

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ms. Megan Meckley  
Arcadis US Inc.  
28550 Cabot Drive  
Suite 500  
Novi, Michigan 48377

Generated 12/4/2024 7:07:40 AM

## JOB DESCRIPTION

Ford LTP

## JOB NUMBER

240-215504-1

# 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



Generated  
12/4/2024 7:07:40 AM

Authorized for release by  
Michael DeMonico, Project Manager I  
[Michael.DeMonico@et.eurofinsus.com](mailto:Michael.DeMonico@et.eurofinsus.com)  
(330)497-9396



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Method Summary . . . . .	6
Sample Summary . . . . .	7
Detection Summary . . . . .	8
Client Sample Results . . . . .	9
Surrogate Summary . . . . .	13
QC Sample Results . . . . .	14
QC Association Summary . . . . .	18
Lab Chronicle . . . . .	19
Certification Summary . . . . .	20
Chain of Custody . . . . .	21

# Definitions/Glossary

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

## 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.
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.
☼	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: Arcadis US Inc.  
Project: Ford LTP

Job ID: 240-215504-1

**Job ID: 240-215504-1**

**Eurofins Cleveland**

## Job Narrative 240-215504-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 11/22/2024 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 3.2°C.

### GC/MS VOA

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

Eurofins Cleveland

# Method Summary

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
8260D SIM	Volatile Organic Compounds (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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# Sample Summary

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-215504-1	TRIP BLANK_87	Water	11/20/24 00:00	11/22/24 08:00
240-215504-2	MW-210S_112024	Water	11/20/24 11:00	11/22/24 08:00
240-215504-3	MW-209S_112024	Water	11/20/24 12:10	11/22/24 08:00
240-215504-4	MW-208S_112024	Water	11/20/24 13:25	11/22/24 08:00

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# Detection Summary

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

## Client Sample ID: TRIP BLANK\_87

Lab Sample ID: 240-215504-1

No Detections.

## Client Sample ID: MW-210S\_112024

Lab Sample ID: 240-215504-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.2	J	2.0	0.86	ug/L	1		8260D SIM	Total/NA
cis-1,2-Dichloroethene	20		1.0	0.46	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	2.8		1.0	0.51	ug/L	1		8260D	Total/NA
Vinyl chloride	14		1.0	0.45	ug/L	1		8260D	Total/NA

## Client Sample ID: MW-209S\_112024

Lab Sample ID: 240-215504-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2.3		1.0	0.45	ug/L	1		8260D	Total/NA

## Client Sample ID: MW-208S\_112024

Lab Sample ID: 240-215504-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland



# Client Sample Results

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

**Client Sample ID: TRIP BLANK\_87**

**Lab Sample ID: 240-215504-1**

Date Collected: 11/20/24 00:00

Matrix: Water

Date Received: 11/22/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/26/24 02:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/26/24 02:35	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/26/24 02:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/26/24 02:35	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/26/24 02:35	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/26/24 02:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137		11/26/24 02:35	1
4-Bromofluorobenzene (Surr)	94		56 - 136		11/26/24 02:35	1
Toluene-d8 (Surr)	99		78 - 122		11/26/24 02:35	1
Dibromofluoromethane (Surr)	98		73 - 120		11/26/24 02:35	1

# Client Sample Results

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

**Client Sample ID: MW-210S\_112024**

**Lab Sample ID: 240-215504-2**

Date Collected: 11/20/24 11:00

Matrix: Water

Date Received: 11/22/24 08:00

**Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.2	J	2.0	0.86	ug/L			11/28/24 06:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		68 - 127					11/28/24 06:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/26/24 02:58	1
cis-1,2-Dichloroethene	20		1.0	0.46	ug/L			11/26/24 02:58	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/26/24 02:58	1
trans-1,2-Dichloroethene	2.8		1.0	0.51	ug/L			11/26/24 02:58	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/26/24 02:58	1
Vinyl chloride	14		1.0	0.45	ug/L			11/26/24 02:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		62 - 137					11/26/24 02:58	1
4-Bromofluorobenzene (Surr)	95		56 - 136					11/26/24 02:58	1
Toluene-d8 (Surr)	102		78 - 122					11/26/24 02:58	1
Dibromofluoromethane (Surr)	99		73 - 120					11/26/24 02:58	1

# Client Sample Results

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

**Client Sample ID: MW-209S\_112024**

**Lab Sample ID: 240-215504-3**

Date Collected: 11/20/24 12:10

Matrix: Water

Date Received: 11/22/24 08:00

**Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/28/24 03:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		68 - 127					11/28/24 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/26/24 03:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/26/24 03:21	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/26/24 03:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/26/24 03:21	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/26/24 03:21	1
<b>Vinyl chloride</b>	<b>2.3</b>		1.0	0.45	ug/L			11/26/24 03:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 137					11/26/24 03:21	1
4-Bromofluorobenzene (Surr)	95		56 - 136					11/26/24 03:21	1
Toluene-d8 (Surr)	100		78 - 122					11/26/24 03:21	1
Dibromofluoromethane (Surr)	96		73 - 120					11/26/24 03:21	1

# Client Sample Results

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

**Client Sample ID: MW-208S\_112024**

**Lab Sample ID: 240-215504-4**

Date Collected: 11/20/24 13:25

Matrix: Water

Date Received: 11/22/24 08:00

**Method: SW846 8260D SIM - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			12/02/24 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		68 - 127					12/02/24 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/26/24 03:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/26/24 03:44	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/26/24 03:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/26/24 03:44	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/26/24 03:44	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/26/24 03:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		62 - 137					11/26/24 03:44	1
4-Bromofluorobenzene (Surr)	97		56 - 136					11/26/24 03:44	1
Toluene-d8 (Surr)	102		78 - 122					11/26/24 03:44	1
Dibromofluoromethane (Surr)	98		73 - 120					11/26/24 03:44	1

# Surrogate Summary

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (62-137)	BFB (56-136)	TOL (78-122)	DBFM (73-120)
240-215503-B-2 MS	Matrix Spike	100	103	102	95
240-215503-C-2 MSD	Matrix Spike Duplicate	101	103	104	95
240-215504-1	TRIP BLANK_87	105	94	99	98
240-215504-2	MW-210S_112024	106	95	102	99
240-215504-3	MW-209S_112024	105	95	100	96
240-215504-4	MW-208S_112024	108	97	102	98
LCS 240-636698/4	Lab Control Sample	99	103	103	93
MB 240-636698/7	Method Blank	105	101	101	94

**Surrogate Legend**

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

## Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		DCA (68-127)
240-215504-2	MW-210S_112024	108
240-215504-3	MW-209S_112024	107
240-215504-4	MW-208S_112024	108
240-215598-B-2 MS	Matrix Spike	106
240-215598-B-2 MSD	Matrix Spike Duplicate	97
240-215601-B-2 MS	Matrix Spike	111
240-215601-B-2 MSD	Matrix Spike Duplicate	107
LCS 240-637038/5	Lab Control Sample	99
LCS 240-637230/5	Lab Control Sample	111
MB 240-637038/7	Method Blank	106
MB 240-637230/7	Method Blank	107

**Surrogate Legend**

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

# QC Sample Results

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

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

Lab Sample ID: MB 240-636698/7

Matrix: Water

Analysis Batch: 636698

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/25/24 22:46	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/25/24 22:46	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/25/24 22:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/25/24 22:46	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/25/24 22:46	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/25/24 22:46	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	105		62 - 137		11/25/24 22:46	1
4-Bromofluorobenzene (Surr)	101		56 - 136		11/25/24 22:46	1
Toluene-d8 (Surr)	101		78 - 122		11/25/24 22:46	1
Dibromofluoromethane (Surr)	94		73 - 120		11/25/24 22:46	1

Lab Sample ID: LCS 240-636698/4

Matrix: Water

Analysis Batch: 636698

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,1-Dichloroethene	25.0	24.5		ug/L		98	63 - 134
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	77 - 123
Tetrachloroethene	25.0	23.7		ug/L		95	76 - 123
trans-1,2-Dichloroethene	25.0	23.4		ug/L		93	75 - 124
Trichloroethene	25.0	23.2		ug/L		93	70 - 122
Vinyl chloride	12.5	12.4		ug/L		99	60 - 144

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		62 - 137
4-Bromofluorobenzene (Surr)	103		56 - 136
Toluene-d8 (Surr)	103		78 - 122
Dibromofluoromethane (Surr)	93		73 - 120

Lab Sample ID: 240-215503-B-2 MS

Matrix: Water

Analysis Batch: 636698

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
1,1-Dichloroethene	1.0	U	25.0	20.8		ug/L		83	56 - 135
cis-1,2-Dichloroethene	1.0	U	25.0	22.6		ug/L		90	66 - 128
Tetrachloroethene	1.0	U	25.0	18.2		ug/L		73	62 - 131
trans-1,2-Dichloroethene	1.0	U	25.0	20.0		ug/L		80	56 - 136
Trichloroethene	1.0	U	25.0	18.8		ug/L		75	61 - 124
Vinyl chloride	1.5		12.5	12.4		ug/L		87	43 - 157

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		62 - 137
4-Bromofluorobenzene (Surr)	103		56 - 136
Toluene-d8 (Surr)	102		78 - 122

Eurofins Cleveland

# QC Sample Results

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

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

**Lab Sample ID: 240-215503-B-2 MS**  
**Matrix: Water**  
**Analysis Batch: 636698**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	95		73 - 120

**Lab Sample ID: 240-215503-C-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 636698**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
1,1-Dichloroethene	1.0	U	25.0	21.1		ug/L		85	56 - 135	2	26
cis-1,2-Dichloroethene	1.0	U	25.0	22.7		ug/L		91	66 - 128	0	14
Tetrachloroethene	1.0	U	25.0	18.9		ug/L		76	62 - 131	4	20
trans-1,2-Dichloroethene	1.0	U	25.0	20.5		ug/L		82	56 - 136	3	15
Trichloroethene	1.0	U	25.0	19.3		ug/L		77	61 - 124	2	15
Vinyl chloride	1.5		12.5	13.8		ug/L		98	43 - 157	11	24

  

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		62 - 137
4-Bromofluorobenzene (Surr)	103		56 - 136
Toluene-d8 (Surr)	104		78 - 122
Dibromofluoromethane (Surr)	95		73 - 120

## Method: 8260D SIM - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 240-637038/7**  
**Matrix: Water**  
**Analysis Batch: 637038**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/27/24 22:16	1

  

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	106		68 - 127		11/27/24 22:16	1

**Lab Sample ID: LCS 240-637038/5**  
**Matrix: Water**  
**Analysis Batch: 637038**

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
1,4-Dioxane	10.0	7.60		ug/L		76	75 - 121

  

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		68 - 127

**Lab Sample ID: 240-215598-B-2 MS**  
**Matrix: Water**  
**Analysis Batch: 637038**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				Limits
1,4-Dioxane	2.0	U	10.0	8.33		ug/L		83	20 - 180

Eurofins Cleveland

# QC Sample Results

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

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

Surrogate	<i>MS</i> %Recovery	<i>MS</i> Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		68 - 127

Lab Sample ID: 240-215598-B-2 MSD  
Matrix: Water  
Analysis Batch: 637038

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	2.0	U	10.0	9.06		ug/L		91	20 - 180	8	20

Surrogate	<i>MSD</i> %Recovery	<i>MSD</i> Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		68 - 127

Lab Sample ID: MB 240-637230/7  
Matrix: Water  
Analysis Batch: 637230

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			12/02/24 14:29	1

Surrogate	<i>MB</i> %Recovery	<i>MB</i> Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		68 - 127		12/02/24 14:29	1

Lab Sample ID: LCS 240-637230/5  
Matrix: Water  
Analysis Batch: 637230

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	10.0	8.80		ug/L		88	75 - 121

Surrogate	<i>LCS</i> %Recovery	<i>LCS</i> Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		68 - 127

Lab Sample ID: 240-215601-B-2 MS  
Matrix: Water  
Analysis Batch: 637230

Client Sample ID: Matrix Spike  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	2.0	U	10.0	8.96		ug/L		90	20 - 180

Surrogate	<i>MS</i> %Recovery	<i>MS</i> Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		68 - 127

Lab Sample ID: 240-215601-B-2 MSD  
Matrix: Water  
Analysis Batch: 637230

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	2.0	U	10.0	7.84		ug/L		78	20 - 180	13	20



# QC Sample Results

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

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

Lab Sample ID: 240-215601-B-2 MSD

Matrix: Water

Analysis Batch: 637230

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

<i>Surrogate</i>	<i>MSD</i>	<i>MSD</i>	<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
1,2-Dichloroethane-d4 (Surr)	107		68 - 127

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# QC Association Summary

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

## GC/MS VOA

### Analysis Batch: 636698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215504-1	TRIP BLANK_87	Total/NA	Water	8260D	
240-215504-2	MW-210S_112024	Total/NA	Water	8260D	
240-215504-3	MW-209S_112024	Total/NA	Water	8260D	
240-215504-4	MW-208S_112024	Total/NA	Water	8260D	
MB 240-636698/7	Method Blank	Total/NA	Water	8260D	
LCS 240-636698/4	Lab Control Sample	Total/NA	Water	8260D	
240-215503-B-2 MS	Matrix Spike	Total/NA	Water	8260D	
240-215503-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

### Analysis Batch: 637038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215504-2	MW-210S_112024	Total/NA	Water	8260D SIM	
240-215504-3	MW-209S_112024	Total/NA	Water	8260D SIM	
MB 240-637038/7	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-637038/5	Lab Control Sample	Total/NA	Water	8260D SIM	
240-215598-B-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-215598-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

### Analysis Batch: 637230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215504-4	MW-208S_112024	Total/NA	Water	8260D SIM	
MB 240-637230/7	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-637230/5	Lab Control Sample	Total/NA	Water	8260D SIM	
240-215601-B-2 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-215601-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	

# Lab Chronicle

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

**Client Sample ID: TRIP BLANK\_87**

**Lab Sample ID: 240-215504-1**

Date Collected: 11/20/24 00:00

Matrix: Water

Date Received: 11/22/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636698	LEE	EET CLE	11/26/24 02:35

**Client Sample ID: MW-210S\_112024**

**Lab Sample ID: 240-215504-2**

Date Collected: 11/20/24 11:00

Matrix: Water

Date Received: 11/22/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636698	LEE	EET CLE	11/26/24 02:58
Total/NA	Analysis	8260D SIM		1	637038	R5XG	EET CLE	11/28/24 06:29

**Client Sample ID: MW-209S\_112024**

**Lab Sample ID: 240-215504-3**

Date Collected: 11/20/24 12:10

Matrix: Water

Date Received: 11/22/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636698	LEE	EET CLE	11/26/24 03:21
Total/NA	Analysis	8260D SIM		1	637038	R5XG	EET CLE	11/28/24 03:45

**Client Sample ID: MW-208S\_112024**

**Lab Sample ID: 240-215504-4**

Date Collected: 11/20/24 13:25

Matrix: Water

Date Received: 11/22/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636698	LEE	EET CLE	11/26/24 03:44
Total/NA	Analysis	8260D SIM		1	637230	R5XG	EET CLE	12/02/24 16:49

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Arcadis US Inc.  
Project/Site: Ford LTP

Job ID: 240-215504-1

## 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	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-24



### Chain of Custody Record

TestAmerica

TestAmerica Laboratory location: Brighton --- 10448 Citation Drive, Suite 200 / Brighton, MI 48116 / 810-229-2763

THE LEADER IN ENVIRONMENTAL TESTING

<b>Client Contact</b> Company Name: Arcadis Address: 28550 Cabot Drive, Suite 500 City/State/Zip: Novi, MI, 48377 Phone: 248-994-2240 Project Name: Ford LTP Project Number: 30206169.0401.03 PO # US3410018772			Regulatory program: DW NPDES RCRA Other _____						<b>TestAmerica Laboratories, Inc.</b> Client Project Manager: Kris Hinskey Telephone: 248-994-2240 Email: kristoffer.hinskey@arcadis.com Site Contact: Christina Weaver Telephone: 248-994-2240 Lab Contact: Mike DelMonico Telephone: 330-497-9396 Analysis Turnaround Time: TAT is different from below: 3 weeks 2 weeks ✓ 1 week 2 days 1 day						COC No: _____ 1 of 1 COCs For lab use only Walk-in client Lab sampling Job/SDG No: _____ Sample Specific Notes / Special Instructions: _____															
Sample Identification			Sample Date		Sample Time		Matrix						Containers & Preservatives						Filtered Sample (Y/N)	Composite=C/Grab=C	1,1-DCE 8260D	cis-1,2-DCE 8260D	Trans-1,2-DCE 8260D	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM			
Sample ID	Date	Time	Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:																
TRIP BLANK_87	---	---	1						1							NG	X	X	X	X	X	X						1 Trip Blank		
MW-2105_112024	11/20/24	11:00	G						G							NG	X	X	X	X	X	X	X				3 VOAs for 8260D 3 VOAs for 8260D SIM			
MW-2095_112024	11/20/24	12:10	G						G							NG	X	X	X	X	X	X	X							
MW-2085_112024	11/20/24	13:25	G						G							NG	X	X	X	X	X	X	X							



MICHIGAN 190

Possible Hazard Identification: Non-Hazard  Flammable  Irritant  Poison B  Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month):  
 Return to Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Special Instructions/QC Requirements & Comments: On Site

Submit all results through Cadena at jtomalia@cadenaco.com. Cadena #E203728  
 Level IV Reporting requested.

Relinquished by:	Company: Arcadis	Date/Time: 11/20/24 16:30	Received by: Novi Cold Storage	Company: Arcadis	Date/Time: 11/20/24 16:30
Relinquished by:	Company: Arcadis	Date/Time: 11/21/24 12:25	Received by:	Company: EETA	Date/Time: 11/21/24 12:20
Relinquished by:	Company: EETA	Date/Time: 11/21/24 12:30	Received in Laboratory by: JESSE MOROSKO	Company: Euro	Date/Time: 11/22/24 OFW

©2008 TestAmerica Laboratories, Inc. All rights reserved. TestAmerica & Design are trademarks of TestAmerica Laboratories, Inc.

Eurofins Cleveland Sample Receipt Form/Narrative  
Barberton Facility

Login #

Client ARCADIS Site Name \_\_\_\_\_

Cooler unpacked by: \_\_\_\_\_

Cooler Received on 11/22/24 Opened on 11/22/24

JMOROSKO

FedEx: 1<sup>st</sup> Grd Exp UPS FAS Weight 0.0 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 # 17 (CF TD.1 °C) Observed Cooler Temp. 31 °C Corrected Cooler Temp 32 °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

Tests that are not checked for pH by Receiving:

VOAs  
OH and Grease  
TOC

3 Shippers' packing slip attached to the cooler(s)?  Yes  No  NA

Yes  No  NA

VOAs  
OH and Grease  
TOC

4. Did custody papers accompany the sample(s)?  Yes  No  NA

Yes  No  NA

VOAs  
OH and Grease  
TOC

5. Were the custody papers relinquished & signed in the appropriate place?  Yes  No  NA

Yes  No  NA

VOAs  
OH and Grease  
TOC

6. Was/were the person(s) who collected the samples clearly identified on the COC?  Yes  No  NA

Yes  No  NA

VOAs  
OH and Grease  
TOC

7. Did all bottles arrive in good condition (Unbroken)?  Yes  No  NA

Yes  No  NA

VOAs  
OH and Grease  
TOC

8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?  Yes  No  NA

Yes  No  NA

VOAs  
OH and Grease  
TOC

9. For each sample, does the COC specify preservative(s)  Y/N, # of containers  Y/N, and sample type of grab/comp  Y/N)?

Yes  No  NA

VOAs  
OH and Grease  
TOC

10. Were correct bottle(s) used for the test(s) indicated?  Yes  No  NA

Yes  No  NA

VOAs  
OH and Grease  
TOC

11. Sufficient quantity received to perform indicated analyses?  Yes  No  NA

Yes  No  NA

VOAs  
OH and Grease  
TOC

12. Are these work share samples and all listed on the COC?  Yes  No  NA

Yes  No  NA

VOAs  
OH 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

Yes  No  NA

VOAs  
OH and Grease  
TOC

14. Were VOAs on the COC?  Yes  No  NA

Yes  No  NA

VOAs  
OH and Grease  
TOC

15. Were air bubbles >6 mm in any VOA vials?  Yes  No  NA

Yes  No  NA

VOAs  
OH and Grease  
TOC

16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 63271

Yes  No  NA

VOAs  
OH and Grease  
TOC

17. Was a LL Hg or Me Hg trip blank present?  Yes  No  NA

Yes  No  NA

VOAs  
OH and Grease  
TOC

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 \_\_\_\_\_



11/22/2024

# Login Container Summary Report

240-215504

12/4/2024

## Temperature readings

Client Sample ID	Lab ID	Container Type	Container pH	Preservation Temp	Preservation Added	Preservation Lot Number
TRIP BLANK_87	240-215504-A-1	Voa Vial 40ml - Hydrochloric Acid				
MW-210S_112024	240-215504-A-2	Voa Vial 40ml - Hydrochloric Acid				
MW-210S_112024	240-215504-B-2	Voa Vial 40ml - Hydrochloric Acid				
MW-210S_112024	240-215504-C-2	Voa Vial 40ml - Hydrochloric Acid				
MW-210S_112024	240-215504-D-2	Voa Vial 40ml - Hydrochloric Acid				
MW-210S_112024	240-215504-E-2	Voa Vial 40ml - Hydrochloric Acid				
MW-210S_112024	240-215504-G-2	Voa Vial 40ml - Hydrochloric Acid				
MW-209S_112024	240-215504-A-3	Voa Vial 40ml - Hydrochloric Acid				
MW-209S_112024	240-215504-B-3	Voa Vial 40ml - Hydrochloric Acid				
MW-209S_112024	240-215504-C-3	Voa Vial 40ml - Hydrochloric Acid				
MW-209S_112024	240-215504-D-3	Voa Vial 40ml - Hydrochloric Acid				
MW-209S_112024	240-215504-E-3	Voa Vial 40ml - Hydrochloric Acid				
MW-209S_112024	240-215504-F-3	Voa Vial 40ml - Hydrochloric Acid				
MW-208S_112024	240-215504-A-4	Voa Vial 40ml - Hydrochloric Acid				
MW-208S_112024	240-215504-B-4	Voa Vial 40ml - Hydrochloric Acid				
MW-208S_112024	240-215504-C-4	Voa Vial 40ml - Hydrochloric Acid				
MW-208S_112024	240-215504-D-4	Voa Vial 40ml - Hydrochloric Acid				
MW-208S_112024	240-215504-E-4	Voa Vial 40ml - Hydrochloric Acid				
MW-208S_112024	240-215504-F-4	Voa Vial 40ml - Hydrochloric Acid				

# DATA VERIFICATION REPORT



December 05, 2024

Megan Meckley  
Arcadis  
28550 Cabot Drive  
Suite 500  
Novi, MI US 48377

CADENA project ID: E203728  
Project: Ford Livonia Transmission Plant - Soil Gas, Ground Water and Soil  
Project number: 30206169.0401.04\_WA-03  
Event Specific Scope of Work References: Sample COC  
Laboratory: Eurofins Environment Testing LLC - Cleveland  
Laboratory submittal: 215504-1  
Sample date: 2024-11-20  
Report received by CADENA: 2024-12-04  
Initial Data Verification completed by CADENA: 2024-12-05  
Number of Samples:4  
Sample Matrices:Water  
Test Categories:GCMS VOC  
**Please see attached criteria report or sample result/qualified analytical result summary for qualifier flags assigned to sample data.**

There were no significant QC anomalies or exceptions to report.

Sample/MS/MSD Surrogate Recovery, Blank/LCS Surrogate Recovery, LCS/LCD Recovery, Blank Contamination and Hold Time Exception were reviewed as part of our verification.

Data verification for the report specified above was completed using the Ford Motor Company Environmental Laboratory Technical Specification, the CADENA Standard Operating Procedure for the Verification of Environmental Analytical Data and the associated analytical methods as references for evaluating the batch QC, sample data and report content. The EPA National Functional Guidelines for validating organic and inorganic data were used as guidance when addressing out of control QC results and the associated data qualifiers.

Analytical results reported between RDL and MDL are flagged 'J' and considered estimated values.

The definitions of the qualifiers used for this data package are defined in the analytical report. CADENA valid qualifiers are defined in the table below. To view and download a PDF copy of the laboratory analytical report access the CADENA CLMS at <http://clms.cadenaco.com/index.cfm>.

Please contact me if you have any questions.

Sincerely,

Jim Tomalia

Project Scientist



CADENA Inc, 1099 Highland Drive, Suite E, Ann Arbor, MI 48108 517-819-0356

## CADENA Valid Qualifiers

Valid Qualifiers	Description
<	Less than the reported concentration.
>	Greater than the reported concentration.
B	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was greater than the RDL and less than 5x (or 10x for common lab contaminants) the blank concentration and is considered non-detect at the reported concentration. For Inorganic methods the sample concentration was greater than the RDL and less than 10x the blank concentration and is considered non-detect at the reported concentration.
E	The analyte / Compound reported exceeds the calibration range and is considered estimated.
EMPC	Estimated Minimum Potential Contamination - Dioxin/Furan analyses only.
J	Indicates an estimated value. This flag is used either when estimating a concentration for a tentatively identified compound or when the data indicates the presence of an analyte / compound but the result is less than the sample Quantitation limit, but greater than zero. The flag is also used in data validation to indicate a reported value should be considered estimated due to associated quality assurance deficiencies.
J-	The result is an estimated quantity, but the result may be biased low.
JB	NON-DETECT AT THE CONCENTRATION REPORTED AND ESTIMATED
JH	The sample result is considered estimated and is potentially biased high.
JL	The sample result is considered estimated and is potentially biased low.
JUB	NON-DETECT AT THE REPORTING LIMIT AND ESTIMATED
NJ	Tentatively identified compound with approximated concentration.
R	Indicates the value is considered to be unusable. (Note: The analyte / compound may or may not be present.)
TNTC	Too Numerous to Count - Asbestos and Microbiological Results.
U	Indicates that the analyte / compound was analyzed for, but not detected.
UB	The analyte / compound was detected in the associated blank. For Organic methods the sample concentration was less than the RDL and less than 5x (or 10x for common lab contaminants) the blank concentration and is considered non-detect at the RDL. For Inorganic methods the sample concentration was less than the RDL and less than 10x the blank concentration and is considered non-detect at the RDL.
UJ	The analyte / compound was not detected above the reported sample Quantitation limit. However, the Quantitation limit is considered to be approximate due to associated quality assurance results and may or may not represent the actual limit of Quantitation to accurately and precisely report the analyte in the sample.

# Analytical Results Summary

CADENA Project ID: E203728

Laboratory: Eurofins Environment Testing LLC - Cleveland

Laboratory Submittal: 215504-1

<b>Sample Name:</b>	TRIP BLANK_87	MW-210S_112024	MW-209S_112024	MW-208S_112024
<b>Lab Sample ID:</b>	2402155041	2402155042	2402155043	2402155044
<b>Sample Date:</b>	11/20/2024	11/20/2024	11/20/2024	11/20/2024

Analyte	Cas No.	TRIP BLANK_87				MW-210S_112024				MW-209S_112024				MW-208S_112024			
		Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier	Result	Limit	Units	Qualifier

**GC/MS VOC**

OSW-8260D

1,1-Dichloroethene	75-35-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l	---	20	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Tetrachloroethene	127-18-4	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l	---	2.8	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Trichloroethene	79-01-6	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---	ND	1.0	ug/l	---
Vinyl chloride	75-01-4	ND	1.0	ug/l	---	14	1.0	ug/l	---	2.3	1.0	ug/l	---	ND	1.0	ug/l	---

OSW-8260DSIM

1,4-Dioxane	123-91-1					1.2	2.0	ug/l	J	ND	2.0	ug/l	---	ND	2.0	ug/l	---
-------------	----------	--	--	--	--	-----	-----	------	---	----	-----	------	-----	----	-----	------	-----