



ZF Active Safety US Inc.

QUARTERLY REPORT NO. 1

**Former Kelsey-Hayes Company Site
Milford, Michigan**

Administrative Order By Consent
EGLE Reference No. AOC-RRD-22-005

December 5, 2023

**QUARTERLY REPORT NO. 1
FORMER KELSEY-HAYES COMPANY
MILFORD, MICHIGAN
ADMINISTRATIVE ORDER BY CONSENT
EGLE REFERENCE NO. AOC-RRD-22-005**

This quarterly report has been prepared and is being submitted pursuant to Section VII of the Administrative Order By Consent, Reference No. AOC-RRD-22-005 (AOC) issued by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) to ZF Active Safety US Inc. (ZF or Respondent) on September 5, 2023 (effective date), with respect to the former Kelsey-Hayes Company site in Milford, Michigan. This quarterly report provides information regarding performance of response activities that occurred from September 5, 2023, through December 4, 2023, required under the Monitoring Plan and Contingency Plan, which were included in the Technical Summary Report approved by EGLE on January 3, 2023, and submitted as a final document by Respondent on January 20, 2023.

Chronological Description of Activities Conducted During the Specified Reporting Period

- Observation wells OW-16D2R1 and OW-16D2R2 were sampled on November 14, 2023. The samples were submitted to Eurofins Canton, Ohio (Eurofins) for analysis of volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Test Method 8260D. Laboratory analytical results were submitted to EGLE and the Village of Milford (VOM) on December 4, 2023. Vinyl chloride was not detected at or above the reporting limit of 1.0 microgram per liter (µg/L) in any of the November 14, 2023 samples. The laboratory analytical report and field sampling logs are included in **Attachment 1**.

Results of Sampling and Tests and Other Data

- The laboratory analytical report for samples collected on November 14, 2023, from observation wells OW-16D2R1 and OW-16D2R2, was submitted to EGLE and VOM on December 4, 2023, and is included in **Attachment 1**. Vinyl chloride was not detected at or above the reporting limit of 1.0 µg/L in any of the November 14, 2023 samples.
- The summary table of laboratory analytical results of samples and field parameters collected from observation wells OW-16D2R1 and OW-16D2R2 was updated to incorporate the laboratory analytical results and field parameters from the November 14, 2023, sampling event and is included in **Attachment 2**.

Status of Access Issues

- There were no issues with access during the reporting period.

Areas of Concern

- There were no areas of concern identified during the reporting period.

Scheduled for the Next Reporting Period

- Conduct sampling at observation wells OW-16D2R1 and OW-16D2R2 in February 2024, with analysis of VOCs using USEPA Test Method 8260D by Eurofins within 10 to 14 days of sample collection.

Attachments

1. Laboratory Analytical Report and Field Sampling Logs (Observation Wells OW-16D2R1 and OW-16D2R2)
2. Summary Table of Analytical Results of Samples and Field Parameters (Observation Wells OW-16D2R1 and OW-16D2R2)

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28550 Cabot Drive, Suite 500
Novi
Michigan 48377
Phone: 248 994 2240
www.arcadis.com

Attachment 1

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TRW Milford

JOB NUMBER

240-195530-1

Eurofins Cleveland

Job Notes

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

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

Authorization



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Definitions/Glossary

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

Job ID: 240-195530-1

Laboratory: Eurofins Cleveland

Narrative

Job Narrative 240-195530-1

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 11/16/2023 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-595486 was outside the method criteria for the following analyte(s): 1,1,2-Trichloroethane, Ethylene Dibromide, Acetone, Bromoform, Bromomethane, Carbon disulfide, Carbon tetrachloride, Chlorodibromomethane, Isopropylbenzene, Styrene, trans-1,3-Dichloropropene, Trichlorofluoromethane and m-Xylene & p-Xylene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The MS/MSD for batch 240-595614 was not analyzed due to an instrument malfunction. The following sample was affected: TRIP_BLANK_111423 (240-195530-3)

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

Method Summary

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

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

Protocol References:

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

Laboratory References:

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



Sample Summary

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-195530-1	OW-16D2R1_111423	Water	11/14/23 08:45	11/16/23 08:00
240-195530-2	OW-16D2R2_111423	Water	11/14/23 09:30	11/16/23 08:00
240-195530-3	TRIP_BLANK_111423	Water	11/14/23 00:00	11/16/23 08:00
240-195530-4	EQUIPMENT_BLANK_111423	Water	11/14/23 09:45	11/16/23 08:00
240-195530-5	FIELD_BLANK_111423	Water	11/14/23 09:40	11/16/23 08:00

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Detection Summary

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

Client Sample ID: OW-16D2R1_111423

Lab Sample ID: 240-195530-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.0		1.0	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	19		1.0	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.3		1.0	ug/L	1		8260D	Total/NA

Client Sample ID: OW-16D2R2_111423

Lab Sample ID: 240-195530-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9.6		1.0	ug/L	1		8260D	Total/NA

Client Sample ID: TRIP_BLANK_111423

Lab Sample ID: 240-195530-3

No Detections.

Client Sample ID: EQUIPMENT_BLANK_111423

Lab Sample ID: 240-195530-4

No Detections.

Client Sample ID: FIELD_BLANK_111423

Lab Sample ID: 240-195530-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

Client: ZF Active Safety and Electronics LLC
 Project/Site: TRW Milford

Job ID: 240-195530-1

Client Sample ID: OW-16D2R1_111423

Lab Sample ID: 240-195530-1

Date Collected: 11/14/23 08:45

Matrix: Water

Date Received: 11/16/23 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 07:51	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	ug/L			11/22/23 07:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	ug/L			11/22/23 07:51	1
1,1,2-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 07:51	1
1,1-Dichloroethane	2.0		1.0	ug/L			11/22/23 07:51	1
1,1-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 07:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	ug/L			11/22/23 07:51	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	ug/L			11/22/23 07:51	1
Ethylene Dibromide	1.0	U	1.0	ug/L			11/22/23 07:51	1
1,2-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 07:51	1
1,2-Dichloroethane	1.0	U	1.0	ug/L			11/22/23 07:51	1
1,2-Dichloropropane	1.0	U	1.0	ug/L			11/22/23 07:51	1
1,3-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 07:51	1
1,4-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 07:51	1
2-Butanone (MEK)	10	U	10	ug/L			11/22/23 07:51	1
2-Hexanone	10	U	10	ug/L			11/22/23 07:51	1
4-Methyl-2-pentanone (MIBK)	10	U	10	ug/L			11/22/23 07:51	1
Acetone	10	U	10	ug/L			11/22/23 07:51	1
Benzene	1.0	U	1.0	ug/L			11/22/23 07:51	1
Dichlorobromomethane	1.0	U	1.0	ug/L			11/22/23 07:51	1
Bromoform	1.0	U	1.0	ug/L			11/22/23 07:51	1
Bromomethane	1.0	U	1.0	ug/L			11/22/23 07:51	1
Carbon disulfide	1.0	U	1.0	ug/L			11/22/23 07:51	1
Carbon tetrachloride	1.0	U	1.0	ug/L			11/22/23 07:51	1
Chlorobenzene	1.0	U	1.0	ug/L			11/22/23 07:51	1
Chloroethane	1.0	U	1.0	ug/L			11/22/23 07:51	1
Chloroform	1.0	U	1.0	ug/L			11/22/23 07:51	1
Chloromethane	1.0	U	1.0	ug/L			11/22/23 07:51	1
cis-1,2-Dichloroethene	19		1.0	ug/L			11/22/23 07:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 07:51	1
Cyclohexane	1.0	U	1.0	ug/L			11/22/23 07:51	1
Chlorodibromomethane	1.0	U	1.0	ug/L			11/22/23 07:51	1
Dichlorodifluoromethane	1.0	U	1.0	ug/L			11/22/23 07:51	1
Ethylbenzene	1.0	U	1.0	ug/L			11/22/23 07:51	1
Isopropylbenzene	1.0	U	1.0	ug/L			11/22/23 07:51	1
Methyl acetate	10	U	10	ug/L			11/22/23 07:51	1
Methyl tert-butyl ether	1.0	U	1.0	ug/L			11/22/23 07:51	1
Methylcyclohexane	1.0	U	1.0	ug/L			11/22/23 07:51	1
Methylene Chloride	5.0	U	5.0	ug/L			11/22/23 07:51	1
Styrene	1.0	U	1.0	ug/L			11/22/23 07:51	1
Tetrachloroethene	1.0	U	1.0	ug/L			11/22/23 07:51	1
Toluene	1.0	U	1.0	ug/L			11/22/23 07:51	1
trans-1,2-Dichloroethene	1.3		1.0	ug/L			11/22/23 07:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 07:51	1
Trichloroethene	1.0	U	1.0	ug/L			11/22/23 07:51	1
Trichlorofluoromethane	1.0	U	1.0	ug/L			11/22/23 07:51	1
Vinyl chloride	1.0	U	1.0	ug/L			11/22/23 07:51	1
Xylenes, Total	2.0	U	2.0	ug/L			11/22/23 07:51	1

Client Sample Results

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

Client Sample ID: OW-16D2R1_111423

Lab Sample ID: 240-195530-1

Date Collected: 11/14/23 08:45

Matrix: Water

Date Received: 11/16/23 08:00

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Toluene-d8 (Surr)	86		78 - 122		11/22/23 07:51	1
Dibromofluoromethane (Surr)	98		73 - 120		11/22/23 07:51	1
4-Bromofluorobenzene (Surr)	72		56 - 136		11/22/23 07:51	1
1,2-Dichloroethane-d4 (Surr)	108		62 - 137		11/22/23 07:51	1

Client Sample Results

Client: ZF Active Safety and Electronics LLC
 Project/Site: TRW Milford

Job ID: 240-195530-1

Client Sample ID: OW-16D2R2_111423

Lab Sample ID: 240-195530-2

Date Collected: 11/14/23 09:30

Matrix: Water

Date Received: 11/16/23 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 08:16	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	ug/L			11/22/23 08:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	ug/L			11/22/23 08:16	1
1,1,2-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 08:16	1
1,1-Dichloroethane	1.0	U	1.0	ug/L			11/22/23 08:16	1
1,1-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 08:16	1
1,2,4-Trichlorobenzene	1.0	U	1.0	ug/L			11/22/23 08:16	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	ug/L			11/22/23 08:16	1
Ethylene Dibromide	1.0	U	1.0	ug/L			11/22/23 08:16	1
1,2-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 08:16	1
1,2-Dichloroethane	1.0	U	1.0	ug/L			11/22/23 08:16	1
1,2-Dichloropropane	1.0	U	1.0	ug/L			11/22/23 08:16	1
1,3-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 08:16	1
1,4-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 08:16	1
2-Butanone (MEK)	10	U	10	ug/L			11/22/23 08:16	1
2-Hexanone	10	U	10	ug/L			11/22/23 08:16	1
4-Methyl-2-pentanone (MIBK)	10	U	10	ug/L			11/22/23 08:16	1
Acetone	10	U	10	ug/L			11/22/23 08:16	1
Benzene	1.0	U	1.0	ug/L			11/22/23 08:16	1
Dichlorobromomethane	1.0	U	1.0	ug/L			11/22/23 08:16	1
Bromoform	1.0	U	1.0	ug/L			11/22/23 08:16	1
Bromomethane	1.0	U	1.0	ug/L			11/22/23 08:16	1
Carbon disulfide	1.0	U	1.0	ug/L			11/22/23 08:16	1
Carbon tetrachloride	1.0	U	1.0	ug/L			11/22/23 08:16	1
Chlorobenzene	1.0	U	1.0	ug/L			11/22/23 08:16	1
Chloroethane	1.0	U	1.0	ug/L			11/22/23 08:16	1
Chloroform	1.0	U	1.0	ug/L			11/22/23 08:16	1
Chloromethane	1.0	U	1.0	ug/L			11/22/23 08:16	1
cis-1,2-Dichloroethene	9.6		1.0	ug/L			11/22/23 08:16	1
cis-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 08:16	1
Cyclohexane	1.0	U	1.0	ug/L			11/22/23 08:16	1
Chlorodibromomethane	1.0	U	1.0	ug/L			11/22/23 08:16	1
Dichlorodifluoromethane	1.0	U	1.0	ug/L			11/22/23 08:16	1
Ethylbenzene	1.0	U	1.0	ug/L			11/22/23 08:16	1
Isopropylbenzene	1.0	U	1.0	ug/L			11/22/23 08:16	1
Methyl acetate	10	U	10	ug/L			11/22/23 08:16	1
Methyl tert-butyl ether	1.0	U	1.0	ug/L			11/22/23 08:16	1
Methylcyclohexane	1.0	U	1.0	ug/L			11/22/23 08:16	1
Methylene Chloride	5.0	U	5.0	ug/L			11/22/23 08:16	1
Styrene	1.0	U	1.0	ug/L			11/22/23 08:16	1
Tetrachloroethene	1.0	U	1.0	ug/L			11/22/23 08:16	1
Toluene	1.0	U	1.0	ug/L			11/22/23 08:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 08:16	1
trans-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 08:16	1
Trichloroethene	1.0	U	1.0	ug/L			11/22/23 08:16	1
Trichlorofluoromethane	1.0	U	1.0	ug/L			11/22/23 08:16	1
Vinyl chloride	1.0	U	1.0	ug/L			11/22/23 08:16	1
Xylenes, Total	2.0	U	2.0	ug/L			11/22/23 08:16	1

Client Sample Results

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

Client Sample ID: OW-16D2R2_111423

Lab Sample ID: 240-195530-2

Date Collected: 11/14/23 09:30

Matrix: Water

Date Received: 11/16/23 08:00

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Toluene-d8 (Surr)	88		78 - 122		11/22/23 08:16	1
Dibromofluoromethane (Surr)	94		73 - 120		11/22/23 08:16	1
4-Bromofluorobenzene (Surr)	72		56 - 136		11/22/23 08:16	1
1,2-Dichloroethane-d4 (Surr)	106		62 - 137		11/22/23 08:16	1

Client Sample Results

Client: ZF Active Safety and Electronics LLC
 Project/Site: TRW Milford

Job ID: 240-195530-1

Client Sample ID: TRIP_BLANK_111423

Lab Sample ID: 240-195530-3

Date Collected: 11/14/23 00:00

Matrix: Water

Date Received: 11/16/23 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 02:32	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	ug/L			11/22/23 02:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	ug/L			11/22/23 02:32	1
1,1,2-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 02:32	1
1,1-Dichloroethane	1.0	U	1.0	ug/L			11/22/23 02:32	1
1,1-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 02:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:32	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	ug/L			11/22/23 02:32	1
Ethylene Dibromide	1.0	U	1.0	ug/L			11/22/23 02:32	1
1,2-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:32	1
1,2-Dichloroethane	1.0	U	1.0	ug/L			11/22/23 02:32	1
1,2-Dichloropropane	1.0	U	1.0	ug/L			11/22/23 02:32	1
1,3-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:32	1
1,4-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:32	1
2-Butanone (MEK)	10	U	10	ug/L			11/22/23 02:32	1
2-Hexanone	10	U	10	ug/L			11/22/23 02:32	1
4-Methyl-2-pentanone (MIBK)	10	U	10	ug/L			11/22/23 02:32	1
Acetone	10	U	10	ug/L			11/22/23 14:47	1
Benzene	1.0	U	1.0	ug/L			11/22/23 02:32	1
Dichlorobromomethane	1.0	U	1.0	ug/L			11/22/23 02:32	1
Bromoform	1.0	U	1.0	ug/L			11/22/23 02:32	1
Bromomethane	1.0	U	1.0	ug/L			11/22/23 02:32	1
Carbon disulfide	1.0	U	1.0	ug/L			11/22/23 02:32	1
Carbon tetrachloride	1.0	U	1.0	ug/L			11/22/23 02:32	1
Chlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:32	1
Chloroethane	1.0	U	1.0	ug/L			11/22/23 02:32	1
Chloroform	1.0	U	1.0	ug/L			11/22/23 02:32	1
Chloromethane	1.0	U	1.0	ug/L			11/22/23 02:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 02:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 02:32	1
Cyclohexane	1.0	U	1.0	ug/L			11/22/23 02:32	1
Chlorodibromomethane	1.0	U	1.0	ug/L			11/22/23 02:32	1
Dichlorodifluoromethane	1.0	U	1.0	ug/L			11/22/23 02:32	1
Ethylbenzene	1.0	U	1.0	ug/L			11/22/23 02:32	1
Isopropylbenzene	1.0	U	1.0	ug/L			11/22/23 02:32	1
Methyl acetate	10	U	10	ug/L			11/22/23 02:32	1
Methyl tert-butyl ether	1.0	U	1.0	ug/L			11/22/23 02:32	1
Methylcyclohexane	1.0	U	1.0	ug/L			11/22/23 02:32	1
Methylene Chloride	5.0	U	5.0	ug/L			11/22/23 02:32	1
Styrene	1.0	U	1.0	ug/L			11/22/23 02:32	1
Tetrachloroethene	1.0	U	1.0	ug/L			11/22/23 02:32	1
Toluene	1.0	U	1.0	ug/L			11/22/23 02:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 02:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 02:32	1
Trichloroethene	1.0	U	1.0	ug/L			11/22/23 02:32	1
Trichlorofluoromethane	1.0	U	1.0	ug/L			11/22/23 02:32	1
Vinyl chloride	1.0	U	1.0	ug/L			11/22/23 02:32	1
Xylenes, Total	2.0	U	2.0	ug/L			11/22/23 02:32	1

Client Sample Results

Client: ZF Active Safety and Electronics LLC
 Project/Site: TRW Milford

Job ID: 240-195530-1

Client Sample ID: TRIP_BLANK_111423

Lab Sample ID: 240-195530-3

Date Collected: 11/14/23 00:00

Matrix: Water

Date Received: 11/16/23 08:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	86		78 - 122		11/22/23 02:32	1
<i>Toluene-d8 (Surr)</i>	105		78 - 122		11/22/23 14:47	1
<i>Dibromofluoromethane (Surr)</i>	97		73 - 120		11/22/23 02:32	1
<i>Dibromofluoromethane (Surr)</i>	110		73 - 120		11/22/23 14:47	1
<i>4-Bromofluorobenzene (Surr)</i>	76		56 - 136		11/22/23 02:32	1
<i>4-Bromofluorobenzene (Surr)</i>	96		56 - 136		11/22/23 14:47	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	110		62 - 137		11/22/23 02:32	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	120		62 - 137		11/22/23 14:47	1

Client Sample Results

Client: ZF Active Safety and Electronics LLC
 Project/Site: TRW Milford

Job ID: 240-195530-1

Client Sample ID: EQUIPMENT_BLANK_111423

Lab Sample ID: 240-195530-4

Date Collected: 11/14/23 09:45

Matrix: Water

Date Received: 11/16/23 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 02:57	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	ug/L			11/22/23 02:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	ug/L			11/22/23 02:57	1
1,1,2-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 02:57	1
1,1-Dichloroethane	1.0	U	1.0	ug/L			11/22/23 02:57	1
1,1-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 02:57	1
1,2,4-Trichlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:57	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	ug/L			11/22/23 02:57	1
Ethylene Dibromide	1.0	U	1.0	ug/L			11/22/23 02:57	1
1,2-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:57	1
1,2-Dichloroethane	1.0	U	1.0	ug/L			11/22/23 02:57	1
1,2-Dichloropropane	1.0	U	1.0	ug/L			11/22/23 02:57	1
1,3-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:57	1
1,4-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:57	1
2-Butanone (MEK)	10	U	10	ug/L			11/22/23 02:57	1
2-Hexanone	10	U	10	ug/L			11/22/23 02:57	1
4-Methyl-2-pentanone (MIBK)	10	U	10	ug/L			11/22/23 02:57	1
Acetone	10	U	10	ug/L			11/22/23 02:57	1
Benzene	1.0	U	1.0	ug/L			11/22/23 02:57	1
Dichlorobromomethane	1.0	U	1.0	ug/L			11/22/23 02:57	1
Bromoform	1.0	U	1.0	ug/L			11/22/23 02:57	1
Bromomethane	1.0	U	1.0	ug/L			11/22/23 02:57	1
Carbon disulfide	1.0	U	1.0	ug/L			11/22/23 02:57	1
Carbon tetrachloride	1.0	U	1.0	ug/L			11/22/23 02:57	1
Chlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:57	1
Chloroethane	1.0	U	1.0	ug/L			11/22/23 02:57	1
Chloroform	1.0	U	1.0	ug/L			11/22/23 02:57	1
Chloromethane	1.0	U	1.0	ug/L			11/22/23 02:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 02:57	1
cis-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 02:57	1
Cyclohexane	1.0	U	1.0	ug/L			11/22/23 02:57	1
Chlorodibromomethane	1.0	U	1.0	ug/L			11/22/23 02:57	1
Dichlorodifluoromethane	1.0	U	1.0	ug/L			11/22/23 02:57	1
Ethylbenzene	1.0	U	1.0	ug/L			11/22/23 02:57	1
Isopropylbenzene	1.0	U	1.0	ug/L			11/22/23 02:57	1
Methyl acetate	10	U	10	ug/L			11/22/23 02:57	1
Methyl tert-butyl ether	1.0	U	1.0	ug/L			11/22/23 02:57	1
Methylcyclohexane	1.0	U	1.0	ug/L			11/22/23 02:57	1
Methylene Chloride	5.0	U	5.0	ug/L			11/22/23 02:57	1
Styrene	1.0	U	1.0	ug/L			11/22/23 02:57	1
Tetrachloroethene	1.0	U	1.0	ug/L			11/22/23 02:57	1
Toluene	1.0	U	1.0	ug/L			11/22/23 02:57	1
trans-1,2-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 02:57	1
trans-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 02:57	1
Trichloroethene	1.0	U	1.0	ug/L			11/22/23 02:57	1
Trichlorofluoromethane	1.0	U	1.0	ug/L			11/22/23 02:57	1
Vinyl chloride	1.0	U	1.0	ug/L			11/22/23 02:57	1
Xylenes, Total	2.0	U	2.0	ug/L			11/22/23 02:57	1

Client Sample Results

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

Client Sample ID: EQUIPMENT_BLANK_111423

Lab Sample ID: 240-195530-4

Date Collected: 11/14/23 09:45

Matrix: Water

Date Received: 11/16/23 08:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	98		78 - 122		11/22/23 02:57	1
<i>Dibromofluoromethane (Surr)</i>	103		73 - 120		11/22/23 02:57	1
<i>4-Bromofluorobenzene (Surr)</i>	83		56 - 136		11/22/23 02:57	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	110		62 - 137		11/22/23 02:57	1

Client Sample Results

Client: ZF Active Safety and Electronics LLC
 Project/Site: TRW Milford

Job ID: 240-195530-1

Client Sample ID: FIELD_BLANK_111423

Lab Sample ID: 240-195530-5

Date Collected: 11/14/23 09:40

Matrix: Water

Date Received: 11/16/23 08:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 03:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	ug/L			11/22/23 03:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	ug/L			11/22/23 03:21	1
1,1,2-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 03:21	1
1,1-Dichloroethane	1.0	U	1.0	ug/L			11/22/23 03:21	1
1,1-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 03:21	1
1,2,4-Trichlorobenzene	1.0	U	1.0	ug/L			11/22/23 03:21	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	ug/L			11/22/23 03:21	1
Ethylene Dibromide	1.0	U	1.0	ug/L			11/22/23 03:21	1
1,2-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 03:21	1
1,2-Dichloroethane	1.0	U	1.0	ug/L			11/22/23 03:21	1
1,2-Dichloropropane	1.0	U	1.0	ug/L			11/22/23 03:21	1
1,3-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 03:21	1
1,4-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 03:21	1
2-Butanone (MEK)	10	U	10	ug/L			11/22/23 03:21	1
2-Hexanone	10	U	10	ug/L			11/22/23 03:21	1
4-Methyl-2-pentanone (MIBK)	10	U	10	ug/L			11/22/23 03:21	1
Acetone	10	U	10	ug/L			11/22/23 03:21	1
Benzene	1.0	U	1.0	ug/L			11/22/23 03:21	1
Dichlorobromomethane	1.0	U	1.0	ug/L			11/22/23 03:21	1
Bromoform	1.0	U	1.0	ug/L			11/22/23 03:21	1
Bromomethane	1.0	U	1.0	ug/L			11/22/23 03:21	1
Carbon disulfide	1.0	U	1.0	ug/L			11/22/23 03:21	1
Carbon tetrachloride	1.0	U	1.0	ug/L			11/22/23 03:21	1
Chlorobenzene	1.0	U	1.0	ug/L			11/22/23 03:21	1
Chloroethane	1.0	U	1.0	ug/L			11/22/23 03:21	1
Chloroform	1.0	U	1.0	ug/L			11/22/23 03:21	1
Chloromethane	1.0	U	1.0	ug/L			11/22/23 03:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 03:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 03:21	1
Cyclohexane	1.0	U	1.0	ug/L			11/22/23 03:21	1
Chlorodibromomethane	1.0	U	1.0	ug/L			11/22/23 03:21	1
Dichlorodifluoromethane	1.0	U	1.0	ug/L			11/22/23 03:21	1
Ethylbenzene	1.0	U	1.0	ug/L			11/22/23 03:21	1
Isopropylbenzene	1.0	U	1.0	ug/L			11/22/23 03:21	1
Methyl acetate	10	U	10	ug/L			11/22/23 03:21	1
Methyl tert-butyl ether	1.0	U	1.0	ug/L			11/22/23 03:21	1
Methylcyclohexane	1.0	U	1.0	ug/L			11/22/23 03:21	1
Methylene Chloride	5.0	U	5.0	ug/L			11/22/23 03:21	1
Styrene	1.0	U	1.0	ug/L			11/22/23 03:21	1
Tetrachloroethene	1.0	U	1.0	ug/L			11/22/23 03:21	1
Toluene	1.0	U	1.0	ug/L			11/22/23 03:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 03:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 03:21	1
Trichloroethene	1.0	U	1.0	ug/L			11/22/23 03:21	1
Trichlorofluoromethane	1.0	U	1.0	ug/L			11/22/23 03:21	1
Vinyl chloride	1.0	U	1.0	ug/L			11/22/23 03:21	1
Xylenes, Total	2.0	U	2.0	ug/L			11/22/23 03:21	1

Client Sample Results

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

Client Sample ID: FIELD_BLANK_111423

Lab Sample ID: 240-195530-5

Date Collected: 11/14/23 09:40

Matrix: Water

Date Received: 11/16/23 08:00

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Toluene-d8 (Surr)	90		78 - 122		11/22/23 03:21	1
Dibromofluoromethane (Surr)	98		73 - 120		11/22/23 03:21	1
4-Bromofluorobenzene (Surr)	75		56 - 136		11/22/23 03:21	1
1,2-Dichloroethane-d4 (Surr)	109		62 - 137		11/22/23 03:21	1

Surrogate Summary

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (78-122)	DBFM (73-120)	BFB (56-136)	DCA (62-137)
240-195530-1	OW-16D2R1_111423	86	98	72	108
240-195530-2	OW-16D2R2_111423	88	94	72	106
240-195530-3	TRIP_BLANK_111423	86	97	76	110
240-195530-3	TRIP_BLANK_111423	105	110	96	120
240-195530-4	EQUIPMENT_BLANK_111423	98	103	83	110
240-195530-5	FIELD_BLANK_111423	90	98	75	109
LCS 240-595486/5	Lab Control Sample	90	96	84	99
LCS 240-595614/5	Lab Control Sample	87	86	82	100
MB 240-595486/8	Method Blank	88	90	73	97
MB 240-595614/8	Method Blank	87	91	75	100

Surrogate Legend

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

QC Sample Results

Client: ZF Active Safety and Electronics LLC
 Project/Site: TRW Milford

Job ID: 240-195530-1

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

Lab Sample ID: MB 240-595486/8

Matrix: Water

Analysis Batch: 595486

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,1-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 02:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	ug/L			11/22/23 02:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	ug/L			11/22/23 02:07	1
1,1,2-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 02:07	1
1,1-Dichloroethane	1.0	U	1.0	ug/L			11/22/23 02:07	1
1,1-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 02:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:07	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	ug/L			11/22/23 02:07	1
Ethylene Dibromide	1.0	U	1.0	ug/L			11/22/23 02:07	1
1,2-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:07	1
1,2-Dichloroethane	1.0	U	1.0	ug/L			11/22/23 02:07	1
1,2-Dichloropropane	1.0	U	1.0	ug/L			11/22/23 02:07	1
1,3-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:07	1
1,4-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:07	1
2-Butanone (MEK)	10	U	10	ug/L			11/22/23 02:07	1
2-Hexanone	10	U	10	ug/L			11/22/23 02:07	1
4-Methyl-2-pentanone (MIBK)	10	U	10	ug/L			11/22/23 02:07	1
Acetone	10	U	10	ug/L			11/22/23 02:07	1
Benzene	1.0	U	1.0	ug/L			11/22/23 02:07	1
Dichlorobromomethane	1.0	U	1.0	ug/L			11/22/23 02:07	1
Bromoform	1.0	U	1.0	ug/L			11/22/23 02:07	1
Bromomethane	1.0	U	1.0	ug/L			11/22/23 02:07	1
Carbon disulfide	1.0	U	1.0	ug/L			11/22/23 02:07	1
Carbon tetrachloride	1.0	U	1.0	ug/L			11/22/23 02:07	1
Chlorobenzene	1.0	U	1.0	ug/L			11/22/23 02:07	1
Chloroethane	1.0	U	1.0	ug/L			11/22/23 02:07	1
Chloroform	1.0	U	1.0	ug/L			11/22/23 02:07	1
Chloromethane	1.0	U	1.0	ug/L			11/22/23 02:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 02:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 02:07	1
Cyclohexane	1.0	U	1.0	ug/L			11/22/23 02:07	1
Chlorodibromomethane	1.0	U	1.0	ug/L			11/22/23 02:07	1
Dichlorodifluoromethane	1.0	U	1.0	ug/L			11/22/23 02:07	1
Ethylbenzene	1.0	U	1.0	ug/L			11/22/23 02:07	1
Isopropylbenzene	1.0	U	1.0	ug/L			11/22/23 02:07	1
Methyl acetate	10	U	10	ug/L			11/22/23 02:07	1
Methyl tert-butyl ether	1.0	U	1.0	ug/L			11/22/23 02:07	1
Methylcyclohexane	1.0	U	1.0	ug/L			11/22/23 02:07	1
Methylene Chloride	5.0	U	5.0	ug/L			11/22/23 02:07	1
Styrene	1.0	U	1.0	ug/L			11/22/23 02:07	1
Tetrachloroethene	1.0	U	1.0	ug/L			11/22/23 02:07	1
Toluene	1.0	U	1.0	ug/L			11/22/23 02:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 02:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 02:07	1
Trichloroethene	1.0	U	1.0	ug/L			11/22/23 02:07	1
Trichlorofluoromethane	1.0	U	1.0	ug/L			11/22/23 02:07	1
Vinyl chloride	1.0	U	1.0	ug/L			11/22/23 02:07	1
Xylenes, Total	2.0	U	2.0	ug/L			11/22/23 02:07	1

Eurofins Cleveland

QC Sample Results

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

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

Lab Sample ID: MB 240-595486/8

Matrix: Water

Analysis Batch: 595486

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	88		78 - 122		11/22/23 02:07	1
Dibromofluoromethane (Surr)	90		73 - 120		11/22/23 02:07	1
4-Bromofluorobenzene (Surr)	73		56 - 136		11/22/23 02:07	1
1,2-Dichloroethane-d4 (Surr)	97		62 - 137		11/22/23 02:07	1

Lab Sample ID: LCS 240-595486/5

Matrix: Water

Analysis Batch: 595486

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	25.0	23.7		ug/L		95	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.8		ug/L		95	51 - 146
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	70 - 138
1,1-Dichloroethane	25.0	22.7		ug/L		91	72 - 127
1,1-Dichloroethene	25.0	23.4		ug/L		93	63 - 134
1,2,4-Trichlorobenzene	25.0	20.5		ug/L		82	44 - 147
1,2-Dibromo-3-Chloropropane	25.0	24.9		ug/L		100	53 - 135
Ethylene Dibromide	25.0	25.9		ug/L		104	71 - 134
1,2-Dichlorobenzene	25.0	22.2		ug/L		89	78 - 120
1,2-Dichloroethane	25.0	24.5		ug/L		98	66 - 128
1,2-Dichloropropane	25.0	24.7		ug/L		99	75 - 133
1,3-Dichlorobenzene	25.0	22.8		ug/L		91	80 - 120
1,4-Dichlorobenzene	25.0	22.9		ug/L		91	80 - 120
2-Butanone (MEK)	50.0	57.9		ug/L		116	54 - 156
2-Hexanone	50.0	55.4		ug/L		111	43 - 167
4-Methyl-2-pentanone (MIBK)	50.0	54.2		ug/L		108	46 - 158
Acetone	50.0	72.4		ug/L		145	50 - 149
Benzene	25.0	23.8		ug/L		95	77 - 123
Dichlorobromomethane	25.0	25.5		ug/L		102	69 - 126
Bromoform	25.0	29.3		ug/L		117	57 - 129
Bromomethane	12.5	11.0		ug/L		88	36 - 142
Carbon disulfide	25.0	17.4		ug/L		70	43 - 140
Carbon tetrachloride	25.0	28.4		ug/L		114	55 - 137
Chlorobenzene	25.0	23.2		ug/L		93	80 - 121
Chloroethane	12.5	9.20		ug/L		74	38 - 152
Chloroform	25.0	23.4		ug/L		94	74 - 122
Chloromethane	12.5	8.12		ug/L		65	47 - 143
cis-1,2-Dichloroethene	25.0	22.6		ug/L		90	77 - 123
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	64 - 130
Cyclohexane	25.0	20.3		ug/L		81	58 - 146
Chlorodibromomethane	25.0	27.6		ug/L		110	70 - 124
Dichlorodifluoromethane	12.5	7.54		ug/L		60	34 - 153
Ethylbenzene	25.0	23.2		ug/L		93	80 - 121
Isopropylbenzene	25.0	24.1		ug/L		97	74 - 128
Methyl acetate	50.0	51.5		ug/L		103	42 - 169
Methyl tert-butyl ether	25.0	24.4		ug/L		98	65 - 126
Methylcyclohexane	25.0	21.7		ug/L		87	62 - 136

Eurofins Cleveland

QC Sample Results

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

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

Lab Sample ID: LCS 240-595486/5

Matrix: Water

Analysis Batch: 595486

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	19.9		ug/L		80	71 - 125
Styrene	25.0	24.8		ug/L		99	80 - 135
Tetrachloroethene	25.0	24.6		ug/L		98	76 - 123
Toluene	25.0	23.1		ug/L		92	80 - 123
trans-1,2-Dichloroethene	25.0	22.9		ug/L		92	75 - 124
trans-1,3-Dichloropropene	25.0	24.3		ug/L		97	57 - 129
Trichloroethene	25.0	23.8		ug/L		95	70 - 122
Trichlorofluoromethane	12.5	13.6		ug/L		109	30 - 170
Vinyl chloride	12.5	10.1		ug/L		81	60 - 144
Xylenes, Total	50.0	45.6		ug/L		91	80 - 121
m-Xylene & p-Xylene	25.0	23.0		ug/L		92	80 - 120
o-Xylene	25.0	22.6		ug/L		90	80 - 123

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	90		78 - 122
Dibromofluoromethane (Surr)	96		73 - 120
4-Bromofluorobenzene (Surr)	84		56 - 136
1,2-Dichloroethane-d4 (Surr)	99		62 - 137

Lab Sample ID: MB 240-595614/8

Matrix: Water

Analysis Batch: 595614

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,1-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 14:22	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	ug/L			11/22/23 14:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	ug/L			11/22/23 14:22	1
1,1,2-Trichloroethane	1.0	U	1.0	ug/L			11/22/23 14:22	1
1,1-Dichloroethane	1.0	U	1.0	ug/L			11/22/23 14:22	1
1,1-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 14:22	1
1,2,4-Trichlorobenzene	1.0	U	1.0	ug/L			11/22/23 14:22	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	ug/L			11/22/23 14:22	1
Ethylene Dibromide	1.0	U	1.0	ug/L			11/22/23 14:22	1
1,2-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 14:22	1
1,2-Dichloroethane	1.0	U	1.0	ug/L			11/22/23 14:22	1
1,2-Dichloropropane	1.0	U	1.0	ug/L			11/22/23 14:22	1
1,3-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 14:22	1
1,4-Dichlorobenzene	1.0	U	1.0	ug/L			11/22/23 14:22	1
2-Butanone (MEK)	10	U	10	ug/L			11/22/23 14:22	1
2-Hexanone	10	U	10	ug/L			11/22/23 14:22	1
4-Methyl-2-pentanone (MIBK)	10	U	10	ug/L			11/22/23 14:22	1
Acetone	10	U	10	ug/L			11/22/23 14:22	1
Benzene	1.0	U	1.0	ug/L			11/22/23 14:22	1
Dichlorobromomethane	1.0	U	1.0	ug/L			11/22/23 14:22	1
Bromoform	1.0	U	1.0	ug/L			11/22/23 14:22	1
Bromomethane	1.0	U	1.0	ug/L			11/22/23 14:22	1
Carbon disulfide	1.0	U	1.0	ug/L			11/22/23 14:22	1
Carbon tetrachloride	1.0	U	1.0	ug/L			11/22/23 14:22	1

Eurofins Cleveland

QC Sample Results

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

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

Lab Sample ID: MB 240-595614/8

Matrix: Water

Analysis Batch: 595614

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chlorobenzene	1.0	U	1.0	ug/L			11/22/23 14:22	1
Chloroethane	1.0	U	1.0	ug/L			11/22/23 14:22	1
Chloroform	1.0	U	1.0	ug/L			11/22/23 14:22	1
Chloromethane	1.0	U	1.0	ug/L			11/22/23 14:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 14:22	1
cis-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 14:22	1
Cyclohexane	1.0	U	1.0	ug/L			11/22/23 14:22	1
Chlorodibromomethane	1.0	U	1.0	ug/L			11/22/23 14:22	1
Dichlorodifluoromethane	1.0	U	1.0	ug/L			11/22/23 14:22	1
Ethylbenzene	1.0	U	1.0	ug/L			11/22/23 14:22	1
Isopropylbenzene	1.0	U	1.0	ug/L			11/22/23 14:22	1
Methyl acetate	10	U	10	ug/L			11/22/23 14:22	1
Methyl tert-butyl ether	1.0	U	1.0	ug/L			11/22/23 14:22	1
Methylcyclohexane	1.0	U	1.0	ug/L			11/22/23 14:22	1
Methylene Chloride	5.0	U	5.0	ug/L			11/22/23 14:22	1
Styrene	1.0	U	1.0	ug/L			11/22/23 14:22	1
Tetrachloroethene	1.0	U	1.0	ug/L			11/22/23 14:22	1
Toluene	1.0	U	1.0	ug/L			11/22/23 14:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	ug/L			11/22/23 14:22	1
trans-1,3-Dichloropropene	1.0	U	1.0	ug/L			11/22/23 14:22	1
Trichloroethene	1.0	U	1.0	ug/L			11/22/23 14:22	1
Trichlorofluoromethane	1.0	U	1.0	ug/L			11/22/23 14:22	1
Vinyl chloride	1.0	U	1.0	ug/L			11/22/23 14:22	1
Xylenes, Total	2.0	U	2.0	ug/L			11/22/23 14:22	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	87		78 - 122		11/22/23 14:22	1
Dibromofluoromethane (Surr)	91		73 - 120		11/22/23 14:22	1
4-Bromofluorobenzene (Surr)	75		56 - 136		11/22/23 14:22	1
1,2-Dichloroethane-d4 (Surr)	100		62 - 137		11/22/23 14:22	1

Lab Sample ID: LCS 240-595614/5

Matrix: Water

Analysis Batch: 595614

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	25.0	24.2		ug/L		97	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.8		ug/L		115	51 - 146
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	70 - 138
1,1-Dichloroethane	25.0	24.2		ug/L		97	72 - 127
1,1-Dichloroethene	25.0	26.8		ug/L		107	63 - 134
1,2,4-Trichlorobenzene	25.0	26.5		ug/L		106	44 - 147
1,2-Dibromo-3-Chloropropane	25.0	26.0		ug/L		104	53 - 135
Ethylene Dibromide	25.0	22.1		ug/L		88	71 - 134
1,2-Dichlorobenzene	25.0	24.1		ug/L		96	78 - 120
1,2-Dichloroethane	25.0	25.7		ug/L		103	66 - 128
1,2-Dichloropropane	25.0	23.6		ug/L		94	75 - 133

Eurofins Cleveland

QC Sample Results

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

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

Lab Sample ID: LCS 240-595614/5

Matrix: Water

Analysis Batch: 595614

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,3-Dichlorobenzene	25.0	29.5		ug/L		118	80 - 120
1,4-Dichlorobenzene	25.0	28.2		ug/L		113	80 - 120
2-Butanone (MEK)	50.0	56.6		ug/L		113	54 - 156
2-Hexanone	50.0	48.4		ug/L		97	43 - 167
4-Methyl-2-pentanone (MIBK)	50.0	50.1		ug/L		100	46 - 158
Acetone	50.0	69.9		ug/L		140	50 - 149
Benzene	25.0	23.3		ug/L		93	77 - 123
Dichlorobromomethane	25.0	24.2		ug/L		97	69 - 126
Bromoform	25.0	29.6		ug/L		118	57 - 129
Bromomethane	12.5	11.6		ug/L		93	36 - 142
Carbon disulfide	25.0	19.7		ug/L		79	43 - 140
Carbon tetrachloride	25.0	32.4		ug/L		130	55 - 137
Chlorobenzene	25.0	24.4		ug/L		98	80 - 121
Chloroethane	12.5	11.0		ug/L		88	38 - 152
Chloroform	25.0	24.6		ug/L		98	74 - 122
Chloromethane	12.5	9.93		ug/L		79	47 - 143
cis-1,2-Dichloroethene	25.0	24.1		ug/L		97	77 - 123
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	64 - 130
Cyclohexane	25.0	20.6		ug/L		82	58 - 146
Chlorodibromomethane	25.0	24.4		ug/L		98	70 - 124
Dichlorodifluoromethane	12.5	9.17		ug/L		73	34 - 153
Ethylbenzene	25.0	21.8		ug/L		87	80 - 121
Isopropylbenzene	25.0	25.8		ug/L		103	74 - 128
Methyl acetate	50.0	49.3		ug/L		99	42 - 169
Methyl tert-butyl ether	25.0	25.0		ug/L		100	65 - 126
Methylcyclohexane	25.0	23.9		ug/L		96	62 - 136
Methylene Chloride	25.0	20.0		ug/L		80	71 - 125
Styrene	25.0	25.6		ug/L		102	80 - 135
Tetrachloroethene	25.0	22.1		ug/L		89	76 - 123
Toluene	25.0	23.6		ug/L		94	80 - 123
trans-1,2-Dichloroethene	25.0	23.3		ug/L		93	75 - 124
trans-1,3-Dichloropropene	25.0	22.6		ug/L		91	57 - 129
Trichloroethene	25.0	26.1		ug/L		104	70 - 122
Trichlorofluoromethane	12.5	16.1		ug/L		128	30 - 170
Vinyl chloride	12.5	11.9		ug/L		95	60 - 144
Xylenes, Total	50.0	46.1		ug/L		92	80 - 121
m-Xylene & p-Xylene	25.0	24.6		ug/L		99	80 - 120
o-Xylene	25.0	21.5		ug/L		86	80 - 123

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	87		78 - 122
Dibromofluoromethane (Surr)	86		73 - 120
4-Bromofluorobenzene (Surr)	82		56 - 136
1,2-Dichloroethane-d4 (Surr)	100		62 - 137

QC Association Summary

Client: ZF Active Safety and Electronics LLC
Project/Site: TRW Milford

Job ID: 240-195530-1

GC/MS VOA

Analysis Batch: 595486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-195530-1	OW-16D2R1_111423	Total/NA	Water	8260D	
240-195530-2	OW-16D2R2_111423	Total/NA	Water	8260D	
240-195530-3	TRIP_BLANK_111423	Total/NA	Water	8260D	
240-195530-4	EQUIPMENT_BLANK_111423	Total/NA	Water	8260D	
240-195530-5	FIELD_BLANK_111423	Total/NA	Water	8260D	
MB 240-595486/8	Method Blank	Total/NA	Water	8260D	
LCS 240-595486/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 595614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-195530-3	TRIP_BLANK_111423	Total/NA	Water	8260D	
MB 240-595614/8	Method Blank	Total/NA	Water	8260D	
LCS 240-595614/5	Lab Control Sample	Total/NA	Water	8260D	

Lab Chronicle

Client: ZF Active Safety and Electronics LLC
 Project/Site: TRW Milford

Job ID: 240-195530-1

Client Sample ID: OW-16D2R1_111423

Lab Sample ID: 240-195530-1

Date Collected: 11/14/23 08:45

Matrix: Water

Date Received: 11/16/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	595486	MRL	EET CLE	11/22/23 07:51

Client Sample ID: OW-16D2R2_111423

Lab Sample ID: 240-195530-2

Date Collected: 11/14/23 09:30

Matrix: Water

Date Received: 11/16/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	595486	MRL	EET CLE	11/22/23 08:16

Client Sample ID: TRIP_BLANK_111423

Lab Sample ID: 240-195530-3

Date Collected: 11/14/23 00:00

Matrix: Water

Date Received: 11/16/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	595486	MRL	EET CLE	11/22/23 02:32
Total/NA	Analysis	8260D		1	595614	MRL	EET CLE	11/22/23 14:47

Client Sample ID: EQUIPMENT_BLANK_111423

Lab Sample ID: 240-195530-4

Date Collected: 11/14/23 09:45

Matrix: Water

Date Received: 11/16/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	595486	MRL	EET CLE	11/22/23 02:57

Client Sample ID: FIELD_BLANK_111423

Lab Sample ID: 240-195530-5

Date Collected: 11/14/23 09:40

Matrix: Water

Date Received: 11/16/23 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	595486	MRL	EET CLE	11/22/23 03:21

Laboratory References:

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

Accreditation/Certification Summary

Client: ZF Active Safety and Electronics LLC
 Project/Site: TRW Milford

Job ID: 240-195530-1

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-27-24
Georgia	State	4062	02-27-24
Illinois	NELAP	200004	07-31-24
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-28-24
Kentucky (WW)	State	KY98016	12-31-23
Michigan	State	9135	02-27-24
Minnesota	NELAP	039-999-348	12-31-23
Minnesota (Petrofund)	State	3506	08-01-23 *
New Jersey	NELAP	OH001	07-01-24
New York	NELAP	10975	04-02-24
Ohio	State	8303	02-27-24
Ohio VAP	State	ORELAP 4062	02-27-24
Oregon	NELAP	4062	11-27-23
Pennsylvania	NELAP	68-00340	08-31-24
Texas	NELAP	T104704517-22-19	08-31-24
Virginia	NELAP	460175	09-14-24
West Virginia DEP	State	210	12-31-23

* Accreditation/Certification renewal pending - accreditation/certification considered valid.



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1.7 | 2.8

STL North Canton
4101 Sharfil Drive NW
North Canton, OH 44720
Attn: Michael DeMontico

Project Type: Groundwater Sampling - IZ
TRW P#: (name, company, address, e-mail)

Bob Bieazard
11202 East Germann Road
Mesa, AZ 85212
bob.bieazard@flw.com

Analysis Level: Level 1 (Routine Report)
TAT: Level 1 Business Days (Standard - Level 1)

TRW Chain of Custody / Analysis Request

Privileged & Confidential

TRW P# No.: 30136117.0001Z
Date/Time: 11/15/23 08:00
Database Manager: (name, company, address, E-mail)
Christina Weaver and Sharon Chouse
2850 Cabot Drive, Suite 500
North, MI 48377
christina.weaver@arcadis.com
john.mcinnis@arcadis.com
schoose@arcadis-us.com

Sampler: EDD/PDF (e-mail)
Deliverable:

Site Name: Milford
Site Location: Milford, Michigan
Preservatives Cook: (see below)

240-195530 Chain of Custody

Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID	Sample Date	Sample Time	Sample Type	Sample Matrix	Sample Purpose	No. of Cont.	Grab or Composite	Field Filtered	VOC BARD	Lab Sample Numbers
1	OW-16D2R1	11423	OW-16D2R1	11423	0845	GW	WATER	REG	3	G	X		
2	OW-16D2R2	11423	OW-16D2R2	11423	0930	GW	WATER	REG	3	G	X		
3	TRIP_BLANK	11423	TRIP_BLANK	11423		QC	WATER	REG	1	G	X		
4	EQUIPMENT BLANK		EQUIPMENT BLANK	11423	0945	QC	WATER	REG	3	G	X		
5	FIELD BLANK		FIELD BLANK	11423	0940	QC	WATER	REG	3	G	X		
6													
7													
8													
9													
10													

Special Instructions

Relinquished by: *Scott Ferguson* Company: **ARCADIS** Date/Time: **11/15/23 0800**

Relinquished by: *Bob Bieazard* Company: **FLW** Date/Time: **11/15/23 0830**

Relinquished by: _____ Company: _____ Date/Time: _____

Relinquished by: _____ Company: _____ Date/Time: _____

Received by: *Bob Bieazard* Company: **FLW** Date/Time: **11/15/23**

Received by: *Sharon Chouse* Company: **ARCADIS** Date/Time: **11/15/23 0800**

Received by: _____ Company: _____ Date/Time: _____

Received by: _____ Company: _____ Date/Time: _____

Preservatives Code: 0 = None; 1 = HCL; 2 = HNO3; 3 = H2SO4; 4 = NaOH; 5 = Zn Acetate; 6 = MeOH; 7 = NaFIS04; 8 = Other (specify):



Eurofins - Cleveland Sample Receipt Form/Narrative
Barberton Facility

Login #: 195530

Client TRW Site Name _____ Cooler unpacked by: [Signature]
Cooler Received on 11-16-23 Opened on 11-16-23
FedEx: 1st Grd Exp Waypoint UPS FAS Client Drop Off Eurofins Courier Other

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt See Multiple Cooler Form
IR GUN # 22 (CF +1.1 °C) Observed Cooler Temp. 1.7 °C Corrected Cooler Temp. 2.8 °C

- 2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1
 - Were the seals on the outside of the cooler(s) signed & dated? Yes No NA
 - Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No NA
 - Were tamper/custody seals intact and uncompromised? Yes No NA
- 3. Shippers' packing slip attached to the cooler(s)? Yes No
- 4. Did custody papers accompany the sample(s)? Yes No
- 5. Were the custody papers relinquished & signed in the appropriate place? Yes No
- 6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
- 7. Did all bottles arrive in good condition (Unbroken)? Yes No
- 8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No
- 9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes No
- 10. Were correct bottle(s) used for the test(s) indicated? Yes No
- 11. Sufficient quantity received to perform indicated analyses? Yes No
- 12. Are these work share samples and all listed on the COC? Yes No

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

- If yes, Questions 13-17 have been checked at the originating laboratory.
- 13. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC316719
- 14. Were VOAs on the COC? Yes No
- 15. Were air bubbles >6 mm in any VOA vials? Yes No NA Larger than this.
- 16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 6225 Yes No
- 17. Was a LL Hg or Me Hg trip blank present? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Samples processed by: _____

19. SAMPLE CONDITION
Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION
Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____
VOA Sample Preservation - Date/Time VOAs Frozen: _____

Attachment 2

Table 1
 Observation Wells OW-16D2R1 and OW-16D2R2
 Groundwater Analytical Results and Field Parameters
 Former Kelsey-Hayes Milford Plant



Sample Identification:	OW-16D2R1																	Residential Drinking Water Criteria
Sample Collection Date:	6/8/2022	7/11/2022	8/8/2022	9/8/2022	10/3/2022	11/3/2022	12/7/2022	1/10/2023	1/26/2023	2/7/2023	3/21/2023	4/12/2023	5/12/2023	6/13/2023	7/18/2023	8/18/2023	11/14/2023	
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.0 (A)
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.0 (A)
cis-1,2-Dichloroethene	21	20	20	22	19	17	19	23	19	21	20	19	20	16	21	19	19	70 (A)
trans-1,2-Dichloroethene	1.1	1.2	1.3	1.4	1.1	1.0	1.2	1.4	1.2	1.3	1.2	1.0	1.2	1.0	1.3	1.4	1.3	100 (A)
1,1-Dichloroethane	2.5	2.2	2.2	2.5	2.1	1.9	2.1	2.3	1.9	2.3	2.1	2.3	2.4	1.8	2.4	2.1	2.0	880
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.0 (A)
Field Parameters																		
Drawdown (feet)	0.21	0.87	0.02	0.89	-0.19	-0.08	-0.06	0.01	0	0.01	0.4	0	0.04	0	0.16	0.02	0.06	-
Total Elapsed Minutes	54	41	27	29	27	24	40	40	35	35	35	35	35	40	40	35	40	-
Rate (mL/min)	125	100	125	100	115	125	200	200	200	200	200	200	200	200	200	200	200	-
First Depth to Water (feet)	1.2	2.18	2.61	2.2	1.98	1.67	1.82	1.55	1.67	2.15	1.20	0.71	1.97	2.95	2.19	1.31	2.34	-
Final Depth to Water (feet)	1.41	3.05	2.63	3.09	1.79	1.59	1.76	1.56	1.67	2.16	1.60	0.71	2.01	2.95	2.35	1.33	2.40	-
pH (standard units)	7.25	7.3	7.31	7.16	7.34	7.14	7.24	7.16	7.55	7.45	7.02	7.26	7.56	7.08	7.10	6.97	7.33	-
Conductivity (milliSiemens per centimeter)	1.047	1.08	1.12	1.12	1.08	1.07	1.05	1.08	1.11	1.09	1.08	1.07	0.01	1.07	1.10	1.10	1.04	-
Turbidity (Nephelometric Turbidity Unit)	0.02	0.78	0.02	0.02	0.02	0.02	2.29	2.35	2.76	2.01	1.43	2.77	3.09	2.40	2.17	3.56	1.11	-
Dissolved Oxygen (milligrams per liter)	0.17	0.15	0.17	0.17	0.05	0.13	0.18	0.19	0.19	0.3	0.19	0.31	1.42	0.54	0.26	0.13	0.20	-
Temperature (degrees Celsius)	15.3	17.6	17.9	17.5	15.2	13.3	11.8	10.7	6.7	10.1	10.3	13.4	14.7	13.7	15.0	14.2	9.8	-
Oxidation Reduction Potential (millivolt)	-287.7	-141.4	-112.3	-139.3	-76.2	-216.5	-20.7	-70.3	37.1	-58.1	-64.0	-74.8	-89.1	-22.5	-55.0	4.1	32.1	-

See Notes on last page.

Table 1
Observation Wells OW-16D2R1 and OW-16D2R2
Groundwater Analytical Results and Field Parameters
Former Kelsey-Hayes Milford Plant



Sample Identification:	OW-16D2R2															Residential Drinking Water Criteria	
	Sample Collection Date:	8/8/2022	9/8/2022	10/3/2022	11/3/2022	12/7/2022	1/10/2023	1/26/2023	2/7/2023	3/21/2023	4/12/2023	5/12/2023	6/13/2023	7/18/2023	8/18/2023		11/14/2023
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.0 (A)
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.0 (A)
cis-1,2-Dichloroethene	11	12	10	8.3	9.2	11	8.8	9.5	9.4	9.2	10	10	11	11	9.6	9.6	70 (A)
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	100 (A)
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	880
Vinyl chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.0 (A)
Field Parameters																	
Drawdown (feet)	1.11	0.84	0.16	0.01	0.01	0.26	0.08	0.02	0.13	0.95	0.15	0.02	0.08	0.03	0.18	0.18	-
Total Elapsed Minutes	57	28	29	21	35	35	35	40	40	40	35	35	40	40	35	35	-
Rate (mL/min)	125	100	125	125	200	200	200	200	200	200	200	200	200	200	200	200	-
First Depth to Water (feet)	1.14	1.76	1.43	1.22	1.42	1.75	2.4	0.68	2.12	0.25	0.75	1.75	2.67	2.18	2.02	2.02	-
Final Depth to Water (feet)	2.25	2.6	1.59	1.23	1.43	2.01	2.48	0.70	2.25	1.20	0.90	1.77	2.75	2.21	2.20	2.20	-
pH (standard units)	7.43	7.24	7.47	7.24	7.4	7.29	7.68	7.56	7.16	7.42	7.52	7.27	7.17	7.20	7.40	7.40	-
Conductivity (milliSiemens per centimeter)	1.09	1.1	1.08	1.13	1.13	1.18	1.23	1.18	1.19	1.15	1.15	1.10	1.08	1.09	1.14	1.14	-
Turbidity (Nephelometric Turbidity Unit)	129	1.96	0.52	0.02	2.67	2.76	2.56	2.53	2.59	3.08	2.37	2.33	2.58	1.55	1.56	1.56	-
Dissolved Oxygen (milligrams per liter)	0.11	0.21	0.04	0.11	0.24	0.27	0.38	0.27	0.25	0.55	0.18	0.17	0.16	0.28	0.22	0.22	-
Temperature (degrees Celsius)	20.4	18.1	15.8	13.6	11.2	10.5	4.8	9.3	10.6	13.3	14.2	13.4	15.2	14.6	12.1	12.1	-
Oxidation Reduction Potential (millivolt)	-145.1	-138.1	-98.5	-182.7	-74	-93.4	-3.0	-98.0	-106.0	-94.1	-130.0	-94.1	-96.0	-14.9	-36.0	-36.0	-

Notes:

All volatile organic compound (VOC) concentrations are in micrograms per liter (µg/L).
 All samples were analyzed for VOCs via USEPA Method 8260.
 Residential drinking water criteria comes from cleanup criteria published in the EGLE Revised Part 201, effective December 30, 2013.

Abbreviations:

< = Below laboratory detection limit
 EGLE = Michigan Department of Environment, Great Lakes, and Energy

Qualifiers:

(A) Criterion is the State of Michigan Drinking Water Standard established pursuant to Section 5 of the Safe Drinking Water Act No. 399 of the Public Acts of 1976.