

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Ms. Megan Meckley Arcadis US Inc. 28550 Cabot Drive Suite 500 Novi, Michigan 48377 Generated 11/20/2024 12:15:43 AM

# JOB DESCRIPTION

Ford LTP

# **JOB NUMBER**

240-214804-1

Eurofins Cleveland 180 S. Van Buren Avenue Barberton OH 44203





# **Eurofins Cleveland**

## Job Notes

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

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

Authorization

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Authorized for release by Michael DelMonico, Project Manager I <u>Michael.DelMonico@et.eurofinsus.com</u> (330)497-9396

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## Qualifiers

Qualifiers		3
GC/MS VOA		
Qualifier	Qualifier Description	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	5
Glossary		6
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	0
CFU	Colony Forming Unit	0
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	9
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"	13
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	

#### Glossary

%RPercent RecoveryCFLContains Free LiquidCFUColony Forming UnitCNFContains No Free LiquidDERDuplicate Error Ratio (normalized absoluDil FacDilution FactorDLDetection Limit (DoD/DOE)	raction, or additional Initial metals/anion analysis of the sample
CFLContains Free LiquidCFUColony Forming UnitCNFContains No Free LiquidDERDuplicate Error Ratio (normalized absoluDil FacDilution FactorDLDetection Limit (DoD/DOE)	raction, or additional Initial metals/anion analysis of the sample
CFU     Colony Forming Unit       CNF     Contains No Free Liquid       DER     Duplicate Error Ratio (normalized absolu       Dil Fac     Dilution Factor       DL     Detection Limit (DoD/DOE)	raction, or additional Initial metals/anion analysis of the sample
CNF     Contains No Free Liquid       DER     Duplicate Error Ratio (normalized absolution)       Dil Fac     Dilution Factor       DL     Detection Limit (DoD/DOE)	raction, or additional Initial metals/anion analysis of the sample
DERDuplicate Error Ratio (normalized absoluDil FacDilution FactorDLDetection Limit (DoD/DOE)	raction, or additional Initial metals/anion analysis of the sample
Dil Fac Dilution Factor DL Detection Limit (DoD/DOE)	raction, or additional Initial metals/anion analysis of the sample
DL Detection Limit (DoD/DOE)	
DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extr	
	emistry)
DLC Decision Level Concentration (Radiocher	57
EDL Estimated Detection Limit (Dioxin)	
LOD Limit of Detection (DoD/DOE)	
LOQ Limit of Quantitation (DoD/DOE)	
MCL EPA recommended "Maximum Contamin	nant Level"
MDA Minimum Detectable Activity (Radiochem	nistry)
MDC Minimum Detectable Concentration (Rad	diochemistry)
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 MD	DL 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 (Radi	liochemistry)
RPD Relative Percent Difference, a measure of	of the relative difference between two points
TEF Toxicity Equivalent Factor (Dioxin)	
TEQ Toxicity Equivalent Quotient (Dioxin)	
TNTC Too Numerous To Count	

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# Job Narrative 240-214804-1

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 11/13/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.4°C and 1.6°C.

#### GC/MS VOA

Method 8260D: Surrogate recovery for the following sample was outside the upper control limit: MW-164S\_111124 (240-214804-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

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

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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

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

Lab Sample ID Client Sample ID		Matrix	Collected	Received
240-214804-1	TRIP BLANK_34	Water	11/11/24 00:00	11/13/24 08:00
240-214804-2	MW-164S_111124	Water	11/11/24 12:20	11/13/24 08:00

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#### **Detection Summary**

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

#### Client Sample ID: TRIP BLANK\_34

No Detections.

#### Client Sample ID: MW-164S\_111124

No Detections.

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Job ID: 240-214804-1

Lab Sample ID: 240-214804-1

Lab Sample ID: 240-214804-2

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

#### Client Sample ID: TRIP BLANK\_34 Date Collected: 11/11/24 00:00

Date Received: 11/13/24 08:00

Lab	Sample	ID:	240-214804-1

Matrix: Water

Job ID: 240-214804-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/18/24 23:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/18/24 23:49	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/18/24 23:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/18/24 23:49	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/18/24 23:49	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/18/24 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		62 - 137			-		11/18/24 23:49	1
1-Bromofluorobenzene (Surr)	86		56 - 136					11/18/24 23:49	1
Toluene-d8 (Surr)	99		78 - 122					11/18/24 23:49	1
Dibromofluoromethane (Surr)	116		73 - 120					11/18/24 23:49	1

#### Client Sample ID: MW-164S\_111124

Date Collected: 11/11/24 12:20 Date Received: 11/13/24 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			11/18/24 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		68 - 127			-		11/18/24 18:00	1
Method: SW846 8260D - Volat	ile Organic Comp	ounds by G	C/MS						
Analyte	· ·	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/19/24 00:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/19/24 00:09	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/19/24 00:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/19/24 00:09	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/19/24 00:09	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/19/24 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	135		62 - 137			-		11/19/24 00:09	1
4-Bromofluorobenzene (Surr)	94		56 - 136					11/19/24 00:09	1
Toluene-d8 (Surr)	105		78 - 122					11/19/24 00:09	1
Dibromofluoromethane (Surr)	125	S1+	73 - 120					11/19/24 00:09	1

11/20/2024

#### Lab Sample ID: 240-214804-2 Matrix: Water

trix: Wate

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

#### Percent Surrogate Recovery (Acceptance Limits) DCA BFB TOL DBFM Lab Sample ID Client Sample ID (62-137) (56-136) (78-122) (73-120) 240-214800-B-2 MS Matrix Spike 107 94 94 97 240-214800-E-2 MSD Matrix Spike Duplicate 106 91 91 94 240-214804-1 TRIP BLANK\_34 126 86 99 116 MW-164S\_111124 240-214804-2 135 94 105 125 S1+ LCS 240-635744/4 Lab Control Sample 106 88 94 99 MB 240-635744/7 Method Blank 116 89 97 104 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

			Percent Surrogate Recovery (Acceptance Limits)	17
		DCA		
Lab Sample ID	Client Sample ID	(68-127)		1
240-214803-A-5 MS	Matrix Spike	104		
240-214803-A-5 MSD	Matrix Spike Duplicate	105		
240-214804-2	MW-164S_111124	104		
LCS 240-635649/5	Lab Control Sample	105		
MB 240-635649/7	Method Blank	103		

#### Surrogate Legend

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

#### Prep Type: Total/NA

Prep Type: Total/NA

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

#### Matrix: Water Analysis Batch: 635744

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/18/24 20:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/18/24 20:49	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/18/24 20:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/18/24 20:49	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/18/24 20:49	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/18/24 20:49	1

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			62 - 137		11/18/24 20:49	1
4-Bromofluorobenzene (Surr)	89		56 - 136		11/18/24 20:49	1
Toluene-d8 (Surr)	97		78 - 122		11/18/24 20:49	1
Dibromofluoromethane (Surr)	104		73 - 120		11/18/24 20:49	1

#### Lab Sample ID: LCS 240-635744/4 Matrix: Water Analysis Batch: 635744

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1-Dichloroethene	25.0	29.8		ug/L		119	63 - 134	
cis-1,2-Dichloroethene	25.0	27.6		ug/L		110	77 - 123	
Tetrachloroethene	25.0	26.3		ug/L		105	76 - 123	
trans-1,2-Dichloroethene	25.0	29.4		ug/L		118	75 - 124	
Trichloroethene	25.0	25.6		ug/L		102	70 - 122	
Vinyl chloride	12.5	9.80		ug/L		78	60 - 144	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)			62 - 137
4-Bromofluorobenzene (Surr)	88		56 - 136
Toluene-d8 (Surr)	94		78 - 122
Dibromofluoromethane (Surr)	99		73 - 120

#### Lab Sample ID: 240-214800-B-2 MS Matrix: Water Analysis Batch: 635744

#### Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte **Result Qualifier** %Rec Limits Unit D 1.0 U 25.0 1,1-Dichloroethene 25.8 ug/L 103 56 - 135 cis-1,2-Dichloroethene 1.0 U 25.0 66 - 128 24.5 ug/L 98 Tetrachloroethene 1.0 U 25.0 23.7 ug/L 95 62 - 131 trans-1,2-Dichloroethene 1.0 U 25.0 25.6 ug/L 102 56 - 136 Trichloroethene 25.0 1.0 U 22.7 ug/L 91 61 - 124 Vinyl chloride 1.0 U 12.5 9.28 ug/L 74 43 - 157 MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		62 - 137
4-Bromofluorobenzene (Surr)	94		56 - 136
Toluene-d8 (Surr)	94		78 - 122

Job ID: 240-214804-1

Prep Type: Total/NA

**Client Sample ID: Method Blank** 

# **Client Sample ID: Lab Control Sample**

#### Prep Type: Total/NA

**Client Sample ID: Matrix Spike** Prep Type: Total/NA 5

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

Matrix: Water Analysis Batch: 635744	B-2 MS							Client	Sample ID: Prep Ty		-
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
Dibromofluoromethane (Surr)	97		73 - 120								
Lab Sample ID: 240-214800- Matrix: Water	E-2 MSD						Client S	Sample II	D: Matrix Spi Prep Ty	-	
Analysis Batch: 635744										· · ·	
-	Sample	Sample	Spike	MSD	MSD				%Rec		RP
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
1,1-Dichloroethene	1.0	U	25.0	26.0		ug/L		104	56 - 135	1	2
cis-1,2-Dichloroethene	1.0	U	25.0	24.7		ug/L		99	66 - 128	1	1
Tetrachloroethene	1.0	U	25.0	22.4		ug/L		90	62 - 131	6	2
trans-1,2-Dichloroethene	1.0		25.0	25.3		ug/L		101	56 - 136	1	
Trichloroethene	1.0		25.0	20.0		ug/L		89	61 - 124	1	1
Vinyl chloride	1.0		12.5	9.60		ug/L		89 77	43 - 157	3	24
Viriyi chionde	1.0	0	12.5	9.00		ug/L		11	43 - 157	3	24
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	106		62 - 137								
4-Bromofluorobenzene (Surr)	91		56 - 136								
Toluene-d8 (Surr)	91		78 - 122								
Dibromofluoromethane (Surr)	94		73 - 120								
lethod: 8260D SIM - Vol		: Compoun	ds (GC/MS)					Client S	Sample ID: M	lethod	Blan
lethod: 8260D SIM - Vol Lab Sample ID: MB 240-635 Matrix: Water		: Compoun	ds (GC/MS)					Client S	Sample ID: M Prep Ty		
lethod: 8260D SIM - Vol Lab Sample ID: MB 240-635 Matrix: Water Analysis Batch: 635649			ds (GC/MS)					Client S			
lethod: 8260D SIM - Vol Lab Sample ID: MB 240-635 Matrix: Water Analysis Batch: 635649	649/7	MB MB							Ргер Ту	pe: To	tal/N/
lethod: 8260D SIM - Vol Lab Sample ID: MB 240-635 Matrix: Water Analysis Batch: 635649 Analyte	649/7	MB MB esult Qualifier	RL		MDL Unit		D	Client S	Prep Ty Analyze	vpe: To	tal/N/ Dil Fa
lethod: 8260D SIM - Vol Lab Sample ID: MB 240-635 Matrix: Water Analysis Batch: 635649	649/7	MB MB			MDL Unit		D		Ргер Ту	vpe: To	tal/N/
lethod: 8260D SIM - Vol Lab Sample ID: MB 240-635 Matrix: Water Analysis Batch: 635649 Analyte	649/7	MB MB esult Qualifier	RL				<u>D</u>		Prep Ty Analyze	vpe: To	tal/NA Dil Fac
Aethod: 8260D SIM - Vol Lab Sample ID: MB 240-635 Matrix: Water Analysis Batch: 635649 Analyte 1,4-Dioxane	649/7 R	MB MB esult Qualifier 2.0 U MB MB						Prepared	Prep Ty Analyze 11/18/24 11	<b>d</b> 1:21	Dil Fa
Aethod: 8260D SIM - Vol Lab Sample ID: MB 240-635 Matrix: Water Analysis Batch: 635649 Analyte 1,4-Dioxane	649/7 R	MB MB esult Qualifier 2.0 U MB MB every Qualifier							Analyze	d d 1:21	Dil Fa
Aethod: 8260D SIM - Vol Lab Sample ID: MB 240-635 Matrix: Water Analysis Batch: 635649 Analyte 1,4-Dioxane	649/7 R	MB MB esult Qualifier 2.0 U MB MB						Prepared	Prep Ty Analyze 11/18/24 11	d d 1:21	Dil Fa
Aethod: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)	649/7 	MB MB esult Qualifier 2.0 U MB MB every Qualifier						Prepared Prepared	Analyze           11/18/24 11           Analyze           11/18/24 11	d 1:21 - 1:21 -	Dil Fa
Iethod: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-635	649/7 	MB MB esult Qualifier 2.0 U MB MB every Qualifier						Prepared Prepared	Analyze           11/18/24 11           Analyze           11/18/24 11           Analyze           11/18/24 12           E ID: Lab Cont	d 1:21 - 1:21 - 1:21 -	Dil Fa Dil Fa
Method: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water	649/7 	MB MB esult Qualifier 2.0 U MB MB every Qualifier						Prepared Prepared	Analyze           11/18/24 11           Analyze           11/18/24 11	d 1:21 - 1:21 - 1:21 -	Dil Fa Dil Fa
Aethod: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-635	649/7 	MB MB esult Qualifier 2.0 U MB MB every Qualifier	RL 2.0 <i>Limits</i> 68 - 127		0.86 ug/L			Prepared Prepared	Prep Ty 	d 1:21 - 1:21 - 1:21 -	Dil Fac
Method: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analysis Batch: 635649	649/7 	MB MB esult Qualifier 2.0 U MB MB every Qualifier	RL 2.0 68 - 127 Spike	LCS	0.86 ug/L	lloit	Clier	Prepared Prepared	Prep Ty <u>Analyze</u> 11/18/24 11 <u>Analyze</u> 11/18/24 11 <b>Analyze</b> 11/18/24 11 <b>Colored Colored Color</b>	d 1:21 - 1:21 - 1:21 -	Dil Fac
Method: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analysis Batch: 635649	649/7 	MB MB esult Qualifier 2.0 U MB MB every Qualifier	RL 2.0 <u>Limits</u> 68 - 127 Spike Added	LCS Result	0.86 ug/L	Unit		Prepared Prepared nt Sample	Analyze           11/18/24 11           Analyze           11/18/24 11           Analyze           11/18/24 11           e ID: Lab Con           Prep Ty           %Rec           Limits	d 1:21 - 1:21 - 1:21 -	Dil Fac
Method: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analysis Batch: 635649	649/7 	MB MB esult Qualifier 2.0 U MB MB every Qualifier	RL 2.0 68 - 127 Spike	LCS	0.86 ug/L	Unit ug/L	Clier	Prepared Prepared	Prep Ty <u>Analyze</u> 11/18/24 11 <u>Analyze</u> 11/18/24 11 <b>Analyze</b> 11/18/24 11 <b>Colored Colored Color</b>	d 1:21 - 1:21 - 1:21 -	Dil Fac
Method: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analysis Batch: 635649	649/7 	MB MB esult Qualifier 2.0 U MB MB very Qualifier 103	RL 2.0 <u>Limits</u> 68 - 127 Spike Added	LCS Result	0.86 ug/L		Clier	Prepared Prepared nt Sample	Analyze           11/18/24 11           Analyze           11/18/24 11           Analyze           11/18/24 11           e ID: Lab Con           Prep Ty           %Rec           Limits	d 1:21 - 1:21 - 1:21 -	Dil Fac
Method: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analysis Batch: 635649         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane	649/7 	MB MB esult Qualifier 2.0 U MB MB very Qualifier 103	RL 2.0 2.0 68 - 127 68 - 127 68 - 127 127 100 100	LCS Result	0.86 ug/L		Clier	Prepared Prepared nt Sample	Analyze           11/18/24 11           Analyze           11/18/24 11           Analyze           11/18/24 11           e ID: Lab Con           Prep Ty           %Rec           Limits	d 1:21 - 1:21 - 1:21 -	Dil Fac
Method: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analysis Batch: 635649	649/7 	MB MB esult Qualifier 2.0 U MB MB very Qualifier 103	RL 2.0 <u>Limits</u> 68 - 127 Spike Added	LCS Result	0.86 ug/L		Clier	Prepared Prepared nt Sample	Analyze           11/18/24 11           Analyze           11/18/24 11           Analyze           11/18/24 11           e ID: Lab Con           Prep Ty           %Rec           Limits	d 1:21 - 1:21 - 1:21 -	Dil Fa
Aethod: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analyts         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)	649/7 	MB MB esult Qualifier 2.0 U MB MB very Qualifier 103	RL 2.0 2.0 	LCS Result	0.86 ug/L		Clier	Prepared Prepared nt Sample	Analyze           11/18/24 11           Analyze           11/18/24 11           Analyze           11/18/24 11           e ID: Lab Con           Prep Ty           %Rec           Limits           75 - 121	d 1:21 d 1:21 mtrol Sa rpe: To	Dil Fa Dil Fa Dil Fa
Aethod: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: 240-214803-	649/7 	MB MB esult Qualifier 2.0 U MB MB very Qualifier 103	RL 2.0 2.0 	LCS Result	0.86 ug/L		Clier	Prepared Prepared nt Sample	Analyze           11/18/24 11           Analyze           11/18/24 11           Analyze           11/18/24 11           e ID: Lab Con           Prep Ty           %Rec           Limits           75 - 121	d	Dil Fau Dil Fau Dil Fau ample tal/N/
Aethod: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: 240-214803-         Matrix: Water	649/7 	MB MB esult Qualifier 2.0 U MB MB very Qualifier 103	RL 2.0 2.0 	LCS Result	0.86 ug/L		Clier	Prepared Prepared nt Sample	Analyze           11/18/24 11           Analyze           11/18/24 11           Analyze           11/18/24 11           e ID: Lab Con           Prep Ty           %Rec           Limits           75 - 121	d	Dil Fac
Aethod: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: 240-214803-	649/7 	MB MB esult Qualifier 2.0 U MB MB very Qualifier 103	RL           2.0           Limits           68 - 127           Spike           Added           10.0           Limits           68 - 127	LCS Result 8.34	U.86 ug/L LCS Qualifier		Clier	Prepared Prepared nt Sample	Analyze           11/18/24 11           Analyze           11/18/24 11           Analyze           11/18/24 11           e ID: Lab Con           Prep Ty           %Rec           Limits           75 - 121           Sample ID:           Prep Ty	d	Dil Fac
Aethod: 8260D SIM - Vol         Lab Sample ID: MB 240-635         Matrix: Water         Analysis Batch: 635649         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: LCS 240-638         Matrix: Water         Analyte         1,4-Dioxane         Surrogate         1,2-Dichloroethane-d4 (Surr)         Lab Sample ID: 240-214803-         Matrix: Water	649/7 	MB MB esult Qualifier 2.0 U MB MB very Qualifier 103	RL 2.0 2.0 	LCS Result 8.34	0.86 ug/L		Clier	Prepared Prepared nt Sample %Rec 83 Client	Analyze           11/18/24 11           Analyze           11/18/24 11           Analyze           11/18/24 11           e ID: Lab Con           Prep Ty           %Rec           Limits           75 - 121	d	Dil Fac

**Eurofins Cleveland** 

Job ID: 240-214804-1

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

	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	104		68 - 127								
Lab Sample ID: 240-214803-	A-5 MSD					(	Client Sa	ample IC	): Matrix Sp	oike Dup	olicate
Matrix: Water									Prep T	ype: To	tal/NA
Analysis Batch: 635649											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,4-Dioxane	0.92	J	10.0	8.91		ug/L		80	20 - 180	10	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)			68 - 127								

**Eurofins Cleveland** 

8260D

Water

# GC/MS VOA

240-214800-E-2 MSD

Matrix Spike Duplicate

#### Analysis Batch: 635649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214804-2	MW-164S_111124	Total/NA	Water	8260D SIM	
MB 240-635649/7	Method Blank	Total/NA	Water	8260D SIM	
LCS 240-635649/5	Lab Control Sample	Total/NA	Water	8260D SIM	
240-214803-A-5 MS	Matrix Spike	Total/NA	Water	8260D SIM	
240-214803-A-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D SIM	
nalysis Batch: 63574				02002 0	
nalysis Batch: 63574	4				Prep Batch
		Prep Type Total/NA	Matrix Water	Method	Prep Batch
nalysis Batch: 63574 Lab Sample ID	4 Client Sample ID	Prep Type	Matrix	Method	Prep Batch
nalysis Batch: 63574 Lab Sample ID 240-214804-1	4 Client Sample ID TRIP BLANK_34	Prep Type Total/NA	Matrix Water	Method 8260D	Prep Batch
nalysis Batch: 63574 Lab Sample ID 240-214804-1 240-214804-2	4 Client Sample ID TRIP BLANK_34 MW-164S_111124	Prep Type Total/NA Total/NA	Matrix Water Water	Method 8260D 8260D	Prep Batch

Total/NA

Matrix: Water

Matrix: Water

Lab Sample ID: 240-214804-1

#### Client Sample ID: TRIP BLANK\_34 Date Collected: 11/11/24 00:00

_			
Date	Received:	11/13/24	08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analvsis	8260D			635744	LEE	EET CLE	11/18/24 23:49

#### Client Sample ID: MW-164S\_111124 Date Collected: 11/11/24 12:20

Date Received: 11/13/24 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8260D		1	635744	LEE	EET CLE	11/19/24 00:09
Total/NA	Analysis	8260D SIM		1	635649	R5XG	EET CLE	11/18/24 18:00

#### Laboratory References:

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

12 13

### Accreditation/Certification Summary

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

#### Laboratory: Eurofins Cleveland

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	
llinois	NELAP	200004	08-31-25	
owa	State	421	06-01-25	
Kentucky (UST)	State	112225	02-27-25	
Kentucky (WW)	State	KY98016	12-30-24	
<i>/</i> linnesota	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	
Dhio VAP	State	ORELAP 4062	02-27-25	
Dregon	NELAP	4062	02-27-25	
Pennsylvania	NELAP	68-00340	08-31-25	
- Fexas	NELAP	T104704517-22-19	08-31-25	
JSDA	US Federal Programs	P330-18-00281	01-05-27	
/irginia	NELAP	460175	09-14-25	
Vest Virginia DEP	State	210	12-31-24	



#### **Chain of Custody Record**



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

Client Contact	Regulatory	program:		ſ	DW		E N	PDES		i R	CRA	Г	Othe	r										
Company Name: Arcadis	Client Project Man	ager: Kris I	linck				Site Ce	ntact	Chr	istina V	eaver			*	Lab	onter	t Mil	ce Del	Monie		_		_	TestAmerica Laboratories, In COC No:
Address: 28550 Cabot Drive, Suite 500											caver				Lab Contact: Mike DelMonico									
City/State/Zip: Novi, MI, 48377	Telephone: 248-994	-2240								94-2240					Telephone: 330-497-9396					1 of 1 COCs				
Phone: 248-994-2240	Email: kristoffer.hi	inskey@arc	adis.c	om			As	Analysis Turnaround Time				Analyses					-	For lab use only						
	Sampler Name:			٨٨	1.		TAT if	dillerent				-												Walk-in client
Project Name: Ford LTP	U	cremy		M	110	-	10	day		3 week 2 week														Lab sampling
Project Number: 30206169.0401.03	Method of Shipmen	Method of Shipment/Carrier:			1 week				8				SIM			ions antibuild								
O # US3410018772	Shipping/Tracking	Shipping/Tracking No:				2 days				8260D	8260D			3260	60D				Job/SDG No:					
	_	1		М	atrix		C	entainc	n å	Preserva	tives	- Tan	Ŷ	260[	E 82	DCE	٥	0	ride	1e 82				
Sample Identification	Sample Date   Sa	mple Time	Air	Aqueous Sediment	Solid	Other:	H2SO4	HCI	NaOH	ZnAd NaOH Unnrec	Other:	Filtered Sample (V / N)	Composite	1.1-DCE 8260D	cis-1,2-DCE	Irans-1,2-DCE	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D				Sample Specific Notes / Special Instructions:
TRIP BLANK_ 34			Ť	1				1				N	G	X	X	X	X	x	X	1				1 Trip Blank
MILLIE INCOM	11 10 100 10	2:20		(a				1			+	٨	1	×	~	×	X			X				3 VOAs for 8260D
		<i>L. 10</i>			1 1/1/																			3 VOAs for 8260D SIM
												+											+	
																						$\downarrow$		
																							2	40-214804 COC
Possible Hazard Identification	Irritant Poison B	F	Jnko	01/1			San			l ( A fee Client		e asses: Dispo			es are		ned loo rchive		han I		onths		-	
Special Instructions/QC Requirements & Comments:	241.37 B:	9(cn 5728	St	-	Şil	ily.	<del>rd</del>	1	5	3		0.300		240						.41				
Relinquished by:	370	adis		Date/Ti	/11	124	(9)	30		eived by	1	(0)	d 5	Acr	reci			Comp	1	Arr	adi	5		Date/Time: 124 13 30
Relinquished by	Company	etis		_		124	16	52		eived by	M		M	5	-			Comp		ÉE	M			Date/Time:
celinquiphed by MMM	Company	A	I	Date/T	me D	ou			Reco	cived in	Labora	tory by	J	F				Com	en en	0				Date/Time: K/13/24 8000

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	ter-hours Drop-off Date/Time Client Drop Off Storage Location	ox Client Cooler Box	used: <u>Guibble Wrap</u> Foam Plastic Bag None		18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES  additional next page Samples processed by		Construction       UPS       FAS       Waypoint       Chent Different	arroy Off       Eurofins Courier       Other         ar       Box       Other         ar       Box       Other         ar       Box       Other         water       None       Corrected Cooler Temp         Cooler Temp.       C Corrected Cooler Temp       *         d Cooler Temp.       C Corrected Cooler Temp       *         '1 L'Hy MeHg)?       Yes       No       NA         '1 L'Hy MeHg)?       Yes       No       Tests that are not checked for pH by         'ts (LL'Hy MeHg)?       Yes       No       NO         't (L'Hy MeHg)?       Yes       No       No
ter-hours Drop-off Date/Time Chent Drop Off Storage Location soler # C Foam Box Chent Cooler Box Other ig material used: Gubble Wrap Foam Plastic Bag None Other	Foam         Plastic Bag	Bubble Wrap Foam Plastic Bag None		IR GUN # (CF TD_( 1 °C) Observed Cooler Temp °C Corrected Cooler (S)?       Corrected Cooler (S)? If Yes Quantity (Xes No NA -Were tamper/custody seals on the outside of the cooler(S)?       No NA -Were tamper/custody seals on the outside of the cooler(S)?         -Were tamper/custody seals on the outside of the cooler(S)?       No NA -Were tamper/custody seals on the outside or bottle kits (LLHg/MeHg)?       Yes No NA -Were tamper/custody seals intact and uncompromised?         -Were tamper/custody seals intact and uncompromised?       Yes No NA -Were tamper/custody seals intact and uncompromised?       Yes No NA -Were samples?       Yes No NA -Were searches and uncompromised?         Did custody papers recompany the sample(S)?       Were sample(S)?       Yes No NA -Were sample(S)?       Yes No NA -Were sample, does the COC specify preservatives (MN), # of containers (MN), and sample type of Nere all preserved to perform indicated analyses?       Yes No NA -Were all preserved to perform indicated analyses?         2. Are these work share sample(S) at the concret pH upon receipt?       Yes No NA - N	IR GUN #	IR GUN #	COULAN I Wei ice Blue ice Cooler temperature upon receipt	
edex: 1 <sup>-</sup> Grd Exp UPS FAS (waypoint Citent Drop OII Entorins Courier leceipt After-hours Drop-off Date/Time Aurofins Cooler # <u>Contection</u> Box Client Cooler Box Other Packing material used: <u>Gubble Wran</u> Foam Plastic Bag None Other COOLANT. Wet Ice Blue Ice Dry Ice Water None Cooler temperature upon receipt	Aurofins Cooler # <u>Koam Box</u> Chent Cooler Bo Packing material used: <u>Gubble Wrap</u> Foam Plastic Bag COOLANT: <u>Wet Ics</u> Blue Ice Dry Ice Water Cooler temperature upon receipt	Packing material used: <u>Qubble Wrap</u> Foam Plastic Bag COOLANT <u>Wet Ics</u> Blue Ice Dry Ice Water Cooler temperature upon receipt	COULANI. Weiles Blue ice Dry ice water Cooler temperature upon receipt	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity       Xas No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No         -Were tamper/custody seals intact and uncompromised?       Yes No         -Were tamper/custody seals intact and uncompromised?       Yes No         Did custody papers accompany the sample(s)?       Yes No         Were the custody papers relinquished & signed in the appropriate place?       Yes No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes No         Por each sample, does the COC specify preservatives (MN), # of containers (DN), and sample type of       Yes No         Were all preserved is amples and all listed on the COC?       Yes No         If yes, Questions 13-17 have been checked at the originating laboratory       Yes No         Were all preserved sample(s) at the concert pH upon receipt?       Yes No         Was a VOA trip blank present?       Yes No         Was a LL Hg or Me Hg trip blank present?       Yes No         Yes No       Yes No         Was a LL Hg or Me Hg trip blank present?       Yes No         Yes No       Yes No         Yes No       Yes No         Yes No       Yes No         Yes No	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity       Yes No         -Were tamper/custody seals on the outside of the cooler(s)?       Were tamper/custody seals on the tootle(s) or bottle kits (LLHg/MeHg)?       Yes No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No       Yes No         -Were tamper/custody seals intact and uncompromised?       Yes No       Yes No         Shippers' packing slip attached to the cooler(s)?       Yes No       Yes No         Did custody papers relinquished & signed in the appropriate place?       Yes No       Yes No         Were the senson(s) who collected the samples clearly identified on the COC?       Yes No       Yes No         Could all bottle labels (D/Date/Time) be reconciled with the COC?       Yes No       Yes No         Yes, Questions 13-17 have been checked at the originating laboratory       Yes No       Yes No         Were air bubbles >6 mm in any VOA vials?       Yes No       Yes No         Was a UA trip blank present?       Yes No       Yes No         Yes a UA trip blank present?       Yes No       Yes No         Was a LL Hg or Me Hg trip blank present?       Yes No       Yes No         Yes No       No       No       Yes No         Yes No       No       Yes No       No         Yes No       No	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity       Xes No         -Were the seals on the outside of the cooler(s) signed & dated?       No         -Were tamper/custody seals on the bottle (s) or bottle kits (LL.Hg/McHg)?       Yes No         -Were tamper/custody seals intact and uncompromised?       Yes No         Shippers' packing slip attached to the cooler(s)?       Yes No         Did custody papers relinquished & signed in the appropriate place?       Yes No         Were the custody papers relinquished & signed in the appropriate place?       Yes No         Ould all bottle abels (ID/Date/Time) be reconciled with the COC?       Yes No         For each sample, does the COC specify preservatives (MN), # of containers (MN), and sample type of       No         Were all preserved to perform indicated analyses?       Yes No         If yes, Questions 13-17 have been checked at the originating laboratory       Yes No         Were air bubbles > 6 mm in any VOA vials?       Yes No         Was a LL Hg or Me Hg trip blank present?       Yes No         No       Yes No         No       Yes No         No       Yes No         Was a LL Hg or Me Hg trip blank present?       Yes No         No       Yes No         No       Yes No         No       Yes No         No       Ye	IR GUN # 17 (CF 10 1/°C)	the second s
ecept After-hours       Drop-off Date/Time       Storage Locatic         hurofins Cooler #       Cooler Temperature       Storage Locatic         hurofins Cooler #       Cooler Temperature       Foam Box       Client Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None         Cooler temperature upon receipt       IR GUN #       (CF       To the cooler       Cooler Tempe	Invofins Cooler # Cooler Foam Box Client Cooler Box Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN # / (CF       TO ( / oC)       Observed Cooler Temp.	Packing material used: <u>Gubble Wrap</u> Foam Plastic Bag None Other COOLANT: <u>Wet Ics</u> Blue Ice Dry Ice Water None Cooler temperature upon receipt IR GUN # / (CF TD 1 / °C) Observed Cooler Temp.	COULANI. WEITED Blue ICE Dry ICE Water None Cooler temperature upon receipt IR GUN # 17 (CF 10 1/ °C) Observed Cooler Temp.	-Were the seals on the outside of the cooler(s) signed & dated?       Yes       Yes <t< td=""><td>-Were the seals on the outside of the cooler(s) signed &amp; dated?       Yes       No       NA         -Were tamper/custody seals untact and uncompromused?       Yes       No       NA         -Were tamper/custody seals untact and uncompromused?       Yes       No       NA         Did custody papers accompany the sample(s)?       Yes       No       No         Were the custody papers relinquished &amp; signed in the appropriate place?       Yes       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes       No         Ould all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes       No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       No       No         Were the sample, does the COC specify preservatives (D/N), # of containers (D/N), and sample type of       No         Were all preserved samples and all listed on the COC?       Yes       No         Yes       No       Yes       No         Were all preserved samples and all listed on the COC?       Yes       No         Yes       No       Yes       No         Yes       No       Yes       No         Yes       No       No       Yes       No         Yes       No       No       Yes       No</td><td>-Were the seals on the outside of the cooler(s) signed &amp; date?       Yes       <td< td=""><td></td><td>or Con</td></td<></td></t<>	-Were the seals on the outside of the cooler(s) signed & dated?       Yes       No       NA         -Were tamper/custody seals untact and uncompromused?       Yes       No       NA         -Were tamper/custody seals untact and uncompromused?       Yes       No       NA         Did custody papers accompany the sample(s)?       Yes       No       No         Were the custody papers relinquished & signed in the appropriate place?       Yes       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes       No         Ould all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes       No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       No       No         Were the sample, does the COC specify preservatives (D/N), # of containers (D/N), and sample type of       No         Were all preserved samples and all listed on the COC?       Yes       No         Yes       No       Yes       No         Were all preserved samples and all listed on the COC?       Yes       No         Yes       No       Yes       No         Yes       No       Yes       No         Yes       No       No       Yes       No         Yes       No       No       Yes       No	-Were the seals on the outside of the cooler(s) signed & date?       Yes       Yes <td< td=""><td></td><td>or Con</td></td<>		or Con
acex: 1° Grd Exp       Or's FAS (waypoint Client Drop Off Eurorins Courier Other         eceipt After-hours Drop-off Date/Time       Storage Location         urofins Cooler #       Cooler Foam Box       Client Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT:       Wet Lee       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR       GUN #       ICF       IC       Observed Cooler Temp.       °C Corrected Cooler 7         IR GUN #       ICF       IC       of the cooler(s)?       If Yes Quantity       Yes No       T	Aurofins Cooler #       Cooler Box       Chent Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN #       Image: Cooler Temperature upon receipt	Packing material used: <u>Gubble Wrap</u> Foam Plastic Bag None Other COOLANT: <u>Wet Ice</u> Blue Ice Dry Ice Water None Cooler temperature upon receipt IR GUN # (CF C) Observed Cooler Temp °C Corrected Cooler J Were tamper/oustody seals on the outside of the cooler(s)? If Yes Quantity Xes No	COULANI' Weiles Blue Ice Dry Ice Water None Cooler temperature upon receipt IR GUN # 17 (CF 10 (1 °C) Observed Cooler Temp. °C Corrected Cooler 7 Were tamper/oustody seals on the outside of the cooler(s)? If Yes Quantity 2 Yes No	•Were tamper/outloady seals infact and uncompromised?       Yes       No         •Were tamper/outloady papers accompany the sample(s)?       Yes       No         Did custody papers accompany the sample(s)?       Yes       No         Were the custody papers relinquished & signed in the appropriate place?       Yes       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes       No         Could all bottle labels (DD/Date/Time) be reconciled with the COC?       Yes       No         For each sample, does the COC specify preservatives       Ø/N), # of containers       Ø/N), and sample type of         Owere all preserved to perform indicated?       Yes       No         Yes, Questions 13-17 have been checked at the originating laboratory       Yes       No         Yes work share sample(s) at the correct pH upon receipt?       Yes       No         Were vOAs on the COC?       Yes       No         Was a VOA trip blank present in the cooler(s)?       Trip Blank Lot # (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	•Were tamper/custody seals intact and uncompromised?       Yes       No         •Were tamper/custody seals intact and uncompromised?       Yes       No         •Were the custody papers accompany the sample(s)?       Yes       No         •Were the custody papers relinquished & signed in the appropriate place?       Yes       No         •Was/were the person(s) who collected the samples clearly identified on the COC?       Yes       No         •Oud all bottle arrive in good condition (Unbroken)?       Out out the COC?       Yes       No         •Could all bottle analyse, does the COC specify preservatives       O/N), # of containers       O/N, and sample type of         •Were correct bottle(s) used for the test(s) indicated?       Yes       No         •Were these work share samples and all listed on the COC?       Yes       No         •If yes, Questions 13-17 have been checked at the originating laboratory       Yes       No         •Were all preserved sample(s) at the correct pH upon receipt?       Yes       No         •Were all preserved sample(s) at the cooler(s)? Trip Blank Lot # (Correct PC)       Yes       No         •Was a LL Hg or Me Hg trip blank present?       Yes       No       No         •Was a LL Hg or Me Hg trip blank present?       Yes       No       No         •Was a LL Hg or Me Hg trip blank present?       Yes       Ye	Were tamper/outdody seals intact and uncompromised?       Yes No         Shippers' packing slip attached to the cooler(s)?       Yes No         Did custody papers accompany the sample(s)?       Yes No         Were the custody papers relinquished & signed in the appropriate place?       Yes No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes No         For each sample, does the COC specify preservatives (MN), # of containers (MN), and sample type of       Yes No         Of were all preserved to perform indicated analyses?       Yes No         If yes, Questions 13-17 have been checked at the originating laboratory       Yes No         Were all preserved sample(s) at the concert pH upon receipt?       Yes No         Were all preserved sample(s) at the cooler(s)? Trip Blank Lot # (A) 3 C A       Yes No         Was a VOA trip blank present?       Yes No         Was a LL Hg or Me Hg trip blank present?       Yes No         Yes No       No         No       No         No       No         Yes No       No         No       No	-Were the seals on the outside of the cooler(s) signed a -Were tammer/custody seals on the bottle(s) or bottle ki	e/MeHe)? Yes Aa
acex: 1° Ord Exp       OrS FAS (waypoint) Cheft Drop Off       Eurofins Courier       Other         eccipt After-hours       Drop-off Date/Time       Storage Location         urofins Cooler #       Cooler Foam Box       Chent Cooler       Box       Other         Packing material used:       Gubble Wran       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN #       (CF       To () °C)       Observed Cooler Temp.       °C Corrected Cooler         IR GUN #       (CF       To () °C)       Observed Cooler Temp.       °C Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes No       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHe/MeHe)?       Vec Na       No	urofins Cooler #       Common Box       Client Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT:       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         COOLANT:       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN #       (CF       Dityles       Cooler Temp.       °C Corrected Cooler         IR GUN #       (CF       Dityles       °C)       Observed Cooler Temp.       °C Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes No       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHa/MeHa)?       Yes No       NA	Packing material used: Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT: Wet Ice       Blue Ice       Dry Ice       Water       None         Cooler temperature upon receipt         IR GUN # (CF C)       Observed Cooler Temp.       °C       Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity       Yes       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHa/MeHa)?       Yes       No	$ \begin{array}{c} \text{COULAN1} & \text{Wetrey} & \text{Blue Ice} & \text{Dry Ice} & \text{water} & \text{None} \\ \text{Cooler temperature upon receipt} & & & & & & & & & & & & & & & & & & &$	Shippers' packing slip attached to the cooler(s)?       Yes	Shippers' packing slip attached to the cooler(s)?       Yes	Shippers' packing slip attached to the cooler(s)?       Yes	-Were tamper/custody seals intact and uncompromised	Yes No MA
acex: 1° Grd Exp       Urb FAS       (waypoint)       Client Drop Off       Eurorins Courter       Other         eceipt After-hours       Drop-off       Date/Time       Storage Location         urofins Cooler #       Cooler Box       Other       Box       Other         Packing material used:       Gubble Wran       Foam       Plastic Bag       None       Other         COOLANT:       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR       Creation       Creation       Cooler Temp.       °C       Corrected Cooler         IR GUN #       Image: Cooler (Creation in the outside of the cooler(s)?       If Yes Quantity       Yes       Yes       No         Were tamper/custody seals on the outside of the cooler(s) signed & dated?       Yes       No       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes       No       No         -Were tamper/custody seals intact and uncompromised?       Yes       No       No	urofins Cooler #       Common Box       Client Cooler       Box       Other         Packing material used:       Gubble Wran       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR       Interview       Interview       Interview       Interview         IR GUN #       Image: Cooler temperature upon receipt	Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ic       Blue Ice       Dry Ice       Water       None         Cooler temperature upon receipt       Intervention       Intervention       Intervention       See Multiple Cooler Form         IR GUN #       Intervention       (CF       Intervention       °C       Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes       Yes       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes       Yes       No         -Were tamper/custody seals intact and uncompromised?       Yes       No       Na	COULANT: Weiles blue ice Dry ice water None Cooler temperature upon receipt IR GUN # (CF TD t °C) Observed Cooler Temp °C Corrected Cooler Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity Yes No -Were the seals on the outside of the cooler(s) signed & dated? -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No -Were tamper/custody seals intact and uncompromised? Yes No NA	Did custody papers accompany the sample(s)?       (a)       (b)         Were the custody papers relinquished & signed in the appropriate place?       (c)       (c)         Was/were the person(s) who collected the samples clearly identified on the COC?       (c)       (c)         Did all bottles arrive in good condition (Unbroken)?       (c)       (c)       (c)         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       (c)       (c)       (c)         For each sample, does the COC specify preservatives (INN), # of containers (INN), and sample type of       (c)       (c)       (c)         O Were correct bottle(s) used for the test(s) indicated?       (c)	Did custody papers accompany the sample(s)?       Tip approximate place?       Tip approximate pl	Did custody papers accompany the sample(s)?       (3)         Were the custody papers relinquished & signed in the appropriate place?       (3)         Was/were the person(s) who collected the samples clearly identified on the COC?       (3)         Did all bottles arrive in good condition (Unbroken)?       (3)         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       (3)         For each sample, does the COC specify preservatives (MN), # of containers (MN), and sample type of       (3)         Were correct bottle(s) used for the test(s) indicated?       (4)         Sufficient quantity received to perform indicated analyses?       Ves (3)         Are these work share sample(s) at the correct pH upon receipt?       Ves (3)         Were all preserved sample(s) at the correct pH upon receipt?       Ves (3)         Were air bubbles >6 mm in any VOA vials?       Ves (3)         Were air bubbles >6 mm in any VOA vials?       Ves (3)         Were air bubbles >6 mm in the cooler(s)?       Trip Blank Lot # (1)         Were WOA wild?       Via Verbal Voice Mail O         Ontacted PM       Date       by       via Verbal Voice Mail O         S. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES       additional next page       Samples pi	ŝ	Yes (3)
acex: 1° Ord Exp       Orb FAS       (waypoint)       Chent Drop Off       Euronis Courier       Other         eceipt After-hours       Drop-off       Date/Time       Storage Location         urofins Cooler #       Cooler Box       Other       Box       Other         Packing material used:       Gubble Wran       Foam       Plastic Bag       None       Other         COOLANT:       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR       CF       Div       C       Observed Cooler Temp.       °C       Corrected Cooler         IR       GUN #       I       (CF       Div       °C)       Observed Cooler Temp.       °C       Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes       Yes       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes       No       No         -Were tamper/custody seals intact and uncompromised?       Yes       No       No         -Were tamper/custody seals intact and uncompromised?       Yes       No       No	urofins Cooler #       Cleant Box       Client Cooler       Box       Other         Packing material used:       Gubble Wran       Foam       Plastic Bag       None       Other         COOLANT       Wet Ico       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR       Interview       Interview       Interview       Interview         IR GUN #       Interview       (CF       Interview       Cooler Temp.       °C Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes No       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No	Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ic       Blue Ice       Dry Ice       Water       None         Cooler temperature upon receipt       IR GUN #       Image: Cooler temperature upon receipt       Image: Cooler Temp.       °C       Corrected Cooler         IR GUN #       Image: Comparison of the outside of the cooler(s)?       If Yes Quantity       °C       Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s) signed & dated?       Yes No       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No         Shinners' nacking shin attached to the cooler(s)?       Yes No       No	COULANT:       Wether       Blue Loc       Dry Loc       Water       None         Cooler temperature upon receipt       IR See Multiple Cooler Form       In See Multiple Cooler Form         IR GUN #	Were the custody papers relinquished & signed in the appropriate place?       Yes       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes       No         Did all bottles arrive in good condition (Unbroken)?       Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes       No         For each sample, does the COC specify preservatives (IVN), # of containers (IVN), and sample type of       Yes       No         Were correct bottle(s) used for the test(s) indicated?       Yes       No         Sufficient quantity received to perform indicated analyses?       Yes       No         Are these work share samples and all listed on the COC?       Yes       No         Sufficient quantity received to perform indicated analyses?       Yes       No         Are these work share sample(s) at the correct pH upon receipt?       Yes       No         Were all preserved sample(s) at the correct pH upon receipt?       Yes       No         Was a VOA trip blank present in the cooler(s)?       Trip Blank Lot # (13)       Yes       No         Was a LL Hg or Me Hg trip blank present?       No       Yes       No         Was a LL Hg or Me Hg trip blank present?       No       Yes       No         Ontacted PM       Date       Date       by       via Verbal Voice Mail O	Were the custody papers relinquished & signed in the appropriate place?       Image: Signed Condition (Unbroken)?         Did all bottles arrive in good condition (Unbroken)?       Image: Signed Condition (Unbroken)?         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Image: Signed Condition (Unbroken)?         For each sample, does the COC specify preservatives (IVN), # of containers (INN), and sample type of       Image: Signed Condition (Unbroken)?         Were correct bottle(s) used for the test(s) indicated?       Image: Signed Condition (Unbroken)?         Were these work share samples and all listed on the COC?       Image: Signed Condition (Unbroken)?         1 Sufficient quantity received to perform indicated?       Image: Signed Condition (Unbroken)?         2. Are these work share samples and all listed on the COC?       Image: Signed Condition (Unbroken)?         1 Sufficient quantity received to perform indicated?       Image: Signed Condition (Unbroken)?         2. Are these work share samples and all listed on the COC?       Image: Signed Condition (Unbroken)?         3 Were all preserved sample(s) at the correct pH upon receipt?       Yes No         4 Were VOAs on the COC?       Image: Signed Condition (Via)?         5 Ware at bubbles >6 mm in any VOA vials?       Image: Signed Condition (Via)?         6 Was a VOA trip blank present in the cooler(s)?       Image: Signed Condition (Via)?         7 Was a L. Hg or Me Hg trip blank present?       Via	Were the custody papers relinquised & signed in the appropriate place?       Yes	-	¥ (
acex: 1° Ord Exp       Orb FAS       (waypoint)       Chent Drop Off       Storage Location         ereipt After-hours       Drop-off       Date/Time       Storage Location         urofins Cooler #       Cooler Box       Other       Box       Other         Packing material used:       Gubble Wran       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN #       Image: Cooler Temp       °C       Corrected Cooler         IR GUN #       Image: Cooler (CF       Image: Cooler Temp       °C       Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes       No         -Were tamper/custody seals on the outside of the cooler(s) signed & dated?       No       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes       No         -Were tamper/custody seals in tact and uncompromised?       Yes       No         -Were tamper/custody seals in tact and uncompromised?       Yes       No         -Were tamper/custody seals in tact and uncompromised?       Yes       No         -Were tamper/custody namers accommany the sample(s)?       Yes	urofins Cooler #       Cleant Box       Client Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ico       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN #       Image: Cooler Temp.       Image: Cooler Form       Image: Cooler Form         IR GUN #       Image: Cooler Temp.       Image: Cooler Temp.       Image: Cooler Form         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Image: Cooler Cooler         -Were the seals on the outside of the cooler(s) signed & dated?       Image: Cooler Temp.       Image: Cooler Cooler         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes (Mooler       Image: Cooler Societ Cooler         -Were tamper/custody seals in tact and uncompromised?       Yes Nooler       Image: Cooler Societ Cooler       Image: Cooler Societ Cooler         Shippers' packing slip attached to the cooler(s)?       Yes Nooler       Image: Cooler       Image: Cooler         Did custody namers accommany the sample(s)?       Yes Nooler       Yes Nooler       Image: Cooler	Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ic       Blue Ice       Dry Ice       Water       None         Cooler temperature upon receipt       IR       IR       See Multiple Cooler Form         IR GUN #       Image: CF       Image: COOLANT       Image: CC       Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s) signed & dated?       Image: CC       Vere tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes       No         Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes       No       No         Were tamper/custody seals in the cooler(s)?       Signed & dated?       Yes       No         Were tamper/custody seals in the bottle(s) or bottle kits (LLHg/MeHg)?       Yes       No         Were tamper/custody seals in the cooler(s)?       Yes       No       No         Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes       No       No         Were tamper/custody seals in tact and uncompromised?       Yes       No       No         Did custody namers accommany the sample(s)?       Yes       No       No	COULANT:       Wettige       Blue Loc       Dry Loc       Water       None         Cooler temperature upon receipt       IR GUN # (CF TD ( C) Observed Cooler Temp C Corrected Cooler         IR GUN # (CF TD ( C) Observed Cooler Temp C Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity Yes No         -Were the seals on the outside of the cooler(s) signed & dated?       Yes No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No         -Were tamper/custody seals intact and uncompromised?       Yes No         Shippers' packing shp attached to the cooler(s)?       Yes No         Out custody namers accommany the sample(s)?       Yes No	Was/were the person(s) who collected the samples clearly identified on the COC?       Tes No         Did all bottles arrive in good condition (Unbroken)?       Tes No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Tes No         For each sample, does the COC specify preservatives (MN), # of containers (DN), and sample type of       Sufficient quantity received to perform indicated?         1 Sufficient quantity received to perform indicated analyses?       Yes No         2. Are these work share samples and all listed on the COC?       Yes No         1 Sufficient quantity received to perform indicated analyses?       Yes No         2. Are these work share samples and all listed on the COC?       Yes No         3 Were all preserved sample(s) at the correct pH upon receipt?       Yes No         4 Were VOAs on the COC??       Yes No         5 Were air bubbles >6 mm in any VOA vials?       Yes No         6 Was a VOA trip blank present in the cooler(s)?       Trip Blank Lot # (a 3 - 2 + 1)       Yes No         7 Was a LL Hg or Me Hg trip blank present?       Yes No       No         Yes No       Yes No       Yes No       Yes No         Yes No       Yes No       Yes No       Yes No         6 Was a LL Hg or Me Hg trip blank present?       Yes No       Yes No       Yes No         Yes No       Yes No       Yes No	Was/were the person(s) who collected the samples clearly identified on the COC?       Test No         Did all bottle arrive in good condition (Unbroken)?       Test No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Test No         For each sample, does the COC specify preservatives (IN/Date/Time) be reconciled with the COC?       Test No         0 Were correct bottle(s) used for the test(s) indicated?       Test No         1 Sufficient quantity received to perform indicated analyses?       No         2. Are these work share samples and all listed on the COC?       Test No         1 Sufficient quantity received to perform indicated analyses?       Yes No         2. Are these work share samples and all listed on the COC?       Test No         3 Were all preserved sample(s) at the correct pH upon receipt?       Yes No         4 Were VOAs on the COC?       Yes No         5 Were air bubbles >6 mm in any VOA vials?       Larger than this Tr         7 Was a LL Hg or Me Hg trip blank present?       Yes No         9 No	entified on the COC? Tes No # of containers (DN), and sample type of ger than this TF Lot # (1) 2 2 1 wia Verbal Voice Mail O yia Verbal Voice Mail O Samples p	-	
acex: 1° Ord Exp       Orb FAS       (waypoint) Chent Drop Off       Eurorins Courier       Other         eceipt After-hours       Drop-off Date/Time       Storage Location         urofins Cooler #       Cooler Box       Other       Dot         Packing material used:       Gubble Wran       Foam       Plastic Bag       None       Other         Packing material used:       Gubble Wran       Foam       Plastic Bag       None       Other         COOLANT:       Wet Ice       Dry Ice       Water       None       Other         COOLANT:       Wet Ice       Dry Ice       Dry Ice       See Multiple Cooler Form         IR GUN #       Image: Im	urofins Cooler #       Coam Box       Client Cooler       Box       Other         Packing material used:       Gubble Wran       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Dry Ice       Water       None       Other         COOLANT       Wet Ice       Dry Ice       Water       None       Other         COOLANT       Wet Ice       Dry Ice       Water       None       Other         IR GUN #       Image: Cooler temperature upon receipt       Image: Cooler Temp.       °C Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes       Yes         -Were the seals on the outside of the cooler(s) signed & dated?       Yes       No       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes       No       No         -Were tamper/custody seals in tact and uncompromised?       Yes       No       No         -Were the custody papers accompany the sample(s)?       Yes       No       No         Old custody papers accompany the sample(s)?       Yes       No       No	Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ic       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN #       Image: Cooler temperature upon receipt       Image: Cooler temperater upon receipt       Image: Cooler temperature upon rec	COULANT:       Wettige       Blue loc       Dry loc       Water       None         Cooler temperature upon receipt       IR GUN # (CF (C) Observed Cooler Temp °C Corrected Cooler       Corrected Cooler         IR GUN # (CF (CF (C) Observed Cooler Temp °C Corrected Cooler       °C Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity Yes No          -Were the seals on the outside of the cooler(s) signed & dated?            -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No          -Were tamper/custody seals intact and uncompromised?       Yes No          Shippers' packing slip attached to the cooler(s)?       Yes No          Did custody papers accompany the sample(s)?       Yes No          Were the custody papers relinquiched & stand in the appropriate place?        Yes No	Did all bottles arrive in good condition (Unbroken)?       Good Could all bottles arrive in good condition (Unbroken)?       Good Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Good Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Good Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Good Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Good Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Good Could all bottle labels (ID/Date/Time) be reconciled analyses?       Good Could all bottle courses (ID/Date/Time) be reconciled analyses?       Good Could all bottle courses (ID/Date/Time) be received?       Good Could all bottle courses (ID/Date/Time) be reconciled analyses?       Good Could all bottle courses (ID/Date/Time) be reconciled analyses?       Good Courses (ID/Date/Time) be received?       Good Courses (ID/Date/Time) blank present?       Goo	Did all bottles arrive in good condition (Unbroken)?       Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Coc       Sufficient quantity received to perform indicated?       Containers (DN), # of containers (DN), and sample type of the sample, loss the COC specify preservatives (DN), # of containers (DN), and sample type of Sufficient quantity received to perform indicated analyses?       Containers (DN), and sample type of the test(s) indicated?         1       Sufficient quantity received to perform indicated analyses?       Yes (No)         2. Are these work share samples and all listed on the COC?       Yes (No)         If yes, Questions 13-17 have been checked at the originating laboratory       Yes (No)         3       Were all preserved sample(s) at the correct pH upon receipt?       Yes (No)         4       Were VOAs on the COC?       Yes (No)         5       Were air bubbles >6 mm in any VOA vials?       Larger than this.)       Yes (No)         6       Was a VOA trip blank present in the cooler(s)?       Trip Blank Lot # (13.2.2.1.)       Yes (No)         7       Was a LL Hg or Me Hg trip blank present?       Yes (No)       No         0       Ontacted PM Date by	COC? # of containers (DN), and sample type of the second		
acex:       1°       Orb       FAS       (waypoint)       Chent Drop Off       Euronis Courier       Other         arofins       Cooler       #       Korage Location       Storage Location         arofins       Cooler       #       Korage Location       Storage Location         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT:       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         COOLANT:       Wet Ice       Dry Ice       Water       None       Other       Other         COOLANT:       Wet Ice       Dry Ice       Water       None       Other       Other         IR GUN#       Import/custody seals on the outside of the cooler(s)?       If Yes Quantity       Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes       No         -Were tamper/custody seals in that and uncompromised?       Yes       No       Yes       No         -Were tamper/custody seals in the the cooler(s)?       Yes       No       Yes       No         -Were tamper/custody seals in the cooler(s)?       Yes       No       Yes       No         Did custody papers relinq	urofins Cooler #       Client Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR       Image: Cooler temperature upon receipt       See Multiple Cooler Form         IR GUN #       Image: Creation the outside of the cooler(s)?       If Yes Quantity       Yes No         -Were tamper/custody seals on the outside of the cooler(s) signed & dated?       No       NA         -Were tamper/custody seals intact and uncompromised?       Yes No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No         -Were the custody papers accompany the sample(s)?       Yes No       No         Did custody papers relinquished & signed in the appropriate place?       Yes No       No         Was/were the nereson(s) who	Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN #       IR GUN #       IR Cooler temperature upon receipt       IR See Multiple Cooler Form         IR GUN #       (CF       TD () °C)       Observed Cooler Temp.       °C Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Cas       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes       No         -Were tamper/custody seals intact and uncompromised?       Yes       No         -Were tamper/custody seals intact and uncompromised?       Yes       No         Old custody papers accompany the sample(s)?       Yes       No         Were the custody papers relinquished & signed in the appropriate place?       Yes       No         Was/were the nerson(s) who collected the samples clearly identified on the COC?       Yes       No	COULANT:       Wettice       Dry Ice       Water       None         Cooler temperature upon receipt       IR GUN # (CF (CF C) Observed Cooler Temp C Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity Yes No           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         -Were tamper/custody seals intact and uncompromised?       Yes No       No         Did custody papers accompany the sample(s)?       Yes No       No         Were the nerson(s) who collected the samples clearly identified on the COC?       Yes No	Could all bottle labels (ID/Date/Time) be reconciled with the COC?       (a) No         For each sample, does the COC specify preservatives (ID/N), # of containers (IDN), and sample type of         0 Were correct bottle(s) used for the test(s) indicated?       (b) No         1 Sufficient quantity received to perform indicated analyses?       (ID) No         2. Are these work share samples and all listed on the COC?       (ID) No         1 fyes, Questions 13-17 have been checked at the originating laboratory       Yes (No         2. Were all preserved sample(s) at the correct pH upon receipt?       Yes No         4 Were VOAs on the COC?       (ID) No         5 Were air bubbles >6 mm in any VOA vials?       (ID) Larger than this.]       (ID) No         6 Was a VOA trip blank present in the cooler(s)?       Trip Blank Lot # (ID) Cover exclosed in the cover exclosed in	Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Image: Constant of the consta	GOC? # of containers (DN), and sample type of (The No (The No (The No Yes No (The No Yes No Lot # (The Tes No No Lot # (The Tes No Yes No No NA Lot # (The Tes No Yes No No NA Lot # (The Tes No Yes No Yes No No NA Lot # (The Tes No Yes No No NA Sample type of Samples page		S
acex: 1° Grd Exp       Urb FAS (waypoint) Chent Drop Off       Euronins Courier       Storage Location         arofins Cooler #       Kome       Storage Location         Packing material used:       Foam Box       Chent Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN #       Image: Cooler Temp       Corrected Cooler Form       See Multiple Cooler Form         IR GUN #       Image: Creating the outside of the cooler(s)?       If Yes Quantity       Conrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Cooler       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No       No         -Were tamper/custody papers accompany the sample(s)?       Yes No       No       No	urofins Cooler #       Cleant Box       Client Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR       Image: Cooler temperature upon receipt       See Multiple Cooler Form         IR GUN #       Image: Create the cooler(s)?       If Yes Quantity       Yes No       No         Were tamper/custody seals on the outside of the cooler(s) signed & dated?       No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No         Old custody papers accompany the sample(s)?       Yes No       No         Were the custody papers relinquished & signed in the appropriate place?       Yes No       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes No       No         Did all botties arrive	Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN #       Image: Cooler temperature upon receipt         IR GUN #       Image: Cooler temperature upon receipt         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Ves No       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No         Did custody papers accompany the sample(s)?       Yes No       No         Were the person(s) who collected the samples clearly identified on the COC?       Yes No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes No         Did all bottles arrive in good condition (Unbroken)?       Yes No       No <td>COULANT       Wettley       Blue loc       Dry loc       water       None         Cooler temperature upon receipt       IR GUN # (CF (CF C) Observed Cooler Temp C Corrected Cooler       See Multiple Cooler Form         IR GUN # (CF (CF D C) Observed Cooler Temp C Corrected Cooler       See Multiple Cooler Form         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity 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         Shippers' packing slip attached to the cooler(s)?       Yes No       No         Did custody papers accompany the sample(s)?       Yes No       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes No         Did all bottles arrive in good condition (Unbroken)?       Weak No       No</td> <td>For each sample, does the COC specify preservatives (IVN), # of containers (IVN), and sample type of         0 Were correct bottle(s) used for the test(s) indicated?         1 Sufficient quantity received to perform indicated analyses?         2. Are these work share samples and all listed on the COC?         If yes, Questions 13-17 have been checked at the originating laboratory         3 Were all preserved sample(s) at the correct pH upon receipt?         4 Were VOAs on the COC?         5 Were air bubbles &gt;6 mm in any VOA vials?         6 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (13-3-2-1)         7 Was a LL Hg or Me Hg trip blank present?         blank present?         by       via Verbal Voice Mail O         ontacted PM       Date         bar       via Verbal Voice Mail O</td> <td>For each sample, does the COC specify preservatives (\$\mathcal{V}N\$), # of containers (\$\mathcal{D}N\$), and sample type of         0 Were correct bottle(s) used for the test(s) indicated?         1 Sufficient quantity received to perform indicated analyses?         2. Are these work share samples and all listed on the COC?         If yes, Questions 13-17 have been checked at the originating laboratory         3 Were all preserved sample(s) at the correct pH upon receipt?         4 Were VOAs on the COC?         5 Were air bubbles &gt;6 mm in any VOA vials?         6 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # for 3-2-1 + tes No         7 Was a LL Hg or Me Hg trip blank present?         bar bub les &gt;6 mm in any voa vials?         6 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # for 3-2-1 + tes No         7 Was a LL Hg or Me Hg trip blank present?         9 Date       by       via Verbal Voice Mail O         0 oncerning</td> <td># of containers (DN), and sample type of Paboratory plaboratory plaboratory plaboratory Care than thus. The No Yes No No No No No No No No No No</td> <td></td> <td>-</td>	COULANT       Wettley       Blue loc       Dry loc       water       None         Cooler temperature upon receipt       IR GUN # (CF (CF C) Observed Cooler Temp C Corrected Cooler       See Multiple Cooler Form         IR GUN # (CF (CF D C) Observed Cooler Temp C Corrected Cooler       See Multiple Cooler Form         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity 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         Shippers' packing slip attached to the cooler(s)?       Yes No       No         Did custody papers accompany the sample(s)?       Yes No       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes No         Did all bottles arrive in good condition (Unbroken)?       Weak No       No	For each sample, does the COC specify preservatives (IVN), # of containers (IVN), and sample type of         0 Were correct bottle(s) used for the test(s) indicated?         1 Sufficient quantity received to perform indicated analyses?         2. Are these work share samples and all listed on the COC?         If yes, Questions 13-17 have been checked at the originating laboratory         3 Were all preserved sample(s) at the correct pH upon receipt?         4 Were VOAs on the COC?         5 Were air bubbles >6 mm in any VOA vials?         6 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (13-3-2-1)         7 Was a LL Hg or Me Hg trip blank present?         blank present?         by       via Verbal Voice Mail O         ontacted PM       Date         bar       via Verbal Voice Mail O	For each sample, does the COC specify preservatives (\$\mathcal{V}N\$), # of containers (\$\mathcal{D}N\$), and sample type of         0 Were correct bottle(s) used for the test(s) indicated?         1 Sufficient quantity received to perform indicated analyses?         2. Are these work share samples and all listed on the COC?         If yes, Questions 13-17 have been checked at the originating laboratory         3 Were all preserved sample(s) at the correct pH upon receipt?         4 Were VOAs on the COC?         5 Were air bubbles >6 mm in any VOA vials?         6 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # for 3-2-1 + tes No         7 Was a LL Hg or Me Hg trip blank present?         bar bub les >6 mm in any voa vials?         6 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # for 3-2-1 + tes No         7 Was a LL Hg or Me Hg trip blank present?         9 Date       by       via Verbal Voice Mail O         0 oncerning	# of containers (DN), and sample type of Paboratory plaboratory plaboratory plaboratory Care than thus. The No Yes No No No No No No No No No No		-
categy is a compared with the cooler state of the cooler state state of the cooler state of the	urofins Cooler #       Cleant Box       Cleant Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Iso       Blue Ice       Dry Ice       Water       None       Other         COOLANT       Wet Iso       Blue Ice       Dry Ice       Water       None       Other         COOLANT       Wet Iso       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN #       Image: Cooler Form       See Multiple Cooler Form       See Multiple Cooler Form         IR GUN #       Image: CF       Image: Cooler Temp.       °C Corrected Cooler       °C Corrected Cooler         -Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Vas       No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No       No         Old custody papers accompany the sample(s)?       Yes No       No       No       No         Did custody papers relinquished & signed in the appropriate place?       Yes No       No       No       No         <	Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ic       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN #       Image: Cooler temperature upon receipt       Image: Cooler temperatemperature upon receipt       Image: Cooler temperatempe	COULANT       Wettige       Blue Loc       Dry Loc       Water       None         Cooler temperature upon receipt       IR GUN # (CF TO C) Observed Cooler Temp C Corrected Cooler       Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity Yes No   <	Were correct bottle(s) used for the test(s) indicated?       The set of the set o	Were correct bottle(s) used for the test(s) indicated?       (Provide Not State	ger than this T F Lot # <u>Ar J C J H</u> via Verbal Voice Mail O via Verbal Voice Mail O Samples p		N), # of containers (2)N), and sample type of grab/comp (2)?
categy: 1" Grid Exp       OFS       FAS       Wappend       Chent Loop Off       Storage Location         wrofins Cooler #       Kooler Time       Storage Location       Storage Location         Packing material used:       Guibble Wrap       Foam Box       Chent Cooler       Bay       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         IR GUN #       I       (CF       Total       C)       Observed Cooler       Foam       See Multiple Cooler Form         IR GUN #       I       (CF       Total       C)       Observed Cooler Temp       C       Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantry       Yes       No       No         -Were tamper/custody seals intact and uncompromised?       Yes       No       No       No       No         -Were tamper/custody seals intact and uncompromised?       Yes       No	urofins Cooler #       Chem Box       Chent Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       Image: Cooler Temp.       Image: Cooler Form       Image: Cooler Form         IR GUN #       Image: Cooler Temp.       Image: Cooler Form       Image: Cooler Form       Image: Cooler Form         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Vas No       Vas No         -Were tamper/custody seals on the outside of the cooler(s) is gned & dated?       Yes No       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No       Yes No         -Were tamper/custody seals intact and uncompromised?       Yes No       No         -Were the custody papers accompany the sample(s)?       Yes No       No         Did custody papers relinquished & signed in the appropriate place?       Yes No       No         Were the person(s) who collected the samples clearly identified on the COC?       Yes No       No         Did all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes No       No         Odd       No	Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN #       Image: Cooler temperature upon receipt       Image: Cooler temperature upon receipt       See Multiple Cooler Form         IR GUN #       Image: Cooler temperature upon receipt       Image: Cooler temperature upon receipt       Image: Cooler temperature upon receipt       See Multiple Cooler Form         IR GUN #       Image: Cooler temperature upon receipt       Image: Cooler temperature upon receipt       See Multiple Cooler Form         Were tamper/custody seals on the outside of the cooler(s) signed & dated?       Image: Cooler temperature upon receipt       Image: Cooler temperatemperature upon receipt       Image	COULANT       Wet LCP       Entre LCP       Dry Lce       Water       None         Cooler temperature upon receipt       IR GUN # (CF L_ °C)       Observed Cooler Temp °C Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity Yes No       No         -Were the seals on the outside of the cooler(s) signed & dated?       Yes No       No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No       Yes No         -Were tamper/custody seals intact and uncompromised?       Yes No       Yes No         Shippers' packing slip attached to the cooler(s)?       Yes No       Yes No         Did custody papers accompany the sample(s)?       Yes No       Yes No         Were the person(s) who collected the samples clearly identified on the COC?       Yes No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes No         Oid all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes No         Yes the cooler from       Yes No       Yes No         Yes No       Yes No       Yes No       Yes No         Yes the custody papers relinquished & signed in the appropriate place?       Yes No       Yes No         Yes No       Yes No       Yes No <td< td=""><td>Sufficient quantity received to perform indicated analyses? (G) No Are these work share samples and all listed on the COC? Yes (No If yes, Questions 13-17 have been checked at the originating laboratory Were all preserved sample(s) at the correct pH upon receipt? Yes No Were VOAs on the COC? Were air bubbles &gt;6 mm in any VOA vials? (C) Larger than this. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (12-2-1) Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No</td><td>Sufficient quantity received to perform indicated analyses?       Vestors       Vestors&lt;</td><td>ger than this. I F Lot # <u>ftr 3.2 T</u> via Verbal Voice Mail O additional next page Samples pi</td><td></td><td>Cen No</td></td<>	Sufficient quantity received to perform indicated analyses? (G) No Are these work share samples and all listed on the COC? Yes (No If yes, Questions 13-17 have been checked at the originating laboratory Were all preserved sample(s) at the correct pH upon receipt? Yes No Were VOAs on the COC? Were air bubbles >6 mm in any VOA vials? (C) Larger than this. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (12-2-1) Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No Was a LL Hg or Me Hg trip blank present? Yes (No	Sufficient quantity received to perform indicated analyses?       Vestors       Vestors<	ger than this. I F Lot # <u>ftr 3.2 T</u> via Verbal Voice Mail O additional next page Samples pi		Cen No
attext:       Crite       Exp       Urb       FAS       (waypoint)       Client Loop OIT       Entronus Courter       Storage Location         wrofins Cooler       Box       Other       Box       Other       Box       Other         Packing material used:       Gubble Wran       Foam Box       Chent Cooler       Box       Other         COOLANT       Wet Les       Blue Le       Dry Lee       Water       None       Other         Cooler temperature upon receipt       IR GUN#       Image: Cooler Temp.       C Corrected Cooler       See Multiple Cooler Form         IR GUN#       Image: Criter       Image: Criter       Image: Cooler Temp.       C Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Xes       No         -Were the seals on the outside of the cooler(s) signed & dated?       No       No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No       No       No         Did custody papers accompany the sample(s)?       Yes No       Yes No       No       No         Did custody papers relinquished & signed in the appropriate place?       Yes No       No       No       No         Solid all bottle sample, does the COC specify preservatives (NN), # of contain	urofins Cooler #       Koam Box       Chent Cooler       Box       Other         Packing material used:       Guibble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       Dry Ice       Water       None       Other         IR GUN #       Image: Cooler temperature upon receipt       See Multiple Cooler Form       See Multiple Cooler Form         IR GUN #       Image: Cooler temperature upon receipt       See Multiple Cooler Form       See Multiple Cooler Form         IR GUN #       Image: Cooler temperature upon receipt       See Multiple Cooler Form       See Multiple Cooler Form         IR GUN #       Image: Cooler temperature upon receipt       See Multiple Cooler Temp.       CC Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantry       Yes No       No         -Were tamper/custody seals untact and uncompromised?       Yes No       No       No         -Were tamper/custody seals untact and uncompromsed?       Yes No       No       No         Otic custody papers accompany the sample(s)?       Yes No       No       No         Were the seating ship attached to the cooler(s)?       Yes No       No       N	Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ice       Dry Ice       Water       None       Other       Exe Multiple Cooler Form         IR GUN #       (CF       TD ()       °C)       Observed Cooler Temp.       °C Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Zas No       °C         Were tamper/custody seals on the outside of the cooler(s)?       Were See Multiple Cooler Form       °C Corrected Cooler         Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No         Shippers' packing slip attached to the cooler(s)?       Yes No       No         Old custody papers accompany the sample(s)?       Yes No       No         Ware the person(s) who collected the samples clearly identified on the COC?       Yes No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes No         Oid all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes No       No         Oid all bottle labels (D/Date/Time) be reconciled with the COC?       Yes No       No         Yes No       Yes No       Yes No       No	COULANT       Wettige       Entre Lice       Dry Lice       water       None         IR GUN #       (CF       TO       (CF       TO       Observed Cooler Temp.       °C Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes No       .	If yes, Questions 13-17 have been checked at the originating laboratory Were all preserved sample(s) at the correct pH upon receipt? Were VOAs on the COC? Were air bubbles >6 mm in any VOA vials? Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 100000000000000000000000000000000000	If yes, Questions 13-17 have been checked at the originating laboratory Were all preserved sample(s) at the correct pH upon receipt? Were VOAs on the COC? Were air bubbles >6 mm in any VOA vials? Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (13-12-1) (13) No Was a LL Hg or Me Hg trip blank present? Date by via Verbal Voice Mail O ncerning	ger than this T F Yes No NA Lot # 10 C Yes No NA Lot # 10 C Yes No NA via Verbal Voice Mail O J additional next page Samples pi		v.
categy Life       Cury Frage Control       Client Cooler       Storage Location         urofins Cooler #       Cooler Box       Client Cooler       Box       Other         Packing material used:       Guible Wrap       Foam Box       Client Cooler       Box       Other         COOLANT       Wert Co       Blue Lce       Dry Lce       Water       None       Other         COOLANT       Wert Cooler       Blue Lce       Dry Lce       Water       None       Other         IR GUN #       I       (CF       ID (1) °C)       Observed Cooler       Corrected Cooler       Fom         IR GUN #       I       (CF       ID (1) °C)       Observed Cooler Temp       °C       Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Cost       Yes No         •Were tamper/custody seals intact and uncompromised?       Yes No       No       No         Did custody papers accompany the sample(s)?       Yes No       No       No         Out custody papers accompany the samples clearly identified on the COC?       Yes No       No         Did all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes No       No         Out all bottle sample, does the COC specify preservatives (NN), # of containers (DN), and	urofins Cooler #       Foam Box       Chent Cooler       Box       Other         Packing material used:       Gubble Wran       Foam       Plastic Bag       None       Other         COOLANT       Wet Los       Blue Loc       Dry Loc       Water       None       Other         COOLANT       Wert Emperature upon receipt       In Cr       Dry Loc       Water       None       Other         IR GUN #	Packing material used:       Bubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Ic       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       Interceipt       See Multiple Cooler Form       See Multiple Cooler Form       See Multiple Cooler Form         IR GUN #       Interceipt       Interceipt       See Multiple Cooler Form       See Multiple Cooler Form         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Connected Cooler         Were the seals on the outside of the cooler(s)?       If Yes Quantity       Yes No         Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No       No         Were tamper/custody seals intact and uncompromised?       Yes No       No         Were tamper/custody papers accompany the sample(s)?       Yes No       No         Did custody papers relinquished & signed in the appropriate place?       Yes No       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes No       No         Out all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes No       No         Yes these work of are sample, does the COC specify preservatives (J/N), # of containers (J/N), and sample type of gra No       No <tr< td=""><td>COULANT:       Wet is but ice       Dry ice       Water       None         Cooler temperature upon receipt       <math>(CF + D (1 + c))</math>       Observed Cooler Temp.       <math>cC</math> Corrected Cooler         IR GUN #       <math>(CF + D (1 + c))</math>       Observed Cooler Temp.       <math>cC</math> Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       <math>cR_s</math>       No         Were the seals on the outside of the cooler(s) or bottle kits (LLHg/MeHg)?       Yes <math>(CF + D (1 + c))^2</math>       Yes <math>(CF + D (1 + </math></td><td>Were all preserved sample(s) at the correct pH upon receipt?       Yes       No         Were VOAs on the COC?       Were via bubbles &gt;6 mm in any VOA vials?       Larger than thus. If       Yes       No         Was a VOA trip blank present in the cooler(s)?       Trip Blank Lot #       If and the cooler(s)?       Yes       No         Was a LL Hg or Me Hg trip blank present?       Date       by       via Verbal Voice Mail O         ntacted PM       Date       by       via Verbal Voice Mail O</td><td>Were all preserved sample(s) at the correct pH upon receipt?       Yes       No         Were VOAs on the COC?       Were air bubbles &gt;6 mm in any VOA vials?       Imager than this.       Trip No         Was a VOA trip blank present in the cooler(s)?       Trip Blank Lot #       Imager than this.       Trip No         Was a LL Hg or Me Hg trip blank present?       by       via Verbal Voice Mail O         Intacted PM       Date       by       via Verbal Voice Mail O</td><td>ger than this. Lot # <u>the res</u> via Verbal Voice Mail O additional next page Samples pi</td><td>If yes. Ouestions 13-17 have been checked at the original</td><td>T SS</td></tr<>	COULANT:       Wet is but ice       Dry ice       Water       None         Cooler temperature upon receipt $(CF + D (1 + c))$ Observed Cooler Temp. $cC$ Corrected Cooler         IR GUN # $(CF + D (1 + c))$ Observed Cooler Temp. $cC$ Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity $cR_s$ No         Were the seals on the outside of the cooler(s) or bottle kits (LLHg/MeHg)?       Yes $(CF + D (1 + c))^2$ Yes $(CF + D (1 + $	Were all preserved sample(s) at the correct pH upon receipt?       Yes       No         Were VOAs on the COC?       Were via bubbles >6 mm in any VOA vials?       Larger than thus. If       Yes       No         Was a VOA trip blank present in the cooler(s)?       Trip Blank Lot #       If and the cooler(s)?       Yes       No         Was a LL Hg or Me Hg trip blank present?       Date       by       via Verbal Voice Mail O         ntacted PM       Date       by       via Verbal Voice Mail O	Were all preserved sample(s) at the correct pH upon receipt?       Yes       No         Were VOAs on the COC?       Were air bubbles >6 mm in any VOA vials?       Imager than this.       Trip No         Was a VOA trip blank present in the cooler(s)?       Trip Blank Lot #       Imager than this.       Trip No         Was a LL Hg or Me Hg trip blank present?       by       via Verbal Voice Mail O         Intacted PM       Date       by       via Verbal Voice Mail O	ger than this. Lot # <u>the res</u> via Verbal Voice Mail O additional next page Samples pi	If yes. Ouestions 13-17 have been checked at the original	T SS
cereipt After-hours       Drop-off Date/Time       Storage Location         urofins Cooler       Foam Box       Client Cooler       Box         Packing material used:       Fubble Wrap       Foam Pastic Bag       None       Other         COOLANT       Werl Ear       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       IR GUN #       Image Location       Corrected Cooler       None       Other         IR GUN #       Image Location       Image Location       Corrected Cooler       None       Other         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes       No       -         Were tamper/custody seals in thact and uncompromised?       Yes       No       No       -         Were tamper/custody seals intact and uncompromised?       Yes       No       -       No       -         Were tamper/custody papers accompany the sample(s)?       Yes       No       -       -       No       -       -       No       -       -       -       No       No	urofins Cooler #       Comme Box       Chent Cooler       Box       Other         Packing material used:       Guible Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet Iso       Blue Ice       Dry Ice       Water       None       Other         COOLANT       Wert Iso       Blue Ice       Dry Ice       Water       None       Other         IR GUN #       (F       Dt       C       Observed Cooler Temp.       °C Corrected Cooler         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Cas       No         -Were tamper/custody seals in the outside of the cooler(s)?       No       No       No         -Were tamper/custody seals in the cooler(s)?       Yes Quantity       Yes       No         -Were tamper/custody seals in the cooler(s)?       Yes       No       No         -Were tamper/custody seals in the cooler(s)?       Yes       No       No         -Were tamper/custody seals in the cooler(s)?       Yes       No       No         -Were tamper/custody seals in the cooler(s)?       Yes       No       No         -Shippers' packing slip atached to the cooler(s)?       Yes       No       No         -So       No       No <td< td=""><td>Packing material used:       Gubble Wrap.       Foam       Plastic Bag       None       Other         COOLANT.       Wet Eamper/Custody seals on the outside of the cooler(s)?       If Yes Quantity       Vester tamper/Custody seals on the outside of the cooler(s)?       If Yes Quantity       Vester tamper/Custody seals on the outside of the cooler(s)?       If Yes Quantity       Vester tamper/Custody seals on the outside of the cooler(s)?       If Yes Quantity       Vester tamper/Custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No         Were tamper/custody seals intact and uncompromised?       Yes No       No       No         Were tamper/custody seals intact and uncompromised?       Yes No       Ves No       No         Were the custody papers accompany the sample(s)?       Yes No       Ves No       No         Did custody papers relinquished &amp; signed in the appropriate place?       Yes No       No         Ware the person(s) who collected the samples clearly identified on the COC?       Yes No       No         Ould all bottle labels (D/Date/Time) be reconciled with the COC?       Yes No       No       No         For each sample, does the COC specify preservatives (NN), # of containers (NN), and sample type of gra       No       No         Were torrect bottle(s) used for the test(s) indicated analyses?       Yes No       No       No         Sufficient quantity received to perform indicated</td><td>COULANT:       Wert LCP       Elue LCe       Dry LCe       Water       None         IR GUN #       I       (CF       TO       See Multiple Cooler Form         IR GUN #       I       (CF       TO       See Multiple Cooler Form         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantry       C Corrected Cooler         -Were the seals on the outside of the cooler(s) signed &amp; dated?       Yes       No         -Were tamper/custody seals intact and uncompromised?       Yes       No         -Were tamper/custody seals intact and uncompromised?       Yes       No         Did custody papers accompany the sample(s)?       Yes       No         Ware the person(s) who collected the samples clearly identified on the COC?       Yes       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes       No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes       No         Could all bottle labels (in the test(s) indicated?       Yes       No         Yes       No       Yes       No         Yes       No       Yes       No         Softicient quantity received to perform indicated analyses?       Yes       No         Yes       No       Yes       <td< td=""><td>Were VOAs on the COC? Were air bubbles &gt;6 mm in any VOA vials? Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (1) Concreted View No Was a LL Hg or Me Hg trip blank present? Intacted PM Date by via Verbal Voice Mail O ncerning</td><td>Were VOAs on the COC? Were air bubbles &gt;6 mm in any VOA vials? Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>free 2000</u> Yes No Was a LL Hg or Me Hg trip blank present? Intacted PM Date by via Verbal Voice Mail O ncerning</td><td>ger than thus TF Lot # Ar 2 CT via Verbal Voice Mail O additional next page Samples p</td><td></td><td></td></td<></td></td<>	Packing material used:       Gubble Wrap.       Foam       Plastic Bag       None       Other         COOLANT.       Wet Eamper/Custody seals on the outside of the cooler(s)?       If Yes Quantity       Vester tamper/Custody seals on the outside of the cooler(s)?       If Yes Quantity       Vester tamper/Custody seals on the outside of the cooler(s)?       If Yes Quantity       Vester tamper/Custody seals on the outside of the cooler(s)?       If Yes Quantity       Vester tamper/Custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No         Were tamper/custody seals intact and uncompromised?       Yes No       No       No         Were tamper/custody seals intact and uncompromised?       Yes No       Ves No       No         Were the custody papers accompany the sample(s)?       Yes No       Ves No       No         Did custody papers relinquished & signed in the appropriate place?       Yes No       No         Ware the person(s) who collected the samples clearly identified on the COC?       Yes No       No         Ould all bottle labels (D/Date/Time) be reconciled with the COC?       Yes No       No       No         For each sample, does the COC specify preservatives (NN), # of containers (NN), and sample type of gra       No       No         Were torrect bottle(s) used for the test(s) indicated analyses?       Yes No       No       No         Sufficient quantity received to perform indicated	COULANT:       Wert LCP       Elue LCe       Dry LCe       Water       None         IR GUN #       I       (CF       TO       See Multiple Cooler Form         IR GUN #       I       (CF       TO       See Multiple Cooler Form         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantry       C Corrected Cooler         -Were the seals on the outside of the cooler(s) signed & dated?       Yes       No         -Were tamper/custody seals intact and uncompromised?       Yes       No         -Were tamper/custody seals intact and uncompromised?       Yes       No         Did custody papers accompany the sample(s)?       Yes       No         Ware the person(s) who collected the samples clearly identified on the COC?       Yes       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes       No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes       No         Could all bottle labels (in the test(s) indicated?       Yes       No         Yes       No       Yes       No         Yes       No       Yes       No         Softicient quantity received to perform indicated analyses?       Yes       No         Yes       No       Yes <td< td=""><td>Were VOAs on the COC? Were air bubbles &gt;6 mm in any VOA vials? Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (1) Concreted View No Was a LL Hg or Me Hg trip blank present? Intacted PM Date by via Verbal Voice Mail O ncerning</td><td>Were VOAs on the COC? Were air bubbles &gt;6 mm in any VOA vials? Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>free 2000</u> Yes No Was a LL Hg or Me Hg trip blank present? Intacted PM Date by via Verbal Voice Mail O ncerning</td><td>ger than thus TF Lot # Ar 2 CT via Verbal Voice Mail O additional next page Samples p</td><td></td><td></td></td<>	Were VOAs on the COC? Were air bubbles >6 mm in any VOA vials? Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (1) Concreted View No Was a LL Hg or Me Hg trip blank present? Intacted PM Date by via Verbal Voice Mail O ncerning	Were VOAs on the COC? Were air bubbles >6 mm in any VOA vials? Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>free 2000</u> Yes No Was a LL Hg or Me Hg trip blank present? Intacted PM Date by via Verbal Voice Mail O ncerning	ger than thus TF Lot # Ar 2 CT via Verbal Voice Mail O additional next page Samples p		
Crist       Crist       FAS       (waypoint)       Client Lrop OIT       Storage Location         except After-hours       Storage Location       Storage Location       Storage Location         Packing material used:       Guibble Wrap       Foam       Foam       Plastic Bag       None       Other         COOLANT       Wert Eamper/outstody seals on the outside of the cooler(s)?       If Yes Quantity       Corrected Cooler       Corrected Cooler         Were tamper/outstody seals on the outside of the cooler(s)?       If Yes Quantity       Xes       Xes       No         -Were tamper/outstody seals on the outside of the cooler(s)?       If Yes Quantity       Xes       Xes       No         -Were tamper/outstody seals on the bottle(s) or bottle kits (LLHg/McHg)?       Yes       No       No         -Were tamper/outstody seals intact and uncompromised?       Yes       No       No         Shippers' packing slip attached to the cooler(s)?       Yes       No       No       No         Outstory papers accompany the sample(s)?       Yes       No       No       No       No         Outstory papers accompany the samples clearly identified on the COC?       Yes       No       No       No         Vere the outstole labels (ID/Date/Time) be reconciled with the COC?       Yes       No       No </td <td>urofins Cooler #       Kome       Foam       Box       Chent Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT:       Wert       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       Interperature       Dry Ice       Water       None       Other         IR GUN #       Interperature       Interperature</td> <td>Packing material used:       Qubble Wrap       Foam       Plastic Bag       None       Other         COOLANT:       Wet Ice       Dry Ice       Water       None       Other       Image: Cooler temperature upon receipt       Image: Cooler temperature upon recei</td> <td>COULANT:       Wert Liep       Bille Lie       Dry Lee       Water       None         IR GUN #       I       (CF       TD       I       C)       Observed Cooler Temp.       °C       Corrected Cooler Form         IR GUN #       I       (CF       TD       I       °C)       Observed Cooler Temp.       °C       Corrected Cooler Form         IR GUN #       I       (CF       TD       I       °C)       Observed Cooler Temp.       °C       Corrected Cooler Form         IR GUN #       I       (CF       TD       I       °C)       Observed Cooler Temp.       °C       Corrected Cooler Form         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes       No       NA         -Were tamper/custody seals intact and uncompromised?       Yes       No       NA         -Were tamper/custody seals intact and uncompromised?       Yes       No         Did custody papers accompany the sample(s)?       Yes       No       No         Ware the person(s) who collected the samples clearly identified on the COC?       Yes       No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes       No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes</td> <td>Were air bubbles &gt;6 mm in any VOA vials? Larger than thus.) Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (1)? Was a LL Hg or Me Hg trip blank present?</td> <td>Were air bubbles &gt;6 mm in any VOA vials? Larger than thus.) Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (1933) Was a LL Hg or Me Hg trip blank present? by</td> <td>Lot # (2) C Yes Lot # (2) C Yes Via Verbal Voi D additional next page</td> <td>Were VOAs on the COC?</td> <td>Yes No NA</td>	urofins Cooler #       Kome       Foam       Box       Chent Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT:       Wert       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       Interperature       Dry Ice       Water       None       Other         IR GUN #       Interperature	Packing material used:       Qubble Wrap       Foam       Plastic Bag       None       Other         COOLANT:       Wet Ice       Dry Ice       Water       None       Other       Image: Cooler temperature upon receipt       Image: Cooler temperature upon recei	COULANT:       Wert Liep       Bille Lie       Dry Lee       Water       None         IR GUN #       I       (CF       TD       I       C)       Observed Cooler Temp.       °C       Corrected Cooler Form         IR GUN #       I       (CF       TD       I       °C)       Observed Cooler Temp.       °C       Corrected Cooler Form         IR GUN #       I       (CF       TD       I       °C)       Observed Cooler Temp.       °C       Corrected Cooler Form         IR GUN #       I       (CF       TD       I       °C)       Observed Cooler Temp.       °C       Corrected Cooler Form         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes       No       NA         -Were tamper/custody seals intact and uncompromised?       Yes       No       NA         -Were tamper/custody seals intact and uncompromised?       Yes       No         Did custody papers accompany the sample(s)?       Yes       No       No         Ware the person(s) who collected the samples clearly identified on the COC?       Yes       No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes       No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes	Were air bubbles >6 mm in any VOA vials? Larger than thus.) Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (1)? Was a LL Hg or Me Hg trip blank present?	Were air bubbles >6 mm in any VOA vials? Larger than thus.) Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (1933) Was a LL Hg or Me Hg trip blank present? by	Lot # (2) C Yes Lot # (2) C Yes Via Verbal Voi D additional next page	Were VOAs on the COC?	Yes No NA
cerespit After-hours       Drop-Off Date/Time       Storage Location         receipt After-hours       Drop-Off Date/Time       Storage Location         Packing material used:       Gubble Wrap       Foam Box       Client Cooler       Box       Other         COOLANT:       Wert Eamper/Custody seals on the outside of the cooler(s)?       If Yes Quantry       Ste Multiple Cooler Form         IR GUN #       Image Interview       Image Interview       Sterage Interview       Sterage Interview         -Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantry       Kas No       Sterage Interview       Sterage Interview         -Were tamper/custody seals in the bottle(s) or bottle kits (LLHg/MeHg)?       Yes       No       No         -Were tamper/custody seals intached to the cooler(s)?       Yes       No       No         -Were tamper/custody seals intach and uncompromised?       Yes       No       No         Shippers' packing slip attached to the cooler(s)?       Yes       No       No         Out all bottles army in good condition (Unbroken)?       Yes       No       No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes       No         No       No       No       No       No         Could all bottles armyle, does the COC specify preserva	urofins Cooler #       Koam Box       Chent Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT:       Wert       Blue Ice       Dry Ice       Water       None       Other         Cooler temperature upon receipt       Interperature       Dry Ice       Water       None       Other         IR GUN #       Interperature       Intere       Interperature       <	Packing material used:       Quibble Wrap       Form       Plastic Bag       None       Other         COOLANT       Werl Co       Blue Ice       Dry Ice       Water       None       Other         IR GUN #       (CF       TO (1 °C)       Observed Cooler Temp.       °C Corrected Coc         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Kas       No         Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes       No         Were tamper/custody seals intact and uncompromised?       Yes       No         Shippers' packing slip attached to the cooler(s)?       Yes       No         Out custody papers accompany the sample(s)?       Yes       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes       No         Ould all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes       No         Yes       No       Yes       No       Yes       No         Sufficient quantity received to perform indicated?       Yes       No       Yes       No	COULTANT:       Wert ICP       Bute ICP       Dry IcP       Water None         IR GUN #       (CF       TO       C       Observed Cooler Temp.       °C Corrected Coc         Were tamper/oustody seals on the outside of the cooler(s)?       If Yes Quantity       Yes No       No         -Were tamper/oustody seals on the outside of the cooler(s)?       If Yes Quantity       Yes No       No         -Were tamper/oustody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No       No       No         -Were tamper/oustody seals in the appropriate place?       Yes No       No       No         -Were tamper/oustody seals in the sample(s)?       Yes No       No       No         Did custody papers reinquished & samples clearly identified on the COC?       Yes No       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes No       No         Could all bottle labels (ID/Date/Time) be reconcild with the COC?       Yes No       No         Vere these work share samples and all listed on the COC?       Yes No       No         Sufficient quantity received to perform indicated?       Yes No       No         Are these work share samples and all listed on the COC?       Yes No       Yes No         Are these work share sample(s) at the correct pH upon receipt?       Yes No       No	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # (17)	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # <u>Coverez</u> Was a LL Hg or Me Hg trip blank present? by	Lot # <u>to Person</u> Yes ( Via Verbal Voi additional next page	Were air bubbles >6 mm in any VOA vials?	Yes No (A)
marks: 1'       Ord       FAS       (waypoint)       Client Loop Off       Storage Location         arofins Cooler #	urofins Cooler #       Cooler       Foam Box       Chent Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wet       Dry Ice       Water       None       Other         COOLANT       Were Imperature upon receipt       See Multiple Cooler Form       See Multiple Cooler Form         IR GUN #       I       (CF       TD (1 °C)       Observed Cooler Temp.       °C Corrected Cooler Form         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantry       Kas No       °C Corrected Cooler         -Were the seals on the outside of the cooler(s) or bottle kits (LLHg/MeHg)?       Yes (A)       No         -Were tamper/custody seals intact and uncompromised?       Yes (A)       No         Shippers' packing slip attached to the cooler(s)?       Yes (A)       No         Did custody papers accompany the sample(s)?       Yes (A)       No       No         Ware the person(s) who collected the samples clearly identified on the COC?       Yes (A)       No         Could all bottle labels (ID/Date/Time) be received with the COC?       Yes (A)       No         Could all bottle labels (ID/Date/Time) be receiver with analyses?       Yes (A)       No         Yes work share samples and all l	Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT:       Wert       Dry Lee       Water       None       Other         IR GUN #       I       (CF       TO       (Yet)       Observed Cooler Temp.       °C       Corrected Coc         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Kes No       No       No       No         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Kes No	COULTANT:       Were LCP       blue LCP       Dry Loc       Water       None         IR GUN #       1       (CF       D ( $1^{\circ}$ C)       Observed Cooler Temp.       °C Corrected Coc         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       (Can No       °C Corrected Coc         Were tamper/custody seals on the outside of the cooler(s)?       if Yes Quantity       (Can No       °C Corrected Coc         Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No       No       No         -Were tamper/custody seals in the tamper/custody seals in the cooler(s)?       Yes No       No       No         -Were tamper/custody seals in the cooler(s)?       Yes No       No       No       No         -Were tamper/custody seals in the cooler(s)?       Yes No       No       No       No         Did custody papers relinquished & signed in the appropriate place?       Yes No       No       No         Was/were the person(s) who collected the samples clearly identified on the COC?       Yes No       No       No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes No       No       No       No         Sufficient quantity received to perform indicated?       Yes No       Yes No       No       No       No	MDateby	MDateby	via Verbal Voj	Was a VOA trip blank present in the cooler(s)? Trip Was a LL He or Me He trip blank present?	ger than thus TF Yes No (A)
metry: 1;       Curc ErAS (wayyour)       Client Drop OF       Storage Location         urofins Cooler #       Cooler Totage I Location       Storage Location         Packing material used:       Gubble Wrap       Foam Plastic Bag       None       Other         Cooler temperature upon receipt       Dry Lee       Water       None       Other         IR GUN #       (CF       Dt       1       °C)       Observed Cooler Temp.       °C Corrected Coc         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantry       Cos No       No       No         -Were tamper/custody seals on the outside of the cooler(s)?       Were Corrected Coc       No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       No         Subjpers' packing slip attached to the cooler(s)?       Yes No       No         Could all bottle abost (DDate/Time) be recordied with the COC?       Yes No       No         Cut all bottle abost (DDate/Time) be recordied with the COC?       Cos No       No         No       No       No       No       No         Cut all bottle abost (DDate/Time) be recordied with the COC?       No       No       No         Cut all bottle abost (DDate/Time) be recordied with the COC?       No       No       No       N	urofins Cooler #       Foam Box       Chent Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT:       Wet Eamper/custody seals on the outside of the cooler(s)?       If y c       Water       None       Other         IR GUN #       Image: Image	Packing material used:       Blue Loc       Dry Loc       Water       None       Other         COOLANT:       Werlas       Blue Loc       Dry Loc       Water       None       Other         Cooler temperature upon receipt       IR GUN # 1 (rec)       (CF 1D (rec) (rec)       Observed Cooler Temp.       °C Corrected Coc         Were tamper/outsoly seals on the outside of the cooler(s) signed & dated?       No       °C       Over temper/outsoly seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes       No         -Were tamper/outsody seals mater and uncompromised?       Yes       No       No       No         -Were tamper/outsody seals mater and uncompromised?       Yes       No       No       No         -Were tamper/outsody seals intact and uncompromised?       Yes       No       No       No         Did custody papers accompany the sample(s)?       Yes       No       No       No         Could all bottle abels (ID/Date/Time) be reconciled with the COC?       Tes       No       No       No         Vere all preserved to perform indicated analyses?       No       No       No       No       No         Sufficient quantity received to perform indicated analyses?       No       No       No       No       No         Vere vOAs on the COC?       Yes	COULANT (Weilge blue loe Livy loe water water water water any spee Cooler temperature upon receipt ( $\Gamma + 10 + 1 - c$ ) Observed Cooler Temp. Corrected Cooler Temp. ( $\Gamma + 10 + 1 - c$ ) Observed Cooler Temp. Corrected Cooler Temp. ( $\Gamma + 10 + 1 - c$ ) Observed Cooler Temp. Corrected Cooler Temp. ( $\Gamma + 10 + 1 - c$ ) Observed Cooler Temp. Corrected Cooler Temp. ( $\Gamma + 10 + 1 - c$ ) Observed Cooler Temp. ( $\Gamma + 10 + 1 - c$ ) Observed Cooler Temp. ( $\Gamma + 10 + 1 - c$ ) Observed Cooler Temp. ( $\Gamma + 10 + 1 - c$ ) Observed Cooler Temp. ( $\Gamma + 10 + 1 - c$ ) Observed Cooler Temp. ( $\Gamma + 10 + 1 - c$ ) Observed Cooler Temp. ( $\Gamma + 10 + 1 - c$ ) Observed Cooler Temp. ( $\Gamma + 10 + 1 - c$ ) Observed Cooler Temp. ( $\Gamma + 10 + 1 - c$ ) Observed Cooler Temp. ( $\Gamma + 10 + 1 - c$ ) No ( $\Gamma + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 1$	M Date by	MDateby	via Verbal Voi I additional next page		yes No (A) ger than thus, TF Yes (No NA Lot # (1) - 2 - 1 - (1) Yes (No
Curch Exp       Urs       FAS       Waybour       Client Drop off       Borrage Location         unding Cooler       Her       Normage Location       Storage Location       Storage Location         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT       Wert is more capt       Inter Dry Loc       Water       None       Other         IR GUN #       Image Location       Image Location       State Multiple Coler Form       State Multiple Coler Form         IR GUN #       Image Location       Image Location       Image Location       State Multiple Coler Form         IR GUN #       Image Location       Image Location       Image Location       Image Location       State Multiple Coler Form         IR GUN #       Image Location       Image Location       Image Location       Image Location       Image Location         Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes       No         Were tamper/custody seals on the cooler(s)?       Yes       No       No         Were tamper/custody seals on the cooler(s)?       Yes       No       No         Shippers' packing slip attached to the cooler(s)?       Yes       No       No         Could all bottle sample	urofins Cooler #       Foam Box       Client Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         COOLANT:       Wet Ice       Dry Ice       Water       None       Other       Other         Cooler temperature upon receipt       IR GUN #       Image: Cooler temperature upon receipt       See Multiple Cooler Fom         IR GUN #       Image: Cooler temperature upon receipt       If Yes Quantity       Yes No         -Were tamper/custody seals on the outside of the cooler(s)?       If Yes Quantity       Yes No         -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/McHg)?       Yes No       No         -Were tamper/custody seals intact and uncompromised?       Yes No       Yes No         Shippers' packing slip attached to the cooler(s)?       Yes No       Yes No         Did custody papers accompany the samples clearly identified on the COC?       Yes No       Yes No         Cuid all bottle aboit (DDate/Time) be reconciled with the COC?       Yes No       Yes No         Marce these work share samples and all listed on the COC?       Yes No       Yes No         Sufficient quantity received to perform indicated?       Yes No       Yes No         Yes Questions 13-17 have been checked at the originating laboratory       Yes	Packing material used:       Gubble Wrap       Foam       Platte Bag       None       Other         COOLANT:       Were tamper/custody seals on the outside of the cooler(s)?       Dry Lee       Water       None       Other         IR GUN #       Image:	COULANT       Werlige       blue lice       Dry lice       water       None         Cooler temperature upon receipt       If the cooler (b)?       See Multiple Cooler Form       See Multiple Cooler Form         R GUN #       If the outside of the cooler(s)?       If Yes Quantity       Yes No         -Were tamper/outstody seals on the outside of the cooler(s)?       If Yes Quantity       Yes No         -Were the seals on the outside of the cooler(s)?       Yes Quantity       Yes No         -Were the seals on the outside of the cooler(s)?       Yes Quantity       Yes No         -Were the seals on the outside of the cooler(s)?       Yes No       No         -Were the seals on the outside of the cooler(s)?       Yes No       No         -Were the seals on the outside of the cooler(s)?       Yes No       No         -Were tamper/outsody seals intact and uncompromised?       Yes No       No         Did custody papers accompany the sample(s)?       Yes No       No         Was at bottle labels (DDDate/Time) be reconciled with the COC?       Yes No       No         Could all bottle labels (DDDate/Time) be reconciled with the COC?       Yes No       No         No       No       No       No       No         Sufficient quantry received to perform indicated?       No       No       No			Cl additional next page	MDate	yes No WA gerthan thus, I F Yes No Lot # (1-3-2-7+ Yes No No Yes No
Bester Vor       Form Box       Cleant Cooler       Storage Location         running Cooler       Form Box       Cleant Cooler       Box       Other         Packug material used.       Gubble Wrap.       Form Plastic Bag       None       Other         R GUN #       (F       Dr.)       Ler Dry Loc       War       None       Other         Were tamper/ouslody scals on the outside of the cooler(3)?       If Yes Quantity       Yes Multiple Cooler Form       Corrected Cooler         Were tamper/ouslody scals on the outside of the cooler(3)?       If Yes Quantity       Yes No       Yes No         -Were tamper/ouslody scals on the outside of the cooler(3)?       Yes Qo       No       Yes No         -Were tamper/ouslody scals and the cooler(3)?       Yes Qo       No       Yes Qo         Did custody papers accompany the sample(3)?       Yes Qo       No       Yes Qo         Were tamper/ouslody scals in the cooler(4)?       Yes Qo       No       Yes Qo         Did custody papers accompany the samples clearly identified on the COC?       Yes No       Yes Qo       No         Could all bottle labels (ID/Date/Time) be reconciled with the COC?       Yes No       Yes No       No       No         If yes, Questions 13-17 have been checked at the organating laboratory       Yes No       No       No	arofins Cooler #       C.       Foam Box       Cleart Cooler       Box       Other         Packug material used.       Gubbe Wrag.       Foam       Plastic Bag       None       Other         COOLANT       Were       Blue Ice       Dry Ice       Warr       None       Other         IR GUN #       (CF       D ( \science)       Cooler twoperature upon receipt       Cooler twoperature upon receipt       State       "C Corrected Cooler         Were tamper/outstody seals on the outside of the cooler(s)?       If Yes Quantry       Yes No       "C Corrected Cooler         Were tamper/outstody seals on the lottle(s) or bottle kits (LLHg/MeHg)?       Yes No       "S No         Were tamper/outstody seals and an uncompromused?       Yes No       "S No         Ware tamper/outstody seals index and uncompromised?       Yes No       "S No         Shippers' packing slip attached to the cooler(s)?       Yes No       "S No         Did all bottle samve in good condition (Unbroken)?       Cool       "S No       "S No         Could all bottle labels (DDAter Time) be reconciled with the COC?       "S No       No       No         Sufficient and sample do the COC?       "S No       No       No       No         Could all bottle labels (DDAter Time) be reconciled with the COC?       "S No       No	Packing material used:       Guide Wrigo       Foam       Plastic Bag       None       Other         COOLANT:       Weter State       None       Other       None       Other         IR GUN #       Imperiative upon receipt       See Multiple Cooler Form       See Multiple Cooler Form       See Multiple Cooler Form         Were tamper/custody seals on the outside of the cooler(s) signed & dated?       See Multiple Cooler Form       See Multiple Cooler Form         Were tamper/custody seals on the outside of the cooler(s) signed & dated?       Yes       No       No         Were tamper/custody seals and the bottle(s) or bottle kits (LLHg/McHg)?       Yes       No       No         Were tamper/custody seals instact and uncompromised?       Yes       No       No         Shippers' packing slip attached to the cooler(s)?       Yes       No       No         Outside papers accompany the sample(s)?       Yes       No       No         Did all bottles arrive in good condition (Unbroken)?       Yes       No       No         Could all bottles arrive in good condition (Unbroken)?       No       No       No       No       No         Subjective these work share samples and all listed on the COC?       Yes       No       No       No       No       No         No       No       No<	A. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES       by use to water the set of the cooler o	🖬 additional next page			18. CHAIN OF CUSTODY & SAMPLE DISCREPANCI	ger than this. Lot # <u>Ar 3 C 7 +</u> Via Verbal Voice Mail O additional next page Samples pr
Bits       Line       France       Client Cooler       Bits       Count       Diversion       Counter       Other         Packing material used.       Gubble Wrap.       Feam Plastic Bag       None       Other       None       Other         COOLANT.       Weit Bag       None       Other       None       Other         Coole temperature upon receipt       Dry Lee       Water       None       Other         IR GUN #       Image Location       Sea Mulpile Couler Form       None       Other         Were tamper/outsidy seals on the outside of the cooler(8) fif Yes Quantry       Concreted Cooler       Yes No         -Were tamper/outsidy seals on the outside of the cooler(8)?       Yes No       Yes No         -Were tamper/outsidy seals on the cooler(8)?       Yes No       Yes No         Were the custody papers accompany the sample(8)?       Yes No       Yes No         Out custody papers accompany the sample(8)?       Yes No       No         Could all bottle abels (DD/Date/Time) be reconciled with the COC?       No       No         No       No       No       No       No         If yes, Questions 13-17 have been checked at the orgenating laboratory       Yes No       No       No         No       No       No       No	aroning Cooler #       from Box       Cleant Cooler       Box       Other         Packing material used.       Gubbe Wrap       Form       Plastic Bag       None       Other         IR GUN #       Image: Status       Blue ice       Dry ice       Water       None       Other         IR GUN #       Image: Status       Blue ice       Dry ice       Water       None       Other         Were tamper/outstody seals on the outside of the cooler(s)?       If Yes Quantity       Vace       Yes       No         Were tamper/outstody seals on the outside of the cooler(s)?       If Yes Quantity       Yes       Yes       No         Were tamper/outstody seals intact and uncompromised?       Yes       No       No       No         Were tamperioutsdy seals intact and uncompromised?       Yes       No       No       No         Shippers packing slip stached to the cooler(s)?       Yes       No       No       No       No         Out all botties army in good condition (Unbroken)?       Yes       No       No<	Packing material used: <u>Gubble Wrap</u> Form       Plastic Bag       None       Other         IR GUN #	IR GUN # (Yet Light) Dife Lie Differentiation in the consistentiation of the cooler(s)?       Water tamper/outshody seals on the outside of the cooler(s)? If Yets Quantity Vetere tamper/outshody seals on the outside of the cooler(s)? If Yets Quantity Vetere tamper/outshody seals on the bottle(s) or bottle kits (LLH#MeHg)?       Yet Corrected Cooler Son MA        Were tamper/outshody seals on the bottle(s) or bottle kits (LLH#MeHg)?       Yets No       No        Were tamper/outshody seals on the bottle(s) or bottle kits (LLH#MeHg)?       Yets No       No        Were tamper/outshody seals instact and uncompromised?       Yets No       No        Were tamper/outshody seals instact and uncompromised?       Yets No       No        Were the seals on the cooler(s)?       Yets No       No       No        Were the person(s) who collected the samples clearly identified on the COC?       Yets No       No         Did all bottles arrive in good condition (Unbroken)?       Could all bottle and uncompromised?       No       No         Yet dual bottle abels (IDDatef Time) be reconciled with the COC?       No       No       No       No         If was a VOA to bottle(s) used for the test(s) indicated?       No       No       No       No       No         Yet dual bottles armyle search the COC?       Yet No       No       No       No       No       No         N	additional next page			18. CHAIN OF CUSTODY & SAMPLE DISCREPANCI	ger than thus TF Lot # <u>Grade</u> Yes No Via Verbal Voice Mail O I additional next page Samples p
acady If fer-hours Drop of Table Time       Normage Location       Storage Location         arofins Cooler #       Foam Box       Chent Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam Plastic Bag       None       Other         Packing material used:       Gubble Wrap       Foam Plastic Bag       None       Other         Cooler temperature upon receipt       Dry Lee       Water       Water       None       Other         Were tamper/oustody seals on the outside of the cooler(s)?       If Yes Quantity       Concord the cooler(s)?       Yes No         Were tamper/oustody seals intact and uncompromised?       Yes Quantity	arofins Cooler #       Foam Box       Cluent Cooler       Box       Other         Packing material used:       Blue lee       Dry lee       Water       Water       Dry lee	Parking material used:       Qubble Wrap       Form       Plastic Bag       None       Other         COOLANT       Were tamper/outsody seals on the outside of the cooler(s)?       If Yes Quantity       See Multiple Cooler Form         IR GUN #       Image: Contracted Cooler       See Multiple Cooler Form       %C Corrected Cooler         Were tamper/outsody seals on the outside of the cooler(s)?       If Yes Quantity       %C Corrected Cooler         Were tamper/outsody seals in the ducompromised?       Yes Quantity       %C Corrected Cooler         Were tamper/outsody seals in the ducompromised?       Yes Quantity       %C Ave         Were tamper/outsody seals in the ducompromised?       Yes Quantity       Yes Quantity       %C Ave         Shipper spacing ship stacked to the cooler(s)?       Yes Quantity       Yes Quantity       Yes Quantity       %G No         Out all bottle abels (IDD/bate/Time) be reconciled with the COC?       Kes No       %G No       %G No         Sufficient quantity received aspects       Mere any plets and all listed on the COC?       %G No       %G No         Are these work share samples and all listed on the COC?       %G No       %G No       %G No         Sufficient quantity received asplet(s)?       Tip Blank Lot # (1+1+1)       %G No       %G No       %G No         Were all preserved asplet(s)       Mere No <td>COULANT:       Werlige       Entre Lor       Dy toe       Ware the Seals on the outside of the cooler(s)? If Yes Quantity       Concreted Cooler Temp.       °C Corrected Cooler States No.         Were tamper/ousslody seals on the outside of the cooler(s)?       Types No.       `Sipper Spacing shp attached to the cooler(s)?       Yes No.         Did all bottle sample, does the COC specify preservatives (0/N), # of containers (0/N), and sample type of Si No.       `Simpers 13:17 have been checked at the organiting laboratory.       `Simpers No.       `Simpers No.</td> <td>CHAIN OF CUSTODY &amp; SAMPLE DISCREPANCIES I additional next page</td> <td>SAMPLE</td> <td>SAMPLE</td> <td>18. CHAIN OF CUSTODY &amp; SAMPLE DISCREPANCI</td> <td>ger than this TF Lot # <u>Ar 3 C 7</u> Via Verbal Voice Mail O additional next page Samples p</td>	COULANT:       Werlige       Entre Lor       Dy toe       Ware the Seals on the outside of the cooler(s)? If Yes Quantity       Concreted Cooler Temp.       °C Corrected Cooler States No.         Were tamper/ousslody seals on the outside of the cooler(s)?       Types No.       `Sipper Spacing shp attached to the cooler(s)?       Yes No.         Did all bottle sample, does the COC specify preservatives (0/N), # of containers (0/N), and sample type of Si No.       `Simpers 13:17 have been checked at the organiting laboratory.       `Simpers No.	CHAIN OF CUSTODY & SAMPLE DISCREPANCIES I additional next page	SAMPLE	SAMPLE	18. CHAIN OF CUSTODY & SAMPLE DISCREPANCI	ger than this TF Lot # <u>Ar 3 C 7</u> Via Verbal Voice Mail O additional next page Samples p
Burger Leader       Drog of Late Time       Storage Leader         arofins Cooler #       K_C       Foam Box       Chert Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam Plastic Bag       None       Other         Packing material used:       Gubble Wrap       Foam Plastic Bag       None       Other         Coolar temperture upon receipt       Dry Ice       Water       Water       None       Other         Were tamper/outstody seals on the outside of the cooler(6)?       If Yes Quantry       Qrain       Qrain       Qrain       Qrain       None         Were tamper/outstody seals intact and uncompromised?       None       Qrain       None       Qrain       None       Qrain       None         Were tamper/outstody seals intact and uncompromised?       Yes No       Qrain       No       Qrain       No         Were the custody papers acompany the samples clearly identified on the COC?       Were No       Yes No       Qrain       No       Qrain       Qrain       No       Qrain       No       Qrain       No       Qrain       Qrain       No       Qrain       Qrain       No       Qrain       Qrain       Qrain       Qrain       Qrain       Qrain       Qrain       No       Qrain	avoins Cooler #       Foam Box       Cleent Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam Plastic Bag       None       Other         COOLANT:       Weter       Blue lee       Dry Lee       Water       None         Cooler temperature upon receipt       Dry Lee       Water       None       Other         Were tamper/oustody seals on the outside of the cooler(s)?       L'Yes Quantry       Concerted Cooler Non         Were tamper/oustody seals on the outside of the cooler(s)?       L'Yes Quantry       Kas No         Were tamper/oustody seals on the outside of the cooler(s)?       Yes Quantry       Kas No         Were tamper/oustody seals unstat and uncompromused?       Yes No         Were the suboid papers relunquished & signed in the appropriate place?       Yes No         Could all bottle abeid (ID/Date/Time) be reconciled with the COC?       No         Yes Questions 13-17 have been checked at the organisting laboratory       Yes No         Were all preserved sample(s) at the correct pH upon receipt?       Yes No         Were all preserved sample(s) at the correct pH upon receipt?       Yes No         Were all preserved sample(s) at the correct pH upon receipt?       Yes No         Were all preserved be preform indicated?       No         No       No       No	Packing material used:       Gubble Wrap       Form       Plastic Bag       None       Other         COOLANT:       Were Bage None       Disc Muliple Cooler Form       Disc Muliple Cooler Form       Disc Muliple Cooler Form         IR GUN #       Imperformatory on receipt       Disc Muliple Cooler form       Disc Muliple Cooler Form       Disc Muliple Cooler Form         IR GUN #       Imperformatory seals on the outside of the cooler(s)?       If Yes Quantity       Corrected Cooler         Were tamperformatory seals on the outside of the cooler(s)?       If Yes Quantity       Kase No         Were tamperformatory seals on the bottle(s) or bottle kits (LLHg/MeHg)?       Yes No         Were tamperformatory papers relunguished & sample (s)?       Yes No       No         Did all bottle abottle (b) who collected the sample clearly identified on the COC?       No       No         Could all bottle abottle(s) used for the tast(s) indicated?       No       No       No         Did all bottle abottle(s) as dor the tast(s) indicated?       No       No       No       No         Samples and all listed on the COC?       No       No       No       No       No       No         If seads ample (s) as dor the tast(s) indicated?       No       No       No       No       No       No       No       No       No	COULANT:       Werling:       Entry loc       Water in the couler in	IN OF CUSTODY & SAMPLE DISCREPANCIES 2 additional next page	PLE CONDITION	PLE CONDITION	IN OF CUSTODY & SAMPLE DISC	ger than thus IF Lot # <u>Ar 3 Z H</u> Via Verbal Voice Mail O I additional next page Samples pi
Coulter #       Curve Trans       Waypoint       Client Linep       Storage Location         arofins Cooler #       Foam Box       Chert       Storage Location       Other       Storage Location         Packing material used.       Gibble Wayp       Foam Placis Bay       None       Other       None       Other         Packing material used.       Gibble Wayp       Foam Placis Bay       None       Other       None       Other         Cooler temperature upon receipt       If the cooler(s)?       If Yes Quantity       See Multiple Cooler Form       See Multiple Cooler Form         Were tamper/outsdoy seals on the outside of the cooler(s)?       If Yes Quantity       Kay No       See No         Were tamper/outsdoy seals on the coller(s)?       Yes (So       No       No         Were tamper/outsdoy seals mater and uncompromused?       Yes (So       No         Was/were the custody papers relumble de samples clearly utentified on the COC?       Kay No       Yes (So       No         Could all bottle anney in good condition (Unbroken?)       Contraction (So       No       No       No         Could all bottle anney preserved analyses?       Yes (So       No       No       No       No         Sufficient quantry received to perform indicated analyses?       Yes (So)       No       No	avoins Cooler #       Foam Box       Cheet Cooler       Box       Other         Packing material used:       Gubble Wrap       Foam       Plastic Bag       None       Other         Cooler temperature upon receipt       Dry Ice       Water       Dry Sex Multiple Cooler Name       Other       Provide         IR GUN #       Imperiorshoty seals on the outside of the cooler(s)?       If Yes Quantity       If yes None       PC       Corrected Cooler Name         Were tamper/outsidely seals on the outside of the cooler(s)?       If Yes Quantity       If yes No       No       No         -Were the seals on the outside of the cooler(s)?       Were the seals on the outside of the cooler(s)?       Yes No       No         -Were the causidy papers relumisted x samples clearly identified on the COC?       Yes No       No       No         Was/were the person(s) who collected the samples clearly identified on the COC?       No       No       No         Did al bottic sample does the COC specify preservatives (D/N), # of containers (D/N), and sample type of No       No       No       No         Por each sample, does the COC specify preservatives (D/N), # of containers (D/N), and sample type of No       No       No       No       No         If yes (No       No       No       No       No       No       No       No	Packing material used:       Billie lee       Dry Lee       Water       Water       Dry Lee       <	COULTANT.       Were Light Nume Lice       Dry toc       Water       Name         IR GUN #       Imperior       Contrested       Contrested       Contrested       Contrested         Were tamper/outsidy seals on the outside of the cooler(s)       If Yes Quantry       Contrested       Contrest       Contrest       No	IN OF CUSTODY & SAMPLE DISCREPANCIES I additional next page PLE CONDITION	PLE CONDITION were received after the recon	PLE CONDITION were received after the recom	IN OF CUSTODY & SAMPLE DISC	after the recommended holding time had
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WI-NC-099-110524 Cooler Receipt Form.doc

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W1-NC-099 Cooler Receipt Form Page 2 – Multiple Coolers

# **DATA VERIFICATION REPORT**



November 20, 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: 214804-1 Sample date: 2024-11-11 Report received by CADENA: 2024-11-20 Initial Data Verification completed by CADENA: 2024-11-20 Number of Samples:2 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.

The following minor QC exceptions or missing information were noted:

GCMS VOC sample -002 SURROGATE recoveries were outliers biased high for at least 1 surrogate. Associated client sample results were non-detect so qualification was not required based on these high bias QC outliers.

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.

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 <u>http://clms.cadenaco.com/index.cfm</u>.

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.
В	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 contaminates) 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.
Е	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 contaminates) 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: 214804-1

		Sample Name: Lab Sample ID: Sample Date:	TRIP BL/ 240214 11/11/2	8041		Valid	MW-164S_111124 2402148042 11/11/2024 <b>Report</b>			Valid
	Analyte	Cas No.	Result	-		Qualifier	Result	-	Units	
GC/MS VOC										
<u>OSW-826</u>	<u>0D</u>									
	1,1-Dichloroethene	75-35-4	ND	1.0	ug/l		ND	1.0	ug/l	
	cis-1,2-Dichloroethene	156-59-2	ND	1.0	ug/l		ND	1.0	ug/l	
	Tetrachloroethene	127-18-4	ND	1.0	ug/l		ND	1.0	ug/l	
	trans-1,2-Dichloroethene	156-60-5	ND	1.0	ug/l		ND	1.0	ug/l	
	Trichloroethene	79-01-6	ND	1.0	ug/l		ND	1.0	ug/l	
	Vinyl chloride	75-01-4	ND	1.0	ug/l		ND	1.0	ug/l	
<u>OSW-826</u>	<u>ODSIM</u>									
	1,4-Dioxane	123-91-1					ND	2.0	ug/l	



# Ford Motor Company – Livonia Transmission Project

# **Data Review**

# Livonia, Michigan

Volatile Organic Compounds (VOC) Analysis

SDG # 240-214804-1 CADENA Verification Report: 2024-11-20

Analyses Performed By: Eurofins Cleveland Barberton, Ohio

Report # 56914R Review Level: Tier III Project: 30206169.0401.02

## **SUMMARY**

This data quality assessment summarizes the review of Sample Delivery Group (SDG) # 240-214804-1 for samples collected in association with the Ford – Livonia, Michigan site. The review was conducted as a Tier III validation in addition to a verification/Tier II validation review performed by CADENA Inc. and included review of level IV laboratory data package completeness. Only elements of a Tier III validation effort (Tier III) include a detailed review of laboratory raw data to check for errors in calculation, calibration review, internal standard review and compound identification) and omitted deviations from the CADENA verification/Tier II report are documented in this report. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample	Parent Sample	Ana	lysis
Sample ID		Maurix	Collection Date		VOC	VOC SIM
TRIP BLANK_34	240-214804-1	Water	11/11/2024		Х	
MW-164S_111124	240-214804-2	Water	11/11/2024		Х	Х

#### ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

	Items Reviewed	Rep	orted	Perfori Accep		Not
		No	Yes	No	Yes	Required
1.	Sample receipt condition		Х		Х	
2.	Requested analyses and sample results		Х		Х	
3.	Master tracking list		Х		Х	
4.	Methods of analysis		Х		Х	
5.	Reporting limits		Х		Х	
6.	Sample collection date		Х		Х	
7.	Laboratory sample received date		Х		Х	
8.	Sample preservation verification (as applicable)		Х		Х	
9.	Sample preparation/extraction/analysis dates		Х		Х	
10.	Fully executed Chain-of-Custody (COC) form		Х		Х	
11.	Narrative summary of Quality Assurance or sample problems provided		х		х	
12.	Data Package Completeness and Compliance		Х		Х	

#### **ORGANIC ANALYSIS INTRODUCTION**

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260D and 8260D SIM. Data were reviewed in accordance with USEPA National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-20-005, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999), as appropriate.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
  - UJ The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

#### VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

#### 1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260D/8260D-SIM	Water	14 days from collection to analysis	Cool to < 6 °C; pH < 2 with HCl

All samples were analyzed within the specified holding time criteria.

#### 2. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable, and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

#### 3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

#### 3.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the initial calibrations were within the specified control limits.

#### 3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the continuing calibrations were within the specified control limits.

#### 4. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

#### 5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

Sample associated with surrogates exhibiting recoveries outside of the control limits presented in the following table.

#### DATA REVIEW

Sample ID	Surrogate	Recovery
	Dibromofluoromethane	> UL

Note:

UL Upper control limit

The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification		
> UL	Non-detect	No Action		
> 0L	Detect	J		
< LL but > 10%	Non-detect	UJ		
< LL but > 10%	Detect	J		
< 10%	Non-detect	R		
< 10%	Non-detect Detect Non-detect Detect Detect	J		
Surrogates diluted below the calibration curve due to the high	Non-detect	$UJ^1$		
concentration of a target compounds	Detect	J <sup>1</sup>		

#### 6. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

A field duplicate sample was not collected for samples from this SDG.

#### 7. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

No compounds were detected in the samples within this SDG.

#### 8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

#### DATA REVIEW

#### DATA VALIDATION CHECKLIST FOR VOCs

VOCs: 8260D/8260D-SIM	Rep	oorted	Perfo Acce	Not	
	No	Yes	No	Yes	Required
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC	C/MS)				
Tier II Validation					
Holding times/Preservation		Х		Х	
Tier III Validation	1	1			1
System performance and column resolution		Х		Х	
Initial calibration %RSDs		Х		Х	
Continuing calibration RRFs		Х		Х	
Continuing calibration %Ds		Х		Х	
Instrument tune and performance check		Х		Х	
Ion abundance criteria for each instrument used		Х		Х	
Surrogate Spike Recoveries		Х	Х		
Field Duplicate RPD	X				Х
Internal standard		Х		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		Х		X	
B. Quantitation Reports		Х		Х	
C. RT of sample compounds within the established RT windows		Х		Х	
D. Transcription/calculation errors present		Х		Х	
E. Reporting limits adjusted to reflect sample dilutions		Х		Х	

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

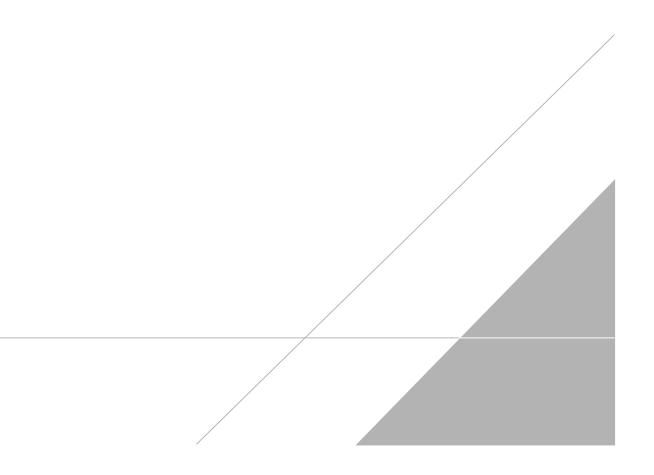
%D Percent difference

VALIDATION PERFORMED BY:	Febin J S
SIGNATURE:	Parts
DATE:	December 13, 2024

PEER REVIEW: Andrew Korycinski

DATE: December 18, 2024

# CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS





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#### **Chain of Custody Record**



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

Client Contact Company Name: Arcadis	Regulatory program: DW Client Project Manager: Kris Hinskey					٢	NPI	DES	í	RCR	A	ΓC	Other								TestAmerica Laboratories, Inc.			
Address: 28550 Cabot Drive, Suite 500						Sit					La	Lab Contact: Mike DelMonico Telephone: 330-497-9396						COC No:						
	Telephone: 248-994-2240				Tel	Tel																		
City/State/Zip: Novi, MI, 48377	Email: kristoff	er.hinskey@ar	cadis.c	com			Ana	ysis T		ound Ti						_	A	naly	ses	_		_	1 of 1 For lab use only	COCs
Phone: 248-994-2240	]				_							11					1	T	Ι					1
Project Name: Ford LTP	Sampler Name	Decem	4	Mai	15				F 3	weeks													Walk-in client	1000
Project Number: 30206169.0401.03	Method of Ship	ment/Carrier:		111	(''	-	10 da	iy	F 1	weeks week		2	e						W				Lab sampling	
PO # US3410018772	Shipping/Track	king No:		_						days day		l( // ]	Crab <sup>a</sup>	8260D	8260D			82600	260D \$				Job/SDG No	
Sample Identification	Sample Date	Sample Time	Air	Aqurous Sediment	Solid Steel	H2S04			NaOH ZaAd	Unpres NaOII	Other:	Filtered Sample (Y / N)	Composite=C/C	cis-1 2-DCE 8	Trans-1,2-DCE	PCE 8260D	TCE 8260D	Vinyl Chloride 8260D	1,4-Dioxane 8260D SIM				Sample Speci Special Inst	
TRIP BLANK_ 34			Ħ	1			Ē	1	-		<u> </u>	N		-	1-		X	X	Ē			+	1 Trip Blanl	<
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			$\left  \right $		$\left  \right $	-	-		+			$\left  \cdot \right $	+-	+	+	+-	+	-	-	$\left  \right $	+	- 2	240-214804 COC	
Possible Hazard Identification							Samp	e Disr	osal (	A fee n	av be :	assesse	d if san	uples a	re reta	ained l	operi	than 1	month		-	- 1	40 21 100 1	
Non-Hazard in Irritant	Poise	on B	Jnkn	nown				Return				Disposal				Archiv		ſ		onths				
Special Instructions/QC Requirements & Comments: Submit all results through Cadena at itomalia@cadenaco.c Level IV Reporting requested.	com. Cadena #	203728	54	r.	<u>fich</u>	Yrr	4	1	-	)														
Relinquished by	Company:	lendis		Date/Tin	111	ZY (	923	10	Receiv	Voru	. (	old	57	018	x		Com	1	Ar	adi	5		Date/Time:	13:30
Relinquished by	Company:	retis		Date/Tin	21-	24	165	2	Receiv		Ц	1	Ţ	5	-		Com		ĖE	M			Date/Time:	
Relinquisited by:	Company	ENA	1	Date/T n Î (	5/0	4		1	Receiv	ed in La	aborato	ory by:	FJ	F			Com	papy:	vo				Date/Time: K[13124	8000

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### Qualifiers

GC/MS VOA	
Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Clossury	
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

#### Client Sample ID: TRIP BLANK\_34

#### Date Collected: 11/11/24 00:00

Date Received: 11/13/24 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/18/24 23:49	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/18/24 23:49	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/18/24 23:49	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/18/24 23:49	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/18/24 23:49	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/18/24 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		62 - 137			-		11/18/24 23:49	1
4-Bromofluorobenzene (Surr)	86		56 - 136					11/18/24 23:49	1
Toluene-d8 (Surr)	99		78 - 122					11/18/24 23:49	1

73 - 120

#### Client Sample ID: MW-164S\_111124

#### Date Collected: 11/11/24 12:20

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Dibromofluoromethane (Surr)

Date Received: 11/13/24 08:00

Method: SW846 8260D SIM - Vola	tile Organic C	ompounds	(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			11/18/24 18:00	1
Surrogate	%Recovery	Qualifier	Limits			_	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		68 - 127					11/18/24 18:00	1

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

116

105

125 <del>- <u>S</u>1+</del>-

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			11/19/24 00:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			11/19/24 00:09	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			11/19/24 00:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			11/19/24 00:09	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			11/19/24 00:09	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			11/19/24 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	135		62 - 137			-		11/19/24 00:09	1
4-Bromofluorobenzene (Surr)	94		56 - 136					11/19/24 00:09	1

78 - 122

73 - 120

#### Lab Sample ID: 240-214804-1 Matrix: Water

11/18/24 23:49

11/19/24 00:09

11/19/24 00:09

Lab Sample ID: 240-214804-2

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1

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Matrix: Water