23 15:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/31/23 15:10	1
Bromoform	ND		4.0	1.0	ug/L			03/31/23 15:10	1
Bromomethane	ND		1.0	0.30	ug/L			03/31/23 15:10	1
Carbon disulfide	**0.35**	**J**	5.0	0.30	ug/L			03/31/23 15:10	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/31/23 15:10	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/31/23 15:10	1
Chloroethane	ND		1.0	0.20	ug/L			03/31/23 15:10	1
Chloroform	ND		1.0	0.30	ug/L			03/31/23 15:10	1
Chloromethane	ND		2.0	0.55	ug/L			03/31/23 15:10	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 15:10	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 15:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/31/23 15:10	1
Dibromomethane	ND		1.0	0.30	ug/L			03/31/23 15:10	1
Dichlorodifluoromethane	ND	cn	1.0	0.20	ug/L			03/31/23 15:10	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			03/31/23 15:10	1
Tert-butyl ethyl ether	**0.46**	**J**	1.0	0.30	ug/L			03/31/23 15:10	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/31/23 15:10	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/31/23 15:10	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/31/23 15:10	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-187B
Date Collected: 03/20/23 11:25
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-2
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			03/31/23 15:10	1
Methyl tertiary butyl ether	**15**		1.0	0.20	ug/L			03/31/23 15:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/31/23 15:10	1
Naphthalene	ND		5.0	1.0	ug/L			03/31/23 15:10	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 15:10	1
n-Hexane	ND		5.0	2.0	ug/L			03/31/23 15:10	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/31/23 15:10	1
o-Xylene	**0.43**	**J**	1.0	0.40	ug/L			03/31/23 15:10	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/31/23 15:10	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 15:10	1
Styrene	ND		5.0	0.30	ug/L			03/31/23 15:10	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			03/31/23 15:10	1
t-Butyl alcohol	ND		50	12	ug/L			03/31/23 15:10	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 15:10	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/31/23 15:10	1
Toluene	**0.24**	**J**	1.0	0.20	ug/L			03/31/23 15:10	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/31/23 15:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 15:10	1
Trichloroethene	ND		1.0	0.30	ug/L			03/31/23 15:10	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/31/23 15:10	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/31/23 15:10	1
Xylenes, Total	**0.43**	**J**	1.0	0.40	ug/L			03/31/23 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*03/31/23 15:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*03/31/23 15:10*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*03/31/23 15:10*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/31/23 15:10*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-187C
Date Collected: 03/20/23 11:30
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-3
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 15:30	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 15:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 15:30	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 15:30	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 15:30	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 15:30	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/31/23 15:30	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/31/23 15:30	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/31/23 15:30	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 15:30	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/31/23 15:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/31/23 15:30	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/31/23 15:30	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/31/23 15:30	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 15:30	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 15:30	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/31/23 15:30	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/31/23 15:30	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 15:30	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 15:30	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 15:30	1
2-Butanone	ND		10	0.50	ug/L			03/31/23 15:30	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 15:30	1
2-Hexanone	ND		10	0.85	ug/L			03/31/23 15:30	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 15:30	1
4-Methyl-2-pentanone	**0.61**	**J**	10	0.50	ug/L			03/31/23 15:30	1
Acetone	**13**	**J B cn**	20	0.70	ug/L			03/31/23 15:30	1
Benzene	ND		1.0	0.30	ug/L			03/31/23 15:30	1
Bromobenzene	ND		5.0	0.30	ug/L			03/31/23 15:30	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/31/23 15:30	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/31/23 15:30	1
Bromoform	ND		4.0	1.0	ug/L			03/31/23 15:30	1
Bromomethane	ND		1.0	0.30	ug/L			03/31/23 15:30	1
Carbon disulfide	**0.89**	**J**	5.0	0.30	ug/L			03/31/23 15:30	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/31/23 15:30	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/31/23 15:30	1
Chloroethane	ND		1.0	0.20	ug/L			03/31/23 15:30	1
Chloroform	ND		1.0	0.30	ug/L			03/31/23 15:30	1
Chloromethane	ND		2.0	0.55	ug/L			03/31/23 15:30	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 15:30	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 15:30	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/31/23 15:30	1
Dibromomethane	ND		1.0	0.30	ug/L			03/31/23 15:30	1
Dichlorodifluoromethane	ND	cn	1.0	0.20	ug/L			03/31/23 15:30	1
di-Isopropyl ether	**1.7**		1.0	0.30	ug/L			03/31/23 15:30	1
Tert-butyl ethyl ether	**6.2**		1.0	0.30	ug/L			03/31/23 15:30	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/31/23 15:30	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/31/23 15:30	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/31/23 15:30	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-187C
Date Collected: 03/20/23 11:30
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-3
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			03/31/23 15:30	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/31/23 15:30	1
Naphthalene	ND		5.0	1.0	ug/L			03/31/23 15:30	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 15:30	1
n-Hexane	ND		5.0	2.0	ug/L			03/31/23 15:30	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/31/23 15:30	1
o-Xylene	ND		1.0	0.40	ug/L			03/31/23 15:30	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/31/23 15:30	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 15:30	1
Styrene	ND		5.0	0.30	ug/L			03/31/23 15:30	1
Tert-amyl methyl ether	**6.8**		5.0	0.80	ug/L			03/31/23 15:30	1
t-Butyl alcohol	ND		50	12	ug/L			03/31/23 15:30	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 15:30	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/31/23 15:30	1
Toluene	ND		1.0	0.20	ug/L			03/31/23 15:30	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/31/23 15:30	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 15:30	1
Trichloroethene	ND		1.0	0.30	ug/L			03/31/23 15:30	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/31/23 15:30	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/31/23 15:30	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/31/23 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/31/23 15:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*03/31/23 15:30*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*03/31/23 15:30*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/31/23 15:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	**240**		10	2.0	ug/L			03/31/23 15:50	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/31/23 15:50*	*10*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*03/31/23 15:50*	*10*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*03/31/23 15:50*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/31/23 15:50*	*10*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-54B
Date Collected: 03/20/23 13:00
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-4
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 16:11	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 16:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 16:11	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 16:11	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 16:11	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 16:11	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/31/23 16:11	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/31/23 16:11	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/31/23 16:11	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 16:11	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/31/23 16:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/31/23 16:11	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/31/23 16:11	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/31/23 16:11	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 16:11	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 16:11	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/31/23 16:11	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/31/23 16:11	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 16:11	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 16:11	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 16:11	1
2-Butanone	ND		10	0.50	ug/L			03/31/23 16:11	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 16:11	1
2-Hexanone	ND		10	0.85	ug/L			03/31/23 16:11	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 16:11	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/31/23 16:11	1
Acetone	**9.7**	**J B cn**	20	0.70	ug/L			03/31/23 16:11	1
Benzene	ND		1.0	0.30	ug/L			03/31/23 16:11	1
Bromobenzene	ND		5.0	0.30	ug/L			03/31/23 16:11	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/31/23 16:11	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/31/23 16:11	1
Bromoform	ND		4.0	1.0	ug/L			03/31/23 16:11	1
Bromomethane	ND		1.0	0.30	ug/L			03/31/23 16:11	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/31/23 16:11	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/31/23 16:11	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/31/23 16:11	1
Chloroethane	ND		1.0	0.20	ug/L			03/31/23 16:11	1
Chloroform	ND		1.0	0.30	ug/L			03/31/23 16:11	1
Chloromethane	ND		2.0	0.55	ug/L			03/31/23 16:11	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 16:11	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 16:11	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/31/23 16:11	1
Dibromomethane	ND		1.0	0.30	ug/L			03/31/23 16:11	1
Dichlorodifluoromethane	ND	cn	1.0	0.20	ug/L			03/31/23 16:11	1
di-Isopropyl ether	**2.3**		1.0	0.30	ug/L			03/31/23 16:11	1
Tert-butyl ethyl ether	**8.4**		1.0	0.30	ug/L			03/31/23 16:11	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/31/23 16:11	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/31/23 16:11	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/31/23 16:11	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-54B
Date Collected: 03/20/23 13:00
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-4
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			03/31/23 16:11	1
Methyl tertiary butyl ether	**120**		1.0	0.20	ug/L			03/31/23 16:11	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/31/23 16:11	1
Naphthalene	ND		5.0	1.0	ug/L			03/31/23 16:11	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 16:11	1
n-Hexane	ND		5.0	2.0	ug/L			03/31/23 16:11	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/31/23 16:11	1
o-Xylene	ND		1.0	0.40	ug/L			03/31/23 16:11	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/31/23 16:11	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 16:11	1
Styrene	ND		5.0	0.30	ug/L			03/31/23 16:11	1
Tert-amyl methyl ether	**8.6**		5.0	0.80	ug/L			03/31/23 16:11	1
t-Butyl alcohol	**650**		50	12	ug/L			03/31/23 16:11	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 16:11	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/31/23 16:11	1
Toluene	ND		1.0	0.20	ug/L			03/31/23 16:11	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/31/23 16:11	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 16:11	1
Trichloroethene	ND		1.0	0.30	ug/L			03/31/23 16:11	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/31/23 16:11	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/31/23 16:11	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/31/23 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/31/23 16:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*03/31/23 16:11*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*03/31/23 16:11*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/31/23 16:11*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-54C H/S-210
Date Collected: 03/20/23 11:00
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-5
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.5	ug/L			03/31/23 16:31	5
1,1,1-Trichloroethane	ND		5.0	1.5	ug/L			03/31/23 16:31	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/L			03/31/23 16:31	5
1,1,2-Trichloroethane	ND		5.0	1.5	ug/L			03/31/23 16:31	5
1,1-Dichloroethane	ND		5.0	1.5	ug/L			03/31/23 16:31	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			03/31/23 16:31	5
1,1-Dichloropropene	ND		25	1.5	ug/L			03/31/23 16:31	5
1,2,3-Trichlorobenzene	ND		25	2.0	ug/L			03/31/23 16:31	5
1,2,3-Trichloropropane	ND		25	1.5	ug/L			03/31/23 16:31	5
1,2,4-Trichlorobenzene	ND		25	1.5	ug/L			03/31/23 16:31	5
1,2,4-Trimethylbenzene	ND		25	5.0	ug/L			03/31/23 16:31	5
1,2-Dibromo-3-Chloropropane	ND		25	1.5	ug/L			03/31/23 16:31	5
1,2-Dibromoethane	ND		5.0	1.0	ug/L			03/31/23 16:31	5
1,2-Dichlorobenzene	ND		25	1.0	ug/L			03/31/23 16:31	5
1,2-Dichloroethane	ND		5.0	1.5	ug/L			03/31/23 16:31	5
1,2-Dichloropropane	ND		5.0	1.5	ug/L			03/31/23 16:31	5
1,3,5-Trimethylbenzene	ND		25	1.5	ug/L			03/31/23 16:31	5
1,3-Dichlorobenzene	ND		25	3.4	ug/L			03/31/23 16:31	5
1,3-Dichloropropane	ND		5.0	1.5	ug/L			03/31/23 16:31	5
1,4-Dichlorobenzene	ND		25	1.5	ug/L			03/31/23 16:31	5
2,2-Dichloropropane	ND		5.0	1.5	ug/L			03/31/23 16:31	5
2-Butanone	ND		50	2.5	ug/L			03/31/23 16:31	5
2-Chlorotoluene	ND		25	1.5	ug/L			03/31/23 16:31	5
2-Hexanone	ND		50	4.3	ug/L			03/31/23 16:31	5
4-Chlorotoluene	ND		25	1.5	ug/L			03/31/23 16:31	5
4-Methyl-2-pentanone	ND		50	2.5	ug/L			03/31/23 16:31	5
Acetone	**27**	**J B cn**	100	3.5	ug/L			03/31/23 16:31	5
Benzene	**23**		5.0	1.5	ug/L			03/31/23 16:31	5
Bromobenzene	ND		25	1.5	ug/L			03/31/23 16:31	5
Bromochloromethane	ND		25	1.0	ug/L			03/31/23 16:31	5
Bromodichloromethane	ND		5.0	1.0	ug/L			03/31/23 16:31	5
Bromoform	ND		20	5.0	ug/L			03/31/23 16:31	5
Bromomethane	ND		5.0	1.5	ug/L			03/31/23 16:31	5
Carbon disulfide	ND		25	1.5	ug/L			03/31/23 16:31	5
Carbon tetrachloride	ND		5.0	1.5	ug/L			03/31/23 16:31	5
Chlorobenzene	ND		5.0	1.5	ug/L			03/31/23 16:31	5
Chloroethane	ND		5.0	1.0	ug/L			03/31/23 16:31	5
Chloroform	ND		5.0	1.5	ug/L			03/31/23 16:31	5
Chloromethane	ND		10	2.8	ug/L			03/31/23 16:31	5
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/L			03/31/23 16:31	5
cis-1,3-Dichloropropene	ND		5.0	1.0	ug/L			03/31/23 16:31	5
Dibromochloromethane	ND		5.0	1.0	ug/L			03/31/23 16:31	5
Dibromomethane	ND		5.0	1.5	ug/L			03/31/23 16:31	5
Dichlorodifluoromethane	ND	cn	5.0	1.0	ug/L			03/31/23 16:31	5
di-Isopropyl ether	**29**		5.0	1.5	ug/L			03/31/23 16:31	5
Tert-butyl ethyl ether	**120**		5.0	1.5	ug/L			03/31/23 16:31	5
Ethylbenzene	ND		5.0	2.0	ug/L			03/31/23 16:31	5
Hexachlorobutadiene	ND		25	10	ug/L			03/31/23 16:31	5
Isopropylbenzene	ND		25	1.0	ug/L			03/31/23 16:31	5

Client Sample ID: MW-54C H/S-210
Date Collected: 03/20/23 11:00
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-5
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		25	10	ug/L			03/31/23 16:31	5
Methyl tertiary butyl ether	**59**		5.0	1.0	ug/L			03/31/23 16:31	5
Methylene Chloride	ND		5.0	1.5	ug/L			03/31/23 16:31	5
Naphthalene	ND		25	5.0	ug/L			03/31/23 16:31	5
n-Butylbenzene	ND		25	1.5	ug/L			03/31/23 16:31	5
n-Hexane	ND		25	10	ug/L			03/31/23 16:31	5
N-Propylbenzene	ND		25	1.5	ug/L			03/31/23 16:31	5
o-Xylene	ND		5.0	2.0	ug/L			03/31/23 16:31	5
p-Isopropyltoluene	ND		25	1.5	ug/L			03/31/23 16:31	5
sec-Butylbenzene	ND		25	1.5	ug/L			03/31/23 16:31	5
Styrene	ND		25	1.5	ug/L			03/31/23 16:31	5
Tert-amyl methyl ether	**8.3**	**J**	25	4.0	ug/L			03/31/23 16:31	5
tert-Butylbenzene	ND		25	1.5	ug/L			03/31/23 16:31	5
Tetrachloroethene	ND		5.0	1.5	ug/L			03/31/23 16:31	5
Toluene	ND		5.0	1.0	ug/L			03/31/23 16:31	5
trans-1,2-Dichloroethene	ND		10	3.5	ug/L			03/31/23 16:31	5
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/L			03/31/23 16:31	5
Trichloroethene	ND		5.0	1.5	ug/L			03/31/23 16:31	5
Trichlorofluoromethane	ND		5.0	1.0	ug/L			03/31/23 16:31	5
Vinyl chloride	ND		5.0	1.0	ug/L			03/31/23 16:31	5
Xylenes, Total	ND		5.0	2.0	ug/L			03/31/23 16:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/31/23 16:31*	*5*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*03/31/23 16:31*	*5*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*03/31/23 16:31*	*5*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/31/23 16:31*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Butyl alcohol	**9000**		2500	600	ug/L			03/31/23 16:51	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/31/23 16:51*	*50*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*03/31/23 16:51*	*50*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/31/23 16:51*	*50*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/31/23 16:51*	*50*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-54C H/S-298
Date Collected: 03/20/23 11:10
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-6
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 17:11	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 17:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 17:11	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 17:11	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 17:11	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 17:11	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/31/23 17:11	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/31/23 17:11	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/31/23 17:11	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 17:11	1
1,2,4-Trimethylbenzene	**1.0**	**J**	5.0	1.0	ug/L			03/31/23 17:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/31/23 17:11	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/31/23 17:11	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/31/23 17:11	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 17:11	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 17:11	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:11	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/31/23 17:11	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 17:11	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 17:11	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 17:11	1
2-Butanone	ND		10	0.50	ug/L			03/31/23 17:11	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 17:11	1
2-Hexanone	ND		10	0.85	ug/L			03/31/23 17:11	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 17:11	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/31/23 17:11	1
Acetone	**4.2**	**J B cn**	20	0.70	ug/L			03/31/23 17:11	1
Benzene	**31**		1.0	0.30	ug/L			03/31/23 17:11	1
Bromobenzene	ND		5.0	0.30	ug/L			03/31/23 17:11	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/31/23 17:11	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/31/23 17:11	1
Bromoform	ND		4.0	1.0	ug/L			03/31/23 17:11	1
Bromomethane	ND		1.0	0.30	ug/L			03/31/23 17:11	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/31/23 17:11	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/31/23 17:11	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/31/23 17:11	1
Chloroethane	ND		1.0	0.20	ug/L			03/31/23 17:11	1
Chloroform	ND		1.0	0.30	ug/L			03/31/23 17:11	1
Chloromethane	ND		2.0	0.55	ug/L			03/31/23 17:11	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 17:11	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 17:11	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/31/23 17:11	1
Dibromomethane	ND		1.0	0.30	ug/L			03/31/23 17:11	1
Dichlorodifluoromethane	ND	cn	1.0	0.20	ug/L			03/31/23 17:11	1
di-Isopropyl ether	**24**		1.0	0.30	ug/L			03/31/23 17:11	1
Tert-butyl ethyl ether	**100**		1.0	0.30	ug/L			03/31/23 17:11	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/31/23 17:11	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/31/23 17:11	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/31/23 17:11	1

Client Sample ID: MW-54C H/S-298
Date Collected: 03/20/23 11:10
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-6
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			03/31/23 17:11	1
Methyl tertiary butyl ether	**72**		1.0	0.20	ug/L			03/31/23 17:11	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/31/23 17:11	1
Naphthalene	ND		5.0	1.0	ug/L			03/31/23 17:11	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:11	1
n-Hexane	ND		5.0	2.0	ug/L			03/31/23 17:11	1
N-Propylbenzene	**0.31**	**J**	5.0	0.30	ug/L			03/31/23 17:11	1
o-Xylene	ND		1.0	0.40	ug/L			03/31/23 17:11	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/31/23 17:11	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:11	1
Styrene	ND		5.0	0.30	ug/L			03/31/23 17:11	1
Tert-amyl methyl ether	**8.1**		5.0	0.80	ug/L			03/31/23 17:11	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:11	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/31/23 17:11	1
Toluene	ND		1.0	0.20	ug/L			03/31/23 17:11	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/31/23 17:11	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 17:11	1
Trichloroethene	ND		1.0	0.30	ug/L			03/31/23 17:11	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/31/23 17:11	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/31/23 17:11	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/31/23 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*03/31/23 17:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*03/31/23 17:11*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*03/31/23 17:11*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/31/23 17:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Butyl alcohol	**4600**		500	120	ug/L			04/03/23 18:31	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*04/03/23 18:31*	*10*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*04/03/23 18:31*	*10*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*04/03/23 18:31*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/03/23 18:31*	*10*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-38C
Date Collected: 03/20/23 13:15
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-7
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 17:31	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 17:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 17:31	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 17:31	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 17:31	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 17:31	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/31/23 17:31	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/31/23 17:31	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/31/23 17:31	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 17:31	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/31/23 17:31	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/31/23 17:31	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/31/23 17:31	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/31/23 17:31	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 17:31	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 17:31	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:31	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/31/23 17:31	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 17:31	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 17:31	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 17:31	1
2-Butanone	ND		10	0.50	ug/L			03/31/23 17:31	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 17:31	1
2-Hexanone	ND		10	0.85	ug/L			03/31/23 17:31	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 17:31	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/31/23 17:31	1
Acetone	**5.7**	**J B cn**	20	0.70	ug/L			03/31/23 17:31	1
Benzene	ND		1.0	0.30	ug/L			03/31/23 17:31	1
Bromobenzene	ND		5.0	0.30	ug/L			03/31/23 17:31	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/31/23 17:31	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/31/23 17:31	1
Bromoform	ND		4.0	1.0	ug/L			03/31/23 17:31	1
Bromomethane	ND		1.0	0.30	ug/L			03/31/23 17:31	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/31/23 17:31	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/31/23 17:31	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/31/23 17:31	1
Chloroethane	ND		1.0	0.20	ug/L			03/31/23 17:31	1
Chloroform	ND		1.0	0.30	ug/L			03/31/23 17:31	1
Chloromethane	ND		2.0	0.55	ug/L			03/31/23 17:31	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 17:31	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 17:31	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/31/23 17:31	1
Dibromomethane	ND		1.0	0.30	ug/L			03/31/23 17:31	1
Dichlorodifluoromethane	ND	cn	1.0	0.20	ug/L			03/31/23 17:31	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			03/31/23 17:31	1
Tert-butyl ethyl ether	ND		1.0	0.30	ug/L			03/31/23 17:31	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/31/23 17:31	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/31/23 17:31	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/31/23 17:31	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-38C
Date Collected: 03/20/23 13:15
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-7
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			03/31/23 17:31	1
Methyl tertiary butyl ether	**16**		1.0	0.20	ug/L			03/31/23 17:31	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/31/23 17:31	1
Naphthalene	ND		5.0	1.0	ug/L			03/31/23 17:31	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:31	1
n-Hexane	ND		5.0	2.0	ug/L			03/31/23 17:31	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:31	1
o-Xylene	ND		1.0	0.40	ug/L			03/31/23 17:31	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/31/23 17:31	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:31	1
Styrene	ND		5.0	0.30	ug/L			03/31/23 17:31	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			03/31/23 17:31	1
t-Butyl alcohol	ND		50	12	ug/L			03/31/23 17:31	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:31	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/31/23 17:31	1
Toluene	ND		1.0	0.20	ug/L			03/31/23 17:31	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/31/23 17:31	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 17:31	1
Trichloroethene	ND		1.0	0.30	ug/L			03/31/23 17:31	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/31/23 17:31	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/31/23 17:31	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/31/23 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/31/23 17:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*03/31/23 17:31*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*03/31/23 17:31*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*03/31/23 17:31*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-178C
Date Collected: 03/20/23 13:30
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-8
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 17:51	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 17:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 17:51	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 17:51	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 17:51	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 17:51	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/31/23 17:51	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/31/23 17:51	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/31/23 17:51	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 17:51	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/31/23 17:51	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/31/23 17:51	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/31/23 17:51	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/31/23 17:51	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 17:51	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 17:51	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:51	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/31/23 17:51	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 17:51	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 17:51	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 17:51	1
2-Butanone	ND		10	0.50	ug/L			03/31/23 17:51	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 17:51	1
2-Hexanone	ND		10	0.85	ug/L			03/31/23 17:51	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 17:51	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/31/23 17:51	1
Acetone	**4.7**	**J B cn**	20	0.70	ug/L			03/31/23 17:51	1
Benzene	ND		1.0	0.30	ug/L			03/31/23 17:51	1
Bromobenzene	ND		5.0	0.30	ug/L			03/31/23 17:51	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/31/23 17:51	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/31/23 17:51	1
Bromoform	ND		4.0	1.0	ug/L			03/31/23 17:51	1
Bromomethane	ND		1.0	0.30	ug/L			03/31/23 17:51	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/31/23 17:51	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/31/23 17:51	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/31/23 17:51	1
Chloroethane	ND		1.0	0.20	ug/L			03/31/23 17:51	1
Chloroform	ND		1.0	0.30	ug/L			03/31/23 17:51	1
Chloromethane	ND		2.0	0.55	ug/L			03/31/23 17:51	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 17:51	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 17:51	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/31/23 17:51	1
Dibromomethane	ND		1.0	0.30	ug/L			03/31/23 17:51	1
Dichlorodifluoromethane	ND	cn	1.0	0.20	ug/L			03/31/23 17:51	1
di-Isopropyl ether	**0.75**	**J**	1.0	0.30	ug/L			03/31/23 17:51	1
Tert-butyl ethyl ether	**2.2**		1.0	0.30	ug/L			03/31/23 17:51	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/31/23 17:51	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/31/23 17:51	1
Isopropylbenzene	ND		5.0	0.20	ug/L			03/31/23 17:51	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-178C
Date Collected: 03/20/23 13:30
Date Received: 03/22/23 17:04

Lab Sample ID: 410-119777-8
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			03/31/23 17:51	1
Methyl tertiary butyl ether	**50**		1.0	0.20	ug/L			03/31/23 17:51	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/31/23 17:51	1
Naphthalene	ND		5.0	1.0	ug/L			03/31/23 17:51	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:51	1
n-Hexane	ND		5.0	2.0	ug/L			03/31/23 17:51	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:51	1
o-Xylene	ND		1.0	0.40	ug/L			03/31/23 17:51	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/31/23 17:51	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:51	1
Styrene	ND		5.0	0.30	ug/L			03/31/23 17:51	1
Tert-amyl methyl ether	**2.8**	**J**	5.0	0.80	ug/L			03/31/23 17:51	1
t-Butyl alcohol	**83**		50	12	ug/L			03/31/23 17:51	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 17:51	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/31/23 17:51	1
Toluene	ND		1.0	0.20	ug/L			03/31/23 17:51	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/31/23 17:51	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 17:51	1
Trichloroethene	ND		1.0	0.30	ug/L			03/31/23 17:51	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/31/23 17:51	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/31/23 17:51	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/31/23 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/31/23 17:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*03/31/23 17:51*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/31/23 17:51*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*03/31/23 17:51*	*1*

Surrogate Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

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

Matrix: Groundwater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DCA	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-119777-1	MW-187A	94	96	93	98
410-119777-1 - DL	MW-187A	96	100	98	97
410-119777-2	MW-187B	96	102	101	94
410-119777-3	MW-187C	94	99	100	94
410-119777-3 - DL	MW-187C	94	100	101	94
410-119777-4	MW-54B	95	99	100	96
410-119777-5	MW-54C H/S-210	94	101	100	95
410-119777-5 - DL	MW-54C H/S-210	94	103	102	94
410-119777-6	MW-54C H/S-298	95	101	98	94
410-119777-6 - DL	MW-54C H/S-298	93	103	102	93
410-119777-7	MW-38C	94	102	103	93
410-119777-8	MW-178C	93	101	102	93

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DCA	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
LCS 410-359497/4	Lab Control Sample	101	98	96	102
LCS 410-360066/4	Lab Control Sample	98	102	100	99
MB 410-359497/6	Method Blank	101	98	97	99
MB 410-360066/6	Method Blank	93	102	102	93

Surrogate Legend

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

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

Lab Sample ID: MB 410-359497/6
Matrix: Water
Analysis Batch: 359497

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 09:45	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 09:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/31/23 09:45	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/31/23 09:45	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 09:45	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 09:45	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			03/31/23 09:45	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/31/23 09:45	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/31/23 09:45	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 09:45	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/31/23 09:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/31/23 09:45	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/31/23 09:45	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/31/23 09:45	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/31/23 09:45	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 09:45	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/31/23 09:45	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/31/23 09:45	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 09:45	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/31/23 09:45	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			03/31/23 09:45	1
2-Butanone	ND		10	0.50	ug/L			03/31/23 09:45	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 09:45	1
2-Hexanone	ND		10	0.85	ug/L			03/31/23 09:45	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			03/31/23 09:45	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/31/23 09:45	1
Acetone	4.46	J	20	0.70	ug/L			03/31/23 09:45	1
Benzene	ND		1.0	0.30	ug/L			03/31/23 09:45	1
Bromobenzene	ND		5.0	0.30	ug/L			03/31/23 09:45	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/31/23 09:45	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/31/23 09:45	1
Bromoform	ND		4.0	1.0	ug/L			03/31/23 09:45	1
Bromomethane	ND		1.0	0.30	ug/L			03/31/23 09:45	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/31/23 09:45	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/31/23 09:45	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/31/23 09:45	1
Chloroethane	ND		1.0	0.20	ug/L			03/31/23 09:45	1
Chloroform	ND		1.0	0.30	ug/L			03/31/23 09:45	1
Chloromethane	ND		2.0	0.55	ug/L			03/31/23 09:45	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/31/23 09:45	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 09:45	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/31/23 09:45	1
Dibromomethane	ND		1.0	0.30	ug/L			03/31/23 09:45	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			03/31/23 09:45	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			03/31/23 09:45	1
Tert-butyl ethyl ether	ND		1.0	0.30	ug/L			03/31/23 09:45	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/31/23 09:45	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			03/31/23 09:45	1

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

Lab Sample ID: MB 410-359497/6
Matrix: Water
Analysis Batch: 359497

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.0	0.20	ug/L			03/31/23 09:45	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/31/23 09:45	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/31/23 09:45	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/31/23 09:45	1
Naphthalene	ND		5.0	1.0	ug/L			03/31/23 09:45	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 09:45	1
n-Hexane	ND		5.0	2.0	ug/L			03/31/23 09:45	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/31/23 09:45	1
o-Xylene	ND		1.0	0.40	ug/L			03/31/23 09:45	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/31/23 09:45	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 09:45	1
Styrene	ND		5.0	0.30	ug/L			03/31/23 09:45	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			03/31/23 09:45	1
t-Butyl alcohol	ND		50	12	ug/L			03/31/23 09:45	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/31/23 09:45	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/31/23 09:45	1
Toluene	ND		1.0	0.20	ug/L			03/31/23 09:45	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/31/23 09:45	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/31/23 09:45	1
Trichloroethene	ND		1.0	0.30	ug/L			03/31/23 09:45	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			03/31/23 09:45	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/31/23 09:45	1
Xylenes, Total	ND		1.0	0.40	ug/L			03/31/23 09:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*03/31/23 09:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*03/31/23 09:45*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*03/31/23 09:45*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/31/23 09:45*	*1*

Lab Sample ID: LCS 410-359497/4
Matrix: Water
Analysis Batch: 359497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.1		ug/L		96	78 - 120
1,1,1-Trichloroethane	20.0	18.8		ug/L		94	67 - 126
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		95	72 - 120
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	80 - 120
1,1-Dichloroethane	20.0	19.6		ug/L		98	80 - 120
1,1-Dichloroethene	20.0	18.9		ug/L		94	80 - 131
1,1-Dichloropropene	20.0	20.7		ug/L		103	78 - 120
1,2,3-Trichlorobenzene	20.0	18.7		ug/L		93	66 - 120
1,2,3-Trichloropropane	20.0	18.6		ug/L		93	75 - 124
1,2,4-Trichlorobenzene	20.0	18.9		ug/L		94	63 - 120
1,2,4-Trimethylbenzene	20.0	18.8		ug/L		94	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.1		ug/L		86	47 - 131
1,2-Dibromoethane	20.0	19.7		ug/L		98	77 - 120

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

Lab Sample ID: LCS 410-359497/4
Matrix: Water
Analysis Batch: 359497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	20.0	18.5		ug/L		92	80 - 120
1,2-Dichloroethane	20.0	20.1		ug/L		100	73 - 124
1,2-Dichloropropane	20.0	19.9		ug/L		99	80 - 120
1,3,5-Trimethylbenzene	20.0	18.9		ug/L		95	75 - 120
1,3-Dichlorobenzene	20.0	18.9		ug/L		95	80 - 120
1,3-Dichloropropane	20.0	20.3		ug/L		101	80 - 120
1,4-Dichlorobenzene	20.0	20.3		ug/L		102	80 - 120
2,2-Dichloropropane	20.0	19.2		ug/L		96	55 - 142
2-Butanone	250	254		ug/L		102	59 - 135
2-Chlorotoluene	20.0	19.1		ug/L		95	80 - 120
2-Hexanone	250	281		ug/L		113	56 - 135
4-Chlorotoluene	20.0	19.6		ug/L		98	80 - 120
4-Methyl-2-pentanone	250	261		ug/L		104	62 - 133
Acetone	250	229		ug/L		92	54 - 157
Benzene	20.0	20.1		ug/L		100	80 - 120
Bromobenzene	20.0	19.5		ug/L		98	80 - 120
Bromochloromethane	20.0	18.9		ug/L		95	80 - 120
Bromodichloromethane	20.0	19.3		ug/L		97	71 - 120
Bromoform	20.0	18.6		ug/L		93	51 - 120
Bromomethane	20.0	15.4		ug/L		77	53 - 128
Carbon disulfide	20.0	19.1		ug/L		96	65 - 128
Carbon tetrachloride	20.0	18.6		ug/L		93	64 - 134
Chlorobenzene	20.0	19.2		ug/L		96	80 - 120
Chloroethane	20.0	16.9		ug/L		85	55 - 123
Chloroform	20.0	19.2		ug/L		96	80 - 120
Chloromethane	20.0	17.6		ug/L		88	56 - 121
cis-1,2-Dichloroethene	20.0	19.5		ug/L		97	80 - 125
cis-1,3-Dichloropropene	20.0	19.0		ug/L		95	75 - 120
Dibromochloromethane	20.0	19.2		ug/L		96	71 - 120
Dibromomethane	20.0	19.5		ug/L		98	80 - 120
Dichlorodifluoromethane	20.0	13.6		ug/L		68	41 - 127
di-Isopropyl ether	20.0	20.7		ug/L		103	70 - 124
Tert-butyl ethyl ether	20.0	19.2		ug/L		96	68 - 121
Ethylbenzene	20.0	19.9		ug/L		99	80 - 120
Hexachlorobutadiene	20.0	20.1		ug/L		101	63 - 120
Isopropylbenzene	20.0	19.7		ug/L		98	80 - 120
m&p-Xylene	40.0	39.0		ug/L		98	80 - 120
Methyl tertiary butyl ether	20.0	19.0		ug/L		95	69 - 122
Methylene Chloride	20.0	18.8		ug/L		94	80 - 120
Naphthalene	20.0	17.9		ug/L		90	53 - 124
n-Butylbenzene	20.0	19.4		ug/L		97	76 - 120
n-Hexane	20.0	21.0		ug/L		105	61 - 138
N-Propylbenzene	20.0	20.0		ug/L		100	79 - 121
o-Xylene	20.0	18.8		ug/L		94	80 - 120
p-Isopropyltoluene	20.0	19.1		ug/L		95	76 - 120
sec-Butylbenzene	20.0	19.5		ug/L		97	77 - 120
Styrene	20.0	19.5		ug/L		98	80 - 120
Tert-amyl methyl ether	20.0	18.5		ug/L		92	66 - 120
t-Butyl alcohol	200	206		ug/L		103	60 - 130

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

Lab Sample ID: LCS 410-359497/4
Matrix: Water
Analysis Batch: 359497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
tert-Butylbenzene	20.0	18.9		ug/L		95	78 - 120
Tetrachloroethene	20.0	19.3		ug/L		96	80 - 120
Toluene	20.0	20.0		ug/L		100	80 - 120
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	80 - 126
trans-1,3-Dichloropropene	20.0	19.7		ug/L		99	67 - 120
Trichloroethene	20.0	19.1		ug/L		96	80 - 120
Trichlorofluoromethane	20.0	13.9		ug/L		70	55 - 135
Vinyl chloride	20.0	16.4		ug/L		82	56 - 120
Xylenes, Total	60.0	57.8		ug/L		96	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 410-360066/6
Matrix: Water
Analysis Batch: 360066

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/03/23 09:35	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			04/03/23 09:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/03/23 09:35	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			04/03/23 09:35	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/03/23 09:35	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			04/03/23 09:35	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			04/03/23 09:35	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			04/03/23 09:35	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			04/03/23 09:35	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			04/03/23 09:35	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			04/03/23 09:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			04/03/23 09:35	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			04/03/23 09:35	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			04/03/23 09:35	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/03/23 09:35	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/03/23 09:35	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			04/03/23 09:35	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			04/03/23 09:35	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			04/03/23 09:35	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			04/03/23 09:35	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			04/03/23 09:35	1
2-Butanone	ND		10	0.50	ug/L			04/03/23 09:35	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			04/03/23 09:35	1
2-Hexanone	ND		10	0.85	ug/L			04/03/23 09:35	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			04/03/23 09:35	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			04/03/23 09:35	1
Acetone	4.86	J	20	0.70	ug/L			04/03/23 09:35	1

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

Lab Sample ID: MB 410-360066/6
Matrix: Water
Analysis Batch: 360066

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			04/03/23 09:35	1
Bromobenzene	ND		5.0	0.30	ug/L			04/03/23 09:35	1
Bromochloromethane	ND		5.0	0.20	ug/L			04/03/23 09:35	1
Bromodichloromethane	ND		1.0	0.20	ug/L			04/03/23 09:35	1
Bromoform	ND		4.0	1.0	ug/L			04/03/23 09:35	1
Bromomethane	ND		1.0	0.30	ug/L			04/03/23 09:35	1
Carbon disulfide	ND		5.0	0.30	ug/L			04/03/23 09:35	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			04/03/23 09:35	1
Chlorobenzene	ND		1.0	0.30	ug/L			04/03/23 09:35	1
Chloroethane	ND		1.0	0.20	ug/L			04/03/23 09:35	1
Chloroform	ND		1.0	0.30	ug/L			04/03/23 09:35	1
Chloromethane	ND		2.0	0.55	ug/L			04/03/23 09:35	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/03/23 09:35	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/03/23 09:35	1
Dibromochloromethane	ND		1.0	0.20	ug/L			04/03/23 09:35	1
Dibromomethane	ND		1.0	0.30	ug/L			04/03/23 09:35	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			04/03/23 09:35	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			04/03/23 09:35	1
Tert-butyl ethyl ether	ND		1.0	0.30	ug/L			04/03/23 09:35	1
Ethylbenzene	ND		1.0	0.40	ug/L			04/03/23 09:35	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			04/03/23 09:35	1
Isopropylbenzene	ND		5.0	0.20	ug/L			04/03/23 09:35	1
m&p-Xylene	ND		5.0	2.0	ug/L			04/03/23 09:35	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			04/03/23 09:35	1
Methylene Chloride	ND		1.0	0.30	ug/L			04/03/23 09:35	1
Naphthalene	ND		5.0	1.0	ug/L			04/03/23 09:35	1
n-Butylbenzene	ND		5.0	0.30	ug/L			04/03/23 09:35	1
n-Hexane	ND		5.0	2.0	ug/L			04/03/23 09:35	1
N-Propylbenzene	ND		5.0	0.30	ug/L			04/03/23 09:35	1
o-Xylene	ND		1.0	0.40	ug/L			04/03/23 09:35	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			04/03/23 09:35	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			04/03/23 09:35	1
Styrene	ND		5.0	0.30	ug/L			04/03/23 09:35	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			04/03/23 09:35	1
t-Butyl alcohol	ND		50	12	ug/L			04/03/23 09:35	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			04/03/23 09:35	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/03/23 09:35	1
Toluene	ND		1.0	0.20	ug/L			04/03/23 09:35	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			04/03/23 09:35	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/03/23 09:35	1
Trichloroethene	ND		1.0	0.30	ug/L			04/03/23 09:35	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			04/03/23 09:35	1
Vinyl chloride	ND		1.0	0.20	ug/L			04/03/23 09:35	1
Xylenes, Total	ND		1.0	0.40	ug/L			04/03/23 09:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*04/03/23 09:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*04/03/23 09:35*	*1*

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

Lab Sample ID: MB 410-360066/6
Matrix: Water
Analysis Batch: 360066

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*04/03/23 09:35*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/03/23 09:35*	*1*

Lab Sample ID: LCS 410-360066/4
Matrix: Water
Analysis Batch: 360066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	21.5		ug/L		108	78 - 120
1,1,1-Trichloroethane	20.0	19.5		ug/L		98	67 - 126
1,1,2,2-Tetrachloroethane	20.0	18.8		ug/L		94	72 - 120
1,1,2-Trichloroethane	20.0	21.4		ug/L		107	80 - 120
1,1-Dichloroethane	20.0	19.2		ug/L		96	80 - 120
1,1-Dichloroethene	20.0	18.7		ug/L		94	80 - 131
1,1-Dichloropropene	20.0	20.6		ug/L		103	78 - 120
1,2,3-Trichlorobenzene	20.0	20.7		ug/L		103	66 - 120
1,2,3-Trichloropropane	20.0	19.1		ug/L		96	75 - 124
1,2,4-Trichlorobenzene	20.0	20.6		ug/L		103	63 - 120
1,2,4-Trimethylbenzene	20.0	18.7		ug/L		94	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.1		ug/L		81	47 - 131
1,2-Dibromoethane	20.0	21.8		ug/L		109	77 - 120
1,2-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120
1,2-Dichloroethane	20.0	20.5		ug/L		103	73 - 124
1,2-Dichloropropane	20.0	20.1		ug/L		101	80 - 120
1,3,5-Trimethylbenzene	20.0	18.8		ug/L		94	75 - 120
1,3-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 120
1,3-Dichloropropane	20.0	20.7		ug/L		103	80 - 120
1,4-Dichlorobenzene	20.0	22.3		ug/L		112	80 - 120
2,2-Dichloropropane	20.0	18.9		ug/L		94	55 - 142
2-Butanone	250	234		ug/L		94	59 - 135
2-Chlorotoluene	20.0	20.2		ug/L		101	80 - 120
2-Hexanone	250	256		ug/L		102	56 - 135
4-Chlorotoluene	20.0	21.1		ug/L		105	80 - 120
4-Methyl-2-pentanone	250	241		ug/L		96	62 - 133
Acetone	250	278		ug/L		111	54 - 157
Benzene	20.0	21.0		ug/L		105	80 - 120
Bromobenzene	20.0	21.4		ug/L		107	80 - 120
Bromochloromethane	20.0	22.4		ug/L		112	80 - 120
Bromodichloromethane	20.0	20.4		ug/L		102	71 - 120
Bromoform	20.0	22.0		ug/L		110	51 - 120
Bromomethane	20.0	17.1		ug/L		86	53 - 128
Carbon disulfide	20.0	18.2		ug/L		91	65 - 128
Carbon tetrachloride	20.0	19.5		ug/L		97	64 - 134
Chlorobenzene	20.0	21.4		ug/L		107	80 - 120
Chloroethane	20.0	16.4		ug/L		82	55 - 123
Chloroform	20.0	20.2		ug/L		101	80 - 120
Chloromethane	20.0	14.6		ug/L		73	56 - 121
cis-1,2-Dichloroethene	20.0	21.7		ug/L		108	80 - 125

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

Lab Sample ID: LCS 410-360066/4
Matrix: Water
Analysis Batch: 360066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.4		ug/L		97	75 - 120
Dibromochloromethane	20.0	22.1		ug/L		111	71 - 120
Dibromomethane	20.0	21.9		ug/L		109	80 - 120
Dichlorodifluoromethane	20.0	12.1		ug/L		60	41 - 127
di-Isopropyl ether	20.0	18.9		ug/L		95	70 - 124
Tert-butyl ethyl ether	20.0	18.6		ug/L		93	68 - 121
Ethylbenzene	20.0	20.4		ug/L		102	80 - 120
Hexachlorobutadiene	20.0	21.4		ug/L		107	63 - 120
Isopropylbenzene	20.0	20.2		ug/L		101	80 - 120
m&p-Xylene	40.0	41.9		ug/L		105	80 - 120
Methyl tertiary butyl ether	20.0	20.1		ug/L		100	69 - 122
Methylene Chloride	20.0	20.0		ug/L		100	80 - 120
Naphthalene	20.0	18.1		ug/L		90	53 - 124
n-Butylbenzene	20.0	18.8		ug/L		94	76 - 120
n-Hexane	20.0	16.7		ug/L		83	61 - 138
N-Propylbenzene	20.0	19.7		ug/L		98	79 - 121
o-Xylene	20.0	19.9		ug/L		99	80 - 120
p-Isopropyltoluene	20.0	19.2		ug/L		96	76 - 120
sec-Butylbenzene	20.0	19.1		ug/L		95	77 - 120
Styrene	20.0	20.9		ug/L		104	80 - 120
Tert-amyl methyl ether	20.0	18.6		ug/L		93	66 - 120
t-Butyl alcohol	200	198		ug/L		99	60 - 130
tert-Butylbenzene	20.0	19.5		ug/L		98	78 - 120
Tetrachloroethene	20.0	22.4		ug/L		112	80 - 120
Toluene	20.0	20.9		ug/L		104	80 - 120
trans-1,2-Dichloroethene	20.0	20.3		ug/L		101	80 - 126
trans-1,3-Dichloropropene	20.0	19.7		ug/L		99	67 - 120
Trichloroethene	20.0	21.0		ug/L		105	80 - 120
Trichlorofluoromethane	20.0	13.0		ug/L		65	55 - 135
Vinyl chloride	20.0	14.9		ug/L		74	56 - 120
Xylenes, Total	60.0	61.8		ug/L		103	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

QC Association Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

GC/MS VOA

Analysis Batch: 359497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-119777-1	MW-187A	Total/NA	Groundwater	8260C	
410-119777-1 - DL	MW-187A	Total/NA	Groundwater	8260C	
410-119777-2	MW-187B	Total/NA	Groundwater	8260C	
410-119777-3	MW-187C	Total/NA	Groundwater	8260C	
410-119777-3 - DL	MW-187C	Total/NA	Groundwater	8260C	
410-119777-4	MW-54B	Total/NA	Groundwater	8260C	
410-119777-5	MW-54C H/S-210	Total/NA	Groundwater	8260C	
410-119777-5 - DL	MW-54C H/S-210	Total/NA	Groundwater	8260C	
410-119777-6	MW-54C H/S-298	Total/NA	Groundwater	8260C	
410-119777-7	MW-38C	Total/NA	Groundwater	8260C	
410-119777-8	MW-178C	Total/NA	Groundwater	8260C	
MB 410-359497/6	Method Blank	Total/NA	Water	8260C	
LCS 410-359497/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 360066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-119777-6 - DL	MW-54C H/S-298	Total/NA	Groundwater	8260C	
MB 410-360066/6	Method Blank	Total/NA	Water	8260C	
LCS 410-360066/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

Client Sample ID: MW-187A
Lab Sample ID: 410-119777-1
Date Collected: 03/20/23 11:15
Matrix: Groundwater
Date Received: 03/22/23 17:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	359497	ULCP	ELLE	03/31/23 14:29
Total/NA	Analysis	8260C	DL	10	359497	ULCP	ELLE	03/31/23 14:50

Client Sample ID: MW-187B
Lab Sample ID: 410-119777-2
Date Collected: 03/20/23 11:25
Matrix: Groundwater
Date Received: 03/22/23 17:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	359497	ULCP	ELLE	03/31/23 15:10

Client Sample ID: MW-187C
Lab Sample ID: 410-119777-3
Date Collected: 03/20/23 11:30
Matrix: Groundwater
Date Received: 03/22/23 17:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	359497	ULCP	ELLE	03/31/23 15:30
Total/NA	Analysis	8260C	DL	10	359497	ULCP	ELLE	03/31/23 15:50

Client Sample ID: MW-54B
Lab Sample ID: 410-119777-4
Date Collected: 03/20/23 13:00
Matrix: Groundwater
Date Received: 03/22/23 17:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	359497	ULCP	ELLE	03/31/23 16:11

Client Sample ID: MW-54C H/S-210
Lab Sample ID: 410-119777-5
Date Collected: 03/20/23 11:00
Matrix: Groundwater
Date Received: 03/22/23 17:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	359497	ULCP	ELLE	03/31/23 16:31
Total/NA	Analysis	8260C	DL	50	359497	ULCP	ELLE	03/31/23 16:51

Client Sample ID: MW-54C H/S-298
Lab Sample ID: 410-119777-6
Date Collected: 03/20/23 11:10
Matrix: Groundwater
Date Received: 03/22/23 17:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	359497	ULCP	ELLE	03/31/23 17:11
Total/NA	Analysis	8260C	DL	10	360066	ULCP	ELLE	04/03/23 18:31

Lab Chronicle

Client: Kleinfelder Inc
Job ID: 410-119777-1
Project/Site: 2-8077 - Phoenix, MD

Client Sample ID: MW-38C
Lab Sample ID: 410-119777-7
Date Collected: 03/20/23 13:15
Matrix: Groundwater
Date Received: 03/22/23 17:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	359497	ULCP	ELLE	03/31/23 17:31

Client Sample ID: MW-178C
Lab Sample ID: 410-119777-8
Date Collected: 03/20/23 13:30
Matrix: Groundwater
Date Received: 03/22/23 17:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	359497	ULCP	ELLE	03/31/23 17:51

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Kleinfelder Inc
Job ID: 410-119777-1
Project/Site: 2-8077 - Phoenix, MD

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Groundwater	1,1,1,2-Tetrachloroethane
8260C		Groundwater	1,1,1-Trichloroethane
8260C		Groundwater	1,1,2,2-Tetrachloroethane
8260C		Groundwater	1,1,2-Trichloroethane
8260C		Groundwater	1,1-Dichloroethane
8260C		Groundwater	1,1-Dichloroethene
8260C		Groundwater	1,1-Dichloropropene
8260C		Groundwater	1,2,3-Trichlorobenzene
8260C		Groundwater	1,2,3-Trichloropropane
8260C		Groundwater	1,2,4-Trichlorobenzene
8260C		Groundwater	1,2,4-Trimethylbenzene
8260C		Groundwater	1,2-Dibromo-3-Chloropropane
8260C		Groundwater	1,2-Dibromoethane
8260C		Groundwater	1,2-Dichlorobenzene
8260C		Groundwater	1,2-Dichloroethane
8260C		Groundwater	1,2-Dichloropropane
8260C		Groundwater	1,3,5-Trimethylbenzene
8260C		Groundwater	1,3-Dichlorobenzene
8260C		Groundwater	1,3-Dichloropropane
8260C		Groundwater	1,4-Dichlorobenzene
8260C		Groundwater	2,2-Dichloropropane
8260C		Groundwater	2-Butanone
8260C		Groundwater	2-Chlorotoluene
8260C		Groundwater	2-Hexanone
8260C		Groundwater	4-Chlorotoluene
8260C		Groundwater	4-Methyl-2-pentanone
8260C		Groundwater	Acetone
8260C		Groundwater	Benzene
8260C		Groundwater	Bromobenzene
8260C		Groundwater	Bromochloromethane
8260C		Groundwater	Bromodichloromethane
8260C		Groundwater	Bromoform
8260C		Groundwater	Bromomethane
8260C		Groundwater	Carbon disulfide
8260C		Groundwater	Carbon tetrachloride
8260C		Groundwater	Chlorobenzene
8260C		Groundwater	Chloroethane
8260C		Groundwater	Chloroform
8260C		Groundwater	Chloromethane
8260C		Groundwater	cis-1,2-Dichloroethene
8260C		Groundwater	cis-1,3-Dichloropropene
8260C		Groundwater	Dibromochloromethane
8260C		Groundwater	Dibromomethane
8260C		Groundwater	Dichlorodifluoromethane
8260C		Groundwater	di-Isopropyl ether

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Groundwater	Ethylbenzene
8260C		Groundwater	Hexachlorobutadiene
8260C		Groundwater	Isopropylbenzene
8260C		Groundwater	m&p-Xylene
8260C		Groundwater	Methyl tertiary butyl ether
8260C		Groundwater	Methylene Chloride
8260C		Groundwater	Naphthalene
8260C		Groundwater	n-Butylbenzene
8260C		Groundwater	n-Hexane
8260C		Groundwater	N-Propylbenzene
8260C		Groundwater	o-Xylene
8260C		Groundwater	p-Isopropyltoluene
8260C		Groundwater	sec-Butylbenzene
8260C		Groundwater	Styrene
8260C		Groundwater	t-Butyl alcohol
8260C		Groundwater	Tert-amyl methyl ether
8260C		Groundwater	Tert-butyl ethyl ether
8260C		Groundwater	tert-Butylbenzene
8260C		Groundwater	Tetrachloroethene
8260C		Groundwater	Toluene
8260C		Groundwater	trans-1,2-Dichloroethene
8260C		Groundwater	trans-1,3-Dichloropropene
8260C		Groundwater	Trichloroethene
8260C		Groundwater	Trichlorofluoromethane
8260C		Groundwater	Vinyl chloride
8260C		Groundwater	Xylenes, Total

Method Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-119777-1

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

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

410-119777 Chain of Custody

CHAIN OF CUSTODY- ExxonMobil Projects

Drop Box - MW

PAGE ___ OF ___

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17605
TEL. 717-656-2300
www.lancasterlabs.com

FED-EX Tracking # | Bottle Order Control #

Lancaster Quote # | Lancaster Job #

Client / Reporting Information

mpany Name: Kleinfelder

ject Address: 1745 Dorsey Road, Suite J

y: Hanover, MD | State | Zip: 21076

ject Contact: Mark Schaaf | E-mail

one #: 410-850-0404 | Fax #: 410-850-0049

mpler(s) Name(s): Joe Frascavilla | Phone #: 301-385-0957

SITE NAME - Provide Site Name for Retail or AFE Number for Major Projects

Retail Project (Site Name): Exxon - Phoenix 28077

Major Project (AFE):

Project Name: 14258 Jarrettsville Pike

City: Phoenix | State: MD

ExxonMobil Manager: John Lee

ExxonMobil Purchase Order #: Direct Bill to Exxon Mobil

ExxonMobil Environmental Services Co.

If Project is Direct Bill to Consultant

Company Name

Street Address

City | State | Zip

Attention: | PO#

Requested Analysis (see TEST CODE sheet)

MTBE, BTEX, ETBE, TAME, DIPE, TBA by EPA 8260B

Full List VOCs + Oxy5 by 8260

Matrix Code

DW - Drinking Wa
GW - Ground Wa
WW - Water
SW - Surface Wa
SO - Soil
SL- Sludge
SED-Sedimer
OI - Oil
LIQ - Other Liquic
AIR - Air
SOL - Other Sol
WP - Wipe
FB-Fiel
Blank

caster mple #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONL
	MW-187A		3/20/23	11:15	JF	GW	3	X								
	MW-187B		3/20/23	11:25	JF	GW	3	X								
	MW-187C		3/20/23	11:30	JF	GW	3	X								
	MW-54B		3/20/23	13:00	JF	GW	3	X								
	MW-54C H/S-210		3/20/23	11:00	JF	GW	3	X								
	MW-54C H/S-298		3/20/23	11:10	JF	GW	3	X								
	MW-38C		3/20/23	13:15	JF	GW	3	X								
	MW-178C		3/20/23	13:30	JF	GW	3	X								

Data Deliverable Information

- [X] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

DROP BOX - MW

Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] 8 Day *RUSH*
- [ ] 6 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	3/22/23 15:30	1	2	3/22/23 17:04	2
Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by:	Date Time: 3/22/23 1704	Received By: 5	Custody Seal #	Intact / Not intact	Preserved where applicable	On Ice	Cooler Temp. 1.1

Login Sample Receipt Checklist

Client: Kleinfelder Inc

Job Number: 410-119777-1

Login Number: 119777

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Jeremiah, Cory T

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	IDs on containers do not match the COC. Logged in per COC.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Definitions/Glossary

Client: Kleinfelder Inc
Job ID: 410-119777-1
Project/Site: 2-8077 - Phoenix, MD

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mark Schaaf
Kleinfelder Inc
1745 Dorsey Road
Suite J
Hanover, Maryland 21076

Generated 5/8/2023 8:49:34 PM

JOB DESCRIPTION

2-8077 - Phoenix, MD

JOB NUMBER

410-124137-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
5/8/2023 8:49:34 PM

Authorized for release by
Megan Moeller, Client Services Manager
Megan.Moeller@et.eurofinsus.com
(717)556-7261

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

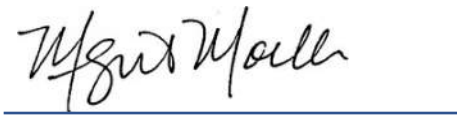

Table of Contents

Sample Summary

Client: Kleinfelder Inc
Job ID: 410-124137-1
Project/Site: 2-8077 - Phoenix, MD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-124137-1	MW-187A	Groundwater	04/24/23 12:00	04/25/23 17:05
410-124137-2	MW-187B	Groundwater	04/24/23 12:05	04/25/23 17:05
410-124137-3	MW-187C	Groundwater	04/24/23 12:10	04/25/23 17:05
410-124137-4	MW-54B	Groundwater	04/24/23 12:40	04/25/23 17:05
410-124137-5	MW-54C H/S-210	Groundwater	04/24/23 12:50	04/25/23 17:05
410-124137-6	MW-54C H/S-298	Groundwater	04/24/23 13:00	04/25/23 17:05
410-124137-7	MW-38C	Groundwater	04/24/23 14:10	04/25/23 17:05
410-124137-8	MW-178C	Groundwater	04/24/23 14:30	04/25/23 17:05

Job ID: 410-124137-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-124137-1

Receipt

The samples were received on 4/25/2023 5:05 PM. 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 1.1°C

Receipt Exceptions

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

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

Detection Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-187A — Lab Sample ID: 410-124137-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.2	J	5.0	1.0	ug/L	1		8260C	Total/NA
1,3,5-Trimethylbenzene	3.7	J	5.0	0.30	ug/L	1		8260C	Total/NA
2-Butanone	1.2	J	10	0.50	ug/L	1		8260C	Total/NA
Acetone	7.7	J	20	0.70	ug/L	1		8260C	Total/NA
Benzene	7.0		1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	0.44	J	1.0	0.30	ug/L	1		8260C	Total/NA
Ethylbenzene	3.0		1.0	0.40	ug/L	1		8260C	Total/NA
Isopropylbenzene	0.43	J	5.0	0.20	ug/L	1		8260C	Total/NA
m&p-Xylene	14		5.0	2.0	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	29		1.0	0.20	ug/L	1		8260C	Total/NA
Naphthalene	1.5	J	5.0	1.0	ug/L	1		8260C	Total/NA
o-Xylene	26		1.0	0.40	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	3.6	J	5.0	0.80	ug/L	1		8260C	Total/NA
t-Butyl alcohol	19	J	50	12	ug/L	1		8260C	Total/NA
Toluene	19		1.0	0.20	ug/L	1		8260C	Total/NA
Xylenes, Total	40		1.0	0.40	ug/L	1		8260C	Total/NA

Client Sample ID: MW-187B — Lab Sample ID: 410-124137-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	4.4	J	10	0.50	ug/L	1		8260C	Total/NA
2-Hexanone	0.96	J	10	0.85	ug/L	1		8260C	Total/NA
Acetone	11	J	20	0.70	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	0.92	J	1.0	0.20	ug/L	1		8260C	Total/NA
t-Butyl alcohol	13	J	50	12	ug/L	1		8260C	Total/NA
Toluene	1.0		1.0	0.20	ug/L	1		8260C	Total/NA

Client Sample ID: MW-187C — Lab Sample ID: 410-124137-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.47	J	5.0	0.30	ug/L	1		8260C	Total/NA
di-Isopropyl ether	2.0		1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	7.4		1.0	0.30	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	14		5.0	0.80	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether - DL	360		10	2.0	ug/L	10		8260C	Total/NA

Client Sample ID: MW-54B — Lab Sample ID: 410-124137-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.5	J	20	0.70	ug/L	1		8260C	Total/NA
di-Isopropyl ether	1.1		1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	5.5		1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	73		1.0	0.20	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	4.9	J	5.0	0.80	ug/L	1		8260C	Total/NA
t-Butyl alcohol	420		50	12	ug/L	1		8260C	Total/NA

Client Sample ID: MW-54C H/S-210 — Lab Sample ID: 410-124137-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	26		5.0	1.5	ug/L	5		8260C	Total/NA
di-Isopropyl ether	36		5.0	1.5	ug/L	5		8260C	Total/NA
Tert-butyl ethyl ether	130		5.0	1.5	ug/L	5		8260C	Total/NA
Methyl tertiary butyl ether	59		5.0	1.0	ug/L	5		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-54C H/S-210 (Continued) — Lab Sample ID: 410-124137-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tert-amyl methyl ether	6.3	J	25	4.0	ug/L	5		8260C	Total/NA
t-Butyl alcohol	9000	E	250	60	ug/L	5		8260C	Total/NA
t-Butyl alcohol - DL	8600		2500	600	ug/L	50		8260C	Total/NA

Client Sample ID: MW-54C H/S-298 — Lab Sample ID: 410-124137-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.3	J	5.0	1.0	ug/L	1		8260C	Total/NA
Acetone	1.2	J	20	0.70	ug/L	1		8260C	Total/NA
Benzene	31		1.0	0.30	ug/L	1		8260C	Total/NA
di-Isopropyl ether	26		1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	100		1.0	0.30	ug/L	1		8260C	Total/NA
Isopropylbenzene	0.21	J	5.0	0.20	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	66		1.0	0.20	ug/L	1		8260C	Total/NA
N-Propylbenzene	0.36	J	5.0	0.30	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	6.5		5.0	0.80	ug/L	1		8260C	Total/NA
t-Butyl alcohol - DL	8600		500	120	ug/L	10		8260C	Total/NA

Client Sample ID: MW-38C — Lab Sample ID: 410-124137-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.4	J	20	0.70	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	0.35	J	1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	16		1.0	0.20	ug/L	1		8260C	Total/NA

Client Sample ID: MW-178C — Lab Sample ID: 410-124137-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.8	J	20	0.70	ug/L	1		8260C	Total/NA
di-Isopropyl ether	0.97	J	1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	2.6		1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	54		1.0	0.20	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	3.6	J	5.0	0.80	ug/L	1		8260C	Total/NA
t-Butyl alcohol	86		50	12	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-187A
Date Collected: 04/24/23 12:00
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-1
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 18:14	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 18:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 18:14	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 18:14	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 18:14	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 18:14	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			05/07/23 18:14	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			05/07/23 18:14	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			05/07/23 18:14	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 18:14	1
1,2,4-Trimethylbenzene	**1.2**	**J**	5.0	1.0	ug/L			05/07/23 18:14	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/07/23 18:14	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/07/23 18:14	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/07/23 18:14	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 18:14	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 18:14	1
1,3,5-Trimethylbenzene	**3.7**	**J**	5.0	0.30	ug/L			05/07/23 18:14	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/07/23 18:14	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 18:14	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 18:14	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 18:14	1
2-Butanone	**1.2**	**J**	10	0.50	ug/L			05/07/23 18:14	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 18:14	1
2-Hexanone	ND		10	0.85	ug/L			05/07/23 18:14	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 18:14	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/07/23 18:14	1
Acetone	**7.7**	**J**	20	0.70	ug/L			05/07/23 18:14	1
Benzene	**7.0**		1.0	0.30	ug/L			05/07/23 18:14	1
Bromobenzene	ND		5.0	0.30	ug/L			05/07/23 18:14	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/07/23 18:14	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/07/23 18:14	1
Bromoform	ND		4.0	1.0	ug/L			05/07/23 18:14	1
Bromomethane	ND		1.0	0.30	ug/L			05/07/23 18:14	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/07/23 18:14	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/07/23 18:14	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/07/23 18:14	1
Chloroethane	ND		1.0	0.20	ug/L			05/07/23 18:14	1
Chloroform	ND		1.0	0.30	ug/L			05/07/23 18:14	1
Chloromethane	ND		2.0	0.55	ug/L			05/07/23 18:14	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 18:14	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 18:14	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/07/23 18:14	1
Dibromomethane	ND		1.0	0.30	ug/L			05/07/23 18:14	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/07/23 18:14	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			05/07/23 18:14	1
Tert-butyl ethyl ether	**0.44**	**J**	1.0	0.30	ug/L			05/07/23 18:14	1
Ethylbenzene	**3.0**		1.0	0.40	ug/L			05/07/23 18:14	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			05/07/23 18:14	1
Isopropylbenzene	**0.43**	**J**	5.0	0.20	ug/L			05/07/23 18:14	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-187A
Date Collected: 04/24/23 12:00
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-1
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	**14**		5.0	2.0	ug/L			05/07/23 18:14	1
Methyl tertiary butyl ether	**29**		1.0	0.20	ug/L			05/07/23 18:14	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/07/23 18:14	1
Naphthalene	**1.5**	**J**	5.0	1.0	ug/L			05/07/23 18:14	1
n-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 18:14	1
n-Hexane	ND		5.0	2.0	ug/L			05/07/23 18:14	1
N-Propylbenzene	ND		5.0	0.30	ug/L			05/07/23 18:14	1
o-Xylene	**26**		1.0	0.40	ug/L			05/07/23 18:14	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			05/07/23 18:14	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 18:14	1
Styrene	ND		5.0	0.30	ug/L			05/07/23 18:14	1
Tert-amyl methyl ether	**3.6**	**J**	5.0	0.80	ug/L			05/07/23 18:14	1
t-Butyl alcohol	**19**	**J**	50	12	ug/L			05/07/23 18:14	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 18:14	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/07/23 18:14	1
Toluene	**19**		1.0	0.20	ug/L			05/07/23 18:14	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/07/23 18:14	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 18:14	1
Trichloroethene	ND		1.0	0.30	ug/L			05/07/23 18:14	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/07/23 18:14	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/07/23 18:14	1
Xylenes, Total	**40**		1.0	0.40	ug/L			05/07/23 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/07/23 18:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*05/07/23 18:14*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*05/07/23 18:14*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/07/23 18:14*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-187B
Date Collected: 04/24/23 12:05
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-2
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 12:25	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 12:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 12:25	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 12:25	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 12:25	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 12:25	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			05/07/23 12:25	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			05/07/23 12:25	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			05/07/23 12:25	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 12:25	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/07/23 12:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/07/23 12:25	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/07/23 12:25	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/07/23 12:25	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 12:25	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 12:25	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/07/23 12:25	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/07/23 12:25	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 12:25	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 12:25	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 12:25	1
2-Butanone	**4.4**	**J**	10	0.50	ug/L			05/07/23 12:25	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 12:25	1
2-Hexanone	**0.96**	**J**	10	0.85	ug/L			05/07/23 12:25	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 12:25	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/07/23 12:25	1
Acetone	**11**	**J**	20	0.70	ug/L			05/07/23 12:25	1
Benzene	ND		1.0	0.30	ug/L			05/07/23 12:25	1
Bromobenzene	ND		5.0	0.30	ug/L			05/07/23 12:25	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/07/23 12:25	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/07/23 12:25	1
Bromoform	ND		4.0	1.0	ug/L			05/07/23 12:25	1
Bromomethane	ND		1.0	0.30	ug/L			05/07/23 12:25	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/07/23 12:25	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/07/23 12:25	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/07/23 12:25	1
Chloroethane	ND		1.0	0.20	ug/L			05/07/23 12:25	1
Chloroform	ND		1.0	0.30	ug/L			05/07/23 12:25	1
Chloromethane	ND		2.0	0.55	ug/L			05/07/23 12:25	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 12:25	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 12:25	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/07/23 12:25	1
Dibromomethane	ND		1.0	0.30	ug/L			05/07/23 12:25	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/07/23 12:25	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			05/07/23 12:25	1
Tert-butyl ethyl ether	ND		1.0	0.30	ug/L			05/07/23 12:25	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/07/23 12:25	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			05/07/23 12:25	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/07/23 12:25	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-187B
Date Collected: 04/24/23 12:05
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-2
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			05/07/23 12:25	1
Methyl tertiary butyl ether	**0.92**	**J**	1.0	0.20	ug/L			05/07/23 12:25	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/07/23 12:25	1
Naphthalene	ND		5.0	1.0	ug/L			05/07/23 12:25	1
n-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 12:25	1
n-Hexane	ND		5.0	2.0	ug/L			05/07/23 12:25	1
N-Propylbenzene	ND		5.0	0.30	ug/L			05/07/23 12:25	1
o-Xylene	ND		1.0	0.40	ug/L			05/07/23 12:25	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			05/07/23 12:25	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 12:25	1
Styrene	ND		5.0	0.30	ug/L			05/07/23 12:25	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			05/07/23 12:25	1
t-Butyl alcohol	**13**	**J**	50	12	ug/L			05/07/23 12:25	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 12:25	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/07/23 12:25	1
Toluene	**1.0**		1.0	0.20	ug/L			05/07/23 12:25	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/07/23 12:25	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 12:25	1
Trichloroethene	ND		1.0	0.30	ug/L			05/07/23 12:25	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/07/23 12:25	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/07/23 12:25	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/07/23 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/07/23 12:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*05/07/23 12:25*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*05/07/23 12:25*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/07/23 12:25*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-187C
Date Collected: 04/24/23 12:10
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-3
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 18:53	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 18:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 18:53	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 18:53	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 18:53	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 18:53	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			05/07/23 18:53	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			05/07/23 18:53	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			05/07/23 18:53	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 18:53	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/07/23 18:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/07/23 18:53	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/07/23 18:53	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/07/23 18:53	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 18:53	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 18:53	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/07/23 18:53	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/07/23 18:53	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 18:53	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 18:53	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 18:53	1
2-Butanone	ND		10	0.50	ug/L			05/07/23 18:53	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 18:53	1
2-Hexanone	ND		10	0.85	ug/L			05/07/23 18:53	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 18:53	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/07/23 18:53	1
Acetone	ND		20	0.70	ug/L			05/07/23 18:53	1
Benzene	ND		1.0	0.30	ug/L			05/07/23 18:53	1
Bromobenzene	ND		5.0	0.30	ug/L			05/07/23 18:53	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/07/23 18:53	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/07/23 18:53	1
Bromoform	ND		4.0	1.0	ug/L			05/07/23 18:53	1
Bromomethane	ND		1.0	0.30	ug/L			05/07/23 18:53	1
Carbon disulfide	**0.47**	**J**	5.0	0.30	ug/L			05/07/23 18:53	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/07/23 18:53	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/07/23 18:53	1
Chloroethane	ND		1.0	0.20	ug/L			05/07/23 18:53	1
Chloroform	ND		1.0	0.30	ug/L			05/07/23 18:53	1
Chloromethane	ND		2.0	0.55	ug/L			05/07/23 18:53	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 18:53	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 18:53	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/07/23 18:53	1
Dibromomethane	ND		1.0	0.30	ug/L			05/07/23 18:53	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/07/23 18:53	1
di-Isopropyl ether	**2.0**		1.0	0.30	ug/L			05/07/23 18:53	1
Tert-butyl ethyl ether	**7.4**		1.0	0.30	ug/L			05/07/23 18:53	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/07/23 18:53	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			05/07/23 18:53	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/07/23 18:53	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-187C
Date Collected: 04/24/23 12:10
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-3
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			05/07/23 18:53	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/07/23 18:53	1
Naphthalene	ND		5.0	1.0	ug/L			05/07/23 18:53	1
n-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 18:53	1
n-Hexane	ND		5.0	2.0	ug/L			05/07/23 18:53	1
N-Propylbenzene	ND		5.0	0.30	ug/L			05/07/23 18:53	1
o-Xylene	ND		1.0	0.40	ug/L			05/07/23 18:53	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			05/07/23 18:53	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 18:53	1
Styrene	ND		5.0	0.30	ug/L			05/07/23 18:53	1
Tert-amyl methyl ether	**14**		5.0	0.80	ug/L			05/07/23 18:53	1
t-Butyl alcohol	ND		50	12	ug/L			05/07/23 18:53	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 18:53	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/07/23 18:53	1
Toluene	ND		1.0	0.20	ug/L			05/07/23 18:53	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/07/23 18:53	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 18:53	1
Trichloroethene	ND		1.0	0.30	ug/L			05/07/23 18:53	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/07/23 18:53	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/07/23 18:53	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/07/23 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/07/23 18:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*05/07/23 18:53*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*05/07/23 18:53*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/07/23 18:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	**360**		10	2.0	ug/L			05/07/23 19:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/07/23 19:12*	*10*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/07/23 19:12*	*10*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*05/07/23 19:12*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/07/23 19:12*	*10*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-54B
Date Collected: 04/24/23 12:40
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-4
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 12:45	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 12:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 12:45	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 12:45	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 12:45	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 12:45	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			05/07/23 12:45	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			05/07/23 12:45	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			05/07/23 12:45	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 12:45	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/07/23 12:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/07/23 12:45	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/07/23 12:45	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/07/23 12:45	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 12:45	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 12:45	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/07/23 12:45	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/07/23 12:45	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 12:45	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 12:45	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 12:45	1
2-Butanone	ND		10	0.50	ug/L			05/07/23 12:45	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 12:45	1
2-Hexanone	ND		10	0.85	ug/L			05/07/23 12:45	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 12:45	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/07/23 12:45	1
Acetone	**2.5**	**J**	20	0.70	ug/L			05/07/23 12:45	1
Benzene	ND		1.0	0.30	ug/L			05/07/23 12:45	1
Bromobenzene	ND		5.0	0.30	ug/L			05/07/23 12:45	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/07/23 12:45	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/07/23 12:45	1
Bromoform	ND		4.0	1.0	ug/L			05/07/23 12:45	1
Bromomethane	ND		1.0	0.30	ug/L			05/07/23 12:45	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/07/23 12:45	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/07/23 12:45	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/07/23 12:45	1
Chloroethane	ND		1.0	0.20	ug/L			05/07/23 12:45	1
Chloroform	ND		1.0	0.30	ug/L			05/07/23 12:45	1
Chloromethane	ND		2.0	0.55	ug/L			05/07/23 12:45	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 12:45	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 12:45	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/07/23 12:45	1
Dibromomethane	ND		1.0	0.30	ug/L			05/07/23 12:45	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/07/23 12:45	1
di-Isopropyl ether	**1.1**		1.0	0.30	ug/L			05/07/23 12:45	1
Tert-butyl ethyl ether	**5.5**		1.0	0.30	ug/L			05/07/23 12:45	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/07/23 12:45	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			05/07/23 12:45	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/07/23 12:45	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-54B
Date Collected: 04/24/23 12:40
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-4
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			05/07/23 12:45	1
Methyl tertiary butyl ether	**73**		1.0	0.20	ug/L			05/07/23 12:45	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/07/23 12:45	1
Naphthalene	ND		5.0	1.0	ug/L			05/07/23 12:45	1
n-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 12:45	1
n-Hexane	ND		5.0	2.0	ug/L			05/07/23 12:45	1
N-Propylbenzene	ND		5.0	0.30	ug/L			05/07/23 12:45	1
o-Xylene	ND		1.0	0.40	ug/L			05/07/23 12:45	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			05/07/23 12:45	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 12:45	1
Styrene	ND		5.0	0.30	ug/L			05/07/23 12:45	1
Tert-amyl methyl ether	**4.9**	**J**	5.0	0.80	ug/L			05/07/23 12:45	1
t-Butyl alcohol	**420**		50	12	ug/L			05/07/23 12:45	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 12:45	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/07/23 12:45	1
Toluene	ND		1.0	0.20	ug/L			05/07/23 12:45	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/07/23 12:45	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 12:45	1
Trichloroethene	ND		1.0	0.30	ug/L			05/07/23 12:45	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/07/23 12:45	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/07/23 12:45	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/07/23 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/07/23 12:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*05/07/23 12:45*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*05/07/23 12:45*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/07/23 12:45*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-54C H/S-210
Date Collected: 04/24/23 12:50
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-5
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.5	ug/L			05/07/23 16:57	5
1,1,1-Trichloroethane	ND		5.0	1.5	ug/L			05/07/23 16:57	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/L			05/07/23 16:57	5
1,1,2-Trichloroethane	ND		5.0	1.5	ug/L			05/07/23 16:57	5
1,1-Dichloroethane	ND		5.0	1.5	ug/L			05/07/23 16:57	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			05/07/23 16:57	5
1,1-Dichloropropene	ND		25	1.5	ug/L			05/07/23 16:57	5
1,2,3-Trichlorobenzene	ND		25	2.0	ug/L			05/07/23 16:57	5
1,2,3-Trichloropropane	ND		25	1.5	ug/L			05/07/23 16:57	5
1,2,4-Trichlorobenzene	ND		25	1.5	ug/L			05/07/23 16:57	5
1,2,4-Trimethylbenzene	ND		25	5.0	ug/L			05/07/23 16:57	5
1,2-Dibromo-3-Chloropropane	ND		25	1.5	ug/L			05/07/23 16:57	5
1,2-Dibromoethane	ND		5.0	1.0	ug/L			05/07/23 16:57	5
1,2-Dichlorobenzene	ND		25	1.0	ug/L			05/07/23 16:57	5
1,2-Dichloroethane	ND		5.0	1.5	ug/L			05/07/23 16:57	5
1,2-Dichloropropane	ND		5.0	1.5	ug/L			05/07/23 16:57	5
1,3,5-Trimethylbenzene	ND		25	1.5	ug/L			05/07/23 16:57	5
1,3-Dichlorobenzene	ND		25	3.4	ug/L			05/07/23 16:57	5
1,3-Dichloropropane	ND		5.0	1.5	ug/L			05/07/23 16:57	5
1,4-Dichlorobenzene	ND		25	1.5	ug/L			05/07/23 16:57	5
2,2-Dichloropropane	ND		5.0	1.5	ug/L			05/07/23 16:57	5
2-Butanone	ND		50	2.5	ug/L			05/07/23 16:57	5
2-Chlorotoluene	ND		25	1.5	ug/L			05/07/23 16:57	5
2-Hexanone	ND		50	4.3	ug/L			05/07/23 16:57	5
4-Chlorotoluene	ND		25	1.5	ug/L			05/07/23 16:57	5
4-Methyl-2-pentanone	ND		50	2.5	ug/L			05/07/23 16:57	5
Acetone	ND		100	3.5	ug/L			05/07/23 16:57	5
Benzene	**26**		5.0	1.5	ug/L			05/07/23 16:57	5
Bromobenzene	ND		25	1.5	ug/L			05/07/23 16:57	5
Bromochloromethane	ND		25	1.0	ug/L			05/07/23 16:57	5
Bromodichloromethane	ND		5.0	1.0	ug/L			05/07/23 16:57	5
Bromoform	ND		20	5.0	ug/L			05/07/23 16:57	5
Bromomethane	ND		5.0	1.5	ug/L			05/07/23 16:57	5
Carbon disulfide	ND		25	1.5	ug/L			05/07/23 16:57	5
Carbon tetrachloride	ND		5.0	1.5	ug/L			05/07/23 16:57	5
Chlorobenzene	ND		5.0	1.5	ug/L			05/07/23 16:57	5
Chloroethane	ND		5.0	1.0	ug/L			05/07/23 16:57	5
Chloroform	ND		5.0	1.5	ug/L			05/07/23 16:57	5
Chloromethane	ND		10	2.8	ug/L			05/07/23 16:57	5
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/L			05/07/23 16:57	5
cis-1,3-Dichloropropene	ND		5.0	1.0	ug/L			05/07/23 16:57	5
Dibromochloromethane	ND		5.0	1.0	ug/L			05/07/23 16:57	5
Dibromomethane	ND		5.0	1.5	ug/L			05/07/23 16:57	5
Dichlorodifluoromethane	ND		5.0	1.0	ug/L			05/07/23 16:57	5
di-Isopropyl ether	**36**		5.0	1.5	ug/L			05/07/23 16:57	5
Tert-butyl ethyl ether	**130**		5.0	1.5	ug/L			05/07/23 16:57	5
Ethylbenzene	ND		5.0	2.0	ug/L			05/07/23 16:57	5
Hexachlorobutadiene	ND		25	10	ug/L			05/07/23 16:57	5
Isopropylbenzene	ND		25	1.0	ug/L			05/07/23 16:57	5

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-54C H/S-210
Date Collected: 04/24/23 12:50
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-5
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		25	10	ug/L			05/07/23 16:57	5
Methyl tertiary butyl ether	**59**		5.0	1.0	ug/L			05/07/23 16:57	5
Methylene Chloride	ND		5.0	1.5	ug/L			05/07/23 16:57	5
Naphthalene	ND		25	5.0	ug/L			05/07/23 16:57	5
n-Butylbenzene	ND		25	1.5	ug/L			05/07/23 16:57	5
n-Hexane	ND		25	10	ug/L			05/07/23 16:57	5
N-Propylbenzene	ND		25	1.5	ug/L			05/07/23 16:57	5
o-Xylene	ND		5.0	2.0	ug/L			05/07/23 16:57	5
p-Isopropyltoluene	ND		25	1.5	ug/L			05/07/23 16:57	5
sec-Butylbenzene	ND		25	1.5	ug/L			05/07/23 16:57	5
Styrene	ND		25	1.5	ug/L			05/07/23 16:57	5
Tert-amyl methyl ether	**6.3**	**J**	25	4.0	ug/L			05/07/23 16:57	5
t-Butyl alcohol	**9000**	**E**	250	60	ug/L			05/07/23 16:57	5
tert-Butylbenzene	ND		25	1.5	ug/L			05/07/23 16:57	5
Tetrachloroethene	ND		5.0	1.5	ug/L			05/07/23 16:57	5
Toluene	ND		5.0	1.0	ug/L			05/07/23 16:57	5
trans-1,2-Dichloroethene	ND		10	3.5	ug/L			05/07/23 16:57	5
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/L			05/07/23 16:57	5
Trichloroethene	ND		5.0	1.5	ug/L			05/07/23 16:57	5
Trichlorofluoromethane	ND		5.0	1.0	ug/L			05/07/23 16:57	5
Vinyl chloride	ND		5.0	1.0	ug/L			05/07/23 16:57	5
Xylenes, Total	ND		5.0	2.0	ug/L			05/07/23 16:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/07/23 16:57*	*5*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*05/07/23 16:57*	*5*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*05/07/23 16:57*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/07/23 16:57*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Butyl alcohol	**8600**		2500	600	ug/L			05/07/23 17:55	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/07/23 17:55*	*50*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*05/07/23 17:55*	*50*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*05/07/23 17:55*	*50*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/07/23 17:55*	*50*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-54C H/S-298
Date Collected: 04/24/23 13:00
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-6
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 19:32	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 19:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 19:32	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 19:32	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 19:32	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 19:32	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			05/07/23 19:32	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			05/07/23 19:32	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			05/07/23 19:32	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 19:32	1
1,2,4-Trimethylbenzene	**1.3**	**J**	5.0	1.0	ug/L			05/07/23 19:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/07/23 19:32	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/07/23 19:32	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/07/23 19:32	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 19:32	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 19:32	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/07/23 19:32	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/07/23 19:32	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 19:32	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 19:32	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 19:32	1
2-Butanone	ND		10	0.50	ug/L			05/07/23 19:32	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 19:32	1
2-Hexanone	ND		10	0.85	ug/L			05/07/23 19:32	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 19:32	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/07/23 19:32	1
Acetone	**1.2**	**J**	20	0.70	ug/L			05/07/23 19:32	1
Benzene	**31**		1.0	0.30	ug/L			05/07/23 19:32	1
Bromobenzene	ND		5.0	0.30	ug/L			05/07/23 19:32	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/07/23 19:32	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/07/23 19:32	1
Bromoform	ND		4.0	1.0	ug/L			05/07/23 19:32	1
Bromomethane	ND		1.0	0.30	ug/L			05/07/23 19:32	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/07/23 19:32	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/07/23 19:32	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/07/23 19:32	1
Chloroethane	ND		1.0	0.20	ug/L			05/07/23 19:32	1
Chloroform	ND		1.0	0.30	ug/L			05/07/23 19:32	1
Chloromethane	ND		2.0	0.55	ug/L			05/07/23 19:32	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 19:32	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 19:32	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/07/23 19:32	1
Dibromomethane	ND		1.0	0.30	ug/L			05/07/23 19:32	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/07/23 19:32	1
di-Isopropyl ether	**26**		1.0	0.30	ug/L			05/07/23 19:32	1
Tert-butyl ethyl ether	**100**		1.0	0.30	ug/L			05/07/23 19:32	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/07/23 19:32	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			05/07/23 19:32	1
Isopropylbenzene	**0.21**	**J**	5.0	0.20	ug/L			05/07/23 19:32	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-54C H/S-298
Date Collected: 04/24/23 13:00
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-6
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			05/07/23 19:32	1
Methyl tertiary butyl ether	**66**		1.0	0.20	ug/L			05/07/23 19:32	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/07/23 19:32	1
Naphthalene	ND		5.0	1.0	ug/L			05/07/23 19:32	1
n-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 19:32	1
n-Hexane	ND		5.0	2.0	ug/L			05/07/23 19:32	1
N-Propylbenzene	**0.36**	**J**	5.0	0.30	ug/L			05/07/23 19:32	1
o-Xylene	ND		1.0	0.40	ug/L			05/07/23 19:32	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			05/07/23 19:32	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 19:32	1
Styrene	ND		5.0	0.30	ug/L			05/07/23 19:32	1
Tert-amyl methyl ether	**6.5**		5.0	0.80	ug/L			05/07/23 19:32	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 19:32	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/07/23 19:32	1
Toluene	ND		1.0	0.20	ug/L			05/07/23 19:32	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/07/23 19:32	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 19:32	1
Trichloroethene	ND		1.0	0.30	ug/L			05/07/23 19:32	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/07/23 19:32	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/07/23 19:32	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/07/23 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/07/23 19:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*05/07/23 19:32*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*05/07/23 19:32*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/07/23 19:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Butyl alcohol	**8600**		500	120	ug/L			05/07/23 19:51	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/07/23 19:51*	*10*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*05/07/23 19:51*	*10*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*05/07/23 19:51*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/07/23 19:51*	*10*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-38C
Date Collected: 04/24/23 14:10
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-7
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 13:04	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 13:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 13:04	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 13:04	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 13:04	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 13:04	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			05/07/23 13:04	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			05/07/23 13:04	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			05/07/23 13:04	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 13:04	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/07/23 13:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/07/23 13:04	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/07/23 13:04	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/07/23 13:04	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 13:04	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 13:04	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/07/23 13:04	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/07/23 13:04	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 13:04	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 13:04	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 13:04	1
2-Butanone	ND		10	0.50	ug/L			05/07/23 13:04	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 13:04	1
2-Hexanone	ND		10	0.85	ug/L			05/07/23 13:04	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 13:04	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/07/23 13:04	1
Acetone	**1.4**	**J**	20	0.70	ug/L			05/07/23 13:04	1
Benzene	ND		1.0	0.30	ug/L			05/07/23 13:04	1
Bromobenzene	ND		5.0	0.30	ug/L			05/07/23 13:04	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/07/23 13:04	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/07/23 13:04	1
Bromoform	ND		4.0	1.0	ug/L			05/07/23 13:04	1
Bromomethane	ND		1.0	0.30	ug/L			05/07/23 13:04	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/07/23 13:04	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/07/23 13:04	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/07/23 13:04	1
Chloroethane	ND		1.0	0.20	ug/L			05/07/23 13:04	1
Chloroform	ND		1.0	0.30	ug/L			05/07/23 13:04	1
Chloromethane	ND		2.0	0.55	ug/L			05/07/23 13:04	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 13:04	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 13:04	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/07/23 13:04	1
Dibromomethane	ND		1.0	0.30	ug/L			05/07/23 13:04	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/07/23 13:04	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			05/07/23 13:04	1
Tert-butyl ethyl ether	**0.35**	**J**	1.0	0.30	ug/L			05/07/23 13:04	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/07/23 13:04	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			05/07/23 13:04	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/07/23 13:04	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-38C
Date Collected: 04/24/23 14:10
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-7
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			05/07/23 13:04	1
Methyl tertiary butyl ether	**16**		1.0	0.20	ug/L			05/07/23 13:04	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/07/23 13:04	1
Naphthalene	ND		5.0	1.0	ug/L			05/07/23 13:04	1
n-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 13:04	1
n-Hexane	ND		5.0	2.0	ug/L			05/07/23 13:04	1
N-Propylbenzene	ND		5.0	0.30	ug/L			05/07/23 13:04	1
o-Xylene	ND		1.0	0.40	ug/L			05/07/23 13:04	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			05/07/23 13:04	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 13:04	1
Styrene	ND		5.0	0.30	ug/L			05/07/23 13:04	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			05/07/23 13:04	1
t-Butyl alcohol	ND		50	12	ug/L			05/07/23 13:04	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 13:04	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/07/23 13:04	1
Toluene	ND		1.0	0.20	ug/L			05/07/23 13:04	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/07/23 13:04	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 13:04	1
Trichloroethene	ND		1.0	0.30	ug/L			05/07/23 13:04	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/07/23 13:04	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/07/23 13:04	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/07/23 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/07/23 13:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*05/07/23 13:04*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*05/07/23 13:04*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/07/23 13:04*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-178C
Date Collected: 04/24/23 14:30
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-8
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 13:24	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 13:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 13:24	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 13:24	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 13:24	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 13:24	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			05/07/23 13:24	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			05/07/23 13:24	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			05/07/23 13:24	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 13:24	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/07/23 13:24	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/07/23 13:24	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/07/23 13:24	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/07/23 13:24	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 13:24	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 13:24	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/07/23 13:24	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/07/23 13:24	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 13:24	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 13:24	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 13:24	1
2-Butanone	ND		10	0.50	ug/L			05/07/23 13:24	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 13:24	1
2-Hexanone	ND		10	0.85	ug/L			05/07/23 13:24	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 13:24	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/07/23 13:24	1
Acetone	**1.8**	**J**	20	0.70	ug/L			05/07/23 13:24	1
Benzene	ND		1.0	0.30	ug/L			05/07/23 13:24	1
Bromobenzene	ND		5.0	0.30	ug/L			05/07/23 13:24	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/07/23 13:24	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/07/23 13:24	1
Bromoform	ND		4.0	1.0	ug/L			05/07/23 13:24	1
Bromomethane	ND		1.0	0.30	ug/L			05/07/23 13:24	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/07/23 13:24	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/07/23 13:24	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/07/23 13:24	1
Chloroethane	ND		1.0	0.20	ug/L			05/07/23 13:24	1
Chloroform	ND		1.0	0.30	ug/L			05/07/23 13:24	1
Chloromethane	ND		2.0	0.55	ug/L			05/07/23 13:24	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 13:24	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 13:24	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/07/23 13:24	1
Dibromomethane	ND		1.0	0.30	ug/L			05/07/23 13:24	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/07/23 13:24	1
di-Isopropyl ether	**0.97**	**J**	1.0	0.30	ug/L			05/07/23 13:24	1
Tert-butyl ethyl ether	**2.6**		1.0	0.30	ug/L			05/07/23 13:24	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/07/23 13:24	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			05/07/23 13:24	1
Isopropylbenzene	ND		5.0	0.20	ug/L			05/07/23 13:24	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-178C
Date Collected: 04/24/23 14:30
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-8
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			05/07/23 13:24	1
Methyl tertiary butyl ether	**54**		1.0	0.20	ug/L			05/07/23 13:24	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/07/23 13:24	1
Naphthalene	ND		5.0	1.0	ug/L			05/07/23 13:24	1
n-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 13:24	1
n-Hexane	ND		5.0	2.0	ug/L			05/07/23 13:24	1
N-Propylbenzene	ND		5.0	0.30	ug/L			05/07/23 13:24	1
o-Xylene	ND		1.0	0.40	ug/L			05/07/23 13:24	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			05/07/23 13:24	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 13:24	1
Styrene	ND		5.0	0.30	ug/L			05/07/23 13:24	1
Tert-amyl methyl ether	**3.6**	**J**	5.0	0.80	ug/L			05/07/23 13:24	1
t-Butyl alcohol	**86**		50	12	ug/L			05/07/23 13:24	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 13:24	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/07/23 13:24	1
Toluene	ND		1.0	0.20	ug/L			05/07/23 13:24	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/07/23 13:24	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 13:24	1
Trichloroethene	ND		1.0	0.30	ug/L			05/07/23 13:24	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/07/23 13:24	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/07/23 13:24	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/07/23 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*05/07/23 13:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*		*05/07/23 13:24*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*05/07/23 13:24*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/07/23 13:24*	*1*

Surrogate Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

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

Matrix: Groundwater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DCA	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-124137-1	MW-187A	97	96	94	99
410-124137-2	MW-187B	95	95	94	100
410-124137-3	MW-187C	95	96	95	99
410-124137-3 - DL	MW-187C	96	98	94	99
410-124137-4	MW-54B	96	96	96	101
410-124137-5	MW-54C H/S-210	96	96	96	100
410-124137-5 - DL	MW-54C H/S-210	96	97	96	101
410-124137-5 MS	MW-54C H/S-210	98	96	97	99
410-124137-5 MSD	MW-54C H/S-210	100	97	96	100
410-124137-6	MW-54C H/S-298	95	95	95	99
410-124137-6 - DL	MW-54C H/S-298	94	96	94	99
410-124137-7	MW-38C	96	96	95	99
410-124137-8	MW-178C	96	96	94	99

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DCA	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
LCS 410-372997/4	Lab Control Sample	101	96	99	101
LCSD 410-372997/5	Lab Control Sample Dup	100	98	97	101
MB 410-372997/7	Method Blank	97	95	95	100

Surrogate Legend

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

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

Lab Sample ID: MB 410-372997/7
Matrix: Water
Analysis Batch: 372997

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 11:47	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 11:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/07/23 11:47	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/07/23 11:47	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 11:47	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 11:47	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			05/07/23 11:47	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			05/07/23 11:47	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			05/07/23 11:47	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 11:47	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			05/07/23 11:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/07/23 11:47	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/07/23 11:47	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/07/23 11:47	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/07/23 11:47	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 11:47	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			05/07/23 11:47	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/07/23 11:47	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 11:47	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/07/23 11:47	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			05/07/23 11:47	1
2-Butanone	ND		10	0.50	ug/L			05/07/23 11:47	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 11:47	1
2-Hexanone	ND		10	0.85	ug/L			05/07/23 11:47	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			05/07/23 11:47	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/07/23 11:47	1
Acetone	ND		20	0.70	ug/L			05/07/23 11:47	1
Benzene	ND		1.0	0.30	ug/L			05/07/23 11:47	1
Bromobenzene	ND		5.0	0.30	ug/L			05/07/23 11:47	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/07/23 11:47	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/07/23 11:47	1
Bromoform	ND		4.0	1.0	ug/L			05/07/23 11:47	1
Bromomethane	ND		1.0	0.30	ug/L			05/07/23 11:47	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/07/23 11:47	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/07/23 11:47	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/07/23 11:47	1
Chloroethane	ND		1.0	0.20	ug/L			05/07/23 11:47	1
Chloroform	ND		1.0	0.30	ug/L			05/07/23 11:47	1
Chloromethane	ND		2.0	0.55	ug/L			05/07/23 11:47	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/07/23 11:47	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 11:47	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/07/23 11:47	1
Dibromomethane	ND		1.0	0.30	ug/L			05/07/23 11:47	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/07/23 11:47	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			05/07/23 11:47	1
Tert-butyl ethyl ether	ND		1.0	0.30	ug/L			05/07/23 11:47	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/07/23 11:47	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			05/07/23 11:47	1

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

Lab Sample ID: MB 410-372997/7
Matrix: Water
Analysis Batch: 372997

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.0	0.20	ug/L			05/07/23 11:47	1
m&p-Xylene	ND		5.0	2.0	ug/L			05/07/23 11:47	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/07/23 11:47	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/07/23 11:47	1
Naphthalene	ND		5.0	1.0	ug/L			05/07/23 11:47	1
n-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 11:47	1
n-Hexane	ND		5.0	2.0	ug/L			05/07/23 11:47	1
N-Propylbenzene	ND		5.0	0.30	ug/L			05/07/23 11:47	1
o-Xylene	ND		1.0	0.40	ug/L			05/07/23 11:47	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			05/07/23 11:47	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 11:47	1
Styrene	ND		5.0	0.30	ug/L			05/07/23 11:47	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			05/07/23 11:47	1
t-Butyl alcohol	ND		50	12	ug/L			05/07/23 11:47	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			05/07/23 11:47	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/07/23 11:47	1
Toluene	ND		1.0	0.20	ug/L			05/07/23 11:47	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/07/23 11:47	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/07/23 11:47	1
Trichloroethene	ND		1.0	0.30	ug/L			05/07/23 11:47	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/07/23 11:47	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/07/23 11:47	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/07/23 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/07/23 11:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*05/07/23 11:47*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*05/07/23 11:47*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/07/23 11:47*	*1*

Lab Sample ID: LCS 410-372997/4
Matrix: Water
Analysis Batch: 372997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	21.0		ug/L		105	78 - 120
1,1,1-Trichloroethane	20.0	20.6		ug/L		103	67 - 126
1,1,2,2-Tetrachloroethane	20.0	22.0		ug/L		110	72 - 120
1,1,2-Trichloroethane	20.0	21.1		ug/L		105	80 - 120
1,1-Dichloroethane	20.0	21.6		ug/L		108	80 - 120
1,1-Dichloroethene	20.0	20.9		ug/L		105	80 - 131
1,1-Dichloropropene	20.0	21.8		ug/L		109	78 - 120
1,2,3-Trichlorobenzene	20.0	21.0		ug/L		105	66 - 120
1,2,3-Trichloropropane	20.0	21.0		ug/L		105	75 - 124
1,2,4-Trichlorobenzene	20.0	20.7		ug/L		104	63 - 120
1,2,4-Trimethylbenzene	20.0	20.9		ug/L		104	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	19.0		ug/L		95	47 - 131
1,2-Dibromoethane	20.0	21.6		ug/L		108	77 - 120

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

Lab Sample ID: LCS 410-372997/4
Matrix: Water
Analysis Batch: 372997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120
1,2-Dichloroethane	20.0	19.5		ug/L		97	73 - 124
1,2-Dichloropropane	20.0	21.7		ug/L		108	80 - 120
1,3,5-Trimethylbenzene	20.0	21.1		ug/L		106	75 - 120
1,3-Dichlorobenzene	20.0	19.9		ug/L		99	80 - 120
1,3-Dichloropropane	20.0	21.7		ug/L		109	80 - 120
1,4-Dichlorobenzene	20.0	20.9		ug/L		104	80 - 120
2,2-Dichloropropane	20.0	22.1		ug/L		111	55 - 142
2-Butanone	250	287		ug/L		115	59 - 135
2-Chlorotoluene	20.0	21.1		ug/L		105	80 - 120
2-Hexanone	250	294		ug/L		117	56 - 135
4-Chlorotoluene	20.0	21.5		ug/L		108	80 - 120
4-Methyl-2-pentanone	250	293		ug/L		117	62 - 133
Acetone	250	263		ug/L		105	54 - 157
Benzene	20.0	22.5		ug/L		113	80 - 120
Bromobenzene	20.0	21.1		ug/L		106	80 - 120
Bromochloromethane	20.0	21.4		ug/L		107	80 - 120
Bromodichloromethane	20.0	19.5		ug/L		98	71 - 120
Bromoform	20.0	18.3		ug/L		92	51 - 120
Bromomethane	20.0	20.8		ug/L		104	53 - 128
Carbon disulfide	20.0	21.5		ug/L		107	65 - 128
Carbon tetrachloride	20.0	19.4		ug/L		97	64 - 134
Chlorobenzene	20.0	21.0		ug/L		105	80 - 120
Chloroethane	20.0	21.5		ug/L		107	55 - 123
Chloroform	20.0	20.6		ug/L		103	80 - 120
Chloromethane	20.0	22.9		ug/L		114	56 - 121
cis-1,2-Dichloroethene	20.0	21.7		ug/L		109	80 - 125
cis-1,3-Dichloropropene	20.0	20.4		ug/L		102	75 - 120
Dibromochloromethane	20.0	19.8		ug/L		99	71 - 120
Dibromomethane	20.0	21.5		ug/L		107	80 - 120
Dichlorodifluoromethane	20.0	13.8		ug/L		69	41 - 127
di-Isopropyl ether	20.0	22.0		ug/L		110	70 - 124
Tert-butyl ethyl ether	20.0	21.1		ug/L		106	68 - 121
Ethylbenzene	20.0	21.2		ug/L		106	80 - 120
Hexachlorobutadiene	20.0	20.9		ug/L		105	63 - 120
Isopropylbenzene	20.0	21.7		ug/L		109	80 - 120
m&p-Xylene	40.0	42.5		ug/L		106	80 - 120
Methyl tertiary butyl ether	20.0	21.2		ug/L		106	69 - 122
Methylene Chloride	20.0	21.8		ug/L		109	80 - 120
Naphthalene	20.0	21.4		ug/L		107	53 - 124
n-Butylbenzene	20.0	19.9		ug/L		100	76 - 120
n-Hexane	20.0	20.3		ug/L		101	61 - 138
N-Propylbenzene	20.0	22.4		ug/L		112	79 - 121
o-Xylene	20.0	21.6		ug/L		108	80 - 120
p-Isopropyltoluene	20.0	20.9		ug/L		105	76 - 120
sec-Butylbenzene	20.0	21.6		ug/L		108	77 - 120
Styrene	20.0	20.9		ug/L		105	80 - 120
Tert-amyl methyl ether	20.0	21.0		ug/L		105	66 - 120
t-Butyl alcohol	200	228		ug/L		114	60 - 130

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

Lab Sample ID: LCS 410-372997/4
Matrix: Water
Analysis Batch: 372997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
tert-Butylbenzene	20.0	20.8		ug/L		104	78 - 120
Tetrachloroethene	20.0	20.4		ug/L		102	80 - 120
Toluene	20.0	21.4		ug/L		107	80 - 120
trans-1,2-Dichloroethene	20.0	21.0		ug/L		105	80 - 126
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	67 - 120
Trichloroethene	20.0	20.6		ug/L		103	80 - 120
Trichlorofluoromethane	20.0	17.3		ug/L		86	55 - 135
Vinyl chloride	20.0	19.5		ug/L		97	56 - 120
Xylenes, Total	60.0	64.1		ug/L		107	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 410-372997/5
Matrix: Water
Analysis Batch: 372997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	20.0	20.0		ug/L		100	78 - 120	5	30
1,1,1-Trichloroethane	20.0	19.3		ug/L		97	67 - 126	6	30
1,1,2,2-Tetrachloroethane	20.0	21.6		ug/L		108	72 - 120	2	30
1,1,2-Trichloroethane	20.0	20.8		ug/L		104	80 - 120	1	30
1,1-Dichloroethane	20.0	20.6		ug/L		103	80 - 120	5	30
1,1-Dichloroethene	20.0	20.3		ug/L		102	80 - 131	3	30
1,1-Dichloropropene	20.0	20.9		ug/L		104	78 - 120	5	30
1,2,3-Trichlorobenzene	20.0	20.3		ug/L		102	66 - 120	3	30
1,2,3-Trichloropropane	20.0	21.4		ug/L		107	75 - 124	2	30
1,2,4-Trichlorobenzene	20.0	19.7		ug/L		99	63 - 120	5	30
1,2,4-Trimethylbenzene	20.0	20.2		ug/L		101	75 - 120	3	30
1,2-Dibromo-3-Chloropropane	20.0	18.7		ug/L		94	47 - 131	1	30
1,2-Dibromoethane	20.0	20.0		ug/L		100	77 - 120	8	30
1,2-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120	3	30
1,2-Dichloroethane	20.0	19.2		ug/L		96	73 - 124	1	30
1,2-Dichloropropane	20.0	20.9		ug/L		104	80 - 120	4	30
1,3,5-Trimethylbenzene	20.0	20.3		ug/L		102	75 - 120	4	30
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120	2	30
1,3-Dichloropropane	20.0	20.9		ug/L		105	80 - 120	4	30
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120	3	30
2,2-Dichloropropane	20.0	20.9		ug/L		104	55 - 142	6	30
2-Butanone	250	284		ug/L		114	59 - 135	1	30
2-Chlorotoluene	20.0	21.0		ug/L		105	80 - 120	0	30
2-Hexanone	250	290		ug/L		116	56 - 135	1	30
4-Chlorotoluene	20.0	19.9		ug/L		99	80 - 120	8	30
4-Methyl-2-pentanone	250	286		ug/L		114	62 - 133	3	30
Acetone	250	255		ug/L		102	54 - 157	3	30

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

Lab Sample ID: LCSD 410-372997/5
Matrix: Water
Analysis Batch: 372997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			20.0	21.5		ug/L		108	80 - 120	5	30
Bromobenzene			20.0	20.2		ug/L		101	80 - 120	4	30
Bromochloromethane			20.0	20.7		ug/L		104	80 - 120	3	30
Bromodichloromethane			20.0	19.2		ug/L		96	71 - 120	2	30
Bromoform			20.0	17.6		ug/L		88	51 - 120	4	30
Bromomethane			20.0	20.2		ug/L		101	53 - 128	3	30
Carbon disulfide			20.0	20.6		ug/L		103	65 - 128	4	30
Carbon tetrachloride			20.0	18.5		ug/L		93	64 - 134	5	30
Chlorobenzene			20.0	20.1		ug/L		100	80 - 120	5	30
Chloroethane			20.0	20.8		ug/L		104	55 - 123	3	30
Chloroform			20.0	19.7		ug/L		98	80 - 120	5	30
Chloromethane			20.0	21.9		ug/L		110	56 - 121	4	30
cis-1,2-Dichloroethene			20.0	21.3		ug/L		107	80 - 125	2	30
cis-1,3-Dichloropropene			20.0	19.4		ug/L		97	75 - 120	5	30
Dibromochloromethane			20.0	19.5		ug/L		98	71 - 120	1	30
Dibromomethane			20.0	20.9		ug/L		105	80 - 120	3	30
Dichlorodifluoromethane			20.0	13.2		ug/L		66	41 - 127	4	30
di-Isopropyl ether			20.0	21.4		ug/L		107	70 - 124	3	30
Tert-butyl ethyl ether			20.0	20.6		ug/L		103	68 - 121	3	30
Ethylbenzene			20.0	20.7		ug/L		103	80 - 120	3	30
Hexachlorobutadiene			20.0	19.7		ug/L		99	63 - 120	6	30
Isopropylbenzene			20.0	20.5		ug/L		102	80 - 120	6	30
m&p-Xylene			40.0	40.1		ug/L		100	80 - 120	6	30
Methyl tertiary butyl ether			20.0	20.5		ug/L		103	69 - 122	3	30
Methylene Chloride			20.0	21.0		ug/L		105	80 - 120	3	30
Naphthalene			20.0	20.6		ug/L		103	53 - 124	4	30
n-Butylbenzene			20.0	19.0		ug/L		95	76 - 120	5	30
n-Hexane			20.0	19.4		ug/L		97	61 - 138	5	30
N-Propylbenzene			20.0	21.4		ug/L		107	79 - 121	5	30
o-Xylene			20.0	20.6		ug/L		103	80 - 120	5	30
p-Isopropyltoluene			20.0	20.2		ug/L		101	76 - 120	3	30
sec-Butylbenzene			20.0	20.5		ug/L		102	77 - 120	5	30
Styrene			20.0	20.1		ug/L		101	80 - 120	4	30
Tert-amyl methyl ether			20.0	20.2		ug/L		101	66 - 120	4	30
t-Butyl alcohol			200	216		ug/L		108	60 - 130	5	30
tert-Butylbenzene			20.0	19.5		ug/L		98	78 - 120	6	30
Tetrachloroethene			20.0	19.9		ug/L		100	80 - 120	3	30
Toluene			20.0	20.9		ug/L		104	80 - 120	3	30
trans-1,2-Dichloroethene			20.0	20.4		ug/L		102	80 - 126	3	30
trans-1,3-Dichloropropene			20.0	19.0		ug/L		95	67 - 120	4	30
Trichloroethene			20.0	19.6		ug/L		98	80 - 120	5	30
Trichlorofluoromethane			20.0	16.2		ug/L		81	55 - 135	6	30
Vinyl chloride			20.0	18.3		ug/L		92	56 - 120	6	30
Xylenes, Total			60.0	60.7		ug/L		101	80 - 120	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: LCSD 410-372997/5
Matrix: Water
Analysis Batch: 372997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 410-124137-5 MS
Matrix: Groundwater
Analysis Batch: 372997

Client Sample ID: MW-54C H/S-210
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	ND		100	101		ug/L		101	78 - 120
1,1,1-Trichloroethane	ND		100	99.8		ug/L		100	67 - 126
1,1,2,2-Tetrachloroethane	ND		100	111		ug/L		111	72 - 120
1,1,2-Trichloroethane	ND		100	107		ug/L		107	80 - 120
1,1-Dichloroethane	ND		100	107		ug/L		107	80 - 120
1,1-Dichloroethene	ND		100	106		ug/L		106	80 - 131
1,1-Dichloropropene	ND		100	112		ug/L		112	78 - 120
1,2,3-Trichlorobenzene	ND		100	102		ug/L		102	66 - 120
1,2,3-Trichloropropane	ND		100	109		ug/L		109	75 - 124
1,2,4-Trichlorobenzene	ND		100	101		ug/L		101	63 - 120
1,2,4-Trimethylbenzene	ND		100	106		ug/L		106	75 - 120
1,2-Dibromo-3-Chloropropane	ND		100	98.1		ug/L		98	47 - 131
1,2-Dibromoethane	ND		100	105		ug/L		105	77 - 120
1,2-Dichlorobenzene	ND		100	99.0		ug/L		99	80 - 120
1,2-Dichloroethane	ND		100	101		ug/L		101	73 - 124
1,2-Dichloropropane	ND		100	109		ug/L		109	80 - 120
1,3,5-Trimethylbenzene	ND		100	106		ug/L		106	75 - 120
1,3-Dichlorobenzene	ND		100	101		ug/L		101	80 - 120
1,3-Dichloropropane	ND		100	108		ug/L		108	80 - 120
1,4-Dichlorobenzene	ND		100	106		ug/L		106	80 - 120
2,2-Dichloropropane	ND		100	105		ug/L		105	55 - 142
2-Butanone	ND		1250	1440		ug/L		115	59 - 135
2-Chlorotoluene	ND		100	103		ug/L		103	80 - 120
2-Hexanone	ND		1250	1470		ug/L		118	56 - 135
4-Chlorotoluene	ND		100	106		ug/L		106	80 - 120
4-Methyl-2-pentanone	ND		1250	1470		ug/L		118	62 - 133
Acetone	ND		1250	1340		ug/L		107	54 - 157
Benzene	26		100	139		ug/L		113	80 - 120
Bromobenzene	ND		100	105		ug/L		105	80 - 120
Bromochloromethane	ND		100	106		ug/L		106	80 - 120
Bromodichloromethane	ND		100	98.6		ug/L		99	71 - 120
Bromoform	ND		100	87.6		ug/L		88	51 - 120
Bromomethane	ND		100	103		ug/L		103	53 - 128
Carbon disulfide	ND		100	107		ug/L		107	65 - 128
Carbon tetrachloride	ND		100	97.9		ug/L		98	64 - 134
Chlorobenzene	ND		100	105		ug/L		105	80 - 120
Chloroethane	ND		100	109		ug/L		109	55 - 123
Chloroform	ND		100	104		ug/L		104	80 - 120
Chloromethane	ND		100	110		ug/L		110	56 - 121
cis-1,2-Dichloroethene	ND		100	108		ug/L		108	80 - 125

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

Lab Sample ID: 410-124137-5 MS
Matrix: Groundwater
Analysis Batch: 372997

Client Sample ID: MW-54C H/S-210
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	ND		100	95.8		ug/L		96	75 - 120
Dibromochloromethane	ND		100	97.3		ug/L		97	71 - 120
Dibromomethane	ND		100	109		ug/L		109	80 - 120
Dichlorodifluoromethane	ND		100	75.5		ug/L		75	41 - 127
di-Isopropyl ether	36		100	143		ug/L		107	70 - 124
Tert-butyl ethyl ether	130		100	237		ug/L		103	68 - 121
Ethylbenzene	ND		100	105		ug/L		105	80 - 120
Hexachlorobutadiene	ND		100	104		ug/L		104	63 - 120
Isopropylbenzene	ND		100	108		ug/L		108	80 - 120
m&p-Xylene	ND		200	215		ug/L		107	80 - 120
Methyl tertiary butyl ether	59		100	162		ug/L		104	69 - 122
Methylene Chloride	ND		100	106		ug/L		106	80 - 120
Naphthalene	ND		100	106		ug/L		106	53 - 124
n-Butylbenzene	ND		100	98.8		ug/L		99	76 - 120
n-Hexane	ND		100	111		ug/L		111	61 - 138
N-Propylbenzene	ND		100	112		ug/L		112	79 - 121
o-Xylene	ND		100	106		ug/L		106	80 - 120
p-Isopropyltoluene	ND		100	105		ug/L		105	76 - 120
sec-Butylbenzene	ND		100	107		ug/L		107	77 - 120
Styrene	ND		100	104		ug/L		104	80 - 120
Tert-amyl methyl ether	6.3	J	100	110		ug/L		103	66 - 120
t-Butyl alcohol	9000	E	1000	10200	E 4	ug/L		122	60 - 130
tert-Butylbenzene	ND		100	106		ug/L		106	78 - 120
Tetrachloroethene	ND		100	102		ug/L		102	80 - 120
Toluene	ND		100	106		ug/L		106	80 - 120
trans-1,2-Dichloroethene	ND		100	104		ug/L		104	80 - 126
trans-1,3-Dichloropropene	ND		100	95.4		ug/L		95	67 - 120
Trichloroethene	ND		100	103		ug/L		103	80 - 120
Trichlorofluoromethane	ND		100	86.9		ug/L		87	55 - 135
Vinyl chloride	ND		100	98.0		ug/L		98	56 - 120
Xylenes, Total	ND		300	321		ug/L		107	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 410-124137-5 MSD
Matrix: Groundwater
Analysis Batch: 372997

Client Sample ID: MW-54C H/S-210
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		100	98.4		ug/L		98	78 - 120	2	30
1,1,1-Trichloroethane	ND		100	95.6		ug/L		96	67 - 126	4	30
1,1,2,2-Tetrachloroethane	ND		100	108		ug/L		108	72 - 120	3	30
1,1,2-Trichloroethane	ND		100	103		ug/L		103	80 - 120	4	30
1,1-Dichloroethane	ND		100	103		ug/L		103	80 - 120	4	30

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

Lab Sample ID: 410-124137-5 MSD
Matrix: Groundwater
Analysis Batch: 372997

Client Sample ID: MW-54C H/S-210
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-Dichloroethene	ND		100	105		ug/L		105	80 - 131	1	30
1,1-Dichloropropene	ND		100	104		ug/L		104	78 - 120	8	30
1,2,3-Trichlorobenzene	ND		100	99.1		ug/L		99	66 - 120	3	30
1,2,3-Trichloropropane	ND		100	106		ug/L		106	75 - 124	3	30
1,2,4-Trichlorobenzene	ND		100	97.5		ug/L		97	63 - 120	4	30
1,2,4-Trimethylbenzene	ND		100	104		ug/L		104	75 - 120	2	30
1,2-Dibromo-3-Chloropropane	ND		100	88.0		ug/L		88	47 - 131	11	30
1,2-Dibromoethane	ND		100	102		ug/L		102	77 - 120	3	30
1,2-Dichlorobenzene	ND		100	96.0		ug/L		96	80 - 120	3	30
1,2-Dichloroethane	ND		100	93.3		ug/L		93	73 - 124	8	30
1,2-Dichloropropane	ND		100	103		ug/L		103	80 - 120	5	30
1,3,5-Trimethylbenzene	ND		100	101		ug/L		101	75 - 120	4	30
1,3-Dichlorobenzene	ND		100	98.1		ug/L		98	80 - 120	3	30
1,3-Dichloropropane	ND		100	103		ug/L		103	80 - 120	4	30
1,4-Dichlorobenzene	ND		100	103		ug/L		103	80 - 120	2	30
2,2-Dichloropropane	ND		100	102		ug/L		102	55 - 142	4	30
2-Butanone	ND		1250	1370		ug/L		110	59 - 135	4	30
2-Chlorotoluene	ND		100	103		ug/L		103	80 - 120	1	30
2-Hexanone	ND		1250	1420		ug/L		114	56 - 135	3	30
4-Chlorotoluene	ND		100	102		ug/L		102	80 - 120	4	30
4-Methyl-2-pentanone	ND		1250	1400		ug/L		112	62 - 133	5	30
Acetone	ND		1250	1320		ug/L		106	54 - 157	1	30
Benzene	26		100	132		ug/L		106	80 - 120	5	30
Bromobenzene	ND		100	99.9		ug/L		100	80 - 120	5	30
Bromochloromethane	ND		100	102		ug/L		102	80 - 120	5	30
Bromodichloromethane	ND		100	93.3		ug/L		93	71 - 120	5	30
Bromoform	ND		100	83.1		ug/L		83	51 - 120	5	30
Bromomethane	ND		100	96.5		ug/L		96	53 - 128	7	30
Carbon disulfide	ND		100	105		ug/L		105	65 - 128	2	30
Carbon tetrachloride	ND		100	93.8		ug/L		94	64 - 134	4	30
Chlorobenzene	ND		100	99.9		ug/L		100	80 - 120	5	30
Chloroethane	ND		100	106		ug/L		106	55 - 123	3	30
Chloroform	ND		100	97.5		ug/L		97	80 - 120	6	30
Chloromethane	ND		100	101		ug/L		101	56 - 121	9	30
cis-1,2-Dichloroethene	ND		100	106		ug/L		106	80 - 125	2	30
cis-1,3-Dichloropropene	ND		100	91.8		ug/L		92	75 - 120	4	30
Dibromochloromethane	ND		100	92.5		ug/L		93	71 - 120	5	30
Dibromomethane	ND		100	102		ug/L		102	80 - 120	6	30
Dichlorodifluoromethane	ND		100	71.4		ug/L		71	41 - 127	5	30
di-Isopropyl ether	36		100	138		ug/L		102	70 - 124	3	30
Tert-butyl ethyl ether	130		100	229		ug/L		95	68 - 121	4	30
Ethylbenzene	ND		100	103		ug/L		103	80 - 120	2	30
Hexachlorobutadiene	ND		100	100		ug/L		100	63 - 120	4	30
Isopropylbenzene	ND		100	103		ug/L		103	80 - 120	5	30
m&p-Xylene	ND		200	205		ug/L		102	80 - 120	5	30
Methyl tertiary butyl ether	59		100	157		ug/L		98	69 - 122	4	30
Methylene Chloride	ND		100	102		ug/L		102	80 - 120	4	30
Naphthalene	ND		100	101		ug/L		101	53 - 124	5	30
n-Butylbenzene	ND		100	97.3		ug/L		97	76 - 120	2	30

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

Lab Sample ID: 410-124137-5 MSD
Matrix: Groundwater
Analysis Batch: 372997

Client Sample ID: MW-54C H/S-210
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
n-Hexane	ND		100	104		ug/L		104	61 - 138	6	30
N-Propylbenzene	ND		100	109		ug/L		109	79 - 121	2	30
o-Xylene	ND		100	103		ug/L		103	80 - 120	3	30
p-Isopropyltoluene	ND		100	102		ug/L		102	76 - 120	4	30
sec-Butylbenzene	ND		100	105		ug/L		105	77 - 120	2	30
Styrene	ND		100	102		ug/L		102	80 - 120	2	30
Tert-amyl methyl ether	6.3	J	100	104		ug/L		97	66 - 120	6	30
t-Butyl alcohol	9000	E	1000	9690	E 4	ug/L		73	60 - 130	5	30
tert-Butylbenzene	ND		100	99.6		ug/L		100	78 - 120	6	30
Tetrachloroethene	ND		100	98.6		ug/L		99	80 - 120	3	30
Toluene	ND		100	103		ug/L		103	80 - 120	3	30
trans-1,2-Dichloroethene	ND		100	101		ug/L		101	80 - 126	3	30
trans-1,3-Dichloropropene	ND		100	92.0		ug/L		92	67 - 120	4	30
Trichloroethene	ND		100	97.3		ug/L		97	80 - 120	6	30
Trichlorofluoromethane	ND		100	84.9		ug/L		85	55 - 135	2	30
Vinyl chloride	ND		100	94.1		ug/L		94	56 - 120	4	30
Xylenes, Total	ND		300	308		ug/L		103	80 - 120	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

QC Association Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

GC/MS VOA

Analysis Batch: 372997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-124137-1	MW-187A	Total/NA	Groundwater	8260C	
410-124137-2	MW-187B	Total/NA	Groundwater	8260C	
410-124137-3	MW-187C	Total/NA	Groundwater	8260C	
410-124137-3 - DL	MW-187C	Total/NA	Groundwater	8260C	
410-124137-4	MW-54B	Total/NA	Groundwater	8260C	
410-124137-5	MW-54C H/S-210	Total/NA	Groundwater	8260C	
410-124137-5 - DL	MW-54C H/S-210	Total/NA	Groundwater	8260C	
410-124137-6	MW-54C H/S-298	Total/NA	Groundwater	8260C	
410-124137-6 - DL	MW-54C H/S-298	Total/NA	Groundwater	8260C	
410-124137-7	MW-38C	Total/NA	Groundwater	8260C	
410-124137-8	MW-178C	Total/NA	Groundwater	8260C	
MB 410-372997/7	Method Blank	Total/NA	Water	8260C	
LCS 410-372997/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 410-372997/5	Lab Control Sample Dup	Total/NA	Water	8260C	
410-124137-5 MS	MW-54C H/S-210	Total/NA	Groundwater	8260C	
410-124137-5 MSD	MW-54C H/S-210	Total/NA	Groundwater	8260C	

Client Sample ID: MW-187A
Lab Sample ID: 410-124137-1

Date Collected: 04/24/23 12:00
Matrix: Groundwater
Date Received: 04/25/23 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	372997	DVW2	ELLE	05/07/23 18:14

Client Sample ID: MW-187B
Lab Sample ID: 410-124137-2

Date Collected: 04/24/23 12:05
Matrix: Groundwater
Date Received: 04/25/23 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	372997	DVW2	ELLE	05/07/23 12:25

Client Sample ID: MW-187C
Lab Sample ID: 410-124137-3

Date Collected: 04/24/23 12:10
Matrix: Groundwater
Date Received: 04/25/23 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	372997	DVW2	ELLE	05/07/23 18:53
Total/NA	Analysis	8260C	DL	10	372997	DVW2	ELLE	05/07/23 19:12

Client Sample ID: MW-54B
Lab Sample ID: 410-124137-4

Date Collected: 04/24/23 12:40
Matrix: Groundwater
Date Received: 04/25/23 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	372997	DVW2	ELLE	05/07/23 12:45

Client Sample ID: MW-54C H/S-210
Lab Sample ID: 410-124137-5

Date Collected: 04/24/23 12:50
Matrix: Groundwater
Date Received: 04/25/23 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	372997	DVW2	ELLE	05/07/23 16:57
Total/NA	Analysis	8260C	DL	50	372997	DVW2	ELLE	05/07/23 17:55

Client Sample ID: MW-54C H/S-298
Lab Sample ID: 410-124137-6

Date Collected: 04/24/23 13:00
Matrix: Groundwater
Date Received: 04/25/23 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	372997	DVW2	ELLE	05/07/23 19:32
Total/NA	Analysis	8260C	DL	10	372997	DVW2	ELLE	05/07/23 19:51

Client Sample ID: MW-38C
Lab Sample ID: 410-124137-7

Date Collected: 04/24/23 14:10
Matrix: Groundwater
Date Received: 04/25/23 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	372997	DVW2	ELLE	05/07/23 13:04

Lab Chronicle

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Client Sample ID: MW-178C
Date Collected: 04/24/23 14:30
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-8
Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	372997	DVW2	ELLE	05/07/23 13:24

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Groundwater	1,1,1,2-Tetrachloroethane
8260C		Groundwater	1,1,1-Trichloroethane
8260C		Groundwater	1,1,2,2-Tetrachloroethane
8260C		Groundwater	1,1,2-Trichloroethane
8260C		Groundwater	1,1-Dichloroethane
8260C		Groundwater	1,1-Dichloroethene
8260C		Groundwater	1,1-Dichloropropene
8260C		Groundwater	1,2,3-Trichlorobenzene
8260C		Groundwater	1,2,3-Trichloropropane
8260C		Groundwater	1,2,4-Trichlorobenzene
8260C		Groundwater	1,2,4-Trimethylbenzene
8260C		Groundwater	1,2-Dibromo-3-Chloropropane
8260C		Groundwater	1,2-Dibromoethane
8260C		Groundwater	1,2-Dichlorobenzene
8260C		Groundwater	1,2-Dichloroethane
8260C		Groundwater	1,2-Dichloropropane
8260C		Groundwater	1,3,5-Trimethylbenzene
8260C		Groundwater	1,3-Dichlorobenzene
8260C		Groundwater	1,3-Dichloropropane
8260C		Groundwater	1,4-Dichlorobenzene
8260C		Groundwater	2,2-Dichloropropane
8260C		Groundwater	2-Butanone
8260C		Groundwater	2-Chlorotoluene
8260C		Groundwater	2-Hexanone
8260C		Groundwater	4-Chlorotoluene
8260C		Groundwater	4-Methyl-2-pentanone
8260C		Groundwater	Acetone
8260C		Groundwater	Benzene
8260C		Groundwater	Bromobenzene
8260C		Groundwater	Bromochloromethane
8260C		Groundwater	Bromodichloromethane
8260C		Groundwater	Bromoform
8260C		Groundwater	Bromomethane
8260C		Groundwater	Carbon disulfide
8260C		Groundwater	Carbon tetrachloride
8260C		Groundwater	Chlorobenzene
8260C		Groundwater	Chloroethane
8260C		Groundwater	Chloroform
8260C		Groundwater	Chloromethane
8260C		Groundwater	cis-1,2-Dichloroethene
8260C		Groundwater	cis-1,3-Dichloropropene
8260C		Groundwater	Dibromochloromethane
8260C		Groundwater	Dibromomethane
8260C		Groundwater	Dichlorodifluoromethane
8260C		Groundwater	di-Isopropyl ether

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Groundwater	Ethylbenzene
8260C		Groundwater	Hexachlorobutadiene
8260C		Groundwater	Isopropylbenzene
8260C		Groundwater	m&p-Xylene
8260C		Groundwater	Methyl tertiary butyl ether
8260C		Groundwater	Methylene Chloride
8260C		Groundwater	Naphthalene
8260C		Groundwater	n-Butylbenzene
8260C		Groundwater	n-Hexane
8260C		Groundwater	N-Propylbenzene
8260C		Groundwater	o-Xylene
8260C		Groundwater	p-Isopropyltoluene
8260C		Groundwater	sec-Butylbenzene
8260C		Groundwater	Styrene
8260C		Groundwater	t-Butyl alcohol
8260C		Groundwater	Tert-amyl methyl ether
8260C		Groundwater	Tert-butyl ethyl ether
8260C		Groundwater	tert-Butylbenzene
8260C		Groundwater	Tetrachloroethene
8260C		Groundwater	Toluene
8260C		Groundwater	trans-1,2-Dichloroethene
8260C		Groundwater	trans-1,3-Dichloropropene
8260C		Groundwater	Trichloroethene
8260C		Groundwater	Trichlorofluoromethane
8260C		Groundwater	Vinyl chloride
8260C		Groundwater	Xylenes, Total

Method Summary

Client: Kleinfelder Inc
Job ID: 410-124137-1
Project/Site: 2-8077 - Phoenix, MD

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

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

CHAIN OF CUSTODY- ExxonMobil Projects

Lancaster Laboratories

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17605
TEL. 717-656-2300
www.lancasterlabs.com

FED-EX Tracking #

Lancaster Quote #

410-124137 Chain of Custody

Client / Reporting Information

Company Name: Kleinfelder
Street Address: 1745 Dorsey Road, Suite J
City: Hanover, State: MD, Zip: 21076
Project Contact: Mark Schaaf
E-mail:
Phone #: 410-850-0404
Fax #: 410-850-0049
Sampler(s) Name(s): Joe Fruscarella
Phone #: 301-385-0957

SITE NAME - Provide Site Name for Retail or AFE Number for Major Projects

Retail Project (Site Name): Exxon - Phoenix 28077
Major Project (AFE):
Project Name: 14258 Jarrettsville Pike
City: Phoenix, State: MD
ExxonMobil Manager: John Lee
ExxonMobil Purchase Order #: Direct Bill to Exxon Mobil

ExxonMobil Environmental Services Co.

If Project is Direct Bill to Consultant
Company Name:
Street Address:
City, State, Zip:
Attention: PO#

Requested Analysis (see TEST CODE sheet)

Matrix Code

DW - Drinking Wa
GW - Ground Wa
WW - Water
SW - Surface Wa
SO - Soil
SL - Sludge
SED-Sedimer
OI - Oil
LIQ - Other Liquic
AIR - Air
SOL - Other Soi
WP - Wipe
FB-Fiel Blank

Lancaster Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	MTBE, BTEX, ETBE, TAME, DIPE, TBA by EPA 8260B	Full List VOCs + Oxy5 by 8260	LAB USE ONI
	MW-187A		4/24/23	12:00	JF	GW	3	X								X	X	
	MW-187B		4/24/23	12:05	JF	GW	3	X								X	X	
	MW-187C		4/24/23	12:10	JF	GW	3	X								X	X	
	MW-54B		4/24/23	12:40	JF	GW	3	X								X	X	
	MW-54C H/S-210		4/24/23	~~12:50~~ 12:50	JF	GW	3	X								X	X	
	MW-54C H/S-278		4/24/23	13:00	JF	GW	3	X								X	X	
	MW-38C		4/24/23	14:10	JF	GW	3	X								X	X	
	MW-178C		4/24/23	14:30	JF	GW	3	X								X	X	
			~~4/24/23~~															

Data Deliverable Information

- [X] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

DROP BOX - MW

Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] 8 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Date Time			Date Time		
Relinquished by Sampler:	4/25/23 5:50	1 Received By: Coolers Room	4/25/23 5:50	2 Relinquished By:	12:50 4/25/23	3 Received By: 4/25/23 17:55
Relinquished by Sampler:	4/25/23 17:05	3 Received By:		4 Relinquished By:		4 Received By:
Relinquished by:	Date Time:	5 Received By:	4/25/23 1705	Custody Seal #	Intact / Not intact	Preserved where applicable / On Ice ✓ / Cooler Temp. 1.1

AEH

5/8/2023

CHAIN OF CUSTODY- ExxonMobil Projects

Drop box - system

PAGE ___ OF ___

Lancaster Laboratories

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17605
TEL. 717-656-2300
www.lancasterlabs.com

FED-EX Tracking #

Bottle Order Control #

Lancaster Quote #

Lancaster Job #

Client / Reporting Information

ompany Name: Kleinfelder

reet Address: 1745 Dorsey Road, Suite J

ity / State / Zip: Hanover, MD 21076

roject Contact / E-mail: Stacey Schiding

hone # / Fax #: 410-850-0404 / 410-850-0049

ampler(s) Name(s) / Phone #: Joe Frascarella 301-385-0957

SITE NAME - Provide Site Name for Retail or AFE Number for Major Projects

Retail Project (Site Name): Exxon - Phoenix 28077

Major Project (AFE):

Project Name: 14258 Jarrettsville Pike

City / State: Phoenix MD

ExxonMobil Manager: John Lee

ExxonMobil Purchase Order #: Direct Bill to Exxon Mobil

ExxonMobil Environmental Services Co.

If Project is Direct Bill to Consultant

Company Name

Street Address

City / State / Zip

Attention: PO#

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Wat
GW - Ground Wat
WW - Water
SW - Surface Wat
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solic
WP - Wipe
FB-Field Blank

ancaster ample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	MTBE, BTEX by 8260B	TPH - GRO by 8015B	TPH - DRO by 8015B Microextraction	Naphthalene by 8260B	LAB USE ONL
	LGACEFF01		4/24/23	15:00	JF	GW	9	X								X	X	X	X	
	LGACMID01		4/24/23	15:10	JF	GW	3	X								X				
	LGACINF01		4/24/23	15:15	JF	GW	3	X								X				
	Trip Blank (TB)															X				

Turnaround Time (Business days)

Approved By (Lancaster PM): / Date:

- [X] Std. 10 Business Days
- [ ] 8 Day *RUSH*
- [ ] 6 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Data Deliverable Information

- [X] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time: 4/25/23	Received By: 1 Cooler Room 4/25/23 5:50	Relinquished By: 2	Date Time: 4/25/23 12:55	Received By: 2 4/25/23 12:55
Relinquished by Sampler:	Date Time: 4/25/23 17:05	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by:	Date Time:	Received By: 5 4/25/23 1705	Custody Seal #	Intact / Not Intact	Preserved where applicable / On Ice / Cooler Temp.

CJ

Login Sample Receipt Checklist

Client: Kleinfelder Inc

Job Number: 410-124137-1

Login Number: 124137

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Jeremiah, Cory T

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Client: Kleinfelder Inc
Job ID: 410-124137-1
Project/Site: 2-8077 - Phoenix, MD

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.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mark Schaaf
Kleinfelder Inc
1745 Dorsey Road
Suite J
Hanover, Maryland 21076

Generated 6/2/2023 2:58:10 AM

JOB DESCRIPTION

2-8077 - Phoenix, MD

JOB NUMBER

410-127780-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
6/2/2023 2:58:10 AM

Authorized for release by
Megan Moeller, Client Services Manager
Megan.Moeller@et.eurofinsus.com
(717)556-7261

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

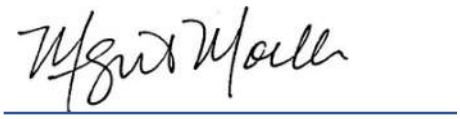

Table of Contents

Sample Summary

Client: Kleinfelder Inc
Job ID: 410-127780-1
Project/Site: 2-8077 - Phoenix, MD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-127780-1	MW-187A	Groundwater	05/22/23 09:50	05/23/23 16:23
410-127780-2	MW-187B	Groundwater	05/22/23 09:55	05/23/23 16:23
410-127780-3	MW-187C	Groundwater	05/22/23 10:00	05/23/23 16:23
410-127780-4	MW-54B	Groundwater	05/22/23 11:00	05/23/23 16:23
410-127780-5	MW-54C H/S-210	Groundwater	05/22/23 11:15	05/23/23 16:23
410-127780-6	MW-54C H/S-298	Groundwater	05/22/23 11:25	05/23/23 16:23
410-127780-7	MW-38C	Groundwater	05/22/23 12:00	05/23/23 16:23
410-127780-8	MW-178C	Groundwater	05/22/23 12:25	05/23/23 16:23

Job ID: 410-127780-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-127780-1

Receipt
The samples were received on 5/23/2023 4:23 PM. 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 2.2°C

Receipt Exceptions
A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 410-381839 recovered outside acceptance criteria, low biased, for 2-Butanone and 2-Hexanone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

Detection Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-187A — Lab Sample ID: 410-127780-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	37		5.0	1.0	ug/L	1		8260C	Total/NA
1,3,5-Trimethylbenzene	20		5.0	0.30	ug/L	1		8260C	Total/NA
2-Butanone	2.0	J cn	10	0.50	ug/L	1		8260C	Total/NA
4-Methyl-2-pentanone	1.0	J	10	0.50	ug/L	1		8260C	Total/NA
Acetone	9.3	J	20	0.70	ug/L	1		8260C	Total/NA
Benzene	85		1.0	0.30	ug/L	1		8260C	Total/NA
di-Isopropyl ether	0.47	J	1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	1.1		1.0	0.30	ug/L	1		8260C	Total/NA
Ethylbenzene	31		1.0	0.40	ug/L	1		8260C	Total/NA
Isopropylbenzene	2.2	J	5.0	0.20	ug/L	1		8260C	Total/NA
m&p-Xylene	210		5.0	2.0	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	74		1.0	0.20	ug/L	1		8260C	Total/NA
Naphthalene	14		5.0	1.0	ug/L	1		8260C	Total/NA
N-Propylbenzene	1.2	J	5.0	0.30	ug/L	1		8260C	Total/NA
o-Xylene	190		1.0	0.40	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	8.7		5.0	0.80	ug/L	1		8260C	Total/NA
t-Butyl alcohol	24	J	50	12	ug/L	1		8260C	Total/NA
Toluene	250		1.0	0.20	ug/L	1		8260C	Total/NA
Xylenes, Total	400		1.0	0.40	ug/L	1		8260C	Total/NA

Client Sample ID: MW-187B — Lab Sample ID: 410-127780-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	2.2		1.0	0.20	ug/L	1		8260C	Total/NA

Client Sample ID: MW-187C — Lab Sample ID: 410-127780-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.6	J	20	0.70	ug/L	1		8260C	Total/NA
di-Isopropyl ether	1.2		1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	4.9		1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	270		1.0	0.20	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	9.1		5.0	0.80	ug/L	1		8260C	Total/NA

Client Sample ID: MW-54B — Lab Sample ID: 410-127780-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		1.0	0.30	ug/L	1		8260C	Total/NA
di-Isopropyl ether	4.0		1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	12		1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	130		1.0	0.20	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	12		5.0	0.80	ug/L	1		8260C	Total/NA
t-Butyl alcohol	580		50	12	ug/L	1		8260C	Total/NA

Client Sample ID: MW-54C H/S-210 — Lab Sample ID: 410-127780-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	18		5.0	1.5	ug/L	5		8260C	Total/NA
di-Isopropyl ether	25		5.0	1.5	ug/L	5		8260C	Total/NA
Tert-butyl ethyl ether	94		5.0	1.5	ug/L	5		8260C	Total/NA
Methyl tertiary butyl ether	40		5.0	1.0	ug/L	5		8260C	Total/NA
Tert-amyl methyl ether	5.1	J	25	4.0	ug/L	5		8260C	Total/NA
t-Butyl alcohol	6300		250	60	ug/L	5		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-54C H/S-298 — Lab Sample ID: 410-127780-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	21		1.0	0.30	ug/L	1		8260C	Total/NA
di-Isopropyl ether	17		1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	65		1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	39		1.0	0.20	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	5.9		5.0	0.80	ug/L	1		8260C	Total/NA
t-Butyl alcohol - DL	4800		500	120	ug/L	10		8260C	Total/NA

Client Sample ID: MW-38C — Lab Sample ID: 410-127780-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tert-butyl ethyl ether	0.51	J	1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	11		1.0	0.20	ug/L	1		8260C	Total/NA

Client Sample ID: MW-178C — Lab Sample ID: 410-127780-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
di-Isopropyl ether	0.58	J F1	1.0	0.30	ug/L	1		8260C	Total/NA
Tert-butyl ethyl ether	1.6	F1	1.0	0.30	ug/L	1		8260C	Total/NA
Methyl tertiary butyl ether	34	F1	1.0	0.20	ug/L	1		8260C	Total/NA
Tert-amyl methyl ether	2.2	J F1	5.0	0.80	ug/L	1		8260C	Total/NA
t-Butyl alcohol	51		50	12	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-187A
Date Collected: 05/22/23 09:50
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-1
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 14:19	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 14:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 14:19	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 14:19	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 14:19	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 14:19	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			06/01/23 14:19	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			06/01/23 14:19	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			06/01/23 14:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 14:19	1
1,2,4-Trimethylbenzene	**37**		5.0	1.0	ug/L			06/01/23 14:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/01/23 14:19	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/01/23 14:19	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/01/23 14:19	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 14:19	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 14:19	1
1,3,5-Trimethylbenzene	**20**		5.0	0.30	ug/L			06/01/23 14:19	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/01/23 14:19	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 14:19	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 14:19	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 14:19	1
2-Butanone	**2.0**	**J cn**	10	0.50	ug/L			06/01/23 14:19	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 14:19	1
2-Hexanone	ND	cn	10	0.85	ug/L			06/01/23 14:19	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 14:19	1
4-Methyl-2-pentanone	**1.0**	**J**	10	0.50	ug/L			06/01/23 14:19	1
Acetone	**9.3**	**J**	20	0.70	ug/L			06/01/23 14:19	1
Benzene	**85**		1.0	0.30	ug/L			06/01/23 14:19	1
Bromobenzene	ND		5.0	0.30	ug/L			06/01/23 14:19	1
Bromochloromethane	ND		5.0	0.20	ug/L			06/01/23 14:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/01/23 14:19	1
Bromoform	ND		4.0	1.0	ug/L			06/01/23 14:19	1
Bromomethane	ND		1.0	0.30	ug/L			06/01/23 14:19	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/01/23 14:19	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/01/23 14:19	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/01/23 14:19	1
Chloroethane	ND		1.0	0.20	ug/L			06/01/23 14:19	1
Chloroform	ND		1.0	0.30	ug/L			06/01/23 14:19	1
Chloromethane	ND		2.0	0.55	ug/L			06/01/23 14:19	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 14:19	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 14:19	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/01/23 14:19	1
Dibromomethane	ND		1.0	0.30	ug/L			06/01/23 14:19	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			06/01/23 14:19	1
di-Isopropyl ether	**0.47**	**J**	1.0	0.30	ug/L			06/01/23 14:19	1
Tert-butyl ethyl ether	**1.1**		1.0	0.30	ug/L			06/01/23 14:19	1
Ethylbenzene	**31**		1.0	0.40	ug/L			06/01/23 14:19	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			06/01/23 14:19	1
Isopropylbenzene	**2.2**	**J**	5.0	0.20	ug/L			06/01/23 14:19	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-187A
Date Collected: 05/22/23 09:50
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-1
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	**210**		5.0	2.0	ug/L			06/01/23 14:19	1
Methyl tertiary butyl ether	**74**		1.0	0.20	ug/L			06/01/23 14:19	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/01/23 14:19	1
Naphthalene	**14**		5.0	1.0	ug/L			06/01/23 14:19	1
n-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 14:19	1
n-Hexane	ND		5.0	2.0	ug/L			06/01/23 14:19	1
N-Propylbenzene	**1.2**	**J**	5.0	0.30	ug/L			06/01/23 14:19	1
o-Xylene	**190**		1.0	0.40	ug/L			06/01/23 14:19	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			06/01/23 14:19	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 14:19	1
Styrene	ND		5.0	0.30	ug/L			06/01/23 14:19	1
Tert-amyl methyl ether	**8.7**		5.0	0.80	ug/L			06/01/23 14:19	1
t-Butyl alcohol	**24**	**J**	50	12	ug/L			06/01/23 14:19	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 14:19	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/01/23 14:19	1
Toluene	**250**		1.0	0.20	ug/L			06/01/23 14:19	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/01/23 14:19	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 14:19	1
Trichloroethene	ND		1.0	0.30	ug/L			06/01/23 14:19	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			06/01/23 14:19	1
Vinyl chloride	ND		1.0	0.20	ug/L			06/01/23 14:19	1
Xylenes, Total	**400**		1.0	0.40	ug/L			06/01/23 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/01/23 14:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*06/01/23 14:19*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*06/01/23 14:19*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/01/23 14:19*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-187B
Date Collected: 05/22/23 09:55
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-2
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 14:39	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 14:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 14:39	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 14:39	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 14:39	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 14:39	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			06/01/23 14:39	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			06/01/23 14:39	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			06/01/23 14:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 14:39	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			06/01/23 14:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/01/23 14:39	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/01/23 14:39	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/01/23 14:39	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 14:39	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 14:39	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			06/01/23 14:39	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/01/23 14:39	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 14:39	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 14:39	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 14:39	1
2-Butanone	ND	cn	10	0.50	ug/L			06/01/23 14:39	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 14:39	1
2-Hexanone	ND	cn	10	0.85	ug/L			06/01/23 14:39	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 14:39	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/01/23 14:39	1
Acetone	ND		20	0.70	ug/L			06/01/23 14:39	1
Benzene	ND		1.0	0.30	ug/L			06/01/23 14:39	1
Bromobenzene	ND		5.0	0.30	ug/L			06/01/23 14:39	1
Bromochloromethane	ND		5.0	0.20	ug/L			06/01/23 14:39	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/01/23 14:39	1
Bromoform	ND		4.0	1.0	ug/L			06/01/23 14:39	1
Bromomethane	ND		1.0	0.30	ug/L			06/01/23 14:39	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/01/23 14:39	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/01/23 14:39	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/01/23 14:39	1
Chloroethane	ND		1.0	0.20	ug/L			06/01/23 14:39	1
Chloroform	ND		1.0	0.30	ug/L			06/01/23 14:39	1
Chloromethane	ND		2.0	0.55	ug/L			06/01/23 14:39	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 14:39	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 14:39	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/01/23 14:39	1
Dibromomethane	ND		1.0	0.30	ug/L			06/01/23 14:39	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			06/01/23 14:39	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			06/01/23 14:39	1
Tert-butyl ethyl ether	ND		1.0	0.30	ug/L			06/01/23 14:39	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/01/23 14:39	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			06/01/23 14:39	1
Isopropylbenzene	ND		5.0	0.20	ug/L			06/01/23 14:39	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-187B
Date Collected: 05/22/23 09:55
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-2
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			06/01/23 14:39	1
Methyl tertiary butyl ether	**2.2**		1.0	0.20	ug/L			06/01/23 14:39	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/01/23 14:39	1
Naphthalene	ND		5.0	1.0	ug/L			06/01/23 14:39	1
n-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 14:39	1
n-Hexane	ND		5.0	2.0	ug/L			06/01/23 14:39	1
N-Propylbenzene	ND		5.0	0.30	ug/L			06/01/23 14:39	1
o-Xylene	ND		1.0	0.40	ug/L			06/01/23 14:39	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			06/01/23 14:39	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 14:39	1
Styrene	ND		5.0	0.30	ug/L			06/01/23 14:39	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			06/01/23 14:39	1
t-Butyl alcohol	ND		50	12	ug/L			06/01/23 14:39	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 14:39	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/01/23 14:39	1
Toluene	ND		1.0	0.20	ug/L			06/01/23 14:39	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/01/23 14:39	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 14:39	1
Trichloroethene	ND		1.0	0.30	ug/L			06/01/23 14:39	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			06/01/23 14:39	1
Vinyl chloride	ND		1.0	0.20	ug/L			06/01/23 14:39	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/01/23 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/01/23 14:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*06/01/23 14:39*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/01/23 14:39*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/01/23 14:39*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-187C
Date Collected: 05/22/23 10:00
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-3
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 14:59	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 14:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 14:59	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 14:59	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 14:59	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 14:59	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			06/01/23 14:59	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			06/01/23 14:59	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			06/01/23 14:59	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 14:59	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			06/01/23 14:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/01/23 14:59	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/01/23 14:59	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/01/23 14:59	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 14:59	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 14:59	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			06/01/23 14:59	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/01/23 14:59	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 14:59	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 14:59	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 14:59	1
2-Butanone	ND	cn	10	0.50	ug/L			06/01/23 14:59	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 14:59	1
2-Hexanone	ND	cn	10	0.85	ug/L			06/01/23 14:59	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 14:59	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/01/23 14:59	1
Acetone	**1.6**	**J**	20	0.70	ug/L			06/01/23 14:59	1
Benzene	ND		1.0	0.30	ug/L			06/01/23 14:59	1
Bromobenzene	ND		5.0	0.30	ug/L			06/01/23 14:59	1
Bromochloromethane	ND		5.0	0.20	ug/L			06/01/23 14:59	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/01/23 14:59	1
Bromoform	ND		4.0	1.0	ug/L			06/01/23 14:59	1
Bromomethane	ND		1.0	0.30	ug/L			06/01/23 14:59	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/01/23 14:59	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/01/23 14:59	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/01/23 14:59	1
Chloroethane	ND		1.0	0.20	ug/L			06/01/23 14:59	1
Chloroform	ND		1.0	0.30	ug/L			06/01/23 14:59	1
Chloromethane	ND		2.0	0.55	ug/L			06/01/23 14:59	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 14:59	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 14:59	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/01/23 14:59	1
Dibromomethane	ND		1.0	0.30	ug/L			06/01/23 14:59	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			06/01/23 14:59	1
di-Isopropyl ether	**1.2**		1.0	0.30	ug/L			06/01/23 14:59	1
Tert-butyl ethyl ether	**4.9**		1.0	0.30	ug/L			06/01/23 14:59	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/01/23 14:59	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			06/01/23 14:59	1
Isopropylbenzene	ND		5.0	0.20	ug/L			06/01/23 14:59	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-187C
Date Collected: 05/22/23 10:00
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-3
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			06/01/23 14:59	1
Methyl tertiary butyl ether	**270**		1.0	0.20	ug/L			06/01/23 14:59	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/01/23 14:59	1
Naphthalene	ND		5.0	1.0	ug/L			06/01/23 14:59	1
n-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 14:59	1
n-Hexane	ND		5.0	2.0	ug/L			06/01/23 14:59	1
N-Propylbenzene	ND		5.0	0.30	ug/L			06/01/23 14:59	1
o-Xylene	ND		1.0	0.40	ug/L			06/01/23 14:59	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			06/01/23 14:59	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 14:59	1
Styrene	ND		5.0	0.30	ug/L			06/01/23 14:59	1
Tert-amyl methyl ether	**9.1**		5.0	0.80	ug/L			06/01/23 14:59	1
t-Butyl alcohol	ND		50	12	ug/L			06/01/23 14:59	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 14:59	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/01/23 14:59	1
Toluene	ND		1.0	0.20	ug/L			06/01/23 14:59	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/01/23 14:59	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 14:59	1
Trichloroethene	ND		1.0	0.30	ug/L			06/01/23 14:59	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			06/01/23 14:59	1
Vinyl chloride	ND		1.0	0.20	ug/L			06/01/23 14:59	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/01/23 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/01/23 14:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*06/01/23 14:59*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/01/23 14:59*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/01/23 14:59*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-54B
Date Collected: 05/22/23 11:00
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-4
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 15:40	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 15:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 15:40	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 15:40	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 15:40	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 15:40	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			06/01/23 15:40	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			06/01/23 15:40	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			06/01/23 15:40	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 15:40	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			06/01/23 15:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/01/23 15:40	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/01/23 15:40	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/01/23 15:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 15:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 15:40	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			06/01/23 15:40	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/01/23 15:40	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 15:40	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 15:40	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 15:40	1
2-Butanone	ND	cn	10	0.50	ug/L			06/01/23 15:40	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 15:40	1
2-Hexanone	ND	cn	10	0.85	ug/L			06/01/23 15:40	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 15:40	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/01/23 15:40	1
Acetone	ND		20	0.70	ug/L			06/01/23 15:40	1
Benzene	**1.1**		1.0	0.30	ug/L			06/01/23 15:40	1
Bromobenzene	ND		5.0	0.30	ug/L			06/01/23 15:40	1
Bromochloromethane	ND		5.0	0.20	ug/L			06/01/23 15:40	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/01/23 15:40	1
Bromoform	ND		4.0	1.0	ug/L			06/01/23 15:40	1
Bromomethane	ND		1.0	0.30	ug/L			06/01/23 15:40	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/01/23 15:40	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/01/23 15:40	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/01/23 15:40	1
Chloroethane	ND		1.0	0.20	ug/L			06/01/23 15:40	1
Chloroform	ND		1.0	0.30	ug/L			06/01/23 15:40	1
Chloromethane	ND		2.0	0.55	ug/L			06/01/23 15:40	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 15:40	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 15:40	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/01/23 15:40	1
Dibromomethane	ND		1.0	0.30	ug/L			06/01/23 15:40	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			06/01/23 15:40	1
di-Isopropyl ether	**4.0**		1.0	0.30	ug/L			06/01/23 15:40	1
Tert-butyl ethyl ether	**12**		1.0	0.30	ug/L			06/01/23 15:40	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/01/23 15:40	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			06/01/23 15:40	1
Isopropylbenzene	ND		5.0	0.20	ug/L			06/01/23 15:40	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-54B
Date Collected: 05/22/23 11:00
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-4
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			06/01/23 15:40	1
Methyl tertiary butyl ether	**130**		1.0	0.20	ug/L			06/01/23 15:40	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/01/23 15:40	1
Naphthalene	ND		5.0	1.0	ug/L			06/01/23 15:40	1
n-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 15:40	1
n-Hexane	ND		5.0	2.0	ug/L			06/01/23 15:40	1
N-Propylbenzene	ND		5.0	0.30	ug/L			06/01/23 15:40	1
o-Xylene	ND		1.0	0.40	ug/L			06/01/23 15:40	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			06/01/23 15:40	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 15:40	1
Styrene	ND		5.0	0.30	ug/L			06/01/23 15:40	1
Tert-amyl methyl ether	**12**		5.0	0.80	ug/L			06/01/23 15:40	1
t-Butyl alcohol	**580**		50	12	ug/L			06/01/23 15:40	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 15:40	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/01/23 15:40	1
Toluene	ND		1.0	0.20	ug/L			06/01/23 15:40	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/01/23 15:40	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 15:40	1
Trichloroethene	ND		1.0	0.30	ug/L			06/01/23 15:40	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			06/01/23 15:40	1
Vinyl chloride	ND		1.0	0.20	ug/L			06/01/23 15:40	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/01/23 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/01/23 15:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*06/01/23 15:40*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/01/23 15:40*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/01/23 15:40*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-54C H/S-210
Date Collected: 05/22/23 11:15
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-5
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.5	ug/L			06/01/23 16:00	5
1,1,1-Trichloroethane	ND		5.0	1.5	ug/L			06/01/23 16:00	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/L			06/01/23 16:00	5
1,1,2-Trichloroethane	ND		5.0	1.5	ug/L			06/01/23 16:00	5
1,1-Dichloroethane	ND		5.0	1.5	ug/L			06/01/23 16:00	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			06/01/23 16:00	5
1,1-Dichloropropene	ND		25	1.5	ug/L			06/01/23 16:00	5
1,2,3-Trichlorobenzene	ND		25	2.0	ug/L			06/01/23 16:00	5
1,2,3-Trichloropropane	ND		25	1.5	ug/L			06/01/23 16:00	5
1,2,4-Trichlorobenzene	ND		25	1.5	ug/L			06/01/23 16:00	5
1,2,4-Trimethylbenzene	ND		25	5.0	ug/L			06/01/23 16:00	5
1,2-Dibromo-3-Chloropropane	ND		25	1.5	ug/L			06/01/23 16:00	5
1,2-Dibromoethane	ND		5.0	1.0	ug/L			06/01/23 16:00	5
1,2-Dichlorobenzene	ND		25	1.0	ug/L			06/01/23 16:00	5
1,2-Dichloroethane	ND		5.0	1.5	ug/L			06/01/23 16:00	5
1,2-Dichloropropane	ND		5.0	1.5	ug/L			06/01/23 16:00	5
1,3,5-Trimethylbenzene	ND		25	1.5	ug/L			06/01/23 16:00	5
1,3-Dichlorobenzene	ND		25	3.4	ug/L			06/01/23 16:00	5
1,3-Dichloropropane	ND		5.0	1.5	ug/L			06/01/23 16:00	5
1,4-Dichlorobenzene	ND		25	1.5	ug/L			06/01/23 16:00	5
2,2-Dichloropropane	ND		5.0	1.5	ug/L			06/01/23 16:00	5
2-Butanone	ND	cn	50	2.5	ug/L			06/01/23 16:00	5
2-Chlorotoluene	ND		25	1.5	ug/L			06/01/23 16:00	5
2-Hexanone	ND	cn	50	4.3	ug/L			06/01/23 16:00	5
4-Chlorotoluene	ND		25	1.5	ug/L			06/01/23 16:00	5
4-Methyl-2-pentanone	ND		50	2.5	ug/L			06/01/23 16:00	5
Acetone	ND		100	3.5	ug/L			06/01/23 16:00	5
Benzene	**18**		5.0	1.5	ug/L			06/01/23 16:00	5
Bromobenzene	ND		25	1.5	ug/L			06/01/23 16:00	5
Bromochloromethane	ND		25	1.0	ug/L			06/01/23 16:00	5
Bromodichloromethane	ND		5.0	1.0	ug/L			06/01/23 16:00	5
Bromoform	ND		20	5.0	ug/L			06/01/23 16:00	5
Bromomethane	ND		5.0	1.5	ug/L			06/01/23 16:00	5
Carbon disulfide	ND		25	1.5	ug/L			06/01/23 16:00	5
Carbon tetrachloride	ND		5.0	1.5	ug/L			06/01/23 16:00	5
Chlorobenzene	ND		5.0	1.5	ug/L			06/01/23 16:00	5
Chloroethane	ND		5.0	1.0	ug/L			06/01/23 16:00	5
Chloroform	ND		5.0	1.5	ug/L			06/01/23 16:00	5
Chloromethane	ND		10	2.8	ug/L			06/01/23 16:00	5
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/L			06/01/23 16:00	5
cis-1,3-Dichloropropene	ND		5.0	1.0	ug/L			06/01/23 16:00	5
Dibromochloromethane	ND		5.0	1.0	ug/L			06/01/23 16:00	5
Dibromomethane	ND		5.0	1.5	ug/L			06/01/23 16:00	5
Dichlorodifluoromethane	ND		5.0	1.0	ug/L			06/01/23 16:00	5
di-Isopropyl ether	**25**		5.0	1.5	ug/L			06/01/23 16:00	5
Tert-butyl ethyl ether	**94**		5.0	1.5	ug/L			06/01/23 16:00	5
Ethylbenzene	ND		5.0	2.0	ug/L			06/01/23 16:00	5
Hexachlorobutadiene	ND		25	10	ug/L			06/01/23 16:00	5
Isopropylbenzene	ND		25	1.0	ug/L			06/01/23 16:00	5

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-54C H/S-210
Date Collected: 05/22/23 11:15
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-5
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		25	10	ug/L			06/01/23 16:00	5
Methyl tertiary butyl ether	**40**		5.0	1.0	ug/L			06/01/23 16:00	5
Methylene Chloride	ND		5.0	1.5	ug/L			06/01/23 16:00	5
Naphthalene	ND		25	5.0	ug/L			06/01/23 16:00	5
n-Butylbenzene	ND		25	1.5	ug/L			06/01/23 16:00	5
n-Hexane	ND		25	10	ug/L			06/01/23 16:00	5
N-Propylbenzene	ND		25	1.5	ug/L			06/01/23 16:00	5
o-Xylene	ND		5.0	2.0	ug/L			06/01/23 16:00	5
p-Isopropyltoluene	ND		25	1.5	ug/L			06/01/23 16:00	5
sec-Butylbenzene	ND		25	1.5	ug/L			06/01/23 16:00	5
Styrene	ND		25	1.5	ug/L			06/01/23 16:00	5
Tert-amyl methyl ether	**5.1**	**J**	25	4.0	ug/L			06/01/23 16:00	5
t-Butyl alcohol	**6300**		250	60	ug/L			06/01/23 16:00	5
tert-Butylbenzene	ND		25	1.5	ug/L			06/01/23 16:00	5
Tetrachloroethene	ND		5.0	1.5	ug/L			06/01/23 16:00	5
Toluene	ND		5.0	1.0	ug/L			06/01/23 16:00	5
trans-1,2-Dichloroethene	ND		10	3.5	ug/L			06/01/23 16:00	5
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/L			06/01/23 16:00	5
Trichloroethene	ND		5.0	1.5	ug/L			06/01/23 16:00	5
Trichlorofluoromethane	ND		5.0	1.0	ug/L			06/01/23 16:00	5
Vinyl chloride	ND		5.0	1.0	ug/L			06/01/23 16:00	5
Xylenes, Total	ND		5.0	2.0	ug/L			06/01/23 16:00	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/01/23 16:00*	*5*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/01/23 16:00*	*5*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/01/23 16:00*	*5*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/01/23 16:00*	*5*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-54C H/S-298
Date Collected: 05/22/23 11:25
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-6
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 16:41	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 16:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 16:41	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 16:41	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 16:41	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 16:41	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			06/01/23 16:41	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			06/01/23 16:41	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			06/01/23 16:41	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 16:41	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			06/01/23 16:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/01/23 16:41	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/01/23 16:41	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/01/23 16:41	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 16:41	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 16:41	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			06/01/23 16:41	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/01/23 16:41	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 16:41	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 16:41	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 16:41	1
2-Butanone	ND	cn	10	0.50	ug/L			06/01/23 16:41	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 16:41	1
2-Hexanone	ND	cn	10	0.85	ug/L			06/01/23 16:41	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 16:41	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/01/23 16:41	1
Acetone	ND		20	0.70	ug/L			06/01/23 16:41	1
Benzene	**21**		1.0	0.30	ug/L			06/01/23 16:41	1
Bromobenzene	ND		5.0	0.30	ug/L			06/01/23 16:41	1
Bromochloromethane	ND		5.0	0.20	ug/L			06/01/23 16:41	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/01/23 16:41	1
Bromoform	ND		4.0	1.0	ug/L			06/01/23 16:41	1
Bromomethane	ND		1.0	0.30	ug/L			06/01/23 16:41	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/01/23 16:41	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/01/23 16:41	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/01/23 16:41	1
Chloroethane	ND		1.0	0.20	ug/L			06/01/23 16:41	1
Chloroform	ND		1.0	0.30	ug/L			06/01/23 16:41	1
Chloromethane	ND		2.0	0.55	ug/L			06/01/23 16:41	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 16:41	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 16:41	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/01/23 16:41	1
Dibromomethane	ND		1.0	0.30	ug/L			06/01/23 16:41	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			06/01/23 16:41	1
di-Isopropyl ether	**17**		1.0	0.30	ug/L			06/01/23 16:41	1
Tert-butyl ethyl ether	**65**		1.0	0.30	ug/L			06/01/23 16:41	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/01/23 16:41	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			06/01/23 16:41	1
Isopropylbenzene	ND		5.0	0.20	ug/L			06/01/23 16:41	1

Client Sample ID: MW-54C H/S-298
Date Collected: 05/22/23 11:25
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-6
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			06/01/23 16:41	1
Methyl tertiary butyl ether	**39**		1.0	0.20	ug/L			06/01/23 16:41	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/01/23 16:41	1
Naphthalene	ND		5.0	1.0	ug/L			06/01/23 16:41	1
n-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 16:41	1
n-Hexane	ND		5.0	2.0	ug/L			06/01/23 16:41	1
N-Propylbenzene	ND		5.0	0.30	ug/L			06/01/23 16:41	1
o-Xylene	ND		1.0	0.40	ug/L			06/01/23 16:41	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			06/01/23 16:41	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 16:41	1
Styrene	ND		5.0	0.30	ug/L			06/01/23 16:41	1
Tert-amyl methyl ether	**5.9**		5.0	0.80	ug/L			06/01/23 16:41	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 16:41	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/01/23 16:41	1
Toluene	ND		1.0	0.20	ug/L			06/01/23 16:41	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/01/23 16:41	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 16:41	1
Trichloroethene	ND		1.0	0.30	ug/L			06/01/23 16:41	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			06/01/23 16:41	1
Vinyl chloride	ND		1.0	0.20	ug/L			06/01/23 16:41	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/01/23 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/01/23 16:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*06/01/23 16:41*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/01/23 16:41*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/01/23 16:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
t-Butyl alcohol	**4800**		500	120	ug/L			06/01/23 17:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*06/01/23 17:01*	*10*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*06/01/23 17:01*	*10*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/01/23 17:01*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/01/23 17:01*	*10*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-38C
Date Collected: 05/22/23 12:00
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-7
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 17:21	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 17:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 17:21	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 17:21	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 17:21	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 17:21	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			06/01/23 17:21	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			06/01/23 17:21	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			06/01/23 17:21	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 17:21	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			06/01/23 17:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/01/23 17:21	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/01/23 17:21	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/01/23 17:21	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 17:21	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 17:21	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			06/01/23 17:21	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/01/23 17:21	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 17:21	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 17:21	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 17:21	1
2-Butanone	ND	cn	10	0.50	ug/L			06/01/23 17:21	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 17:21	1
2-Hexanone	ND	cn	10	0.85	ug/L			06/01/23 17:21	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 17:21	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/01/23 17:21	1
Acetone	ND		20	0.70	ug/L			06/01/23 17:21	1
Benzene	ND		1.0	0.30	ug/L			06/01/23 17:21	1
Bromobenzene	ND		5.0	0.30	ug/L			06/01/23 17:21	1
Bromochloromethane	ND		5.0	0.20	ug/L			06/01/23 17:21	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/01/23 17:21	1
Bromoform	ND		4.0	1.0	ug/L			06/01/23 17:21	1
Bromomethane	ND		1.0	0.30	ug/L			06/01/23 17:21	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/01/23 17:21	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/01/23 17:21	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/01/23 17:21	1
Chloroethane	ND		1.0	0.20	ug/L			06/01/23 17:21	1
Chloroform	ND		1.0	0.30	ug/L			06/01/23 17:21	1
Chloromethane	ND		2.0	0.55	ug/L			06/01/23 17:21	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 17:21	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 17:21	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/01/23 17:21	1
Dibromomethane	ND		1.0	0.30	ug/L			06/01/23 17:21	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			06/01/23 17:21	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			06/01/23 17:21	1
Tert-butyl ethyl ether	**0.51**	**J**	1.0	0.30	ug/L			06/01/23 17:21	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/01/23 17:21	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			06/01/23 17:21	1
Isopropylbenzene	ND		5.0	0.20	ug/L			06/01/23 17:21	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-38C
Date Collected: 05/22/23 12:00
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-7
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	2.0	ug/L			06/01/23 17:21	1
Methyl tertiary butyl ether	**11**		1.0	0.20	ug/L			06/01/23 17:21	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/01/23 17:21	1
Naphthalene	ND		5.0	1.0	ug/L			06/01/23 17:21	1
n-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 17:21	1
n-Hexane	ND		5.0	2.0	ug/L			06/01/23 17:21	1
N-Propylbenzene	ND		5.0	0.30	ug/L			06/01/23 17:21	1
o-Xylene	ND		1.0	0.40	ug/L			06/01/23 17:21	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			06/01/23 17:21	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 17:21	1
Styrene	ND		5.0	0.30	ug/L			06/01/23 17:21	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			06/01/23 17:21	1
t-Butyl alcohol	ND		50	12	ug/L			06/01/23 17:21	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 17:21	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/01/23 17:21	1
Toluene	ND		1.0	0.20	ug/L			06/01/23 17:21	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/01/23 17:21	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 17:21	1
Trichloroethene	ND		1.0	0.30	ug/L			06/01/23 17:21	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			06/01/23 17:21	1
Vinyl chloride	ND		1.0	0.20	ug/L			06/01/23 17:21	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/01/23 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*06/01/23 17:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/01/23 17:21*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/01/23 17:21*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/01/23 17:21*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-178C
Date Collected: 05/22/23 12:25
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-8
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 17:41	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 17:41	1
1,1,2,2-Tetrachloroethane	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
1,1,2-Trichloroethane	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
1,1-Dichloroethane	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
1,1-Dichloroethene	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
1,1-Dichloropropene	ND	F1	5.0	0.30	ug/L			06/01/23 17:41	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			06/01/23 17:41	1
1,2,3-Trichloropropane	ND	F1	5.0	0.30	ug/L			06/01/23 17:41	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 17:41	1
1,2,4-Trimethylbenzene	ND	F1	5.0	1.0	ug/L			06/01/23 17:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/01/23 17:41	1
1,2-Dibromoethane	ND	F1	1.0	0.20	ug/L			06/01/23 17:41	1
1,2-Dichlorobenzene	ND	F1	5.0	0.20	ug/L			06/01/23 17:41	1
1,2-Dichloroethane	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
1,2-Dichloropropane	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
1,3,5-Trimethylbenzene	ND	F1	5.0	0.30	ug/L			06/01/23 17:41	1
1,3-Dichlorobenzene	ND	F1	5.0	0.68	ug/L			06/01/23 17:41	1
1,3-Dichloropropane	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
1,4-Dichlorobenzene	ND	F1	5.0	0.30	ug/L			06/01/23 17:41	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 17:41	1
2-Butanone	ND	cn	10	0.50	ug/L			06/01/23 17:41	1
2-Chlorotoluene	ND	F1	5.0	0.30	ug/L			06/01/23 17:41	1
2-Hexanone	ND	cn	10	0.85	ug/L			06/01/23 17:41	1
4-Chlorotoluene	ND	F1	5.0	0.30	ug/L			06/01/23 17:41	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/01/23 17:41	1
Acetone	ND		20	0.70	ug/L			06/01/23 17:41	1
Benzene	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
Bromobenzene	ND	F1	5.0	0.30	ug/L			06/01/23 17:41	1
Bromochloromethane	ND	F1	5.0	0.20	ug/L			06/01/23 17:41	1
Bromodichloromethane	ND	F1	1.0	0.20	ug/L			06/01/23 17:41	1
Bromoform	ND		4.0	1.0	ug/L			06/01/23 17:41	1
Bromomethane	ND		1.0	0.30	ug/L			06/01/23 17:41	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/01/23 17:41	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/01/23 17:41	1
Chlorobenzene	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
Chloroethane	ND		1.0	0.20	ug/L			06/01/23 17:41	1
Chloroform	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
Chloromethane	ND	F1	2.0	0.55	ug/L			06/01/23 17:41	1
cis-1,2-Dichloroethene	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
cis-1,3-Dichloropropene	ND	F1	1.0	0.20	ug/L			06/01/23 17:41	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/01/23 17:41	1
Dibromomethane	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			06/01/23 17:41	1
di-Isopropyl ether	**0.58**	**J F1**	1.0	0.30	ug/L			06/01/23 17:41	1
Tert-butyl ethyl ether	**1.6**	**F1**	1.0	0.30	ug/L			06/01/23 17:41	1
Ethylbenzene	ND	F1	1.0	0.40	ug/L			06/01/23 17:41	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			06/01/23 17:41	1
Isopropylbenzene	ND	F1	5.0	0.20	ug/L			06/01/23 17:41	1

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-178C
Date Collected: 05/22/23 12:25
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-8
Matrix: Groundwater

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND	F1	5.0	2.0	ug/L			06/01/23 17:41	1
Methyl tertiary butyl ether	**34**	**F1**	1.0	0.20	ug/L			06/01/23 17:41	1
Methylene Chloride	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
Naphthalene	ND		5.0	1.0	ug/L			06/01/23 17:41	1
n-Butylbenzene	ND	F1	5.0	0.30	ug/L			06/01/23 17:41	1
n-Hexane	ND		5.0	2.0	ug/L			06/01/23 17:41	1
N-Propylbenzene	ND	F1	5.0	0.30	ug/L			06/01/23 17:41	1
o-Xylene	ND	F1	1.0	0.40	ug/L			06/01/23 17:41	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			06/01/23 17:41	1
sec-Butylbenzene	ND	F1	5.0	0.30	ug/L			06/01/23 17:41	1
Styrene	ND	F1	5.0	0.30	ug/L			06/01/23 17:41	1
Tert-amyl methyl ether	**2.2**	**J F1**	5.0	0.80	ug/L			06/01/23 17:41	1
t-Butyl alcohol	**51**		50	12	ug/L			06/01/23 17:41	1
tert-Butylbenzene	ND	F1	5.0	0.30	ug/L			06/01/23 17:41	1
Tetrachloroethene	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
Toluene	ND	F1	1.0	0.20	ug/L			06/01/23 17:41	1
trans-1,2-Dichloroethene	ND	F1	2.0	0.70	ug/L			06/01/23 17:41	1
trans-1,3-Dichloropropene	ND	F1	1.0	0.20	ug/L			06/01/23 17:41	1
Trichloroethene	ND	F1	1.0	0.30	ug/L			06/01/23 17:41	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			06/01/23 17:41	1
Vinyl chloride	ND		1.0	0.20	ug/L			06/01/23 17:41	1
Xylenes, Total	ND	F1	1.0	0.40	ug/L			06/01/23 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*06/01/23 17:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*06/01/23 17:41*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*06/01/23 17:41*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/01/23 17:41*	*1*

Surrogate Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

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

Matrix: Groundwater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DCA	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-127780-1	MW-187A	96	98	95	106
410-127780-2	MW-187B	101	102	100	104
410-127780-3	MW-187C	99	102	100	104
410-127780-4	MW-54B	99	101	100	105
410-127780-5	MW-54C H/S-210	99	103	102	105
410-127780-6	MW-54C H/S-298	99	101	99	105
410-127780-6 - DL	MW-54C H/S-298	98	102	103	104
410-127780-7	MW-38C	98	105	103	104
410-127780-8	MW-178C	96	105	103	103
410-127780-8 MS	MW-178C	96	101	99	105
410-127780-8 MSD	MW-178C	98	100	98	106

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DCA	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
LCS 410-381839/4	Lab Control Sample	98	100	96	104
MB 410-381839/6	Method Blank	100	103	100	104

Surrogate Legend

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

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

Lab Sample ID: MB 410-381839/6
Matrix: Water
Analysis Batch: 381839

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 10:52	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 10:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/01/23 10:52	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/01/23 10:52	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 10:52	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 10:52	1
1,1-Dichloropropene	ND		5.0	0.30	ug/L			06/01/23 10:52	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			06/01/23 10:52	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			06/01/23 10:52	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 10:52	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			06/01/23 10:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/01/23 10:52	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/01/23 10:52	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/01/23 10:52	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/01/23 10:52	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 10:52	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			06/01/23 10:52	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/01/23 10:52	1
1,3-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 10:52	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/01/23 10:52	1
2,2-Dichloropropane	ND		1.0	0.30	ug/L			06/01/23 10:52	1
2-Butanone	ND		10	0.50	ug/L			06/01/23 10:52	1
2-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 10:52	1
2-Hexanone	ND		10	0.85	ug/L			06/01/23 10:52	1
4-Chlorotoluene	ND		5.0	0.30	ug/L			06/01/23 10:52	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/01/23 10:52	1
Acetone	ND		20	0.70	ug/L			06/01/23 10:52	1
Benzene	ND		1.0	0.30	ug/L			06/01/23 10:52	1
Bromobenzene	ND		5.0	0.30	ug/L			06/01/23 10:52	1
Bromochloromethane	ND		5.0	0.20	ug/L			06/01/23 10:52	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/01/23 10:52	1
Bromoform	ND		4.0	1.0	ug/L			06/01/23 10:52	1
Bromomethane	ND		1.0	0.30	ug/L			06/01/23 10:52	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/01/23 10:52	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/01/23 10:52	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/01/23 10:52	1
Chloroethane	ND		1.0	0.20	ug/L			06/01/23 10:52	1
Chloroform	ND		1.0	0.30	ug/L			06/01/23 10:52	1
Chloromethane	ND		2.0	0.55	ug/L			06/01/23 10:52	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/01/23 10:52	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 10:52	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/01/23 10:52	1
Dibromomethane	ND		1.0	0.30	ug/L			06/01/23 10:52	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			06/01/23 10:52	1
di-Isopropyl ether	ND		1.0	0.30	ug/L			06/01/23 10:52	1
Tert-butyl ethyl ether	ND		1.0	0.30	ug/L			06/01/23 10:52	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/01/23 10:52	1
Hexachlorobutadiene	ND		5.0	2.0	ug/L			06/01/23 10:52	1

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

Lab Sample ID: MB 410-381839/6
Matrix: Water
Analysis Batch: 381839

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.0	0.20	ug/L			06/01/23 10:52	1
m&p-Xylene	ND		5.0	2.0	ug/L			06/01/23 10:52	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/01/23 10:52	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/01/23 10:52	1
Naphthalene	ND		5.0	1.0	ug/L			06/01/23 10:52	1
n-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 10:52	1
n-Hexane	ND		5.0	2.0	ug/L			06/01/23 10:52	1
N-Propylbenzene	ND		5.0	0.30	ug/L			06/01/23 10:52	1
o-Xylene	ND		1.0	0.40	ug/L			06/01/23 10:52	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			06/01/23 10:52	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 10:52	1
Styrene	ND		5.0	0.30	ug/L			06/01/23 10:52	1
Tert-amyl methyl ether	ND		5.0	0.80	ug/L			06/01/23 10:52	1
t-Butyl alcohol	ND		50	12	ug/L			06/01/23 10:52	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			06/01/23 10:52	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/01/23 10:52	1
Toluene	ND		1.0	0.20	ug/L			06/01/23 10:52	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/01/23 10:52	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/01/23 10:52	1
Trichloroethene	ND		1.0	0.30	ug/L			06/01/23 10:52	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			06/01/23 10:52	1
Vinyl chloride	ND		1.0	0.20	ug/L			06/01/23 10:52	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/01/23 10:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/01/23 10:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*06/01/23 10:52*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/01/23 10:52*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/01/23 10:52*	*1*

Lab Sample ID: LCS 410-381839/4
Matrix: Water
Analysis Batch: 381839

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.1		ug/L		96	78 - 120
1,1,1-Trichloroethane	20.0	16.4		ug/L		82	67 - 126
1,1,2,2-Tetrachloroethane	20.0	18.0		ug/L		90	72 - 120
1,1,2-Trichloroethane	20.0	18.2		ug/L		91	80 - 120
1,1-Dichloroethane	20.0	17.3		ug/L		86	80 - 120
1,1-Dichloroethene	20.0	16.0		ug/L		80	80 - 131
1,1-Dichloropropene	20.0	17.3		ug/L		87	78 - 120
1,2,3-Trichlorobenzene	20.0	19.6		ug/L		98	66 - 120
1,2,3-Trichloropropane	20.0	17.2		ug/L		86	75 - 124
1,2,4-Trichlorobenzene	20.0	19.6		ug/L		98	63 - 120
1,2,4-Trimethylbenzene	20.0	18.1		ug/L		90	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.7		ug/L		84	47 - 131
1,2-Dibromoethane	20.0	17.1		ug/L		86	77 - 120

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

Lab Sample ID: LCS 410-381839/4
Matrix: Water
Analysis Batch: 381839

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	20.0	17.9		ug/L		89	80 - 120
1,2-Dichloroethane	20.0	17.3		ug/L		86	73 - 124
1,2-Dichloropropane	20.0	18.0		ug/L		90	80 - 120
1,3,5-Trimethylbenzene	20.0	18.1		ug/L		90	75 - 120
1,3-Dichlorobenzene	20.0	17.5		ug/L		87	80 - 120
1,3-Dichloropropane	20.0	18.2		ug/L		91	80 - 120
1,4-Dichlorobenzene	20.0	18.5		ug/L		92	80 - 120
2,2-Dichloropropane	20.0	16.1		ug/L		80	55 - 142
2-Butanone	250	205		ug/L		82	59 - 135
2-Chlorotoluene	20.0	17.9		ug/L		90	80 - 120
2-Hexanone	250	222		ug/L		89	56 - 135
4-Chlorotoluene	20.0	17.5		ug/L		87	80 - 120
4-Methyl-2-pentanone	250	220		ug/L		88	62 - 133
Acetone	250	235		ug/L		94	54 - 157
Benzene	20.0	18.1		ug/L		91	80 - 120
Bromobenzene	20.0	17.9		ug/L		89	80 - 120
Bromochloromethane	20.0	17.4		ug/L		87	80 - 120
Bromodichloromethane	20.0	17.8		ug/L		89	71 - 120
Bromoform	20.0	17.5		ug/L		87	51 - 120
Bromomethane	20.0	13.3		ug/L		66	53 - 128
Carbon disulfide	20.0	15.9		ug/L		79	65 - 128
Carbon tetrachloride	20.0	16.6		ug/L		83	64 - 134
Chlorobenzene	20.0	17.8		ug/L		89	80 - 120
Chloroethane	20.0	13.7		ug/L		68	55 - 123
Chloroform	20.0	17.2		ug/L		86	80 - 120
Chloromethane	20.0	13.1		ug/L		66	56 - 121
cis-1,2-Dichloroethene	20.0	17.3		ug/L		87	80 - 125
cis-1,3-Dichloropropene	20.0	17.0		ug/L		85	75 - 120
Dibromochloromethane	20.0	18.4		ug/L		92	71 - 120
Dibromomethane	20.0	17.3		ug/L		87	80 - 120
Dichlorodifluoromethane	20.0	10.6		ug/L		53	41 - 127
di-Isopropyl ether	20.0	17.6		ug/L		88	70 - 124
Tert-butyl ethyl ether	20.0	16.2		ug/L		81	68 - 121
Ethylbenzene	20.0	18.1		ug/L		91	80 - 120
Hexachlorobutadiene	20.0	19.6		ug/L		98	63 - 120
Isopropylbenzene	20.0	18.2		ug/L		91	80 - 120
m&p-Xylene	40.0	36.2		ug/L		90	80 - 120
Methyl tertiary butyl ether	20.0	15.4		ug/L		77	69 - 122
Methylene Chloride	20.0	16.4		ug/L		82	80 - 120
Naphthalene	20.0	17.7		ug/L		89	53 - 124
n-Butylbenzene	20.0	17.9		ug/L		90	76 - 120
n-Hexane	20.0	14.9		ug/L		74	61 - 138
N-Propylbenzene	20.0	18.4		ug/L		92	79 - 121
o-Xylene	20.0	18.0		ug/L		90	80 - 120
p-Isopropyltoluene	20.0	18.0		ug/L		90	76 - 120
sec-Butylbenzene	20.0	17.9		ug/L		89	77 - 120
Styrene	20.0	17.7		ug/L		88	80 - 120
Tert-amyl methyl ether	20.0	16.4		ug/L		82	66 - 120
t-Butyl alcohol	200	167		ug/L		83	60 - 130

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

Lab Sample ID: LCS 410-381839/4
Matrix: Water
Analysis Batch: 381839

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
tert-Butylbenzene			20.0	17.6		ug/L		88	78 - 120		
Tetrachloroethene			20.0	17.7		ug/L		89	80 - 120		
Toluene			20.0	18.2		ug/L		91	80 - 120		
trans-1,2-Dichloroethene			20.0	16.8		ug/L		84	80 - 126		
trans-1,3-Dichloropropene			20.0	17.4		ug/L		87	67 - 120		
Trichloroethene			20.0	17.0		ug/L		85	80 - 120		
Trichlorofluoromethane			20.0	12.2		ug/L		61	55 - 135		
Vinyl chloride			20.0	12.6		ug/L		63	56 - 120		
Xylenes, Total			60.0	54.2		ug/L		90	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 410-127780-8 MS
Matrix: Groundwater
Analysis Batch: 381839

Client Sample ID: MW-178C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1,2-Tetrachloroethane	ND		20.0	16.7		ug/L		84	78 - 120		
1,1,1-Trichloroethane	ND		20.0	15.0		ug/L		75	67 - 126		
1,1,2,2-Tetrachloroethane	ND	F1	20.0	14.6		ug/L		73	72 - 120		
1,1,2-Trichloroethane	ND	F1	20.0	14.9	F1	ug/L		75	80 - 120		
1,1-Dichloroethane	ND	F1	20.0	14.9	F1	ug/L		75	80 - 120		
1,1-Dichloroethene	ND	F1	20.0	15.3	F1	ug/L		77	80 - 131		
1,1-Dichloropropene	ND	F1	20.0	15.6		ug/L		78	78 - 120		
1,2,3-Trichlorobenzene	ND		20.0	15.9		ug/L		79	66 - 120		
1,2,3-Trichloropropane	ND	F1	20.0	14.5	F1	ug/L		72	75 - 124		
1,2,4-Trichlorobenzene	ND		20.0	15.3		ug/L		77	63 - 120		
1,2,4-Trimethylbenzene	ND	F1	20.0	15.4		ug/L		77	75 - 120		
1,2-Dibromo-3-Chloropropane	ND		20.0	13.6		ug/L		68	47 - 131		
1,2-Dibromoethane	ND	F1	20.0	13.9	F1	ug/L		69	77 - 120		
1,2-Dichlorobenzene	ND	F1	20.0	15.2	F1	ug/L		76	80 - 120		
1,2-Dichloroethane	ND	F1	20.0	14.3	F1	ug/L		71	73 - 124		
1,2-Dichloropropane	ND	F1	20.0	15.0	F1	ug/L		75	80 - 120		
1,3,5-Trimethylbenzene	ND	F1	20.0	15.4		ug/L		77	75 - 120		
1,3-Dichlorobenzene	ND	F1	20.0	14.7	F1	ug/L		73	80 - 120		
1,3-Dichloropropane	ND	F1	20.0	14.8	F1	ug/L		74	80 - 120		
1,4-Dichlorobenzene	ND	F1	20.0	15.6	F1	ug/L		78	80 - 120		
2,2-Dichloropropane	ND		20.0	14.3		ug/L		72	55 - 142		
2-Butanone	ND	cn	250	170		ug/L		68	59 - 135		
2-Chlorotoluene	ND	F1	20.0	15.4	F1	ug/L		77	80 - 120		
2-Hexanone	ND	cn	250	183		ug/L		73	56 - 135		
4-Chlorotoluene	ND	F1	20.0	14.7	F1	ug/L		74	80 - 120		
4-Methyl-2-pentanone	ND		250	180		ug/L		72	62 - 133		
Acetone	ND		250	202		ug/L		81	54 - 157		

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

Lab Sample ID: 410-127780-8 MS
Matrix: Groundwater
Analysis Batch: 381839

Client Sample ID: MW-178C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND	F1	20.0	15.8	F1	ug/L		79	80 - 120
Bromobenzene	ND	F1	20.0	14.7	F1	ug/L		73	80 - 120
Bromochloromethane	ND	F1	20.0	14.9	F1	ug/L		74	80 - 120
Bromodichloromethane	ND	F1	20.0	14.5		ug/L		73	71 - 120
Bromoform	ND		20.0	14.0		ug/L		70	51 - 120
Bromomethane	ND		20.0	12.4		ug/L		62	53 - 128
Carbon disulfide	ND		20.0	14.7		ug/L		73	65 - 128
Carbon tetrachloride	ND		20.0	15.6		ug/L		78	64 - 134
Chlorobenzene	ND	F1	20.0	15.0	F1	ug/L		75	80 - 120
Chloroethane	ND		20.0	12.9		ug/L		64	55 - 123
Chloroform	ND	F1	20.0	15.0	F1	ug/L		75	80 - 120
Chloromethane	ND	F1	20.0	12.2		ug/L		61	56 - 121
cis-1,2-Dichloroethene	ND	F1	20.0	15.2	F1	ug/L		76	80 - 125
cis-1,3-Dichloropropene	ND	F1	20.0	12.5	F1	ug/L		63	75 - 120
Dibromochloromethane	ND		20.0	15.1		ug/L		76	71 - 120
Dibromomethane	ND	F1	20.0	14.5	F1	ug/L		72	80 - 120
Dichlorodifluoromethane	ND		20.0	12.7		ug/L		64	41 - 127
di-Isopropyl ether	0.58	J F1	20.0	14.7		ug/L		71	70 - 124
Tert-butyl ethyl ether	1.6	F1	20.0	14.9	F1	ug/L		66	68 - 121
Ethylbenzene	ND	F1	20.0	15.6	F1	ug/L		78	80 - 120
Hexachlorobutadiene	ND		20.0	17.1		ug/L		85	63 - 120
Isopropylbenzene	ND	F1	20.0	16.3		ug/L		82	80 - 120
m&p-Xylene	ND	F1	40.0	31.3	F1	ug/L		78	80 - 120
Methyl tertiary butyl ether	34	F1	20.0	48.1		ug/L		70	69 - 122
Methylene Chloride	ND	F1	20.0	14.4	F1	ug/L		72	80 - 120
Naphthalene	ND		20.0	14.2		ug/L		71	53 - 124
n-Butylbenzene	ND	F1	20.0	15.7		ug/L		79	76 - 120
n-Hexane	ND		20.0	15.4		ug/L		77	61 - 138
N-Propylbenzene	ND	F1	20.0	15.8		ug/L		79	79 - 121
o-Xylene	ND	F1	20.0	15.4	F1	ug/L		77	80 - 120
p-Isopropyltoluene	ND		20.0	16.1		ug/L		81	76 - 120
sec-Butylbenzene	ND	F1	20.0	15.8		ug/L		79	77 - 120
Styrene	ND	F1	20.0	14.7	F1	ug/L		74	80 - 120
Tert-amyl methyl ether	2.2	J F1	20.0	15.7		ug/L		68	66 - 120
t-Butyl alcohol	51		200	191		ug/L		70	60 - 130
tert-Butylbenzene	ND	F1	20.0	15.1	F1	ug/L		76	78 - 120
Tetrachloroethene	ND	F1	20.0	16.5		ug/L		82	80 - 120
Toluene	ND	F1	20.0	15.7	F1	ug/L		79	80 - 120
trans-1,2-Dichloroethene	ND	F1	20.0	15.1	F1	ug/L		75	80 - 126
trans-1,3-Dichloropropene	ND	F1	20.0	13.1	F1	ug/L		66	67 - 120
Trichloroethene	ND	F1	20.0	14.7	F1	ug/L		74	80 - 120
Trichlorofluoromethane	ND		20.0	12.7		ug/L		64	55 - 135
Vinyl chloride	ND		20.0	12.7		ug/L		63	56 - 120
Xylenes, Total	ND	F1	60.0	46.7	F1	ug/L		78	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: 410-127780-8 MS
Matrix: Groundwater
Analysis Batch: 381839

Client Sample ID: MW-178C
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 410-127780-8 MSD
Matrix: Groundwater
Analysis Batch: 381839

Client Sample ID: MW-178C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		20.0	16.1		ug/L		81	78 - 120	4	30
1,1,1-Trichloroethane	ND		20.0	14.4		ug/L		72	67 - 126	5	30
1,1,2,2-Tetrachloroethane	ND	F1	20.0	13.9	F1	ug/L		69	72 - 120	5	30
1,1,2-Trichloroethane	ND	F1	20.0	14.1	F1	ug/L		71	80 - 120	5	30
1,1-Dichloroethane	ND	F1	20.0	14.4	F1	ug/L		72	80 - 120	4	30
1,1-Dichloroethene	ND	F1	20.0	14.3	F1	ug/L		72	80 - 131	7	30
1,1-Dichloropropene	ND	F1	20.0	14.9	F1	ug/L		74	78 - 120	5	30
1,2,3-Trichlorobenzene	ND		20.0	14.7		ug/L		74	66 - 120	8	30
1,2,3-Trichloropropane	ND	F1	20.0	14.1	F1	ug/L		70	75 - 124	3	30
1,2,4-Trichlorobenzene	ND		20.0	14.4		ug/L		72	63 - 120	6	30
1,2,4-Trimethylbenzene	ND	F1	20.0	14.7	F1	ug/L		73	75 - 120	5	30
1,2-Dibromo-3-Chloropropane	ND		20.0	13.5		ug/L		68	47 - 131	1	30
1,2-Dibromoethane	ND	F1	20.0	13.5	F1	ug/L		68	77 - 120	3	30
1,2-Dichlorobenzene	ND	F1	20.0	14.4	F1	ug/L		72	80 - 120	5	30
1,2-Dichloroethane	ND	F1	20.0	13.7	F1	ug/L		69	73 - 124	4	30
1,2-Dichloropropane	ND	F1	20.0	14.4	F1	ug/L		72	80 - 120	5	30
1,3,5-Trimethylbenzene	ND	F1	20.0	14.8	F1	ug/L		74	75 - 120	4	30
1,3-Dichlorobenzene	ND	F1	20.0	14.0	F1	ug/L		70	80 - 120	5	30
1,3-Dichloropropane	ND	F1	20.0	14.2	F1	ug/L		71	80 - 120	4	30
1,4-Dichlorobenzene	ND	F1	20.0	14.9	F1	ug/L		74	80 - 120	5	30
2,2-Dichloropropane	ND		20.0	13.7		ug/L		68	55 - 142	5	30
2-Butanone	ND	cn	250	169		ug/L		68	59 - 135	0	30
2-Chlorotoluene	ND	F1	20.0	14.8	F1	ug/L		74	80 - 120	4	30
2-Hexanone	ND	cn	250	183		ug/L		73	56 - 135	0	30
4-Chlorotoluene	ND	F1	20.0	14.5	F1	ug/L		73	80 - 120	1	30
4-Methyl-2-pentanone	ND		250	176		ug/L		71	62 - 133	2	30
Acetone	ND		250	191		ug/L		76	54 - 157	6	30
Benzene	ND	F1	20.0	15.1	F1	ug/L		75	80 - 120	5	30
Bromobenzene	ND	F1	20.0	13.9	F1	ug/L		70	80 - 120	5	30
Bromochloromethane	ND	F1	20.0	14.4	F1	ug/L		72	80 - 120	3	30
Bromodichloromethane	ND	F1	20.0	14.0	F1	ug/L		70	71 - 120	4	30
Bromoform	ND		20.0	13.3		ug/L		67	51 - 120	5	30
Bromomethane	ND		20.0	11.3		ug/L		56	53 - 128	10	30
Carbon disulfide	ND		20.0	14.0		ug/L		70	65 - 128	5	30
Carbon tetrachloride	ND		20.0	15.1		ug/L		76	64 - 134	3	30
Chlorobenzene	ND	F1	20.0	14.5	F1	ug/L		73	80 - 120	3	30
Chloroethane	ND		20.0	11.7		ug/L		58	55 - 123	9	30
Chloroform	ND	F1	20.0	14.4	F1	ug/L		72	80 - 120	4	30
Chloromethane	ND	F1	20.0	11.0	F1	ug/L		55	56 - 121	10	30
cis-1,2-Dichloroethene	ND	F1	20.0	14.6	F1	ug/L		73	80 - 125	4	30

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

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

Lab Sample ID: 410-127780-8 MSD
Matrix: Groundwater
Analysis Batch: 381839

Client Sample ID: MW-178C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND	F1	20.0	12.2	F1	ug/L		61	75 - 120	2	30
Dibromochloromethane	ND		20.0	14.6		ug/L		73	71 - 120	4	30
Dibromomethane	ND	F1	20.0	13.7	F1	ug/L		69	80 - 120	5	30
Dichlorodifluoromethane	ND		20.0	11.2		ug/L		56	41 - 127	13	30
di-Isopropyl ether	0.58	J F1	20.0	14.4	F1	ug/L		69	70 - 124	2	30
Tert-butyl ethyl ether	1.6	F1	20.0	14.4	F1	ug/L		64	68 - 121	4	30
Ethylbenzene	ND	F1	20.0	15.2	F1	ug/L		76	80 - 120	3	30
Hexachlorobutadiene	ND		20.0	15.7		ug/L		79	63 - 120	8	30
Isopropylbenzene	ND	F1	20.0	15.7	F1	ug/L		79	80 - 120	4	30
m&p-Xylene	ND	F1	40.0	30.8	F1	ug/L		77	80 - 120	2	30
Methyl tertiary butyl ether	34	F1	20.0	44.0	F1	ug/L		50	69 - 122	9	30
Methylene Chloride	ND	F1	20.0	13.7	F1	ug/L		68	80 - 120	5	30
Naphthalene	ND		20.0	13.6		ug/L		68	53 - 124	4	30
n-Butylbenzene	ND	F1	20.0	15.1	F1	ug/L		75	76 - 120	4	30
n-Hexane	ND		20.0	15.1		ug/L		75	61 - 138	2	30
N-Propylbenzene	ND	F1	20.0	15.0	F1	ug/L		75	79 - 121	5	30
o-Xylene	ND	F1	20.0	15.2	F1	ug/L		76	80 - 120	1	30
p-Isopropyltoluene	ND		20.0	15.2		ug/L		76	76 - 120	6	30
sec-Butylbenzene	ND	F1	20.0	15.1	F1	ug/L		75	77 - 120	5	30
Styrene	ND	F1	20.0	14.3	F1	ug/L		72	80 - 120	3	30
Tert-amyl methyl ether	2.2	J F1	20.0	15.0	F1	ug/L		64	66 - 120	5	30
t-Butyl alcohol	51		200	177		ug/L		63	60 - 130	8	30
tert-Butylbenzene	ND	F1	20.0	14.5	F1	ug/L		72	78 - 120	4	30
Tetrachloroethene	ND	F1	20.0	15.7	F1	ug/L		78	80 - 120	5	30
Toluene	ND	F1	20.0	15.3	F1	ug/L		77	80 - 120	3	30
trans-1,2-Dichloroethene	ND	F1	20.0	14.3	F1	ug/L		71	80 - 126	5	30
trans-1,3-Dichloropropene	ND	F1	20.0	12.7	F1	ug/L		63	67 - 120	3	30
Trichloroethene	ND	F1	20.0	14.2	F1	ug/L		71	80 - 120	4	30
Trichlorofluoromethane	ND		20.0	11.5		ug/L		57	55 - 135	10	30
Vinyl chloride	ND		20.0	11.3		ug/L		57	56 - 120	12	30
Xylenes, Total	ND	F1	60.0	46.0	F1	ug/L		77	80 - 120	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

QC Association Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

GC/MS VOA

Analysis Batch: 381839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-127780-1	MW-187A	Total/NA	Groundwater	8260C	
410-127780-2	MW-187B	Total/NA	Groundwater	8260C	
410-127780-3	MW-187C	Total/NA	Groundwater	8260C	
410-127780-4	MW-54B	Total/NA	Groundwater	8260C	
410-127780-5	MW-54C H/S-210	Total/NA	Groundwater	8260C	
410-127780-6	MW-54C H/S-298	Total/NA	Groundwater	8260C	
410-127780-6 - DL	MW-54C H/S-298	Total/NA	Groundwater	8260C	
410-127780-7	MW-38C	Total/NA	Groundwater	8260C	
410-127780-8	MW-178C	Total/NA	Groundwater	8260C	
MB 410-381839/6	Method Blank	Total/NA	Water	8260C	
LCS 410-381839/4	Lab Control Sample	Total/NA	Water	8260C	
410-127780-8 MS	MW-178C	Total/NA	Groundwater	8260C	
410-127780-8 MSD	MW-178C	Total/NA	Groundwater	8260C	

Lab Chronicle

Client: Kleinfelder Inc
Job ID: 410-127780-1
Project/Site: 2-8077 - Phoenix, MD

Client Sample ID: MW-187A
Lab Sample ID: 410-127780-1
Date Collected: 05/22/23 09:50
Matrix: Groundwater
Date Received: 05/23/23 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	381839	TQ4J	ELLE	06/01/23 14:19

Client Sample ID: MW-187B
Lab Sample ID: 410-127780-2
Date Collected: 05/22/23 09:55
Matrix: Groundwater
Date Received: 05/23/23 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	381839	TQ4J	ELLE	06/01/23 14:39

Client Sample ID: MW-187C
Lab Sample ID: 410-127780-3
Date Collected: 05/22/23 10:00
Matrix: Groundwater
Date Received: 05/23/23 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	381839	TQ4J	ELLE	06/01/23 14:59

Client Sample ID: MW-54B
Lab Sample ID: 410-127780-4
Date Collected: 05/22/23 11:00
Matrix: Groundwater
Date Received: 05/23/23 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	381839	TQ4J	ELLE	06/01/23 15:40

Client Sample ID: MW-54C H/S-210
Lab Sample ID: 410-127780-5
Date Collected: 05/22/23 11:15
Matrix: Groundwater
Date Received: 05/23/23 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		5	381839	TQ4J	ELLE	06/01/23 16:00

Client Sample ID: MW-54C H/S-298
Lab Sample ID: 410-127780-6
Date Collected: 05/22/23 11:25
Matrix: Groundwater
Date Received: 05/23/23 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	381839	TQ4J	ELLE	06/01/23 16:41
Total/NA	Analysis	8260C	DL	10	381839	TQ4J	ELLE	06/01/23 17:01

Client Sample ID: MW-38C
Lab Sample ID: 410-127780-7
Date Collected: 05/22/23 12:00
Matrix: Groundwater
Date Received: 05/23/23 16:23

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	381839	TQ4J	ELLE	06/01/23 17:21

Lab Chronicle

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Client Sample ID: MW-178C
Date Collected: 05/22/23 12:25
Date Received: 05/23/23 16:23

Lab Sample ID: 410-127780-8
Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	381839	TQ4J	ELLE	06/01/23 17:41

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Groundwater	1,1,1,2-Tetrachloroethane
8260C		Groundwater	1,1,1-Trichloroethane
8260C		Groundwater	1,1,2,2-Tetrachloroethane
8260C		Groundwater	1,1,2-Trichloroethane
8260C		Groundwater	1,1-Dichloroethane
8260C		Groundwater	1,1-Dichloroethene
8260C		Groundwater	1,1-Dichloropropene
8260C		Groundwater	1,2,3-Trichlorobenzene
8260C		Groundwater	1,2,3-Trichloropropane
8260C		Groundwater	1,2,4-Trichlorobenzene
8260C		Groundwater	1,2,4-Trimethylbenzene
8260C		Groundwater	1,2-Dibromo-3-Chloropropane
8260C		Groundwater	1,2-Dibromoethane
8260C		Groundwater	1,2-Dichlorobenzene
8260C		Groundwater	1,2-Dichloroethane
8260C		Groundwater	1,2-Dichloropropane
8260C		Groundwater	1,3,5-Trimethylbenzene
8260C		Groundwater	1,3-Dichlorobenzene
8260C		Groundwater	1,3-Dichloropropane
8260C		Groundwater	1,4-Dichlorobenzene
8260C		Groundwater	2,2-Dichloropropane
8260C		Groundwater	2-Butanone
8260C		Groundwater	2-Chlorotoluene
8260C		Groundwater	2-Hexanone
8260C		Groundwater	4-Chlorotoluene
8260C		Groundwater	4-Methyl-2-pentanone
8260C		Groundwater	Acetone
8260C		Groundwater	Benzene
8260C		Groundwater	Bromobenzene
8260C		Groundwater	Bromochloromethane
8260C		Groundwater	Bromodichloromethane
8260C		Groundwater	Bromoform
8260C		Groundwater	Bromomethane
8260C		Groundwater	Carbon disulfide
8260C		Groundwater	Carbon tetrachloride
8260C		Groundwater	Chlorobenzene
8260C		Groundwater	Chloroethane
8260C		Groundwater	Chloroform
8260C		Groundwater	Chloromethane
8260C		Groundwater	cis-1,2-Dichloroethene
8260C		Groundwater	cis-1,3-Dichloropropene
8260C		Groundwater	Dibromochloromethane
8260C		Groundwater	Dibromomethane
8260C		Groundwater	Dichlorodifluoromethane
8260C		Groundwater	di-Isopropyl ether

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Groundwater	Ethylbenzene
8260C		Groundwater	Hexachlorobutadiene
8260C		Groundwater	Isopropylbenzene
8260C		Groundwater	m&p-Xylene
8260C		Groundwater	Methyl tertiary butyl ether
8260C		Groundwater	Methylene Chloride
8260C		Groundwater	Naphthalene
8260C		Groundwater	n-Butylbenzene
8260C		Groundwater	n-Hexane
8260C		Groundwater	N-Propylbenzene
8260C		Groundwater	o-Xylene
8260C		Groundwater	p-Isopropyltoluene
8260C		Groundwater	sec-Butylbenzene
8260C		Groundwater	Styrene
8260C		Groundwater	t-Butyl alcohol
8260C		Groundwater	Tert-amyl methyl ether
8260C		Groundwater	Tert-butyl ethyl ether
8260C		Groundwater	tert-Butylbenzene
8260C		Groundwater	Tetrachloroethene
8260C		Groundwater	Toluene
8260C		Groundwater	trans-1,2-Dichloroethene
8260C		Groundwater	trans-1,3-Dichloropropene
8260C		Groundwater	Trichloroethene
8260C		Groundwater	Trichlorofluoromethane
8260C		Groundwater	Vinyl chloride
8260C		Groundwater	Xylenes, Total

Method Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-127780-1

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

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Lancaster Laboratories

CHAIN

Eurofins Lancaster Labora
2425

410-127780 Chain of Custody

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il Projects Drop Box - MW PAGE ___ OF ___

FED-EX Tracking # Bottle Order Control #

Lancaster Quote # Lancaster Job #

Client / Reporting Information

mpany Name: Kleinfelder

et Address: 1745 Dorsey Road, Suite J

y State Zip: Hanover, MD 21076

ject Contact E-mail: Mark Schaaf

one # Fax #: 410-850-0404 410-850-0049

mpler(s) Name(s) Phone #: Joe Frascarolla 301-385-0957

SITE NAME - Provide Site Name for Retail or AFE Number for Major Projects

Retail Project (Site Name): Exxon - Phoenix 28077

Major Project (AFE):

Project Name: 14258 Jarrettsville Pike

City: Phoenix State: MD

ExxonMobil Manager: John Lee

ExxonMobil Purchase Order #: Direct Bill to Exxon Mobil

ExxonMobil Environmental Services Co.

If Project is Direct Bill to Consultant

Company Name

Street Address

City State Zip

Attention PO#

Requested Analysis (see TEST CODE sheet)

MTBE, BTEX, ETBE, TAME, DIPE, TBA by EPA 8260B

Full List VOCs + Oxy5 by 8260

Matrix Code

DW - Drinking Wa
GW - Ground Wa
WW - Water
SW - Surface Wa
SO - Soil
SL- Sludge
SED-Sedimer
OI - Oil
LIQ - Other Liquic
AIR - Air
SOL - Other Soi
WP - Wipe
FB-Fiel
Blank

caster mple #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONL
	MW-187A		5/22/23	9:50	JF	GW	3	X								
	MW-187B		5/22/23	9:55	JF	GW	3	X								
	MW-187C		5/22/23	10:00	JF	GW	3	X								
	MW-54B		5/22/23	11:00	JF	GW	3	X								
	MW-54C H/S-210		5/22/23	11:15	JF	GW	3	X								
	MW-54C H/S-298		5/22/23	11:25	JF	GW	3	X								
	MW-38C		5/22/23	12:00	JF	GW	3	X								
	MW-178C		5/22/23	12:25	JF	GW	3	X								

Data Deliverable Information

Comments / Special Instructions

Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] 8 Day *RUSH*
- [ ] 6 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

- [X] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

DROP BOX - MW

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	5/23/23 8:30	1 Cooler Room	2 Cooler Room	5/23/23	2
	5/23/23 11:40	3	4		4 5.23.23 COL
	5/23/23 16:23	5			

Custody Seal # N/A Intact Not intact Preserved where applicable On Ice Cooler Temp. 2.4/2.7

16:23

Login Sample Receipt Checklist

Client: Kleinfelder Inc

Job Number: 410-127780-1

Login Number: 127780

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Wrye, Shaun

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Definitions/Glossary

Client: Kleinfelder Inc
Job ID: 410-127780-1
Project/Site: 2-8077 - Phoenix, MD

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mark Schaaf
Kleinfelder Inc
1745 Dorsey Road
Suite J
Hanover, Maryland 21076

Generated 3/6/2023 6:12:24 AM

JOB DESCRIPTION

2-8077 - Phoenix, MD

JOB NUMBER

410-116148-1

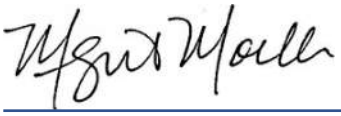
Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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3/6/2023 6:12:24 AM

Authorized for release by
Megan Moeller, Client Services Manager
Megan.Moeller@et.eurofinsus.com
(717)556-7261

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

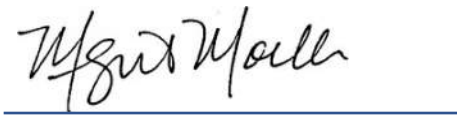


Table of Contents

Sample Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116148-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-116148-1	LGACEFF01	Groundwater	02/20/23 09:30	02/20/23 16:22
410-116148-2	LGACMID01	Groundwater	02/20/23 14:30	02/20/23 16:22
410-116148-3	LGACINF01	Groundwater	02/20/23 09:35	02/20/23 16:22

Job ID: 410-116148-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-116148-1

Receipt
The samples were received on 2/20/2023 4:22 PM. 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 1.3°C

Receipt Exceptions
A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA
Method 8260C_UST: The continuing calibration verification (CCV) analyzed on 410-349967 is compliant under 8260C/D method criteria for Ethylbenzene . The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

Method 8260C_UST: The continuing calibration verification (CCV) associated with batch 410-349967 recovered above the upper control limit for Xylenes, Total. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

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

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

Detection Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116148-1

Client Sample ID: LGACEFF01 — Lab Sample ID: 410-116148-1

No Detections.

Client Sample ID: LGACMID01 — Lab Sample ID: 410-116148-2

No Detections.

Client Sample ID: LGACINF01 — Lab Sample ID: 410-116148-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	27		1.0	0.20	ug/L	1		8260C/UST	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116148-1

Client Sample ID: LGACEFF01
Date Collected: 02/20/23 09:30
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116148-1
Matrix: Groundwater

Method: SW846 8260C/UST - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			03/03/23 14:32	1
Naphthalene	ND		5.0	1.0	ug/L			03/03/23 14:32	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/03/23 14:32	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/03/23 14:32	1
Toluene	ND		1.0	0.30	ug/L			03/03/23 14:32	1
Xylenes, Total	ND	cn	6.0	1.4	ug/L			03/03/23 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*03/03/23 14:32*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/03/23 14:32*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*03/03/23 14:32*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/03/23 14:32*	*1*

Method: SW846 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		50	23	ug/L			02/23/23 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*98*		*63 - 135*		*02/23/23 19:45*	*1*

Method: SW846 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	ND		110	57	ug/L		02/24/23 07:01	02/24/23 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr) (1C)	*122*		*37 - 153*	*02/24/23 07:01*	*02/24/23 23:23*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116148-1

Client Sample ID: LGACMID01
Date Collected: 02/20/23 14:30
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116148-2
Matrix: Groundwater

Method: SW846 8260C/UST - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			03/03/23 15:43	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/03/23 15:43	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/03/23 15:43	1
Toluene	ND		1.0	0.30	ug/L			03/03/23 15:43	1
Xylenes, Total	ND	cn	6.0	1.4	ug/L			03/03/23 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*03/03/23 15:43*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/03/23 15:43*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*03/03/23 15:43*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/03/23 15:43*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116148-1

Client Sample ID: LGACINF01
Date Collected: 02/20/23 09:35
Date Received: 02/20/23 16:22

Lab Sample ID: 410-116148-3
Matrix: Groundwater

Method: SW846 8260C/UST - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			03/03/23 16:11	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/03/23 16:11	1
Methyl tertiary butyl ether	**27**		1.0	0.20	ug/L			03/03/23 16:11	1
Toluene	ND		1.0	0.30	ug/L			03/03/23 16:11	1
Xylenes, Total	ND	cn	6.0	1.4	ug/L			03/03/23 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*03/03/23 16:11*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*03/03/23 16:11*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*03/03/23 16:11*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/03/23 16:11*	*1*

Surrogate Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116148-1

Method: 8260C/UST - Volatile Organic Compounds (GC/MS)

Matrix: Groundwater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-116148-1	LGACEFF01	100	93	99	98
410-116148-1 MS	LGACEFF01	101	97	97	99
410-116148-1 MSD	LGACEFF01	101	97	97	100
410-116148-2	LGACMID01	100	93	99	99
410-116148-3	LGACINF01	101	93	100	99

Surrogate Legend

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

Method: 8260C/UST - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
LCS 410-349967/4	Lab Control Sample	102	98	99	100
LCSD 410-349967/5	Lab Control Sample Dup	101	98	98	100
MB 410-349967/6	Method Blank	100	94	100	99

Surrogate Legend

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

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Matrix: Groundwater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1
Lab Sample ID	Client Sample ID	(63-135)
410-116148-1	LGACEFF01	98

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1
Lab Sample ID	Client Sample ID	(63-135)
LCS 410-347454/6	Lab Control Sample	85
LCSD 410-347454/7	Lab Control Sample Dup	83
MB 410-347454/5	Method Blank	97

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Surrogate Summary

Client: Kleinfelder Inc
Job ID: 410-116148-1
Project/Site: 2-8077 - Phoenix, MD

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Matrix: Groundwater **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		OTP1								
Lab Sample ID	Client Sample ID	(37-153)								
410-116148-1	LGACEFF01	122								
410-116148-1 MS	LGACEFF01	130								
410-116148-1 MSD	LGACEFF01	128								

Surrogate Legend

OTP = o- terphenyl (Surr)

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		OTP1								
Lab Sample ID	Client Sample ID	(37-153)								
LCS 410-347622/2-A	Lab Control Sample	131								
LCSD 410-347622/20-A	Lab Control Sample Dup	129								
MB 410-347622/1-A	Method Blank	128								

Surrogate Legend

OTP = o- terphenyl (Surr)

Method: 8260C/UST - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-349967/6
Matrix: Water
Analysis Batch: 349967

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			03/03/23 14:08	1
Naphthalene	ND		5.0	1.0	ug/L			03/03/23 14:08	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/03/23 14:08	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/03/23 14:08	1
Toluene	ND		1.0	0.30	ug/L			03/03/23 14:08	1
Xylenes, Total	ND		6.0	1.4	ug/L			03/03/23 14:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*03/03/23 14:08*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/03/23 14:08*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*03/03/23 14:08*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/03/23 14:08*	*1*

Lab Sample ID: LCS 410-349967/4
Matrix: Water
Analysis Batch: 349967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	20.2		ug/L		101	80 - 120		
Naphthalene			20.0	18.0		ug/L		90	53 - 124		
Ethylbenzene			20.0	20.2		ug/L		101	80 - 120		
Methyl tertiary butyl ether			20.0	18.7		ug/L		93	69 - 122		
Toluene			20.0	20.3		ug/L		102	80 - 120		
Xylenes, Total			60.0	61.5		ug/L		103	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 410-349967/5
Matrix: Water
Analysis Batch: 349967

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			20.0	19.4		ug/L		97	80 - 120	4	30
Naphthalene			20.0	18.1		ug/L		90	53 - 124	0	30
Ethylbenzene			20.0	19.6		ug/L		98	80 - 120	3	30
Methyl tertiary butyl ether			20.0	18.4		ug/L		92	69 - 122	1	30
Toluene			20.0	19.6		ug/L		98	80 - 120	3	30
Xylenes, Total			60.0	59.8		ug/L		100	80 - 120	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*98*		*80 - 120*

Method: 8260C/UST - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-349967/5
Matrix: Water
Analysis Batch: 349967

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 410-116148-1 MS
Matrix: Groundwater
Analysis Batch: 349967

Client Sample ID: LGACEFF01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		20.0	23.0		ug/L		115	80 - 120
Naphthalene	ND		20.0	19.2		ug/L		96	53 - 124
Ethylbenzene	ND	cn	20.0	23.1		ug/L		116	80 - 120
Methyl tertiary butyl ether	ND		20.0	19.7		ug/L		98	69 - 122
Toluene	ND		20.0	22.8		ug/L		114	80 - 120
Xylenes, Total	ND	cn	60.0	70.2		ug/L		117	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 410-116148-1 MSD
Matrix: Groundwater
Analysis Batch: 349967

Client Sample ID: LGACEFF01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		20.0	23.0		ug/L		115	80 - 120	0	30
Naphthalene	ND		20.0	19.1		ug/L		95	53 - 124	0	30
Ethylbenzene	ND	cn	20.0	23.1		ug/L		116	80 - 120	0	30
Methyl tertiary butyl ether	ND		20.0	19.8		ug/L		99	69 - 122	1	30
Toluene	ND		20.0	22.8		ug/L		114	80 - 120	0	30
Xylenes, Total	ND	cn	60.0	69.9		ug/L		117	80 - 120	0	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Lab Sample ID: MB 410-347454/5
Matrix: Water
Analysis Batch: 347454

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		50	23	ug/L			02/23/23 17:10	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics) (Continued)

Lab Sample ID: MB 410-347454/5
Matrix: Water
Analysis Batch: 347454

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	97		63 - 135		02/23/23 17:10	1

Lab Sample ID: LCS 410-347454/6
Matrix: Water
Analysis Batch: 347454

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
GRO (1C)			1100	1050		ug/L		95	70 - 123		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene (fid) (1C)	85		63 - 135

Lab Sample ID: LCSD 410-347454/7
Matrix: Water
Analysis Batch: 347454

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)			1100	1060		ug/L		96	70 - 123	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene (fid) (1C)	83		63 - 135

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Lab Sample ID: MB 410-347622/1-A
Matrix: Water
Analysis Batch: 347824

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 347622

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	ND		110	56	ug/L		02/24/23 07:01	02/24/23 16:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o- terphenyl (Surr) (1C)	128		37 - 153	02/24/23 07:01	02/24/23 16:38	1

Lab Sample ID: LCS 410-347622/2-A
Matrix: Water
Analysis Batch: 347824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 347622

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
DRO (C10-C28) (1C)			2660	2660		ug/L		100	78 - 133		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o- terphenyl (Surr) (1C)	131		37 - 153

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) (Continued)

Lab Sample ID: LCSD 410-347622/20-A
Matrix: Water
Analysis Batch: 347824

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 347622

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28) (1C)			2690	2380		ug/L		89	78 - 133	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o- terphenyl (Surr) (1C)	*129*		*37 - 153*

Lab Sample ID: 410-116148-1 MS
Matrix: Groundwater
Analysis Batch: 347824

Client Sample ID: LGACEFF01
Prep Type: Total/NA
Prep Batch: 347622

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
DRO (C10-C28) (1C)	ND		2730	2890		ug/L		106	78 - 133		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o- terphenyl (Surr) (1C)	*130*		*37 - 153*

Lab Sample ID: 410-116148-1 MSD
Matrix: Groundwater
Analysis Batch: 347824

Client Sample ID: LGACEFF01
Prep Type: Total/NA
Prep Batch: 347622

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28) (1C)	ND		2750	3080		ug/L		112	78 - 133	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o- terphenyl (Surr) (1C)	*128*		*37 - 153*

QC Association Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-116148-1

GC/MS VOA

Analysis Batch: 349967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-116148-1	LGACEFF01	Total/NA	Groundwater	8260C/UST	
410-116148-2	LGACMID01	Total/NA	Groundwater	8260C/UST	
410-116148-3	LGACINF01	Total/NA	Groundwater	8260C/UST	
MB 410-349967/6	Method Blank	Total/NA	Water	8260C/UST	
LCS 410-349967/4	Lab Control Sample	Total/NA	Water	8260C/UST	
LCSD 410-349967/5	Lab Control Sample Dup	Total/NA	Water	8260C/UST	
410-116148-1 MS	LGACEFF01	Total/NA	Groundwater	8260C/UST	
410-116148-1 MSD	LGACEFF01	Total/NA	Groundwater	8260C/UST	

GC VOA

Analysis Batch: 347454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-116148-1	LGACEFF01	Total/NA	Groundwater	8015C	
MB 410-347454/5	Method Blank	Total/NA	Water	8015C	
LCS 410-347454/6	Lab Control Sample	Total/NA	Water	8015C	
LCSD 410-347454/7	Lab Control Sample Dup	Total/NA	Water	8015C	

GC Semi VOA

Prep Batch: 347622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-116148-1	LGACEFF01	Total/NA	Groundwater	3511	
MB 410-347622/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-347622/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-347622/20-A	Lab Control Sample Dup	Total/NA	Water	3511	
410-116148-1 MS	LGACEFF01	Total/NA	Groundwater	3511	
410-116148-1 MSD	LGACEFF01	Total/NA	Groundwater	3511	

Analysis Batch: 347824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-116148-1	LGACEFF01	Total/NA	Groundwater	8015C	347622
MB 410-347622/1-A	Method Blank	Total/NA	Water	8015C	347622
LCS 410-347622/2-A	Lab Control Sample	Total/NA	Water	8015C	347622
LCSD 410-347622/20-A	Lab Control Sample Dup	Total/NA	Water	8015C	347622
410-116148-1 MS	LGACEFF01	Total/NA	Groundwater	8015C	347622
410-116148-1 MSD	LGACEFF01	Total/NA	Groundwater	8015C	347622

Lab Chronicle

Client: Kleinfelder Inc
Job ID: 410-116148-1
Project/Site: 2-8077 - Phoenix, MD

Client Sample ID: LGACEFF01
Lab Sample ID: 410-116148-1
Date Collected: 02/20/23 09:30
Matrix: Groundwater
Date Received: 02/20/23 16:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C/UST		1	349967	MXX6	ELLE	03/03/23 14:32
Total/NA	Analysis	8015C		1	347454	B9BF	ELLE	02/23/23 19:45
Total/NA	Prep	3511			347622	UMAD	ELLE	02/24/23 07:01
Total/NA	Analysis	8015C		1	347824	UHEW	ELLE	02/24/23 23:23

Client Sample ID: LGACMID01
Lab Sample ID: 410-116148-2
Date Collected: 02/20/23 14:30
Matrix: Groundwater
Date Received: 02/20/23 16:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C/UST		1	349967	MXX6	ELLE	03/03/23 15:43

Client Sample ID: LGACINF01
Lab Sample ID: 410-116148-3
Date Collected: 02/20/23 09:35
Matrix: Groundwater
Date Received: 02/20/23 16:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C/UST		1	349967	MXX6	ELLE	03/03/23 16:11

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Kleinfelder Inc
Job ID: 410-116148-1
Project/Site: 2-8077 - Phoenix, MD

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015C		Groundwater	GRO (1C)
8015C	3511	Groundwater	DRO (C10-C28) (1C)
8260C/UST		Groundwater	Benzene
8260C/UST		Groundwater	Ethylbenzene
8260C/UST		Groundwater	Methyl tertiary butyl ether
8260C/UST		Groundwater	Naphthalene
8260C/UST		Groundwater	Toluene
8260C/UST		Groundwater	Xylenes, Total

Method Summary

Client: Kleinfelder Inc
Job ID: 410-116148-1
Project/Site: 2-8077 - Phoenix, MD

Method	Method Description	Protocol	Laboratory
8260C/UST	Volatile Organic Compounds (GC/MS)	SW846	ELLE
8015C	Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)	SW846	ELLE
8015C	Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Lancaster Laboratories

410-116148 Chain of Custody , 17605

Y- ExxonMobil Projects

Drop box - system

PAGE 1 OF ___

FED-EX Tracking #	Bottle Order Control #
Lancaster Quote #	Lancaster Job #

Client / Reporting Information

Company Name: Kleinfelder
Street Address: 1745 Dorsey Road, Suite J
City / State / Zip: Hanover, MD 21076
Project Contact / E-mail: Stacey Schiding
Phone # / Fax #: 410-850-0404 / 410-850-0049
Sampler(s) Name(s) / Phone #: Joe Frascarella 301-385-0957

SITE NAME - Provide Site Name for Retail or AFE Number for Major Projects

Retail Project (Site Name): Exxon - Phoenix 28077
Major Project (AFE):
Project Name: 14258 Jarrettsville Pike
City / State: Phoenix MD
ExxonMobil Manager: John Lee
ExxonMobil Purchase Order #: Direct Bill to Exxon Mobil

ExxonMobil Environmental Services Co.

If Project is Direct Bill to Consultant
Company Name:
Street Address:
City / State / Zip:
Attention: PO#

Requested Analysis (see TEST CODE sheet)

Lancaster sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	MTBE, BTEX by 8260B	TPH - GRO by 8015B	TPH - DRO by 8015B Microextraction	Naphthalene by 8260B
	LGACEFF01		2/20/23	930	JF	GW	9	X								X	X	X	X
	~~LGACMID01~~ LGACMID01		2/20/23	1430	JF	GW	3	X								X			
	LGACINF01		2/20/23	935	JF	GW	3	X								X			
	~~Trip Blank (TB)~~ JF																		

Matrix Codes

DW - Drinking Wat
GW - Ground Wat
WW - Water
SW - Surface Wat
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solic
WP - Wipe
FB-Field Blank

LAB USE ONL

Turnaround Time (Business days)

- [X] Std. 10 Business Days
- [ ] 8 Day *RUSH*
- [ ] 6 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Approved By (Lancaster PM): / Date:

Data Deliverable Information

- [x] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Joe Frascarella	2/20/23 15:00	1 2/20/23 15:00	2 2/20/23	16:22	2
Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	2/20/23	16:22 Received By: 4
Relinquished by:	Date Time:	Received By: 5	Custody Seal # N/A	Intact / Not intact	Preserved where applicable: X	On Ice: X	Cooler Temp. 1.3

(3) 90649
2/20/23
SW

temp - 1.3

KAL

Login Sample Receipt Checklist

Client: Kleinfelder Inc

Job Number: 410-116148-1

Login Number: 116148
List Number: 1
Creator: Wrye, Shaun

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Definitions/Glossary

Client: Kleinfelder Inc
Job ID: 410-116148-1
Project/Site: 2-8077 - Phoenix, MD

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mark Schaaf
Kleinfelder Inc
1745 Dorsey Road
Suite J
Hanover, Maryland 21076

Generated 5/4/2023 4:43:27 PM

JOB DESCRIPTION

2-8077 - Phoenix, MD

JOB NUMBER

410-124137-2

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

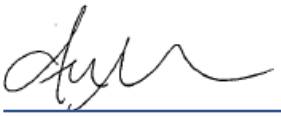
See page two for job notes and contact information.

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Ann-Marie Phillips, Project Management Assistant I
Ann-Marie.Phillips@et.eurofinsus.com
Designee for
Megan Moeller, Client Services Manager
Megan.Moeller@et.eurofinsus.com
(717)556-7261

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

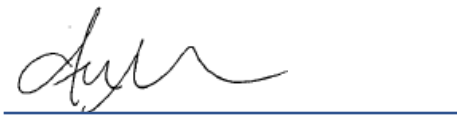


Table of Contents

Sample Summary

Client: Kleinfelder Inc
Job ID: 410-124137-2
Project/Site: 2-8077 - Phoenix, MD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-124137-9	LGACEFF01	Groundwater	04/24/23 15:00	04/25/23 17:05
410-124137-10	LGACMID01	Groundwater	04/24/23 15:10	04/25/23 17:05
410-124137-11	LGACINF01	Groundwater	04/24/23 15:15	04/25/23 17:05

Job ID: 410-124137-2

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-124137-2

Receipt
The samples were received on 4/25/2023 5:05 PM. 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 1.1°C

Receipt Exceptions
A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

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

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

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

Detection Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-2

Client Sample ID: LGACEFF01 — Lab Sample ID: 410-124137-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
DRO (C10-C28) (1C)	240		110	57	ug/L	1		8015C	Total/NA

Client Sample ID: LGACMID01 — Lab Sample ID: 410-124137-10

No Detections.

Client Sample ID: LGACINF01 — Lab Sample ID: 410-124137-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.96	J	1.0	0.20	ug/L	1		8260C/UST	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-2

Client Sample ID: LGACEFF01

Date Collected: 04/24/23 15:00
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-9

Matrix: Groundwater

Method: SW846 8260C/UST - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			05/01/23 16:12	1
Naphthalene	ND		5.0	1.0	ug/L			05/01/23 16:12	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/01/23 16:12	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/01/23 16:12	1
Toluene	ND		1.0	0.30	ug/L			05/01/23 16:12	1
Xylenes, Total	ND		6.0	1.4	ug/L			05/01/23 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/01/23 16:12*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/01/23 16:12*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*05/01/23 16:12*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/01/23 16:12*	*1*

Method: SW846 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		50	23	ug/L			04/27/23 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*100*		*63 - 135*		*04/27/23 20:55*	*1*

Method: SW846 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	**240**		110	57	ug/L		04/28/23 07:12	04/28/23 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr) (1C)	*128*		*37 - 153*	*04/28/23 07:12*	*04/28/23 22:48*	*1*

Client: Kleinfelder Inc
Job ID: 410-124137-2
Project/Site: 2-8077 - Phoenix, MD

Client Sample ID: LGACMID01
Lab Sample ID: 410-124137-10
Date Collected: 04/24/23 15:10
Matrix: Groundwater
Date Received: 04/25/23 17:05

Method: SW846 8260C/UST - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			05/01/23 16:36	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/01/23 16:36	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/01/23 16:36	1
Toluene	ND		1.0	0.30	ug/L			05/01/23 16:36	1
Xylenes, Total	ND		6.0	1.4	ug/L			05/01/23 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*		*05/01/23 16:36*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/01/23 16:36*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*05/01/23 16:36*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/01/23 16:36*	*1*

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-2

Client Sample ID: LGACINF01
Date Collected: 04/24/23 15:15
Date Received: 04/25/23 17:05

Lab Sample ID: 410-124137-11
Matrix: Groundwater

Method: SW846 8260C/UST - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			05/01/23 17:00	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/01/23 17:00	1
Methyl tertiary butyl ether	**0.96**	**J**	1.0	0.20	ug/L			05/01/23 17:00	1
Toluene	ND		1.0	0.30	ug/L			05/01/23 17:00	1
Xylenes, Total	ND		6.0	1.4	ug/L			05/01/23 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 120*		*05/01/23 17:00*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*05/01/23 17:00*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*05/01/23 17:00*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/01/23 17:00*	*1*

Surrogate Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-2

Method: 8260C/UST - Volatile Organic Compounds (GC/MS)

Matrix: Groundwater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-124137-9	LGACEFF01	100	98	108	98
410-124137-10	LGACMID01	100	98	107	98
410-124137-11	LGACINF01	97	100	106	99

Surrogate Legend

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

Method: 8260C/UST - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
LCS 410-370510/4	Lab Control Sample	100	101	105	100
LCSD 410-370510/5	Lab Control Sample Dup	98	101	104	99
MB 410-370510/6	Method Blank	98	99	105	100

Surrogate Legend

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

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Matrix: Groundwater — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1
Lab Sample ID	Client Sample ID	(63-135)
410-124137-9	LGACEFF01	100

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1
Lab Sample ID	Client Sample ID	(63-135)
LCS 410-369494/5	Lab Control Sample	92
LCSD 410-369494/6	Lab Control Sample Dup	92
MB 410-369494/4	Method Blank	101

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Surrogate Summary

Client: Kleinfelder Inc
Job ID: 410-124137-2
Project/Site: 2-8077 - Phoenix, MD

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Matrix: Groundwater **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		OTP1								
Lab Sample ID	Client Sample ID	(37-153)								
410-124137-9	LGACEFF01	128								
410-124137-9 MS	LGACEFF01	125								
410-124137-9 MSD	LGACEFF01	125								

Surrogate Legend

OTP = o- terphenyl (Surr)

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		OTP1								
Lab Sample ID	Client Sample ID	(37-153)								
LCS 410-369690/2-A	Lab Control Sample	129								
MB 410-369690/1-A	Method Blank	131								

Surrogate Legend

OTP = o- terphenyl (Surr)

Method: 8260C/UST - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-370510/6
Matrix: Water
Analysis Batch: 370510

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.30	ug/L			05/01/23 12:36	1
Naphthalene	ND		5.0	1.0	ug/L			05/01/23 12:36	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/01/23 12:36	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/01/23 12:36	1
Toluene	ND		1.0	0.30	ug/L			05/01/23 12:36	1
Xylenes, Total	ND		6.0	1.4	ug/L			05/01/23 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*		*05/01/23 12:36*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/01/23 12:36*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/01/23 12:36*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/01/23 12:36*	*1*

Lab Sample ID: LCS 410-370510/4
Matrix: Water
Analysis Batch: 370510

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	19.7		ug/L		98	80 - 120		
Naphthalene			20.0	19.0		ug/L		95	53 - 124		
Ethylbenzene			20.0	20.2		ug/L		101	80 - 120		
Methyl tertiary butyl ether			20.0	19.7		ug/L		98	69 - 122		
Toluene			20.0	20.0		ug/L		100	80 - 120		
Xylenes, Total			60.0	61.3		ug/L		102	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 410-370510/5
Matrix: Water
Analysis Batch: 370510

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			20.0	19.8		ug/L		99	80 - 120	0	30
Naphthalene			20.0	18.4		ug/L		92	53 - 124	3	30
Ethylbenzene			20.0	20.2		ug/L		101	80 - 120	0	30
Methyl tertiary butyl ether			20.0	19.5		ug/L		97	69 - 122	1	30
Toluene			20.0	19.8		ug/L		99	80 - 120	1	30
Xylenes, Total			60.0	61.2		ug/L		102	80 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*

Method: 8260C/UST - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 410-370510/5
Matrix: Water
Analysis Batch: 370510

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	99		80 - 120

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)

Lab Sample ID: MB 410-369494/4
Matrix: Water
Analysis Batch: 369494

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		50	23	ug/L			04/27/23 18:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	101		63 - 135		04/27/23 18:42	1

Lab Sample ID: LCS 410-369494/5
Matrix: Water
Analysis Batch: 369494

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
GRO (1C)			1100	1030		ug/L		94	70 - 123		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene (fid) (1C)	92		63 - 135

Lab Sample ID: LCSD 410-369494/6
Matrix: Water
Analysis Batch: 369494

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO (1C)			1100	1020		ug/L		93	70 - 123	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene (fid) (1C)	92		63 - 135

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Lab Sample ID: MB 410-369690/1-A
Matrix: Water
Analysis Batch: 370038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 369690

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28) (1C)	ND		110	56	ug/L		04/28/23 07:12	04/28/23 19:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o- terphenyl (Surr) (1C)	131		37 - 153	04/28/23 07:12	04/28/23 19:12	1

Method: 8015C - Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics) (Continued)

Lab Sample ID: LCS 410-369690/2-A
Matrix: Water
Analysis Batch: 370038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 369690

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
DRO (C10-C28) (1C)			2660	2800		ug/L		105	78 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o- terphenyl (Surr) (1C)	*129*		*37 - 153*

Lab Sample ID: 410-124137-9 MS
Matrix: Groundwater
Analysis Batch: 370038

Client Sample ID: LGACEFF01
Prep Type: Total/NA
Prep Batch: 369690

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
DRO (C10-C28) (1C)	240		2670	2730		ug/L		93	78 - 133		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o- terphenyl (Surr) (1C)	*125*		*37 - 153*

Lab Sample ID: 410-124137-9 MSD
Matrix: Groundwater
Analysis Batch: 370038

Client Sample ID: LGACEFF01
Prep Type: Total/NA
Prep Batch: 369690

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28) (1C)	240		2720	2820		ug/L		95	78 - 133	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o- terphenyl (Surr) (1C)	*125*		*37 - 153*

QC Association Summary

Client: Kleinfelder Inc
Project/Site: 2-8077 - Phoenix, MD

Job ID: 410-124137-2

GC/MS VOA

Analysis Batch: 370510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-124137-9	LGACEFF01	Total/NA	Groundwater	8260C/UST	
410-124137-10	LGACMID01	Total/NA	Groundwater	8260C/UST	
410-124137-11	LGACINF01	Total/NA	Groundwater	8260C/UST	
MB 410-370510/6	Method Blank	Total/NA	Water	8260C/UST	
LCS 410-370510/4	Lab Control Sample	Total/NA	Water	8260C/UST	
LCSD 410-370510/5	Lab Control Sample Dup	Total/NA	Water	8260C/UST	

GC VOA

Analysis Batch: 369494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-124137-9	LGACEFF01	Total/NA	Groundwater	8015C	
MB 410-369494/4	Method Blank	Total/NA	Water	8015C	
LCS 410-369494/5	Lab Control Sample	Total/NA	Water	8015C	
LCSD 410-369494/6	Lab Control Sample Dup	Total/NA	Water	8015C	

GC Semi VOA

Prep Batch: 369690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-124137-9	LGACEFF01	Total/NA	Groundwater	3511	
MB 410-369690/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-369690/2-A	Lab Control Sample	Total/NA	Water	3511	
410-124137-9 MS	LGACEFF01	Total/NA	Groundwater	3511	
410-124137-9 MSD	LGACEFF01	Total/NA	Groundwater	3511	

Analysis Batch: 370038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-124137-9	LGACEFF01	Total/NA	Groundwater	8015C	369690
MB 410-369690/1-A	Method Blank	Total/NA	Water	8015C	369690
LCS 410-369690/2-A	Lab Control Sample	Total/NA	Water	8015C	369690
410-124137-9 MS	LGACEFF01	Total/NA	Groundwater	8015C	369690
410-124137-9 MSD	LGACEFF01	Total/NA	Groundwater	8015C	369690

Lab Chronicle

Client: Kleinfelder Inc
Job ID: 410-124137-2
Project/Site: 2-8077 - Phoenix, MD

Client Sample ID: LGACEFF01
Lab Sample ID: 410-124137-9

Date Collected: 04/24/23 15:00
Matrix: Groundwater
Date Received: 04/25/23 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C/UST		1	370510	MXX6	ELLE	05/01/23 16:12
Total/NA	Analysis	8015C		1	369494	B9BF	ELLE	04/27/23 20:55
Total/NA	Prep	3511			369690	UMAD	ELLE	04/28/23 07:12
Total/NA	Analysis	8015C		1	370038	IUSB	ELLE	04/28/23 22:48

Client Sample ID: LGACMID01
Lab Sample ID: 410-124137-10

Date Collected: 04/24/23 15:10
Matrix: Groundwater
Date Received: 04/25/23 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C/UST		1	370510	MXX6	ELLE	05/01/23 16:36

Client Sample ID: LGACINF01
Lab Sample ID: 410-124137-11

Date Collected: 04/24/23 15:15
Matrix: Groundwater
Date Received: 04/25/23 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C/UST		1	370510	MXX6	ELLE	05/01/23 17:00

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Kleinfelder Inc
Job ID: 410-124137-2
Project/Site: 2-8077 - Phoenix, MD

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Maryland	State	100	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015C		Groundwater	GRO (1C)
8015C	3511	Groundwater	DRO (C10-C28) (1C)
8260C/UST		Groundwater	Benzene
8260C/UST		Groundwater	Ethylbenzene
8260C/UST		Groundwater	Methyl tertiary butyl ether
8260C/UST		Groundwater	Naphthalene
8260C/UST		Groundwater	Toluene
8260C/UST		Groundwater	Xylenes, Total

Method Summary

Client: Kleinfelder Inc
Job ID: 410-124137-2
Project/Site: 2-8077 - Phoenix, MD

Method	Method Description	Protocol	Laboratory
8260C/UST	Volatile Organic Compounds (GC/MS)	SW846	ELLE
8015C	Nonhalogenated Organics using GC/FID -Modified (Gasoline Range Organics)	SW846	ELLE
8015C	Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

CHAIN OF CUSTODY- ExxonMobil Projects

Lancaster Laboratories

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17605
TEL. 717-656-2300
www.lancasterlabs.com

FED-EX Tracking #

Lancaster Quote #

410-124137 Chain of Custody

Client / Reporting Information

Company Name: Kleinfelder
Street Address: 1745 Dorsey Road, Suite J
City: Hanover, State: MD, Zip: 21076
Project Contact: Mark Schaaf
E-mail:
Phone #: 410-850-0404
Fax #: 410-850-0049
Sampler(s) Name(s): Joe Frascarella
Phone #: 301-385-0957

SITE NAME - Provide Site Name for Retail or AFE Number for Major Projects

Retail Project (Site Name): Exxon - Phoenix 28077
Major Project (AFE):
Project Name: 14258 Jarrettsville Pike
City: Phoenix, State: MD
ExxonMobil Manager: John Lee
ExxonMobil Purchase Order #: Direct Bill to Exxon Mobil

ExxonMobil Environmental Services Co.

If Project is Direct Bill to Consultant
Company Name:
Street Address:
City, State, Zip:
Attention: PO#

Requested Analysis (see TEST CODE sheet)

MTBE, BTEX, ETBE, TAME, DIPE, TBA by EPA 8260B
Full List VOCs + Oxy5 by 8260

Matrix Code

DW - Drinking Wa
GW - Ground Wa
WW - Water
SW - Surface Wa
SO - Soil
SL - Sludge
SED-Sedimer
OI - Oil
LIQ - Other Liquic
AIR - Air
SOL - Other Soi
WP - Wipe
FB-Fiel
Blank

Lancaster Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	MTBE, BTEX, ETBE, TAME, DIPE, TBA by EPA 8260B	Full List VOCs + Oxy5 by 8260	LAB USE ONL
	MW-187A		4/24/23	12:00	JF	GW	3	X								X	X	
	MW-187B		4/24/23	12:05	JF	GW	3	X								X	X	
	MW-187C		4/24/23	12:10	JF	GW	3	X								X	X	
	MW-54B		4/24/23	12:40	JF	GW	3	X								X	X	
	MW-54C H/S-210		4/24/23	~~12:50~~ 12:50	JF	GW	3	X								X	X	
	MW-54C H/S-278		4/24/23	13:00	JF	GW	3	X								X	X	
	MW-38C		4/24/23	14:10	JF	GW	3	X								X	X	
	MW-178C		4/24/23	14:30	JF	GW	3	X								X	X	
			~~4/24/23~~															

Data Deliverable Information

- [X] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] 8 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Comments / Special Instructions

DROP BOX - MW

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Date Time			Date Time	
Relinquished by Sampler:	4/25/23 5:50	Received By: 1 Coolers Room	Relinquished By: 2	4/25/23 12:50	Received By: 2 4/25/23 17:55
Relinquished by Sampler:	4/25/23 17:05	Received By: 3	Relinquished By: 4		Received By: 4
Relinquished by:	Date Time:	Received By: 5 4/25/23 1705	Custody Seal #	Intact / Not intact	Preserved where applicable / On Ice / Cooler Temp.

AEH

5/4/2023

CHAIN OF CUSTODY- ExxonMobil Projects

Drop box - system

PAGE ___ OF ___

Lancaster Laboratories

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike, Lancaster, PA 17605
TEL. 717-656-2300
www.lancasterlabs.com

FED-EX Tracking #

Bottle Order Control #

Lancaster Quote #

Lancaster Job #

Client / Reporting Information

ompany Name: Kleinfelder

reet Address: 1745 Dorsey Road, Suite J

ity: Hanover, MD | State | Zip: 21076

roject Contact: Stacey Schiding | E-mail

hone #: 410-850-0404 | Fax #: 410-850-0049

ampler(s) Name(s): Joe Frascarella 301-385-0957 | Phone #

SITE NAME - Provide Site Name for Retail or AFE Number for Major Projects

Retail Project (Site Name): Exxon - Phoenix 28077

Major Project (AFE):

Project Name: 14258 Jarrettsville Pike

City: Phoenix | State: MD

ExxonMobil Manager: John Lee

ExxonMobil Purchase Order #: Direct Bill to Exxon Mobil

ExxonMobil Environmental Services Co.

If Project is Direct Bill to Consultant

Company Name

Street Address

City | State | Zip

Attention: | PO#

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Wat
GW - Ground Wat
WW - Water
SW - Surface Wat
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solic
WP - Wipe
FB-Field Blank

ancaster ample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	MTBE, BTEX by 8260B	TPH - GRO by 8015B	TPH - DRO by 8015B Microextraction	Naphthalene by 8260B	LAB USE ONL
	LGACEFF01		4/24/23	15:00	JF	GW	9	X								X	X	X	X	
	LGACMID01		4/24/23	15:10	JF	GW	3	X								X				
	LGACINF01		4/24/23	15:15	JF	GW	3	X								X				
	Trip Blank (TB)																			

Turnaround Time (Business days)

- [X] Std. 10 Business Days
- [ ] 8 Day *RUSH*
- [ ] 6 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Approved By (Lancaster PM): / Date:

Data Deliverable Information

- [x] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	4/25/23	1 Cooler Room 4/25/23 5:50	2	12:55 4/25/23	2 4/25/23 12:55
Relinquished by Sampler:	4/25/23 17:05	3	4		4
Relinquished by:		5 4/25/23 1705	Custody Seal #	Intact / Not Intact	Preserved where applicable / On Ice / Cooler Temp.

CJ

5/4/2023

Login Sample Receipt Checklist

Client: Kleinfelder Inc

Job Number: 410-124137-2

Login Number: 124137

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Jeremiah, Cory T

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Definitions/Glossary

Client: Kleinfelder Inc
Job ID: 410-124137-2
Project/Site: 2-8077 - Phoenix, MD

Qualifiers

GC/MS VOA

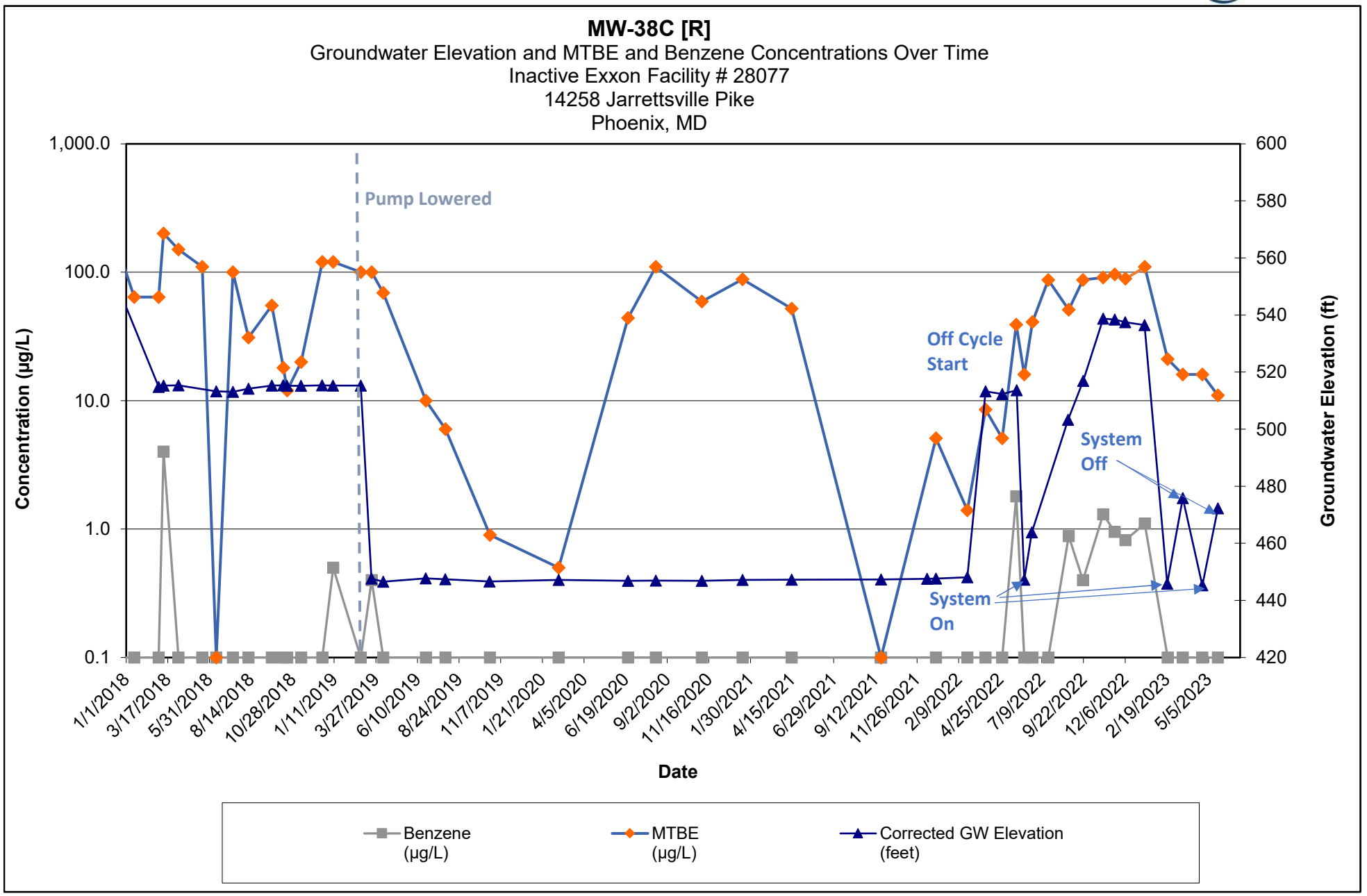
Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

ATTACHMENT 3

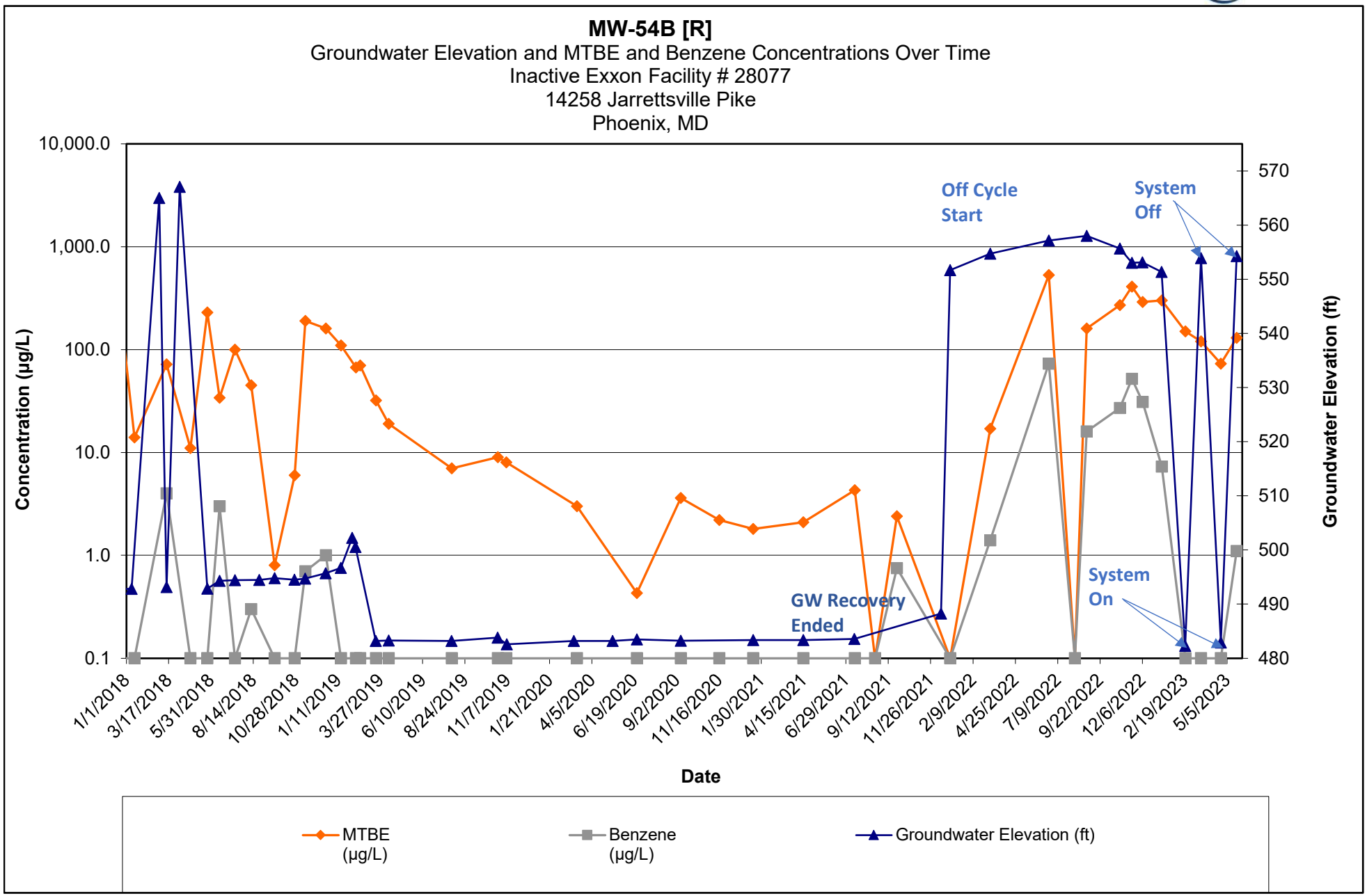
WELL TREND GRAPHS



Note:

1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.

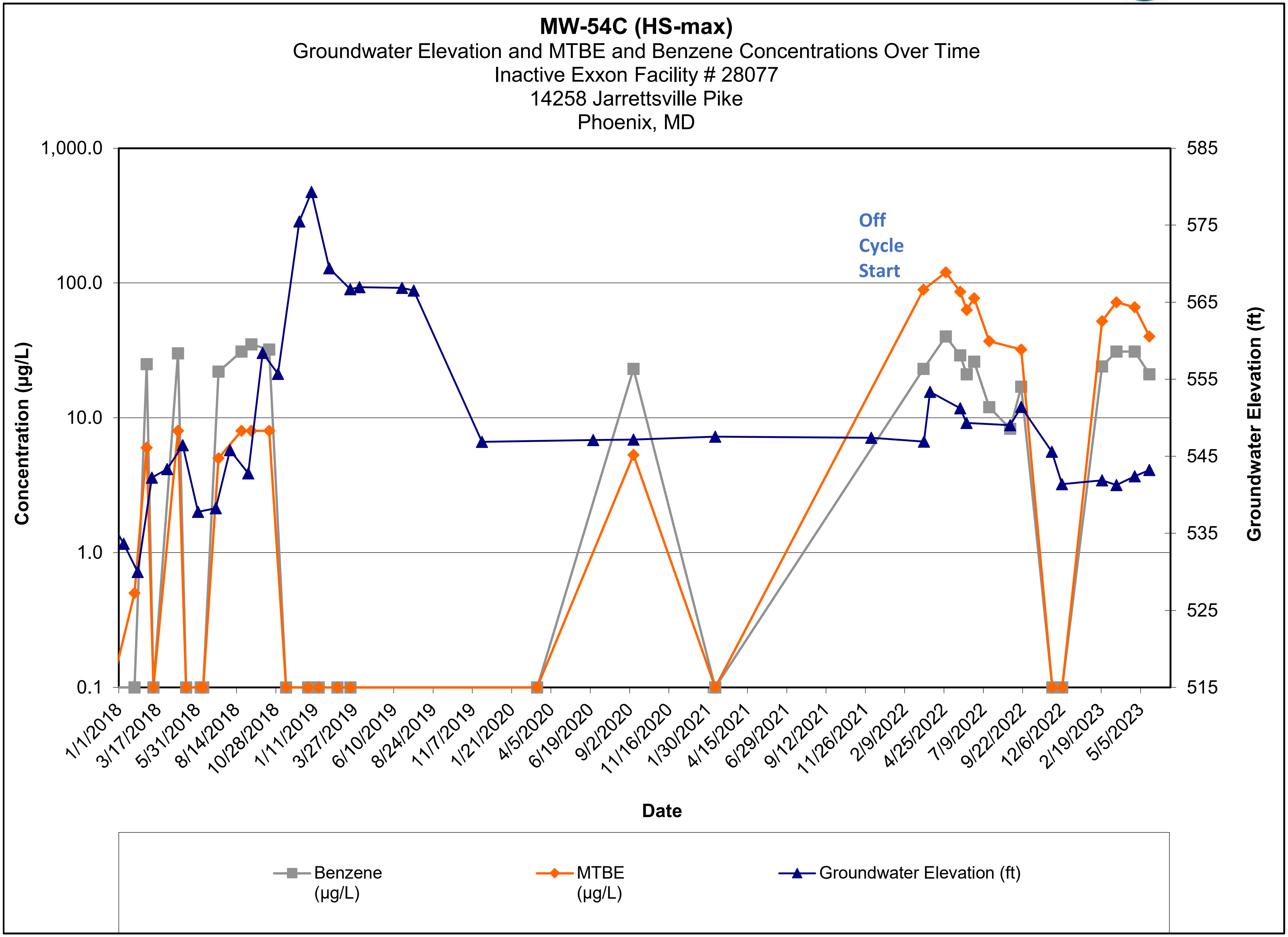
2.) [R] - indicates well was used for remediation at time of reporting.



Note:

1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.

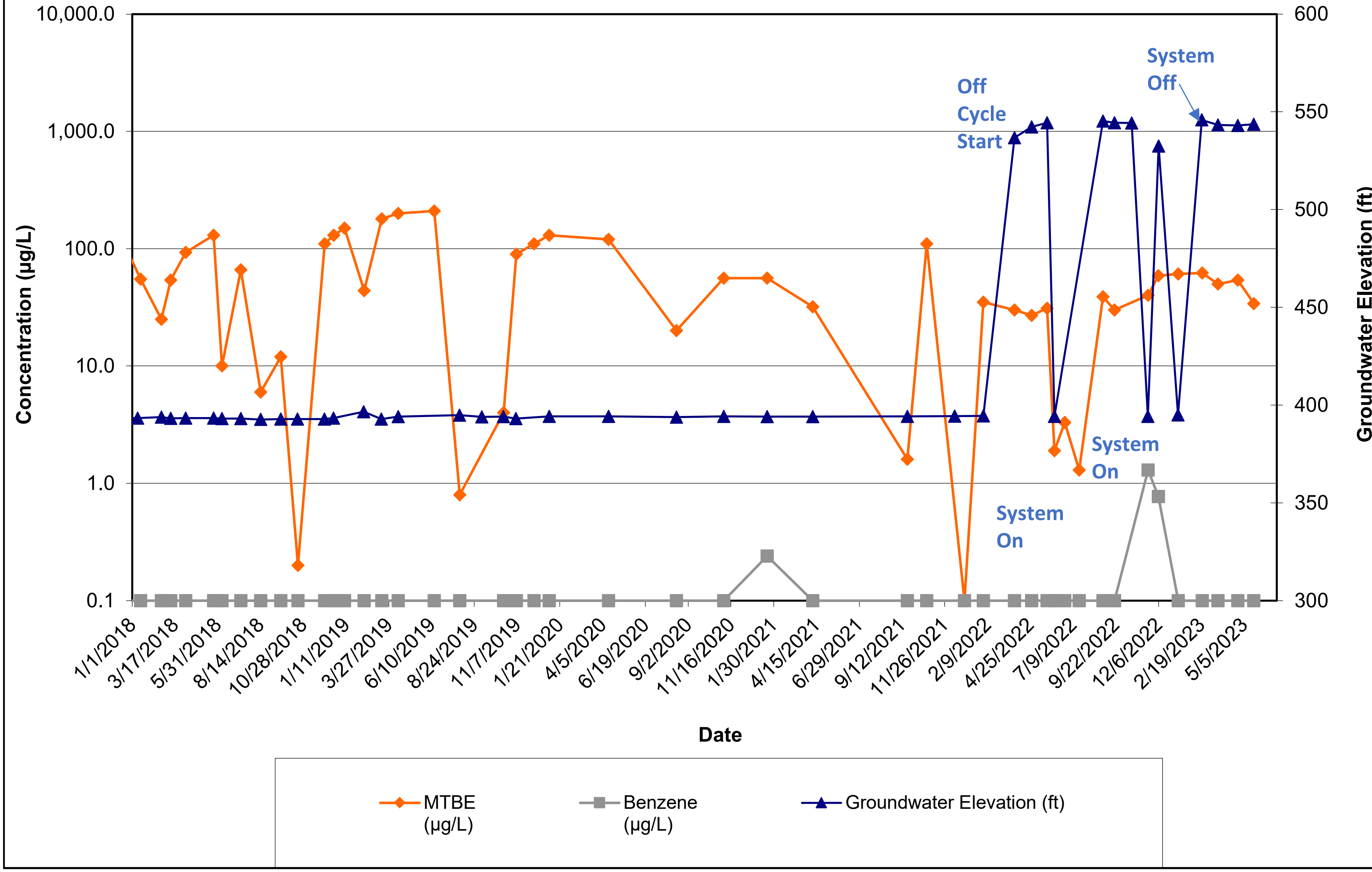
2.) [R] - indicates well was used for remediation at time of reporting.



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) [R] - indicates well was used for remediation at time of reporting.

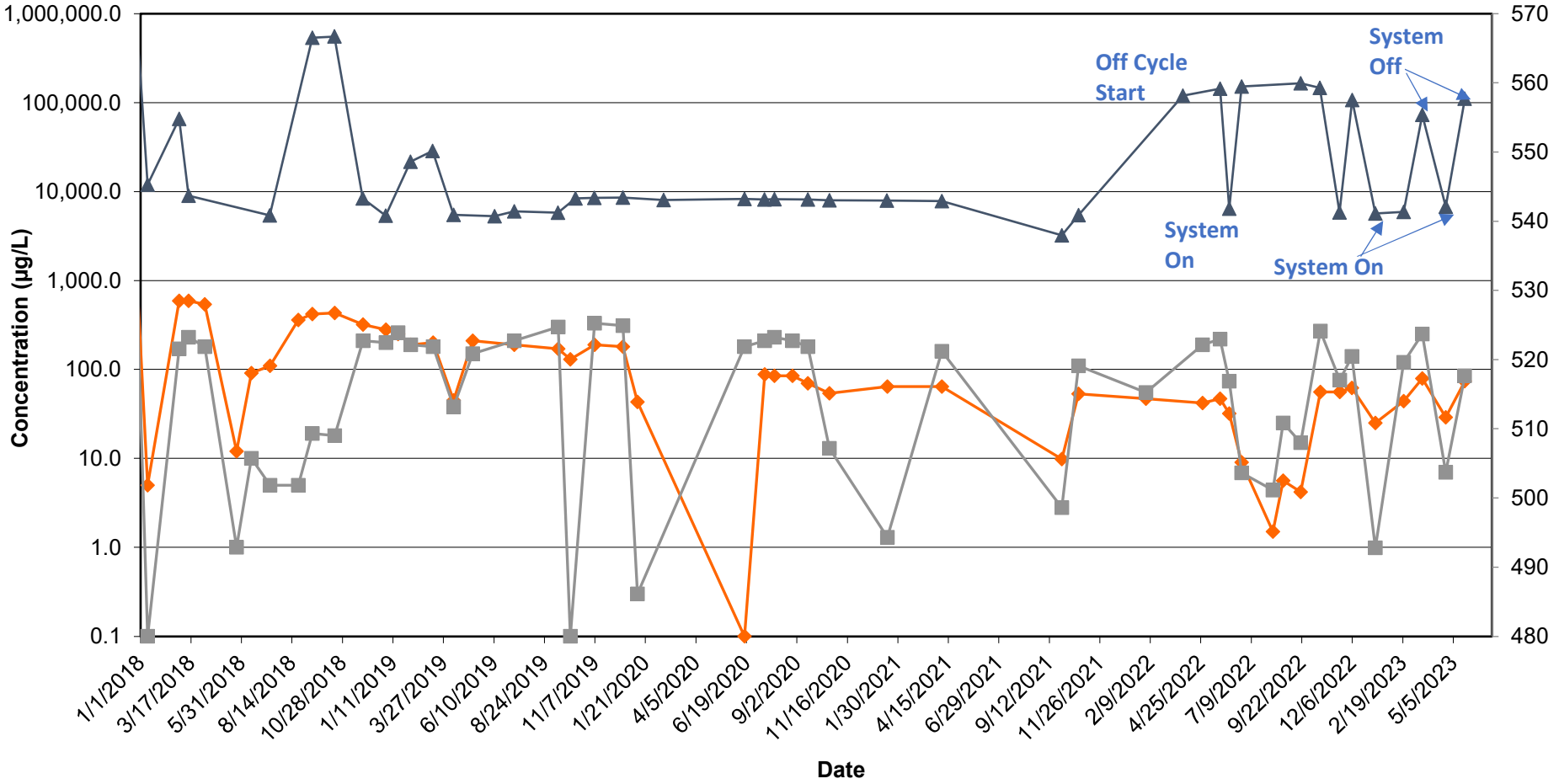
MW-178C

Groundwater Elevation and MTBE and Benzene Concentrations Over Time
Inactive Exxon Facility # 28077
14258 Jarrettsville Pike
Phoenix, MD



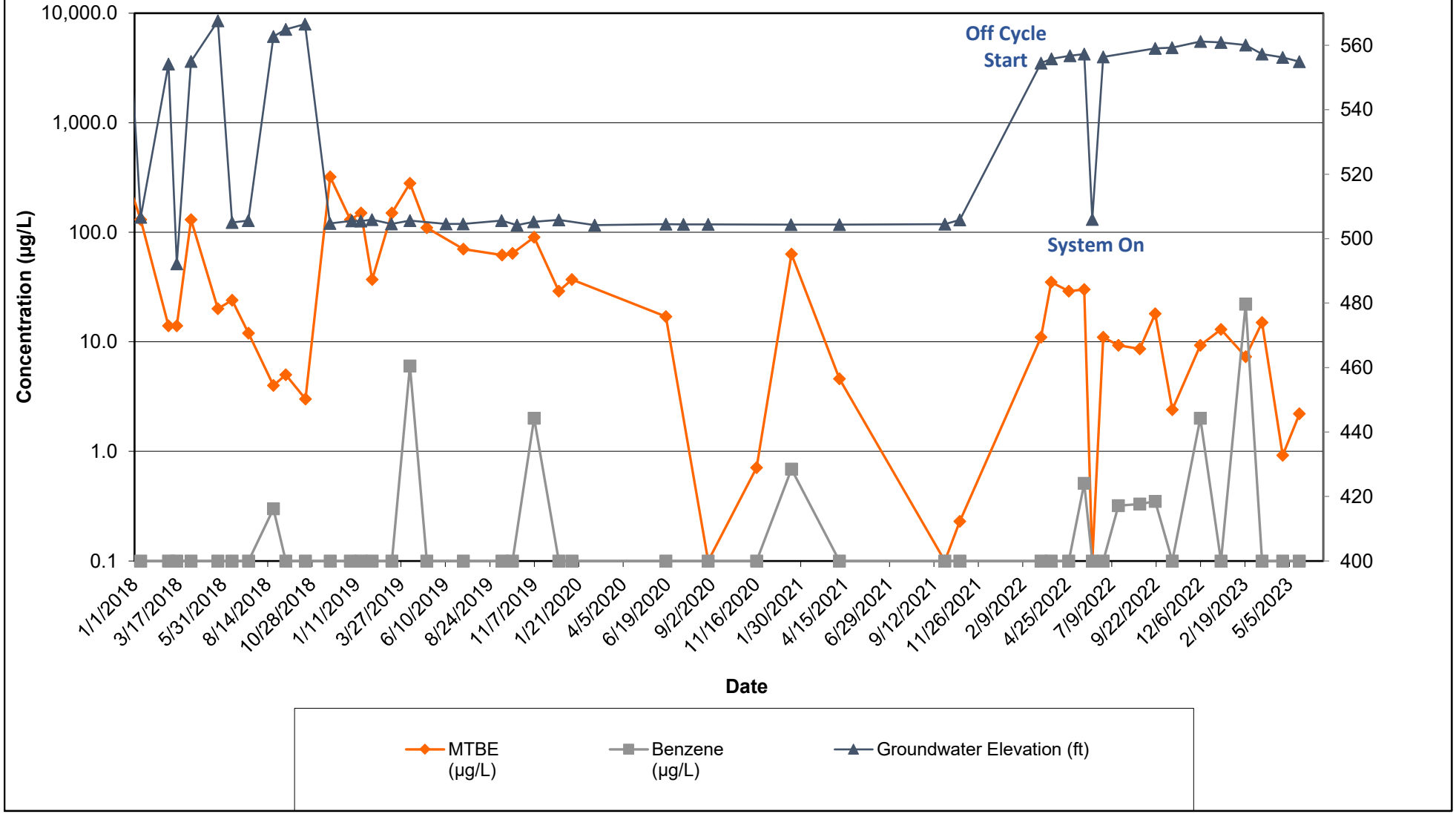
Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) HS = Deep composite HydraSleeve sampler set at bottom of open borehole.

MW-187A [R]
Groundwater Elevation and MTBE and Benzene Concentrations Over Time
Inactive Exxon Facility # 28077
14258 Jarrettsville Pike
Phoenix, MD

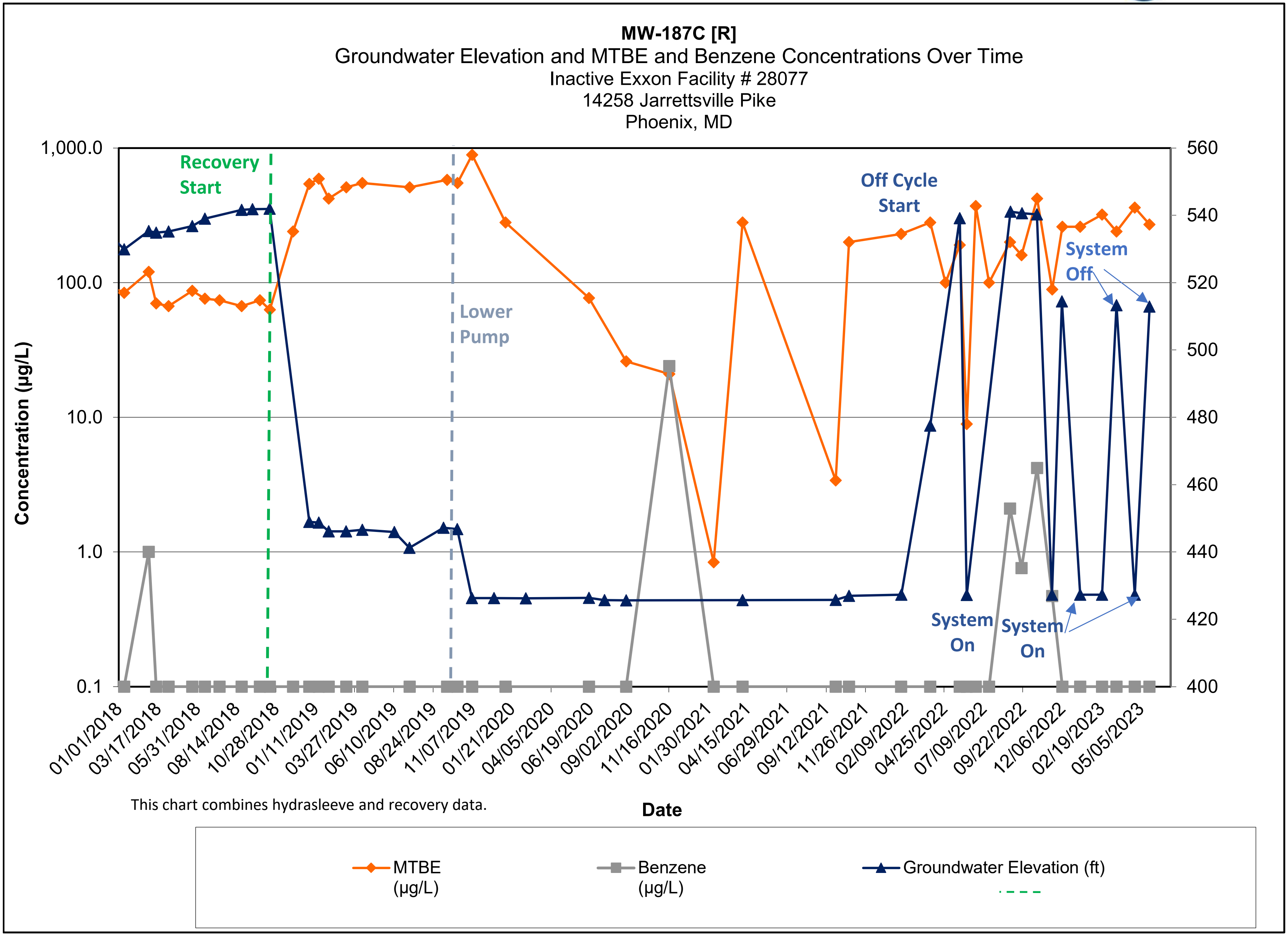


Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) HS = Deep composite HydraSleeve sampler set at bottom of open borehole.

MW-187B
Groundwater Elevation and MTBE and Benzene Concentrations Over Time
Inactive Exxon Facility # 28077
14258 Jarrettsville Pike
Phoenix, MD



Note:
1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.
2.) HS = Deep composite HydraSleeve sampler set at bottom of open borehole.



Note:

1.) ND results are charted as "0.1" to avoid confusion with estimated "J" values.

2.) HS = Deep composite HydraSleeve sampler set at bottom of open borehole.

ATTACHMENT 4

JUNE 2018 ORDER OF RESOLUTION, EXHIBITS C, D & E

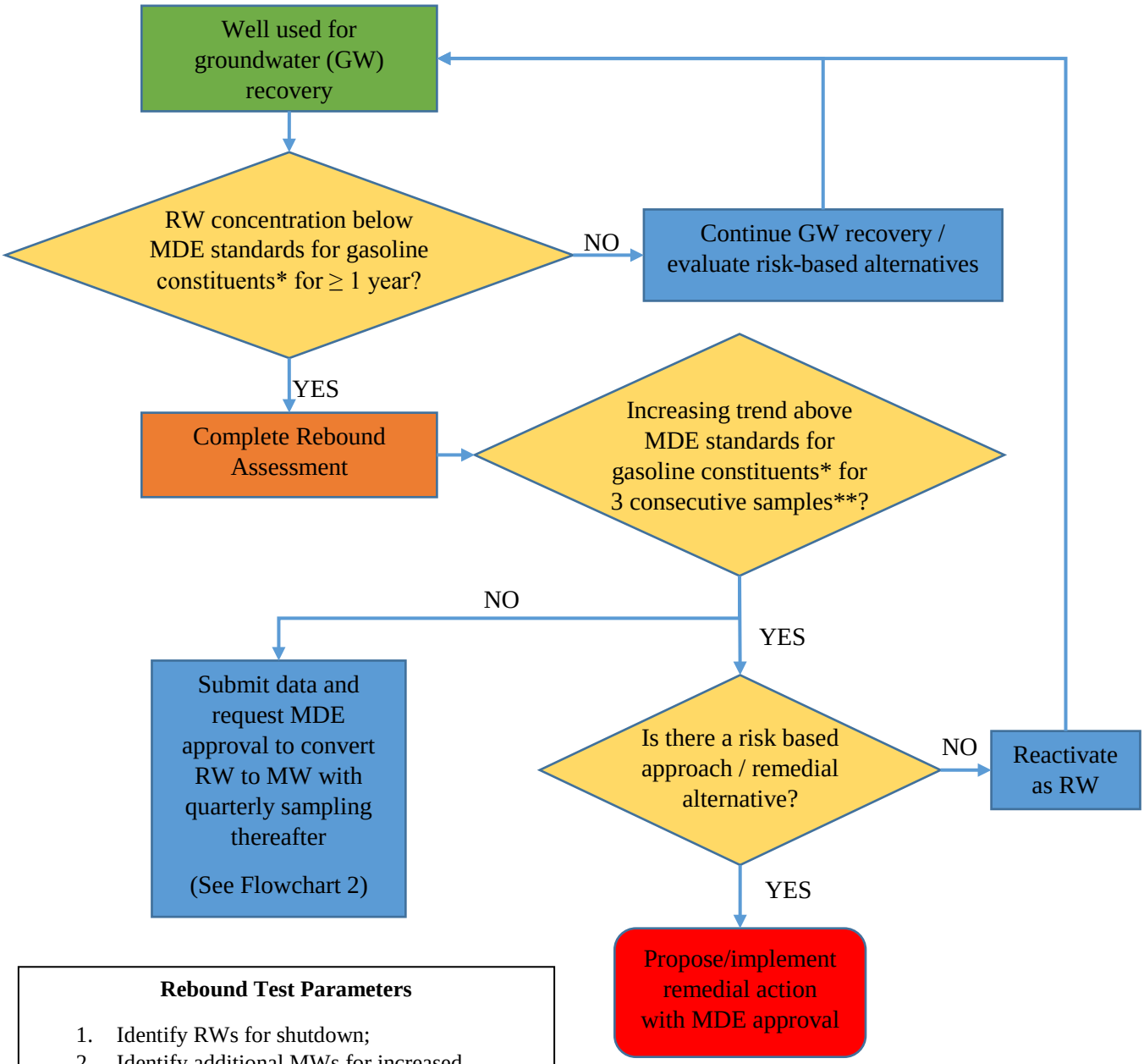
Exhibit C

Flowchart 1
Conversion of Recovery Well to Monitoring Well

Effective January 1, 2018

The process described in paragraph 8 of the Order of Resolution dated June 6, 2018 and the flow charts referenced herein are the product of the agreed upon resolution of a dispute between MDE and ExxonMobil are not to be considered precedent or MDE policy for other sites or other circumstances.

Flowchart 1: Conversion of Recovery Well (RW) to Monitoring Well (MW)



Rebound Test Parameters

1. Identify RWs for shutdown;
2. Identify additional MWs for increased sampling during rebound period;
3. Submit proposed RW shutdown and rebound sampling plan to MDE for approval;
4. After RWs turned off, monitor RWs and selected additional MWs monthly for 3 months; then continue monitoring quarterly thereafter.

*MDE, June 2008, State of Maryland Department of the Environment, Cleanup Standards for Soil and Groundwater, Interim Final Guidance, Update No. 2.1

**Three consecutive increasing sample results all above MDE standards for gasoline constituents

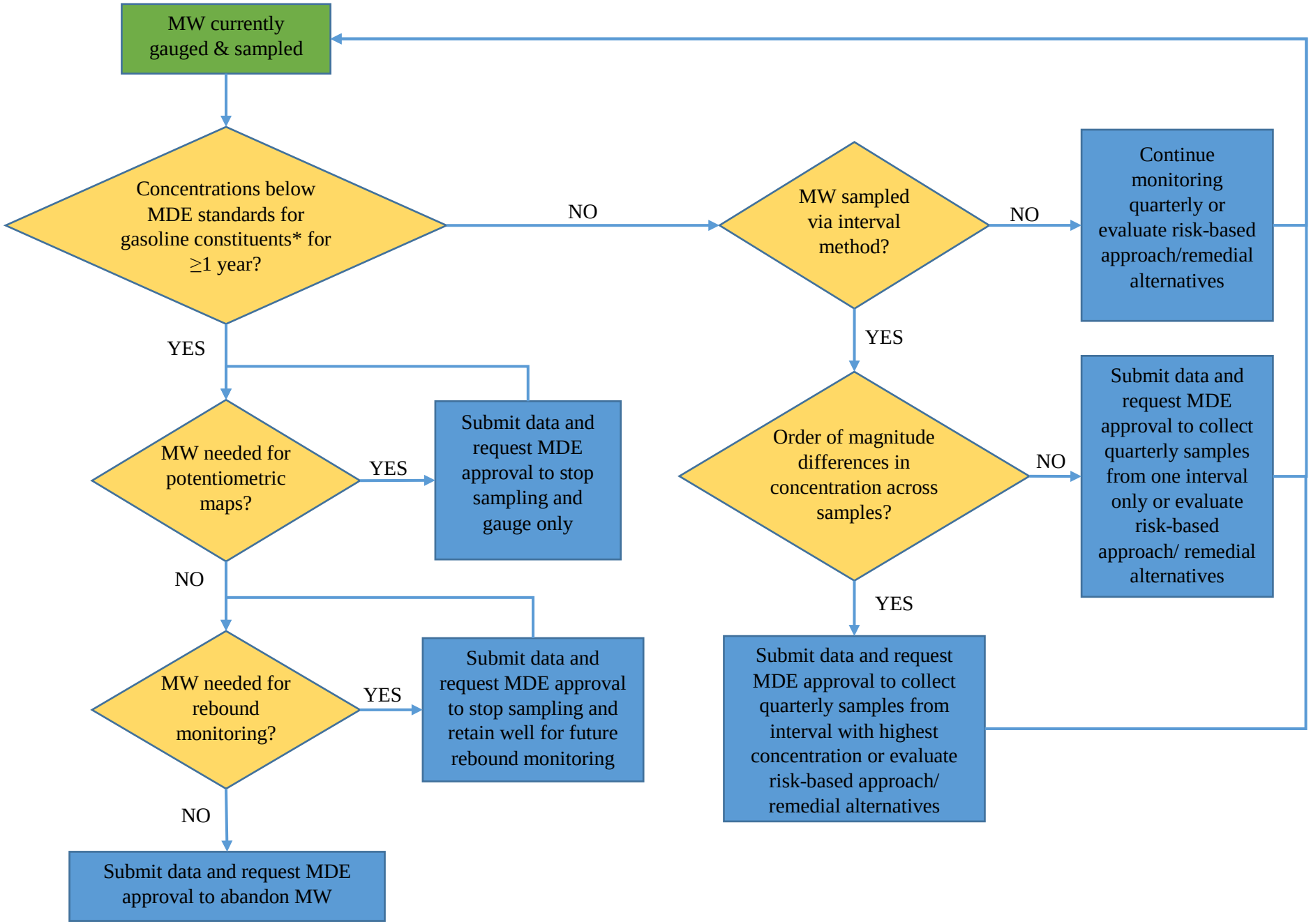
Exhibit D

Flowchart 2
Discontinuation of Sampling/Gauging and Abandonment of a Monitoring Well

Effective January 1, 2018

The process described in paragraph 8 of the Order of Resolution dated June 6, 2018 and the flow charts referenced herein are the product of the agreed upon resolution of a dispute between MDE and ExxonMobil are not to be considered precedent or MDE policy for other sites or other circumstances.

Flowchart 2: Monitoring Well (MW) Sampling and Abandonment



*MDE, June 2008, State of Maryland Department of the Environment, Cleanup Standards for Soil and Groundwater, Interim Final Guidance, Update No. 2.1

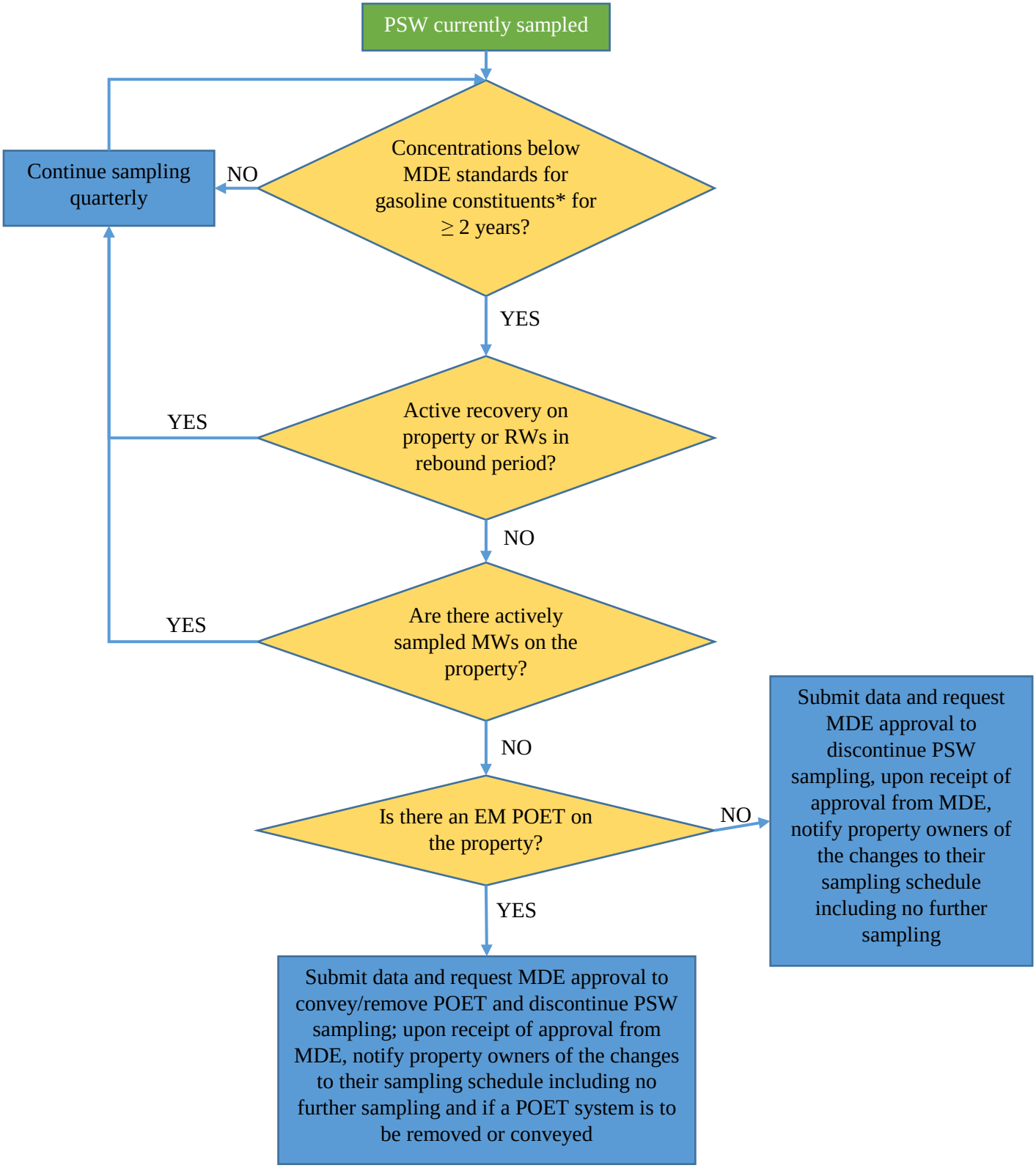
Exhibit E

Flowchart 3
Discontinuation of Sampling a PSW and Conveyance or Removal of POET

Effective June 6, 2018

The process described in paragraph 8 of the Order of Resolution dated June 6, 2018 and the flow charts referenced herein are the product of the agreed upon resolution of a dispute between MDE and ExxonMobil are not to be considered precedent or MDE policy for other sites or other circumstances.

Flowchart 3: Private Supply Well (PSW) Sampling



*MDE, June 2008, State of Maryland Department of the Environment, Cleanup Standards for Soil and Groundwater, Interim Final Guidance, Update No. 2.1

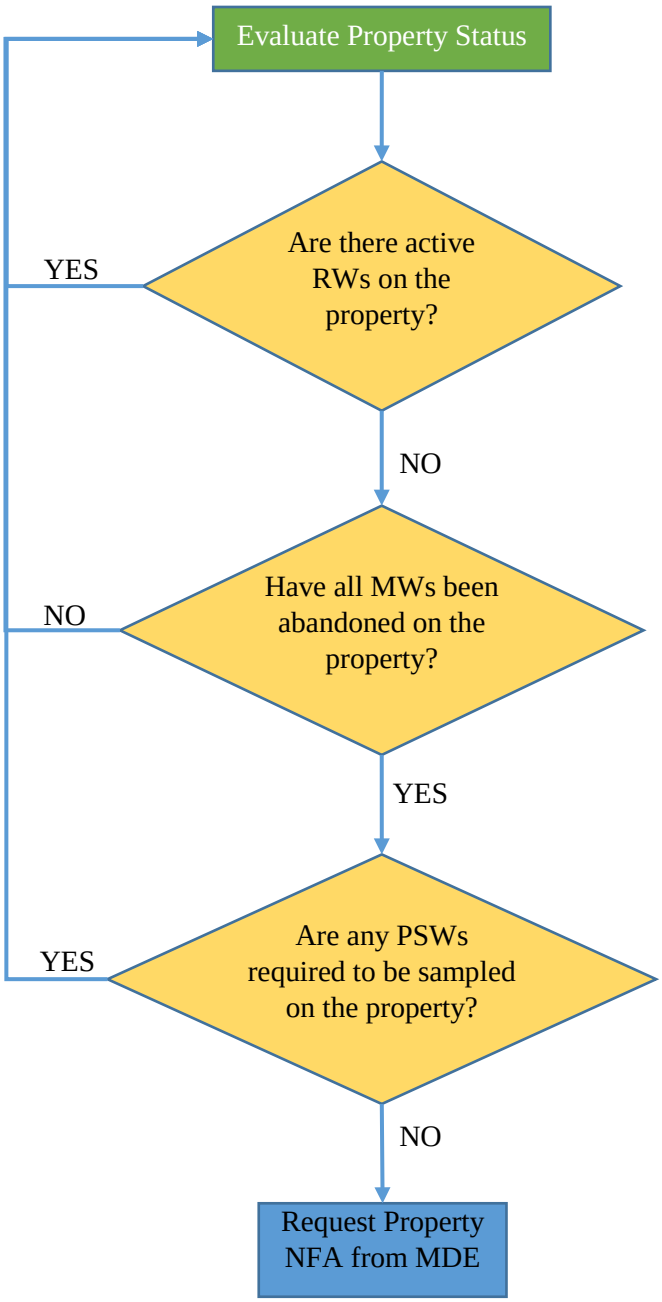
Exhibit F

EXHIBIT F

Flowchart 4
Submittal of No Further Action Request

The process described in paragraph 8 of the Order of Resolution dated June 6, 2018 and the flow charts referenced herein are the product of the agreed upon resolution of a dispute between MDE and ExxonMobil are not to be considered precedent or MDE policy for other sites or other circumstances.

Flowchart 4: No Further Action (NFA) Requests by Property



NFA Requests and Approvals

Most NFA requests that are submitted by ExxonMobil and NFA granted by MDE will contain a list of property addresses in order to reduce the administrative burden associated with processing a separate NFA for each address. All efforts will be made to include an entire street or neighborhood in the list of addresses being submitted in a request. However, there may be the exception where an NFA is required for only one or a few addresses separate from other addresses on the street or in the neighborhood.