May 9, 2024

Ms. Lindley Campbell
Maryland Department of the Environment
Land and Materials Administration
Oil Control Program
1800 Washington Boulevard, Suite 620
Baltimore, Baltimore 21230

RE: Report of First Quarter - 2024 Groundwater Monitoring
Lee Delauter & Sons, Inc.
12037 Wolfsville Road
Myersville, Maryland 21773
Triad Project No. 03-22-0748
MDE Case No. 2021-0581-FR

Dear Ms. Campbell:

This letter report summarizes the groundwater monitoring of three High Risk Groundwater Use Area (HRGUA) monitoring wells at the above-referenced site. This monitoring was performed by Triad Engineering, Inc. (Triad) on behalf of Lee Delauter & Sons, Inc. in accordance with the Maryland Department of the Environment (MDE) *Request for Additional Sampling* letter dated November 21, 2023.

GROUNDWATER GAUGING & SAMPLING

On February 5, 2024, Triad was on site to collect groundwater samples from the three monitoring wells. Prior to sampling the monitoring wells, the wells were gauged using an oil/water interface meter with an accuracy of 0.01 of a foot. The depth to water (DTW) level measurements ranged from 1.99 feet below top of casing (TOC) in MW-2 to 4.09 feet below TOC in MW-1. Measurable liquid petroleum hydrocarbons (LPH) was not detected in the monitoring wells. The groundwater gauging data is summarized in **Table 1**. The groundwater elevation contours trend towards the north. The February 5, 2024 groundwater contour map is included as **Figure 2**.

Prior to sampling, the three monitoring wells were purged approximately three well volumes or until dry. Groundwater samples were collected from the monitoring wells using a new disposable bailer per well and placed in glass sampling containers provided by the laboratory. The samples were then placed on ice and shipped via courier to Eurofins Lancaster Laboratories Environmental Testing, LLC (Eurofins) located in Lancaster, Pennsylvania for analytical testing.

The groundwater samples were analyzed for Total Petroleum Hydrocarbons-Diesel Range Organics (TPH-DRO) and Total Petroleum Hydrocarbons-Gasoline Range Organics (TPH-GRO) using U.S. Environmental Protection Agency (U.S. EPA) Method 8015B and full-suite Volatile Organic Compounds (VOCs), including fuel oxygenates and naphthalene, using U.S. EPA Method 8260B. The only exceedances of the MDE's Groundwater Cleanup Standards are summarized below. The analytical results of the groundwater samples are summarized in **Table 2**. A copy of the laboratory analytical report is included in **Appendix B**.

- TPH-DRO was detected in all samples at concentrations ranging from **140 micrograms/ liter (ug/L) to 5,400 ug/L**, which exceeds the MDE groundwater standard of 47 ug/L.
- TPH-GRO was detected in MW-2 at a concentration of **1,500 ug/L** which is an exceedance of the MDE Groundwater standard of 47 ug/L.
- Benzene was detected in MW-2 at a concentration of **5.4 ug/L** which is an exceedance of the MDE Groundwater standard of 5 ug/L.
- Naphthalene was detected in MW-2 at a concentration of **4.0 ug/L** which is an exceedance of the MDE Groundwater standard of 0.17 ug/L.
- Trichloroethane was detected in MW-1 at a concentration of **6.7 ug/L** which is an exceedance of the MDE Groundwater standard of 5 ug/L.
- 1,1,2,2-Tetrachloroethane was detected in MW-2 at a concentration of **0.83 ug/L** which is an exceedance of the MDE Groundwater standard of 0.076 ug/L.
- The analytical results identified other exceedances of target VOCs in all samples; however, these exceedances are considered erroneous because they are due to the laboratory's Method Detection Limits (MDLs) being greater than the cleanup standards.

CONCLUSIONS AND SUMMARY

On February 5, 2024, groundwater samples were collected from MW-1, MW-2, and MW-3. No measurable LPH was detected in the monitoring wells.

The laboratory analytical results indicate that concentrations of TPH-DRO were detected above the MDE Groundwater Standards in all monitoring wells (MW-1, MW-2, & MW-3). Concentrations of TPH-GRO, Benzene, Naphthalene, and 1,1,2,2-Tetrachloroethane were detected in MW-2 above the MDE Groundwater Standards. In addition, a concentration of Trichloroethane was detected in MW-1 above the MDE Groundwater Standards. All other target analytes were below the MDE Groundwater Standards.

PROPOSED SECOND QUARTER 2024 EVENTS

In accordance with the MDE's November 21, 2023 letter, quarterly groundwater sampling will continue for one additional quarter (second quarter 2024) unless new guidance from the MDE is received. The second quarter 2024 groundwater gauging and sampling event is tentatively scheduled to be completed in the month of June 2024.

Should you have any questions regarding the contents of this report, please do not hesitate to contact us at (301) 797-6400.

Sincerely,

TRIAD ENGINEERING, INC.

Kainen Marks, P.G.
Project Geologist

Patrick Upham
Environmental Services Manager

cc: Mr. Charles Delauter, Lee Delauter & Sons, Inc

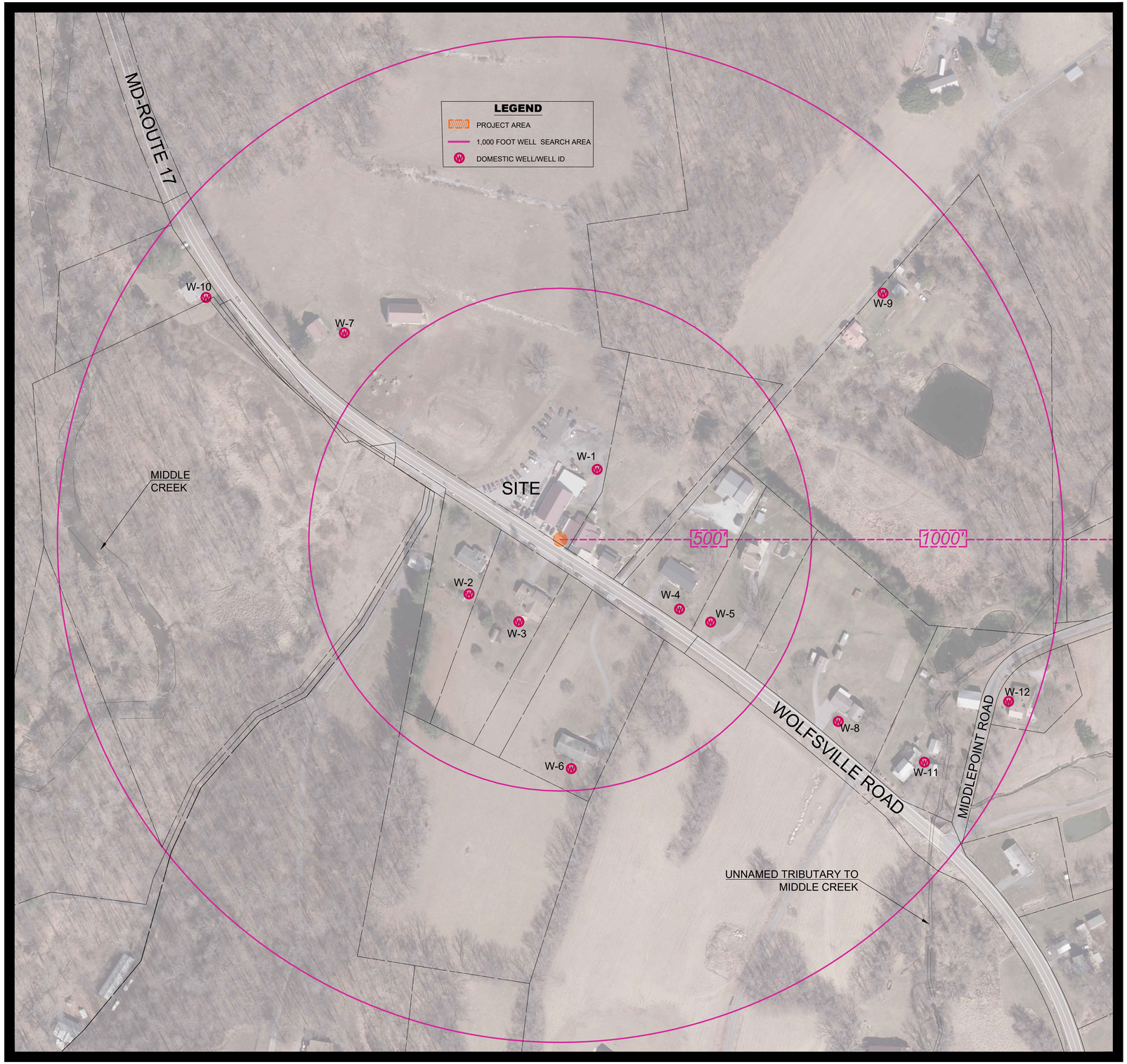
Attachments:

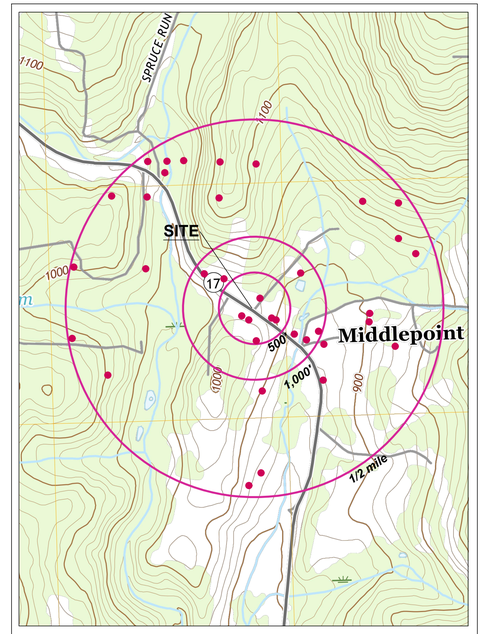
Figure 1 – Site Vicinity Map and Half-Mile Well Search Map
Figure 2 – Groundwater Elevation / Groundwater Flow Direction

Table 1 – Historical Groundwater Gauging Data
Table 2 – Historical Groundwater Analytical Table

EuroFins Laboratory Analytical Report

SITE FIGURES





VICINITY MAP
1" = 1000'

NOTES:

1. BASE MAPPING SHOWN HEREON WAS PROVIDED BY FREDERICK COUNTY, MD GIS WHICH HAS BEEN OVERLAID ON 2021 AERIAL MAPPING ACQUIRED FROM THE MD iMAP WEBSITE.

Table 1 - 1/2 Mile Well Search Summary Table

NO.	PROPERTY ADDRESS	PROPERTY OWNER	PROPERTY OWNER ADDRESS
W-1	12037 Wolfsville Road, Wolfsville, MD 21773	Lee Delauter & Sons Inc	12037 Wolfsville Road, Wolfsville, MD 21773
W-2	12046 Wolfsville Road, Wolfsville, MD 21773	Robert & Mary Delauter	12046 Wolfsville Road, Wolfsville, MD 21773
W-3	12040 Wolfsville Road, Wolfsville, MD 21773	Dale & Sheila Delauter	1 Foxfiled Pass Middletown, MD 21769
W-4	12021 Wolfsville Road, Wolfsville, MD 21773	Jefferey & Lieba Smith	12021 Wolfsville Road, Wolfsville, MD 21773
W-5	12013 Wolfsville Road, Wolfsville, MD 21773	Patrick & Kelly Russo	12013 Wolfsville Road, Wolfsville, MD 21773
W-6	12032 Wolfsville Road, Wolfsville, MD 21773	Charles & Linda Delauter	12032 Wolfsville Road, Wolfsville, MD 21773
W-7	12045 Wolfsville Road, Wolfsville, MD 21773	Lee Delauter & Sons Inc	12037 Wolfsville Road, Wolfsville, MD 21773
W-8	12009 Wolfsville Road, Wolfsville, MD 21773	Wayne & Karen Lewis	12009 Wolfsville Road, Wolfsville, MD 21773
W-9	12031A Wolfsville Road, Wolfsville, MD 21773	Robert & Janet Warren	12031A Wolfsville Road, Wolfsville, MD 21773
W-10	12150 Wolfsville Road, Wolfsville, MD 21773	Harry Van Mater	10079 Vista Court, Myersville, MD 21773
W-11	12003 Wolfsville Road, Wolfsville, MD 21773	Naomi Harshman Trust	5962 Ridge Road, Mount Airy. MD 21771
W-12	4217 Middlepoint Road, Wolfsville, MD 21773	Albert Poole	4217 Middlepoint Road, Wolfsville, MD 21773

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

TRIAD ENGINEERING, INC.
1075-D SHERMAN AVENUE
HAGERSTOWN, MD 21740
PH: 301.797.6400 FAX: 301.797.2424
OFFICE LOCATIONS
MARYLAND ○ PENNSYLVANIA ○ VIRGINIA ○ WEST VIRGINIA

REV.#	DATE	DESCRIPTION	BY
			PMU

CADD FILE: 03220748-Well Search.dwg
DRAWN BY: P.M.U.
CHECKED BY: N.J.W.
DATE: 11/21/2022
SCALE: 1"=100'

LEE DELAUTER & SONS, INC.
12037 WOLFSVILLE ROAD
MYERSVILLE, MARYLAND 21773

WELL SEARCH MAP

ZONING: -
TAX MAP: 0030
WATERSHED CODE: CATOCTIN CREEK
GRID: 0011
PARCEL: 0075
ELEC. DIST.: 01

TRIAD ENGINEERING, INC.
www.triadeng.com

SHEET NUMBER:
FIG 1
JOB NO.: 03-22-0748

LEGEND

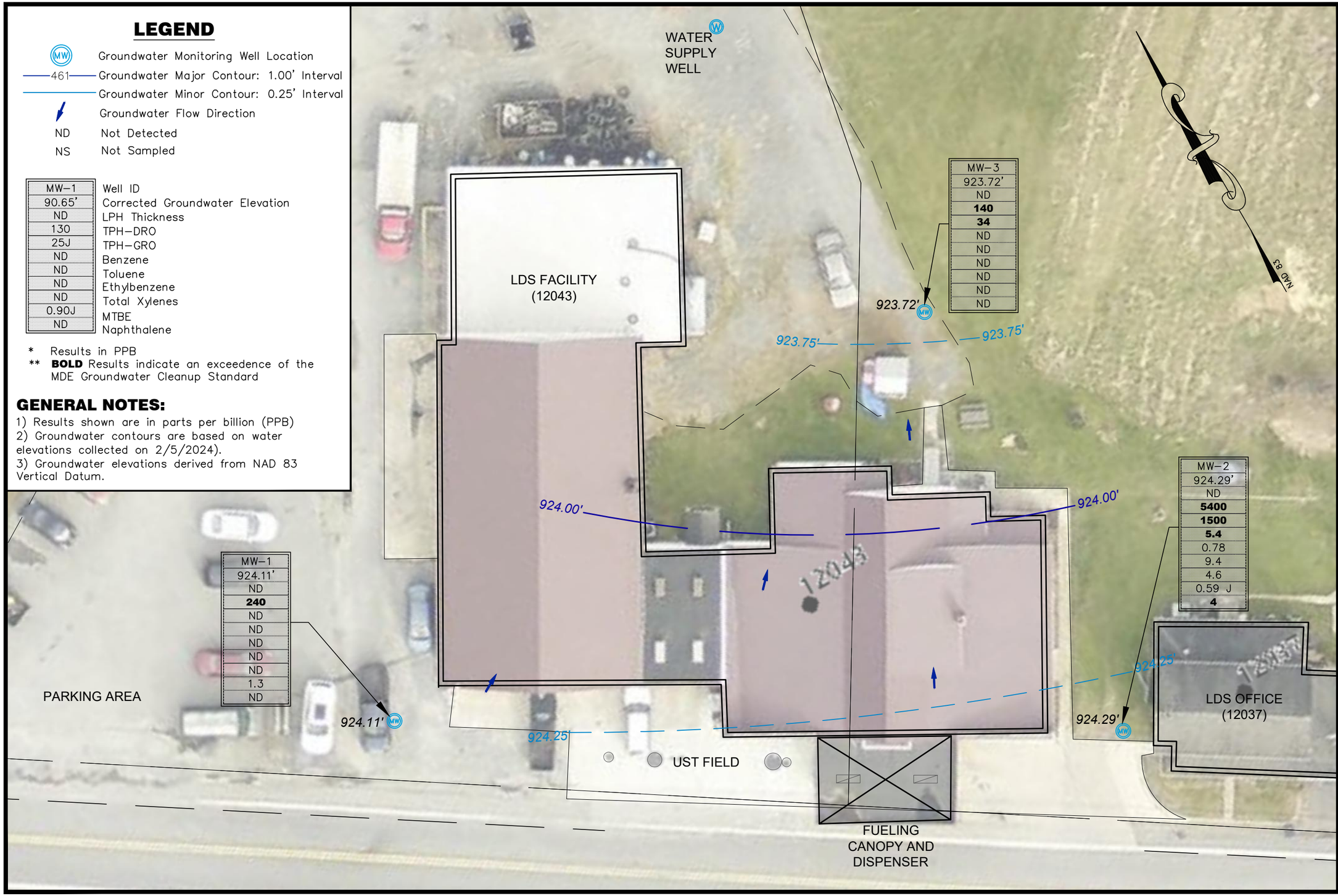
MW	Groundwater Monitoring Well Location
461	Groundwater Major Contour: 1.00' Interval
	Groundwater Minor Contour: 0.25' Interval
	Groundwater Flow Direction
ND	Not Detected
NS	Not Sampled

MW–1	Well ID
90.65'	Corrected Groundwater Elevation
ND	LPH Thickness
130	TPH–DRO
25J	TPH–GRO
ND	Benzene
ND	Toluene
ND	Ethylbenzene
ND	Total Xylenes
0.90J	MTBE
ND	Naphthalene

* Results in PPB
** **BOLD** Results indicate an exceedence of the MDE Groundwater Cleanup Standard

GENERAL NOTES:

1) Results shown are in parts per billion (PPB)
2) Groundwater contours are based on water elevations collected on 2/5/2024).
3) Groundwater elevations derived from NAD 83 Vertical Datum.



TRIAD ENGINEERING, INC.
1075-D SHERMAN AVENUE
HAGERSTOWN, MD 21740
PH: 301.797.6400 FAX: 301.797.2424
OFFICE LOCATIONS
MARYLAND ○ PENNSYLVANIA ○ VIRGINIA ○ WEST VIRGINIA

CADD FILE: 03-22-0748 GWC		CHECKED BY: KMM	SCALE: 1"=20'
JOB NO: 03-22-0748		DRAWN BY: PMU	DATE: 4/23/2024

LEE DELAUTER & SONS, INC. (LDS)
12037 WOLFSVILLE ROAD
MYERSVILLE, MARYLAND 21773

GROUNDWATER ELEVATION/ GROUNDWATER FLOW DIRECTION

TRIAD ENGINEERING, INC.
www.triadeng.com

SHEET NUMBER:
GWC
FILE NO.: 03-22-0748
JOB NO.: 03-22-0748

TABLES

TABLE 1

PROJECT NO: 03-22-0748

Historical Groundwater Gauging Data

WELL ID	DATE	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICKNESS	TOC ELEVATION	CORRECT GW ELEVATION	COMMENTS
MW-1							
MW-1	7/31/2023	ND	8.40	NA	928.20	919.80	GWS 3Q23
MW-1	12/5/2023	ND	11.55	NA	928.2	916.65	GWS 4Q23
MW-1	2/5/2024	ND	4.09	NA	928.2	924.11	GWS 1Q24
MW-2							
MW-2	7/31/2023	ND	6.41	NA	926.28	919.87	GWS 3Q23
MW-2	12/5/2023	ND	8.55	NA	926.28	917.73	GWS 4Q23
MW-2	2/5/2024	ND	1.99	NA	926.28	924.29	GWS 1Q24
MW-3							
MW-3	7/31/2023	ND	7.50	NA	926.05	918.55	GWS 3Q23
MW-3	12/5/2023	ND	8.84	NA	926.05	917.21	GWS 4Q23
MW-3	2/5/2024	ND	2.33	NA	926.05	923.72	GWS 1Q24

Notes:
ND = Not Detected
NA = Not Applicable
TOC = Top of Casing
GWS = Groundwater Sampling
GWG = Groundwater Gauging
All measurements are in feet (ft).
LPH = Liquid Phase Hydrocarbon
TOC Elevations are based on an assumed datum of 100 feet.

Lee Delauter & Sons, Inc.
12037 Wolfsville Road
Myersville, Maryland

TABLE 2

Historical Groundwater Analytical Data

Lee Dealuter Sons, Inc.

Myersville, Maryland

Sample Identification	DATE	TPH-DRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Ethylbenzene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)
MDE Groundwater Standards Type I and II Aquifers*	Oct-18	**47**	**47**	**5**	**700**	**20**	**0.17**	**1,000**	**10,000**	-
MW-1										
MW-1	7/31/2023	**130**	25 J	<0.30	<0.40	0.90 J	<1.0	<0.30	<0.40	-
MW-1	12/5/2023	**170**	<23	<0.30	<0.40	2.3	<1.0	<0.30	<0.40	-
MW-1	2/5/2024	**240**	<23	<0.30	<0.40	1.3	<1.0	<0.30	<0.40	-
MW-2										
MW-2	7/31/2023	**1100**	**1300**	1.9	26	0.60 J	**18**	1.8	25	54.7
MW-2	12/5/2023	**1400**	**2800**	3.0	18	<0.20	**9.2**	1.5	13	35.5
MW-2	2/5/2024	**5400**	**1500**	**5.4**	9.4	0.59 J	**4**	0.78	4.6	20.18
MW-3										
MW-3	7/31/2023	**310**	**1200**	<0.30	6.4	0.27 J	**5.5**	0.60 J	6.6	13.6
MW-3	12/5/2023	**280**	**750**	<0.30	6.2	<0.20	**2.2 J**	0.56 J	0.58 J	7.34
MW-3	2/5/2024	**140**	34	<0.30	<0.40	<0.20	<1.0	<0.30	<0.40	-
Drinking Water Supply Well										
DW Supply Well	12/5/2023	NA	NA	<0.10	<0.10	0.15 J	<0.20	<0.10	<0.10	-

NOTES:

< = Not Detected at a concentration greater than or equal to the analytical method detection limit (MDL).

* = Maryland Department of the Environment (MDE) Table 1 - Generic Numeric Cleanup Standards for Groundwater and Soil, revised October 2018.

NA= Not Analyzed

Bold = At or Above MDE Groundwater Standard

MTBE = Methyl tertiary butyl ether

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

µg/L = Micrograms per Liter

J = Analyte detected at a level less than the Reporting Limit (RL)and greater than or equal to the Method Detection Limit (MDL), Concentrations within this range are estimated.

= Most recent quarterly event

EUROFINS LABORATORY ANALYTICAL REPORT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Kainen Marks
Triad Engineering, Inc.
1075 D Sherman Avenue
Hagerstown, Maryland 21740

Generated 2/16/2024 2:13:28 PM

JOB DESCRIPTION

03-22-0748 Lee Delauter & Sons

JOB NUMBER

410-160431-1

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

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2/16/2024 2:13:28 PM

Authorized for release by
Kelly Bauer, Project Manager
Kelly.Bauer@et.eurofinsus.com
(717)556-7262

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

Definitions/Glossary

Client: Triad Engineering, Inc. Job ID: 410-160431-1
Project/Site: 03-22-0748 Lee Delauter & Sons

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.

GC 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

Job ID: 410-160431-1 Eurofins Lancaster Laboratories Environment

Job Narrative
410-160431-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- 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 may be 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.

Receipt
The samples were received on 2/9/2024 4:56 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 3.2°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
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics
Method 8015D_GRO: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-2 (410-160431-2). Elevated reporting limits (RLs) are provided.

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: Triad Engineering, Inc.
Project/Site: 03-22-0748 Lee Delauter & Sons

Job ID: 410-160431-1

Client Sample ID: MW-1 — Lab Sample ID: 410-160431-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.9		1.0	0.30	ug/L	1		8260D	Total/NA
Methyl-t-Butyl Ether (MTBE)	1.3		1.0	0.20	ug/L	1		8260D	Total/NA
Tetrachloroethene	4.6		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	6.7		1.0	0.30	ug/L	1		8260D	Total/NA
DRO (C10-C28)	240		100	45	ug/L	1		8015D	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 410-160431-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	0.83	J	1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	12		10	0.50	ug/L	1		8260D	Total/NA
Benzene	5.4		1.0	0.30	ug/L	1		8260D	Total/NA
Chloroform	1.9		1.0	0.30	ug/L	1		8260D	Total/NA
Cyclohexane	30		5.0	1.0	ug/L	1		8260D	Total/NA
Ethylbenzene	9.4		1.0	0.40	ug/L	1		8260D	Total/NA
Isopropyl Ether (DIPE)	0.86	J	1.0	0.30	ug/L	1		8260D	Total/NA
Isopropylbenzene	11		5.0	0.30	ug/L	1		8260D	Total/NA
Methylcyclohexane	17		5.0	0.50	ug/L	1		8260D	Total/NA
Methyl-t-Butyl Ether (MTBE)	0.59	J	1.0	0.20	ug/L	1		8260D	Total/NA
Naphthalene	4.0	J	5.0	1.0	ug/L	1		8260D	Total/NA
tert-Butyl alcohol (TBA)	67		50	12	ug/L	1		8260D	Total/NA
Toluene	0.78	J	1.0	0.30	ug/L	1		8260D	Total/NA
Xylenes, Total	4.6		1.0	0.40	ug/L	1		8260D	Total/NA
GRO (1C)	1500	cn	250	120	ug/L	5		8015D	Total/NA
DRO (C10-C28)	5400		100	45	ug/L	1		8015D	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 410-160431-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
GRO (1C)	34	J	50	23	ug/L	1		8015D	Total/NA
DRO (C10-C28)	140		100	46	ug/L	1		8015D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Triad Engineering, Inc.
Project/Site: 03-22-0748 Lee Delauter & Sons

Job ID: 410-160431-1

Client Sample ID: MW-1
Date Collected: 02/05/24 09:40
Date Received: 02/09/24 16:56

Lab Sample ID: 410-160431-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			02/16/24 05:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			02/16/24 05:04	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			02/16/24 05:04	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			02/16/24 05:04	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			02/16/24 05:04	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			02/16/24 05:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			02/16/24 05:04	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			02/16/24 05:04	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			02/16/24 05:04	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			02/16/24 05:04	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			02/16/24 05:04	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			02/16/24 05:04	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			02/16/24 05:04	1
2-Butanone	ND		10	0.50	ug/L			02/16/24 05:04	1
2-Hexanone	ND		10	0.85	ug/L			02/16/24 05:04	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			02/16/24 05:04	1
Acetone	ND		20	0.70	ug/L			02/16/24 05:04	1
Benzene	ND		1.0	0.30	ug/L			02/16/24 05:04	1
Bromodichloromethane	ND		1.0	0.20	ug/L			02/16/24 05:04	1
Bromoform	ND		4.0	1.0	ug/L			02/16/24 05:04	1
Bromomethane	ND		1.0	0.30	ug/L			02/16/24 05:04	1
Carbon disulfide	ND		5.0	0.30	ug/L			02/16/24 05:04	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			02/16/24 05:04	1
Chlorobenzene	ND		1.0	0.30	ug/L			02/16/24 05:04	1
Chloroethane	ND		1.0	0.30	ug/L			02/16/24 05:04	1
Chloroform	ND		1.0	0.30	ug/L			02/16/24 05:04	1
Chloromethane	ND		2.0	0.55	ug/L			02/16/24 05:04	1
cis-1,2-Dichloroethene	**3.9**		1.0	0.30	ug/L			02/16/24 05:04	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			02/16/24 05:04	1
Cyclohexane	ND		5.0	1.0	ug/L			02/16/24 05:04	1
Dibromochloromethane	ND		1.0	0.20	ug/L			02/16/24 05:04	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			02/16/24 05:04	1
Ethylbenzene	ND		1.0	0.40	ug/L			02/16/24 05:04	1
Ethyl-t-butyl ether (ETBE)	ND		1.0	0.30	ug/L			02/16/24 05:04	1
Freon 113	ND		10	0.30	ug/L			02/16/24 05:04	1
Isopropyl Ether (DIPE)	ND		1.0	0.30	ug/L			02/16/24 05:04	1
Isopropylbenzene	ND		5.0	0.30	ug/L			02/16/24 05:04	1
Methyl acetate	ND		5.0	0.30	ug/L			02/16/24 05:04	1
Methylcyclohexane	ND		5.0	0.50	ug/L			02/16/24 05:04	1
Methylene Chloride	ND		1.0	0.30	ug/L			02/16/24 05:04	1
Methyl-t-Butyl Ether (MTBE)	**1.3**		1.0	0.20	ug/L			02/16/24 05:04	1
Naphthalene	ND		5.0	1.0	ug/L			02/16/24 05:04	1
Styrene	ND		5.0	0.30	ug/L			02/16/24 05:04	1
Tert-amyl-methyl ether (TAME)	ND		5.0	0.80	ug/L			02/16/24 05:04	1
tert-Butyl alcohol (TBA)	ND		50	12	ug/L			02/16/24 05:04	1
Tetrachloroethene	**4.6**		1.0	0.30	ug/L			02/16/24 05:04	1
Toluene	ND		1.0	0.30	ug/L			02/16/24 05:04	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			02/16/24 05:04	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			02/16/24 05:04	1

Client Sample ID: MW-1
Lab Sample ID: 410-160431-1

Date Collected: 02/05/24 09:40
Matrix: Water
Date Received: 02/09/24 16:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**6.7**		1.0	0.30	ug/L			02/16/24 05:04	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			02/16/24 05:04	1
Vinyl chloride	ND		1.0	0.30	ug/L			02/16/24 05:04	1
Xylenes, Total	ND		1.0	0.40	ug/L			02/16/24 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*02/16/24 05:04*	*1*
4-Bromofluorobenzene (Surr)	*87*		*80 - 120*		*02/16/24 05:04*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*02/16/24 05:04*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*02/16/24 05:04*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		50	23	ug/L			02/14/24 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*100*		*63 - 135*		*02/14/24 22:09*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	**240**		100	45	ug/L		02/12/24 15:48	02/14/24 08:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*82*		*32 - 125*	*02/12/24 15:48*	*02/14/24 08:18*	*1*

Client Sample ID: MW-2
Lab Sample ID: 410-160431-2

Date Collected: 02/05/24 09:00
Matrix: Water
Date Received: 02/09/24 16:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			02/16/24 05:24	1
1,1,2,2-Tetrachloroethane	**0.83**	**J**	1.0	0.30	ug/L			02/16/24 05:24	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			02/16/24 05:24	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			02/16/24 05:24	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			02/16/24 05:24	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			02/16/24 05:24	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			02/16/24 05:24	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			02/16/24 05:24	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			02/16/24 05:24	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			02/16/24 05:24	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			02/16/24 05:24	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			02/16/24 05:24	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			02/16/24 05:24	1
2-Butanone	**12**		10	0.50	ug/L			02/16/24 05:24	1
2-Hexanone	ND		10	0.85	ug/L			02/16/24 05:24	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			02/16/24 05:24	1
Acetone	ND		20	0.70	ug/L			02/16/24 05:24	1
Benzene	**5.4**		1.0	0.30	ug/L			02/16/24 05:24	1
Bromodichloromethane	ND		1.0	0.20	ug/L			02/16/24 05:24	1
Bromoform	ND		4.0	1.0	ug/L			02/16/24 05:24	1

Client Sample ID: MW-2
Date Collected: 02/05/24 09:00
Date Received: 02/09/24 16:56

Lab Sample ID: 410-160431-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.30	ug/L			02/16/24 05:24	1
Carbon disulfide	ND		5.0	0.30	ug/L			02/16/24 05:24	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			02/16/24 05:24	1
Chlorobenzene	ND		1.0	0.30	ug/L			02/16/24 05:24	1
Chloroethane	ND		1.0	0.30	ug/L			02/16/24 05:24	1
Chloroform	**1.9**		1.0	0.30	ug/L			02/16/24 05:24	1
Chloromethane	ND		2.0	0.55	ug/L			02/16/24 05:24	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			02/16/24 05:24	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			02/16/24 05:24	1
Cyclohexane	**30**		5.0	1.0	ug/L			02/16/24 05:24	1
Dibromochloromethane	ND		1.0	0.20	ug/L			02/16/24 05:24	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			02/16/24 05:24	1
Ethylbenzene	**9.4**		1.0	0.40	ug/L			02/16/24 05:24	1
Ethyl-t-butyl ether (ETBE)	ND		1.0	0.30	ug/L			02/16/24 05:24	1
Freon 113	ND		10	0.30	ug/L			02/16/24 05:24	1
Isopropyl Ether (DIPE)	**0.86**	**J**	1.0	0.30	ug/L			02/16/24 05:24	1
Isopropylbenzene	**11**		5.0	0.30	ug/L			02/16/24 05:24	1
Methyl acetate	ND		5.0	0.30	ug/L			02/16/24 05:24	1
Methylcyclohexane	**17**		5.0	0.50	ug/L			02/16/24 05:24	1
Methylene Chloride	ND		1.0	0.30	ug/L			02/16/24 05:24	1
Methyl-t-Butyl Ether (MTBE)	**0.59**	**J**	1.0	0.20	ug/L			02/16/24 05:24	1
Naphthalene	**4.0**	**J**	5.0	1.0	ug/L			02/16/24 05:24	1
Styrene	ND		5.0	0.30	ug/L			02/16/24 05:24	1
Tert-amyl-methyl ether (TAME)	ND		5.0	0.80	ug/L			02/16/24 05:24	1
tert-Butyl alcohol (TBA)	**67**		50	12	ug/L			02/16/24 05:24	1
Tetrachloroethene	ND		1.0	0.30	ug/L			02/16/24 05:24	1
Toluene	**0.78**	**J**	1.0	0.30	ug/L			02/16/24 05:24	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			02/16/24 05:24	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			02/16/24 05:24	1
Trichloroethene	ND		1.0	0.30	ug/L			02/16/24 05:24	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			02/16/24 05:24	1
Vinyl chloride	ND		1.0	0.30	ug/L			02/16/24 05:24	1
Xylenes, Total	**4.6**		1.0	0.40	ug/L			02/16/24 05:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*02/16/24 05:24*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*02/16/24 05:24*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*02/16/24 05:24*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*02/16/24 05:24*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	**1500**	**cn**	250	120	ug/L			02/14/24 22:59	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*98*	*cn*	*63 - 135*		*02/14/24 22:59*	*5*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	**5400**		100	45	ug/L		02/12/24 15:48	02/14/24 08:41	1

Client: Triad Engineering, Inc.
Job ID: 410-160431-1
Project/Site: 03-22-0748 Lee Delauter & Sons

Client Sample ID: MW-2
Lab Sample ID: 410-160431-2
Date Collected: 02/05/24 09:00
Matrix: Water
Date Received: 02/09/24 16:56

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o- terphenyl (Surr)	81		32 - 125	02/12/24 15:48	02/14/24 08:41	1

Client Sample ID: MW-3
Lab Sample ID: 410-160431-3
Date Collected: 02/05/24 09:20
Matrix: Water
Date Received: 02/09/24 16:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			02/16/24 05:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			02/16/24 05:44	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			02/16/24 05:44	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			02/16/24 05:44	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			02/16/24 05:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			02/16/24 05:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			02/16/24 05:44	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			02/16/24 05:44	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			02/16/24 05:44	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			02/16/24 05:44	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			02/16/24 05:44	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			02/16/24 05:44	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			02/16/24 05:44	1
2-Butanone	ND		10	0.50	ug/L			02/16/24 05:44	1
2-Hexanone	ND		10	0.85	ug/L			02/16/24 05:44	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			02/16/24 05:44	1
Acetone	ND		20	0.70	ug/L			02/16/24 05:44	1
Benzene	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Bromodichloromethane	ND		1.0	0.20	ug/L			02/16/24 05:44	1
Bromoform	ND		4.0	1.0	ug/L			02/16/24 05:44	1
Bromomethane	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Carbon disulfide	ND		5.0	0.30	ug/L			02/16/24 05:44	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Chlorobenzene	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Chloroethane	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Chloroform	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Chloromethane	ND		2.0	0.55	ug/L			02/16/24 05:44	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			02/16/24 05:44	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			02/16/24 05:44	1
Cyclohexane	ND		5.0	1.0	ug/L			02/16/24 05:44	1
Dibromochloromethane	ND		1.0	0.20	ug/L			02/16/24 05:44	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Ethylbenzene	ND		1.0	0.40	ug/L			02/16/24 05:44	1
Ethyl-t-butyl ether (ETBE)	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Freon 113	ND		10	0.30	ug/L			02/16/24 05:44	1
Isopropyl Ether (DIPE)	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Isopropylbenzene	ND		5.0	0.30	ug/L			02/16/24 05:44	1
Methyl acetate	ND		5.0	0.30	ug/L			02/16/24 05:44	1
Methylcyclohexane	ND		5.0	0.50	ug/L			02/16/24 05:44	1
Methylene Chloride	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.20	ug/L			02/16/24 05:44	1
Naphthalene	ND		5.0	1.0	ug/L			02/16/24 05:44	1

Client Sample ID: MW-3
Lab Sample ID: 410-160431-3
Date Collected: 02/05/24 09:20
Matrix: Water
Date Received: 02/09/24 16:56

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0	0.30	ug/L			02/16/24 05:44	1
Tert-amyl-methyl ether (TAME)	ND		5.0	0.80	ug/L			02/16/24 05:44	1
tert-Butyl alcohol (TBA)	ND		50	12	ug/L			02/16/24 05:44	1
Tetrachloroethene	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Toluene	ND		1.0	0.30	ug/L			02/16/24 05:44	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			02/16/24 05:44	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			02/16/24 05:44	1
Trichloroethene	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Vinyl chloride	ND		1.0	0.30	ug/L			02/16/24 05:44	1
Xylenes, Total	ND		1.0	0.40	ug/L			02/16/24 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*02/16/24 05:44*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*02/16/24 05:44*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*02/16/24 05:44*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*02/16/24 05:44*	*1*

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	**34**	**J**	50	23	ug/L			02/14/24 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*101*		*63 - 135*		*02/14/24 22:34*	*1*

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	**140**		100	46	ug/L		02/12/24 15:48	02/14/24 09:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*87*		*32 - 125*	*02/12/24 15:48*	*02/14/24 09:04*	*1*

Surrogate Summary

Client: Triad Engineering, Inc.
Project/Site: 03-22-0748 Lee Delauter & Sons

Job ID: 410-160431-1

Method: 8260D - 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)
410-160431-1	MW-1	109	87	107	106
410-160431-2	MW-2	101	95	107	110
410-160431-3	MW-3	104	90	109	107
LCS 410-473916/4	Lab Control Sample	109	88	105	106
LCSD 410-473916/5	Lab Control Sample Dup	110	90	106	104
MB 410-473916/7	Method Blank	110	88	108	105

Surrogate Legend

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

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		TFT-F1
Lab Sample ID	Client Sample ID	(63-135)
410-160431-1	MW-1	100
410-160431-2	MW-2	98 cn
410-160431-3	MW-3	101
LCS 410-473166/6	Lab Control Sample	95
LCSD 410-473166/7	Lab Control Sample Dup	95
MB 410-473166/5	Method Blank	104

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		OTP
Lab Sample ID	Client Sample ID	(32-125)
410-160431-1	MW-1	82
410-160431-2	MW-2	81
410-160431-3	MW-3	87
LCS 410-472538/2-A	Lab Control Sample	82
LCSD 410-472538/3-A	Lab Control Sample Dup	81
MB 410-472538/1-A	Method Blank	70

Surrogate Legend

OTP = o- terphenyl (Surr)

Client: Triad Engineering, Inc.
Project/Site: 03-22-0748 Lee Delauter & Sons

Job ID: 410-160431-1

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

Lab Sample ID: MB 410-473916/7
Matrix: Water
Analysis Batch: 473916

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			02/15/24 21:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			02/15/24 21:27	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			02/15/24 21:27	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			02/15/24 21:27	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			02/15/24 21:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			02/15/24 21:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			02/15/24 21:27	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			02/15/24 21:27	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			02/15/24 21:27	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			02/15/24 21:27	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			02/15/24 21:27	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			02/15/24 21:27	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			02/15/24 21:27	1
2-Butanone	ND		10	0.50	ug/L			02/15/24 21:27	1
2-Hexanone	ND		10	0.85	ug/L			02/15/24 21:27	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			02/15/24 21:27	1
Acetone	ND		20	0.70	ug/L			02/15/24 21:27	1
Benzene	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Bromodichloromethane	ND		1.0	0.20	ug/L			02/15/24 21:27	1
Bromoform	ND		4.0	1.0	ug/L			02/15/24 21:27	1
Bromomethane	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Carbon disulfide	ND		5.0	0.30	ug/L			02/15/24 21:27	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Chlorobenzene	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Chloroethane	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Chloroform	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Chloromethane	ND		2.0	0.55	ug/L			02/15/24 21:27	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			02/15/24 21:27	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			02/15/24 21:27	1
Cyclohexane	ND		5.0	1.0	ug/L			02/15/24 21:27	1
Dibromochloromethane	ND		1.0	0.20	ug/L			02/15/24 21:27	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Ethylbenzene	ND		1.0	0.40	ug/L			02/15/24 21:27	1
Ethyl-t-butyl ether (ETBE)	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Freon 113	ND		10	0.30	ug/L			02/15/24 21:27	1
Isopropyl Ether (DIPE)	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Isopropylbenzene	ND		5.0	0.30	ug/L			02/15/24 21:27	1
Methyl acetate	ND		5.0	0.30	ug/L			02/15/24 21:27	1
Methylcyclohexane	ND		5.0	0.50	ug/L			02/15/24 21:27	1
Methylene Chloride	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.20	ug/L			02/15/24 21:27	1
Naphthalene	ND		5.0	1.0	ug/L			02/15/24 21:27	1
Styrene	ND		5.0	0.30	ug/L			02/15/24 21:27	1
Tert-amyl-methyl ether (TAME)	ND		5.0	0.80	ug/L			02/15/24 21:27	1
tert-Butyl alcohol (TBA)	ND		50	12	ug/L			02/15/24 21:27	1
Tetrachloroethene	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Toluene	ND		1.0	0.30	ug/L			02/15/24 21:27	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			02/15/24 21:27	1

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

Lab Sample ID: MB 410-473916/7
Matrix: Water
Analysis Batch: 473916

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			02/15/24 21:27	1
Trichloroethene	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Vinyl chloride	ND		1.0	0.30	ug/L			02/15/24 21:27	1
Xylenes, Total	ND		1.0	0.40	ug/L			02/15/24 21:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*02/15/24 21:27*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*02/15/24 21:27*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*02/15/24 21:27*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*02/15/24 21:27*	*1*

Lab Sample ID: LCS 410-473916/4
Matrix: Water
Analysis Batch: 473916

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	19.6		ug/L		98	67 - 126
1,1,2,2-Tetrachloroethane	20.0	18.5		ug/L		92	72 - 120
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	80 - 120
1,1-Dichloroethane	20.0	19.7		ug/L		99	80 - 120
1,1-Dichloroethene	20.0	20.2		ug/L		101	80 - 131
1,2,4-Trichlorobenzene	20.0	19.7		ug/L		98	63 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.9		ug/L		85	47 - 131
1,2-Dibromoethane	20.0	19.2		ug/L		96	77 - 120
1,2-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120
1,2-Dichloroethane	20.0	17.4		ug/L		87	73 - 124
1,2-Dichloropropane	20.0	19.6		ug/L		98	80 - 120
1,3-Dichlorobenzene	20.0	19.1		ug/L		95	80 - 120
1,4-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 120
2-Butanone	250	224		ug/L		90	59 - 135
2-Hexanone	250	226		ug/L		90	56 - 135
4-Methyl-2-pentanone	250	233		ug/L		93	62 - 133
Acetone	250	227		ug/L		91	54 - 157
Benzene	20.0	19.9		ug/L		99	80 - 120
Bromodichloromethane	20.0	20.8		ug/L		104	71 - 120
Bromoform	20.0	23.4		ug/L		117	51 - 120
Bromomethane	20.0	17.6		ug/L		88	53 - 128
Carbon disulfide	20.0	17.4		ug/L		87	65 - 128
Carbon tetrachloride	20.0	22.0		ug/L		110	64 - 134
Chlorobenzene	20.0	20.3		ug/L		101	80 - 120
Chloroethane	20.0	18.5		ug/L		93	55 - 123
Chloroform	20.0	18.9		ug/L		94	80 - 120
Chloromethane	20.0	16.1		ug/L		80	56 - 121
cis-1,2-Dichloroethene	20.0	19.4		ug/L		97	80 - 125
cis-1,3-Dichloropropene	20.0	17.7		ug/L		89	75 - 120
Cyclohexane	20.0	18.4		ug/L		92	68 - 126
Dibromochloromethane	20.0	22.8		ug/L		114	71 - 120

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

Lab Sample ID: LCS 410-473916/4
Matrix: Water
Analysis Batch: 473916

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dichlorodifluoromethane			20.0	14.3		ug/L		71	41 - 127		
Ethylbenzene			20.0	19.6		ug/L		98	80 - 120		
Ethyl-t-butyl ether (ETBE)			20.0	16.2		ug/L		81	68 - 121		
Freon 113			20.0	17.7		ug/L		88	73 - 139		
Isopropyl Ether (DIPE)			20.0	18.0		ug/L		90	70 - 124		
Isopropylbenzene			20.0	21.3		ug/L		106	80 - 120		
Methyl acetate			20.0	20.0		ug/L		100	54 - 136		
Methylcyclohexane			20.0	18.8		ug/L		94	67 - 121		
Methylene Chloride			20.0	18.7		ug/L		93	80 - 120		
Methyl-t-Butyl Ether (MTBE)			20.0	16.2		ug/L		81	69 - 122		
Naphthalene			20.0	18.1		ug/L		90	53 - 124		
Styrene			20.0	17.7		ug/L		88	80 - 120		
Tert-amyl-methyl ether (TAME)			20.0	16.7		ug/L		84	66 - 120		
tert-Butyl alcohol (TBA)			200	229		ug/L		115	60 - 130		
Tetrachloroethene			20.0	21.7		ug/L		109	80 - 120		
Toluene			20.0	19.7		ug/L		99	80 - 120		
trans-1,2-Dichloroethene			20.0	18.8		ug/L		94	80 - 126		
trans-1,3-Dichloropropene			20.0	19.2		ug/L		96	67 - 120		
Trichloroethene			20.0	19.9		ug/L		100	80 - 120		
Trichlorofluoromethane			20.0	17.2		ug/L		86	55 - 135		
Vinyl chloride			20.0	16.8		ug/L		84	56 - 120		
Xylenes, Total			60.0	58.5		ug/L		98	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: LCSD 410-473916/5
Matrix: Water
Analysis Batch: 473916

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-Trichloroethane			20.0	19.3		ug/L		96	67 - 126	2	30
1,1,2,2-Tetrachloroethane			20.0	18.2		ug/L		91	72 - 120	2	30
1,1,2-Trichloroethane			20.0	19.3		ug/L		96	80 - 120	2	30
1,1-Dichloroethane			20.0	19.8		ug/L		99	80 - 120	0	30
1,1-Dichloroethene			20.0	20.0		ug/L		100	80 - 131	1	30
1,2,4-Trichlorobenzene			20.0	18.1		ug/L		91	63 - 120	8	30
1,2-Dibromo-3-Chloropropane			20.0	16.5		ug/L		82	47 - 131	3	30
1,2-Dibromoethane			20.0	18.8		ug/L		94	77 - 120	2	30
1,2-Dichlorobenzene			20.0	18.9		ug/L		94	80 - 120	5	30
1,2-Dichloroethane			20.0	17.8		ug/L		89	73 - 124	2	30
1,2-Dichloropropane			20.0	20.2		ug/L		101	80 - 120	3	30
1,3-Dichlorobenzene			20.0	18.4		ug/L		92	80 - 120	3	30
1,4-Dichlorobenzene			20.0	18.6		ug/L		93	80 - 120	2	30
2-Butanone			250	232		ug/L		93	59 - 135	3	30

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

Lab Sample ID: LCSD 410-473916/5
Matrix: Water
Analysis Batch: 473916

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
2-Hexanone			250	233		ug/L		93	56 - 135	3	30
4-Methyl-2-pentanone			250	242		ug/L		97	62 - 133	3	30
Acetone			250	253		ug/L		101	54 - 157	11	30
Benzene			20.0	19.6		ug/L		98	80 - 120	1	30
Bromodichloromethane			20.0	20.0		ug/L		100	71 - 120	4	30
Bromoform			20.0	23.2		ug/L		116	51 - 120	0	30
Bromomethane			20.0	17.7		ug/L		88	53 - 128	0	30
Carbon disulfide			20.0	17.9		ug/L		90	65 - 128	3	30
Carbon tetrachloride			20.0	21.2		ug/L		106	64 - 134	4	30
Chlorobenzene			20.0	20.1		ug/L		100	80 - 120	1	30
Chloroethane			20.0	18.3		ug/L		92	55 - 123	1	30
Chloroform			20.0	18.6		ug/L		93	80 - 120	1	30
Chloromethane			20.0	16.2		ug/L		81	56 - 121	1	30
cis-1,2-Dichloroethene			20.0	19.4		ug/L		97	80 - 125	0	30
cis-1,3-Dichloropropene			20.0	17.7		ug/L		88	75 - 120	0	30
Cyclohexane			20.0	18.2		ug/L		91	68 - 126	1	30
Dibromochloromethane			20.0	22.2		ug/L		111	71 - 120	3	30
Dichlorodifluoromethane			20.0	14.1		ug/L		71	41 - 127	1	30
Ethylbenzene			20.0	19.2		ug/L		96	80 - 120	2	30
Ethyl-t-butyl ether (ETBE)			20.0	17.1		ug/L		85	68 - 121	5	30
Freon 113			20.0	17.1		ug/L		86	73 - 139	3	30
Isopropyl Ether (DIPE)			20.0	18.0		ug/L		90	70 - 124	0	30
Isopropylbenzene			20.0	21.0		ug/L		105	80 - 120	2	30
Methyl acetate			20.0	16.5		ug/L		83	54 - 136	19	30
Methylcyclohexane			20.0	17.9		ug/L		90	67 - 121	5	30
Methylene Chloride			20.0	19.0		ug/L		95	80 - 120	2	30
Methyl-t-Butyl Ether (MTBE)			20.0	16.3		ug/L		82	69 - 122	1	30
Naphthalene			20.0	17.2		ug/L		86	53 - 124	5	30
Styrene			20.0	18.3		ug/L		91	80 - 120	4	30
Tert-amyl-methyl ether (TAME)			20.0	16.8		ug/L		84	66 - 120	1	30
tert-Butyl alcohol (TBA)			200	229		ug/L		114	60 - 130	0	30
Tetrachloroethene			20.0	20.8		ug/L		104	80 - 120	4	30
Toluene			20.0	19.1		ug/L		95	80 - 120	3	30
trans-1,2-Dichloroethene			20.0	19.6		ug/L		98	80 - 126	4	30
trans-1,3-Dichloropropene			20.0	18.5		ug/L		93	67 - 120	3	30
Trichloroethene			20.0	19.5		ug/L		98	80 - 120	2	30
Trichlorofluoromethane			20.0	16.9		ug/L		85	55 - 135	2	30
Vinyl chloride			20.0	16.5		ug/L		82	56 - 120	2	30
Xylenes, Total			60.0	57.3		ug/L		96	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-473166/5
Matrix: Water
Analysis Batch: 473166

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			02/14/24 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene (fid) (1C)	*104*		*63 - 135*		*02/14/24 12:11*	*1*

Lab Sample ID: LCS 410-473166/6
Matrix: Water
Analysis Batch: 473166

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	1090		ug/L		99	70 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid) (1C)	*95*		*63 - 135*

Lab Sample ID: LCSD 410-473166/7
Matrix: Water
Analysis Batch: 473166

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	1110		ug/L		101	70 - 123	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene (fid) (1C)	*95*		*63 - 135*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-472538/1-A
Matrix: Water
Analysis Batch: 472996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 472538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		100	45	ug/L		02/12/24 15:48	02/14/24 02:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o- terphenyl (Surr)	*70*		*32 - 125*	*02/12/24 15:48*	*02/14/24 02:38*	*1*

Lab Sample ID: LCS 410-472538/2-A
Matrix: Water
Analysis Batch: 472996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 472538

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
DRO (C10-C28)			601	367		ug/L		61	20 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o- terphenyl (Surr)	*82*		*32 - 125*

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 410-472538/3-A
Matrix: Water
Analysis Batch: 472996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 472538

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
DRO (C10-C28)			601	312		ug/L		52	20 - 115	16	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o- terphenyl (Surr)	*81*		*32 - 125*

QC Association Summary

Client: Triad Engineering, Inc.
Job ID: 410-160431-1
Project/Site: 03-22-0748 Lee Delauter & Sons

GC/MS VOA

Analysis Batch: 473916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-160431-1	MW-1	Total/NA	Water	8260D	
410-160431-2	MW-2	Total/NA	Water	8260D	
410-160431-3	MW-3	Total/NA	Water	8260D	
MB 410-473916/7	Method Blank	Total/NA	Water	8260D	
LCS 410-473916/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-473916/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC VOA

Analysis Batch: 473166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-160431-1	MW-1	Total/NA	Water	8015D	
410-160431-2	MW-2	Total/NA	Water	8015D	
410-160431-3	MW-3	Total/NA	Water	8015D	
MB 410-473166/5	Method Blank	Total/NA	Water	8015D	
LCS 410-473166/6	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-473166/7	Lab Control Sample Dup	Total/NA	Water	8015D	

GC Semi VOA

Prep Batch: 472538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-160431-1	MW-1	Total/NA	Water	3510C	
410-160431-2	MW-2	Total/NA	Water	3510C	
410-160431-3	MW-3	Total/NA	Water	3510C	
MB 410-472538/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-472538/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-472538/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 472996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-160431-1	MW-1	Total/NA	Water	8015D	472538
410-160431-2	MW-2	Total/NA	Water	8015D	472538
410-160431-3	MW-3	Total/NA	Water	8015D	472538
MB 410-472538/1-A	Method Blank	Total/NA	Water	8015D	472538
LCS 410-472538/2-A	Lab Control Sample	Total/NA	Water	8015D	472538
LCSD 410-472538/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	472538

Lab Chronicle

Client: Triad Engineering, Inc.
Job ID: 410-160431-1
Project/Site: 03-22-0748 Lee Delauter & Sons

Client Sample ID: MW-1
Lab Sample ID: 410-160431-1
Date Collected: 02/05/24 09:40
Matrix: Water
Date Received: 02/09/24 16:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473916	K4WN	ELLE	02/16/24 05:04
Total/NA	Analysis	8015D		1	473166	SE8S	ELLE	02/14/24 22:09
Total/NA	Prep	3510C			472538	JDJ2	ELLE	02/12/24 15:48
Total/NA	Analysis	8015D		1	472996	UHEW	ELLE	02/14/24 08:18

Client Sample ID: MW-2
Lab Sample ID: 410-160431-2
Date Collected: 02/05/24 09:00
Matrix: Water
Date Received: 02/09/24 16:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473916	K4WN	ELLE	02/16/24 05:24
Total/NA	Analysis	8015D		5	473166	SE8S	ELLE	02/14/24 22:59
Total/NA	Prep	3510C			472538	JDJ2	ELLE	02/12/24 15:48
Total/NA	Analysis	8015D		1	472996	UHEW	ELLE	02/14/24 08:41

Client Sample ID: MW-3
Lab Sample ID: 410-160431-3
Date Collected: 02/05/24 09:20
Matrix: Water
Date Received: 02/09/24 16:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	473916	K4WN	ELLE	02/16/24 05:44
Total/NA	Analysis	8015D		1	473166	SE8S	ELLE	02/14/24 22:34
Total/NA	Prep	3510C			472538	JDJ2	ELLE	02/12/24 15:48
Total/NA	Analysis	8015D		1	472996	UHEW	ELLE	02/14/24 09:04

Laboratory References:

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

Accreditation/Certification Summary

Client: Triad Engineering, Inc.
Job ID: 410-160431-1
Project/Site: 03-22-0748 Lee Delauter & Sons

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
8015D		Water	GRO (1C)
8015D	3510C	Water	DRO (C10-C28)
8260D		Water	1,1,1-Trichloroethane
8260D		Water	1,1,2,2-Tetrachloroethane
8260D		Water	1,1,2-Trichloroethane
8260D		Water	1,1-Dichloroethane
8260D		Water	1,1-Dichloroethene
8260D		Water	1,2,4-Trichlorobenzene
8260D		Water	1,2-Dibromo-3-Chloropropane
8260D		Water	1,2-Dibromoethane
8260D		Water	1,2-Dichlorobenzene
8260D		Water	1,2-Dichloroethane
8260D		Water	1,2-Dichloropropane
8260D		Water	1,3-Dichlorobenzene
8260D		Water	1,4-Dichlorobenzene
8260D		Water	2-Butanone
8260D		Water	2-Hexanone
8260D		Water	4-Methyl-2-pentanone
8260D		Water	Acetone
8260D		Water	Benzene
8260D		Water	Bromodichloromethane
8260D		Water	Bromoform
8260D		Water	Bromomethane
8260D		Water	Carbon disulfide
8260D		Water	Carbon tetrachloride
8260D		Water	Chlorobenzene
8260D		Water	Chloroethane
8260D		Water	Chloroform
8260D		Water	Chloromethane
8260D		Water	cis-1,2-Dichloroethene
8260D		Water	cis-1,3-Dichloropropene
8260D		Water	Cyclohexane
8260D		Water	Dibromochloromethane
8260D		Water	Dichlorodifluoromethane
8260D		Water	Ethylbenzene
8260D		Water	Ethyl-t-butyl ether (ETBE)
8260D		Water	Freon 113
8260D		Water	Isopropyl Ether (DIPE)
8260D		Water	Isopropylbenzene
8260D		Water	Methyl acetate
8260D		Water	Methylcyclohexane
8260D		Water	Methylene Chloride
8260D		Water	Methyl-t-Butyl Ether (MTBE)
8260D		Water	Naphthalene
8260D		Water	Styrene

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
8260D		Water	Tert-amyl-methyl ether (TAME)
8260D		Water	tert-Butyl alcohol (TBA)
8260D		Water	Tetrachloroethene
8260D		Water	Toluene
8260D		Water	trans-1,2-Dichloroethene
8260D		Water	trans-1,3-Dichloropropene
8260D		Water	Trichloroethene
8260D		Water	Trichlorofluoromethane
8260D		Water	Vinyl chloride
8260D		Water	Xylenes, Total

Method Summary

Client: Triad Engineering, Inc.
Job ID: 410-160431-1
Project/Site: 03-22-0748 Lee Delauter & Sons

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	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

Sample Summary

Client: Triad Engineering, Inc.
Job ID: 410-160431-1
Project/Site: 03-22-0748 Lee Delauter & Sons

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-160431-1	MW-1	Water	02/05/24 09:40	02/09/24 16:56
410-160431-2	MW-2	Water	02/05/24 09:00	02/09/24 16:56
410-160431-3	MW-3	Water	02/05/24 09:20	02/09/24 16:56

410-160431 Chain of Custody

Chain of Custody Record

Harrisburg #267

eurofins | Environment Testing America

	Sampler: Adam Miller	Lab PM: Kelly Bauer	Carrier Tracking No(s):	COC No: 1
Client Contact: Kainen Marks	Phone: 301-797-6400	E-Mail: kelly.bauer@eurofinset.com	State of Origin: MD	Page: 1 of 1
Company: Triad Engineering, Inc.	PWSID:			Job #:
Address: 1075 D Sherman Ave.	Due Date Requested:			
City: Hagerstown	TAT Requested (days): Standard TAT			
State, Zip: Maryland, 21740	Compliance Project: Δ Yes Δ No			
Phone: 301-797-6400	PO #:			
Email: kmarks@triadeng.com	WO #:			
Project Name: 03-22-0748 Lee Delauter & Sons	Project #:			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Full-Suite VOCs, Including Fuel Oxygenates and Napthalene Method 8260	TPH-GRO Method 8015	TPH-DRO Method 8015	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	A		
MW-1	2/5/24	0940	G	W			X	X	X	8	
MW-2	2/5/24	0900	G	W			X	X	X	8	
MW-3	2/5/24	0920	G	W			X	X	X	8	

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

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

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

Special Instructions/QC Requirements:

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

	Date/Time	Company		Date/Time	Company
Relinquished by: Kainen Marks	Date/Time: 2/5/2024 1500	Company: Triad	Received by:	Date/Time: 2/9/24 1300	Company ETA
Relinquished by:	Date/Time: 2/9/24 15:45	Company ETA	Received by:	Date/Time: 2/9/24 15:45	Company ELE
Relinquished by:	Date/Time: 2/9/24 16:56	Company ELE	Received by:	Date/Time: 2/9/24 1656	Company ELE

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.1/3.2

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Triad Engineering, Inc.

Job Number: 410-160431-1

Login Number: 160431

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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=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	