ANALYTICAL REPORT

Job Number: 200-55605-2

Job Description: Gladding Corporation #709009

Contract Number: C100700

For:
New York State D.E.C.
625 Broadway
4th Floor
Albany, NY 12233

Attention: Mr. Payson Long

Approved for release.
Judy L Stone
Senior Project Manager
11/10/2020 11:37 AM

Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
Judy.Stone@Eurofinset.com
11/10/2020

cc: Jasmine Mullins
Kimberly Stilson

Job Number: 200-55605-2

Job Description: Gladding Corporation #709009

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Approved for release.
Judy L Stone
Senior Project Manager
11/10/2020 11:37 AM

Judy L Stone

Table of Contents

Job Narrative
200-55605-2

Comments
This report includes the data for method 522; the PFAS data were previously reported in job 200-55605-1. The Eurofins Eaton data are included in the Subcontract section.

Receipt
The samples were received on 10/15/2020 10:40 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2º C and 1.4º C.

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

Sample Summary

Client: New York State D.E.C.
Job ID: 200-55605-2
Project/Site: Gladding Corporation #709009

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-55605-1	MW-2	Water	10/13/20 16:10	10/15/20 10:40	
200-55605-2	FIELD BLANK	Water	10/13/20 16:00	10/15/20 10:40	

Method Summary

Client: New York State D.E.C.
Job ID: 200-55605-2
Project/Site: Gladding Corporation #709009

Method	Method Description	Protocol	Laboratory
Subcontract	General Subcontract Method	None	Eurofin SB

Protocol References:

None = None

Laboratory References:

Eurofin SB = Eurofins Eaton Analytical, 110 S Hill Street, South Bend, IN 46617

Subcontract Data

LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call us at (800) 332-4345 or (574) 233-4777.

STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Missouri	880
Alaska	IN00035	Montana	CERT0026
Arizona	AZ0432	Nebraska	NE-OS-05-04
Arkansas	IN00035	Nevada	IN00035
California	2920	New Hampshire*	2124
Colorado	IN00035	New Jersey*	IN598
Colorado Radiochemistry	IN00035	New Mexico	IN00035
Connecticut	PH-0132	New York*	11398
Delaware	IN035	North Carolina	18700
Florida(Primary AB)*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon*	4156
Illinois*	200001	Pennsylvania*	68-00466
Illinois Microbiology	17767	Puerto Rico	IN00035
Illinois Radiochemistry	IN00035	Rhode Island	LAO00343
Indiana Chemistry	C-71-01	South Carolina	95005
Indiana Microbiology	M-76-07	South Dakota	IN00035
Iowa	098	Tennessee	TN02973
Kansas*	E-10233	Texas*	T104704187
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA014	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
EPA	IN00035		

*NELAP/TNI Recognized Accreditation Bodies

Revision date: 09/29/2020

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NELAC NARRATIVE PAGE

Client: TestAmerica Report #: 501385NP

Eurofins Eaton Analytical, LLC is a NELAP accredited laboratory. All reported results meet the requirements of the NELAC standards, unless otherwise noted.

EEA contact person: Jaclyn Gatchell

NELAP requires complete reporting of deviations from method requirements, regardless of the suspected impact on the data. Quality control failures not reported within the report summary are noted here.

There were no quality control failures.

Note: This report may not be reproduced, except in full, without written approval from EEA. EEA is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

Jaclyn Gatchell ASM 10/29/2020

Authorized Signature Title Date

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110 South Hill Street
South Bend, IN 46617
Tel: (574) 233-4777
Fax: (574) 233-8207
1 800 332 4345

Laboratory Report

Client: TestAmerica

Attn: Judy Stone
10 Hazelwood Drive
Amherst, NY 14228

Report: 501385
Priority: Standard Written
Status: Final
PWS ID: Not Supplied
Lab ELAP #: 11398

Sample Information

EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
4753020	MW-2	522	10/13/20 16:10	Client	10/17/20 09:30
4753021	Field Blank	522	10/13/20 16:00	Client	10/17/20 09:30

Report Summary

Note: See attached page for additional comments.

Project: Gladding Corporation #709009

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Jaclyn Gatchell at (574) 233-4777.

Jaclyn Gatchell ASM

Authorized Signature | Title | 10/29/2020 Date

Client Name: TestAmerica
Report #: 501385

Client Name: TestAmerica Report #: 501385

Sampling Point: MW-2 PWS ID: Not Supplied

Volatile Organic Chemicals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
123-91-1	1,4-Dioxane	522	1 *	0.07	< 0.07	ug/L	10/20/20 08:05	10/22/20 00:50	4753020

Sampling Point: Field Blank PWS ID: Not Supplied

Volatile Organic Chemicals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
123-91-1	1,4-Dioxane	522	1 *	0.07	< 0.07	ug/L	10/20/20 08:05	10/22/20 01:19	4753021

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!

Lab Definitions

Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC) - is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis. CCL, CCM, and CCH are the CCC standards at low, mid, and high concentration levels, respectively.

Internal Standards (IS) - are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

Laboratory Duplicate (LD) - is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS) - is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control. FBL, FBM, and FBH are the LFB samples at low, mid, and high concentration levels, respectively.

Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB) - is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB) - is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

If applicable, the calculation of the matrix spike (MS) or matrix spike duplicate (MSD) percent recovery is as follows: (MS or MSD value - Sample value) * 100 / spike target / dilution factor = **Recovery %**

Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD) - is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix. SDL, SDM, and SDH / LFSMDL, LFSMDM, and LFSMDH are the MSD or LFSMD at low, mid, and high concentration levels, respectively.

Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM) - is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results. MSL, MSM, and MSH / LFSML, LFSMM, and LFSMH are the MS or LFSM at low, mid, and high concentration levels, respectively.

Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV) - is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS) - is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

Surrogate Standard (SS) / Surrogate Analyte (SUR) - is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.

Eurofins TestAmerica, Burlington
30 Community Drive Suite 11
South Burlington, VT 05403
Phone: 802-660-1990 Fax: 802-660-1919

Chain of Custody Record

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409701

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 200-44866.1 50385
Client Contact: Shipping/Receiving	Phone:	E-Mail: Judy.Stone@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Eaton Analytical		Accreditations Required (See note): NELAP - New York		Job #: 200-55605-1
Address: 110 S Hill Street, ,	Due Date Requested: 10/27/2020			
City: South Bend	TAT Requested (days):			
State, Zip: IN, 46617				
Phone:	PO #:			
Email:	WO #:			
Project Name: Gladding Corporation #709009	Project #: 48022018			
Site:	SSOW#:			

Preservation Codes:

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

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (General Subcontract Method)	522	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-2 (200-55605-1)	10/13/20	16:10 Eastern		Water			X	C L(A) PPHV	2	4753 020
FIELD BLANK (200-55605-2)	10/13/20	16:00 Eastern		Water			X	C L(A) PHV	2	↓ 021
								10 17 2020 KP		

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10/16/20 1340	EFA Bur			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: KDW	Date/Time: 10-17-2020 0930	Company EFA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: Wet 1.2

Ver: 01/16/2019

Eurofins Eaton Analytical
Run Log

Run ID: **281223** Method: **522**

Type	Sample Id	Sample Site	Matrix	Instrument ID	Analysis Date	Calibration File
CCL	4754357		OS	DM	10/21/2020 10:20	522-10082020-DM.M
LRB	4753889		RW	DM	10/21/2020 10:51	522-10082020-DM.M
FBL	4753890		RW	DM	10/21/2020 11:22	522-10082020-DM.M
FBH	4753891		RW	DM	10/21/2020 11:53	522-10082020-DM.M
CCM	4754358		OS	DM	10/21/2020 18:38	522-10082020-DM.M
FS	4753020	MW-2	DW	DM	10/22/2020 00:50	522-10082020-DM.M
FTB	4753021	Field Blank	RW	DM	10/22/2020 01:19	522-10082020-DM.M
CCH	4754359		OS	DM	10/22/2020 02:51	522-10082020-DM.M

QC Summary Report

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCL	IS-Tetrahydrofuran-d8	522	N/A	---		94165	94165	ug/L	100	50 - 150	---	---	1.0	10/20/2020 12:49	10/21/2020 10:20	4754357
CCL	SS-1,4-Dioxane-d8	522	N/A	---		9.8900	10.0	ug/L	99	70 - 130	---	---	1.0	10/20/2020 12:49	10/21/2020 10:20	4754357
CCL	1,4-Dioxane	522	0.07	---		0.0770	0.07	ug/L	110	50 - 150	---	---	1.0	10/20/2020 12:49	10/21/2020 10:20	4754357
LRB	IS-Tetrahydrofuran-d8	522	N/A	---		96664	94165	ug/L	103	50 - 150	---	---	1.0	10/20/2020 08:05	10/21/2020 10:51	4753889
LRB	SS-1,4-Dioxane-d8	522	N/A	---		8.6700	10.0	ug/L	87	70 - 130	---	---	1.0	10/20/2020 08:05	10/21/2020 10:51	4753889
LRB	1,4-Dioxane	522	0.07	---	<	0.07		ug/L	---	---	---	---	1.0	10/20/2020 08:05	10/21/2020 10:51	4753889
FBL	IS-Tetrahydrofuran-d8	522	N/A	---		92628	94165	ug/L	98	50 - 150	---	---	1.0	10/20/2020 08:05	10/21/2020 11:22	4753890
FBL	SS-1,4-Dioxane-d8	522	N/A	---		8.4500	10.0	ug/L	84	70 - 130	---	---	1.0	10/20/2020 08:05	10/21/2020 11:22	4753890
FBL	1,4-Dioxane	522	0.07	---		0.0790	0.07	ug/L	113	50 - 150	---	---	1.0	10/20/2020 08:05	10/21/2020 11:22	4753890
FBH	IS-Tetrahydrofuran-d8	522	N/A	---		96787	94165	ug/L	103	50 - 150	---	---	1.0	10/20/2020 08:05	10/21/2020 11:53	4753891
FBH	SS-1,4-Dioxane-d8	522	N/A	---		8.6400	10.0	ug/L	86	70 - 130	---	---	1.0	10/20/2020 08:05	10/21/2020 11:53	4753891
FBH	1,4-Dioxane	522	0.07	---		8.9770	10.0	ug/L	90	70 - 130	---	---	1.0	10/20/2020 08:05	10/21/2020 11:53	4753891
CCM	IS-Tetrahydrofuran-d8	522	N/A	---		92853	92853	ug/L	100	50 - 150	---	---	1.0	10/20/2020 12:49	10/21/2020 18:38	4754358
CCM	SS-1,4-Dioxane-d8	522	N/A	---		10.5500	10.0	ug/L	106	70 - 130	---	---	1.0	10/20/2020 12:49	10/21/2020 18:38	4754358
CCM	1,4-Dioxane	522	0.07	---		1.0100	1.0	ug/L	101	70 - 130	---	---	1.0	10/20/2020 12:49	10/21/2020 18:38	4754358
FS	IS-Tetrahydrofuran-d8	522	N/A	MW-2		97628	92853	ug/L	105	50 - 150	---	---	1.0	10/20/2020 08:05	10/22/2020 00:50	4753020
FS	SS-1,4-Dioxane-d8	522	N/A	MW-2		8.5100	10.0	ug/L	85	70 - 130	---	---	1.0	10/20/2020 08:05	10/22/2020 00:50	4753020
FS	1,4-Dioxane	522	0.07	MW-2	<	0.07		ug/L	---	---	---	---	1.0	10/20/2020 08:05	10/22/2020 00:50	4753020
FTB	IS-Tetrahydrofuran-d8	522	N/A	Field Blank		99373	92853	ug/L	107	50 - 150	---	---	1.0	10/20/2020 08:05	10/22/2020 01:19	4753021
FTB	SS-1,4-Dioxane-d8	522	N/A	Field Blank		8.7800	10.0	ug/L	88	70 - 130	---	---	1.0	10/20/2020 08:05	10/22/2020 01:19	4753021
FTB	1,4-Dioxane	522	0.07	Field Blank	<	0.07		ug/L	---	---	---	---	1.0	10/20/2020 08:05	10/22/2020 01:19	4753021
CCH	IS-Tetrahydrofuran-d8	522	N/A	---		98380	98380	ug/L	100	50 - 150	---	---	1.0	10/20/2020 12:49	10/22/2020 02:51	4754359
CCH	SS-1,4-Dioxane-d8	522	N/A	---		10.2500	10.0	ug/L	102	70 - 130	---	---	1.0	10/20/2020 12:49	10/22/2020 02:51	4754359
CCH	1,4-Dioxane	522	0.07	---		9.9720	10.0	ug/L	100	70 - 130	---	---	1.0	10/20/2020 12:49	10/22/2020 02:51	4754359

Sample Type Key

Type (Abbr.)	Sample Type	Type (Abbr.)	Sample Type
CCH	Continuing Calibration High		
CCL	Continuing Calibration Low		
CCM	Continuing Calibration Mid		
FS	Field Sample		
FTB	Field Trip Blank		
FBH	Fortified Blank High		
FBL	Fortified Blank Low		
FBM	Fortified Blank Mid		
LRB	Laboratory Reagent Blank		

END OF REPORT

SP-522 EXTRACTION RECORD

Prep Batch: 80904

Sample ID	Comments	Standard 1st Use
ALL	See Logbook printout for procedure start time: See attached logbook printout for samples in batch. Balance ID: B13 Extraction Volume is **100 mL**	
ALL	Surrogate Standard Substock, @ 100 ug/mL in P&T MeOH. Exp Date: 04/19/2021 Prep Log #: OP-SOC145-34A 10 uL added: Conc: 10 ug/L	☐
LFB/CCC/LFSM/ LFSMD	Analyte Substock, @ 1.0 ug/mL in P&T MeOH. Exp Date: 12/25/2020 Prep Log #: OP SOC141-88A Analyte Substock, @ 10 ug/mL in P&T MeOH. Exp Date: 12/25/2020 Prep Log #: OP-SOC141-87C Analyte Substock, @ 100 ug/mL in P&T MeOH. Exp Date: 12/25/2020 Prep Log #: OP SOC141-87B	☐ ☐ ☐
LFB Low	7 uL added of 1.0 ug/mL analyte Substock Conc: 0.07 ug/L	
LFB Mid	10 uL added of 10 ug/mL analyte Substock Conc: 1 ug/L	
LFB High	10 uL added of 100 ug/mL analyte Substock Conc: 10 ug/L	
LFSML/LFSMDL	~~7~~ 6.0 uL added of 1.0 ug/mL analyte Substock TR 10/20/2020 Conc: 0.07 ug/L	
LFSMM/LFSMDM	NA uL added of 10 ug/mL analyte Substock Conc: NA ug/L	
CCL	7 uL added of 1.0 ug/mL analyte Substock Conc: 0.07 ug/L	
CCM	10 uL added of 10 ug/mL analyte Substock Conc: 1 ug/L	
CCH	10 uL added of 100 ug/mL analyte Substock Conc: 10 ug/L	
ALL	Extract according to 522 SOP 400 mg synthetic carbon cartridge: MFG: Sep-Pak Lot #: 912130100A Methanol: MFG: JT Baker Lot #: 258810 Grade: Ultra Resi Methylene Chloride: MFG: BJ Lot #: D2242-45 Grade: 99.9%	
ALL	Sodium bisulfate (anh): MFG: ACROS Lot #: A0384759 Grade: 97% Sodium sulfite: MFG: ACROS Lot #: A0370605 Grade: ACS Milli-Q Reagent Water: Date of Collection: 10/20/2020 Sodium Sulfate: MFG: Fisher Lot #: 200002 Grade: ACS	
ALL	Internal Standard Substock: @ 100 ug/mL in DCM. Exp Date: 11/02/2020 Prep Log #: OP SOC145-35A 10 uL added: Conc: 10 ug/L	☐
Observations		

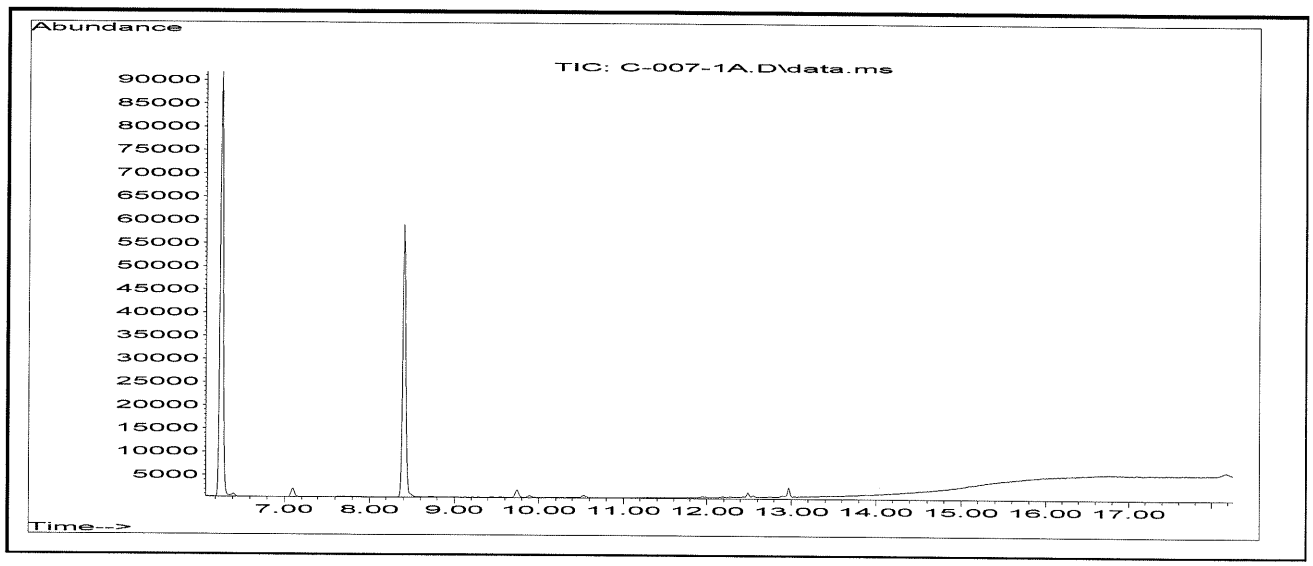
Extraction Technician: TR Date: 10/20/2020

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	C-007-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/21/2020 10:20		
Data File:	C:\DM\102120a\		
Recalc Method:	C:\DM\102120a\522-10082020-DM.M		
Comment:	C-007-1A\SMP\4754357\CCL\OS\522\1\0.07\ CCL		



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	94165	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	79974	96.1	0	9.89	0.00	ug/L	
1,4-Dioxane	8.49	751	88.1	0	0.077	0.07	ug/L	96

93% compared to preceding CCC

See printout

SMP
10b2b020

Quantitation Report (QT Reviewed)

Data Path : C:\DM\102020a\
Data File : C-1-1A.D
Acq On : 20 Oct 2020 04:19 pm
Operator : SMP
Sample : C-1-1A
Misc : C-1-1A\SMP\4754355\CCM\OS\522\1\1\ CCM
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 06:44:31 2020
Quant Method : C:\DM\102020a\522-10082020-DM.M
Quant Title : 522-051811
QLast Update : Mon Oct 12 10:45:48 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS-THF-d8	6.260	46	101384	10.00	ug/L	0.00
System Monitoring Compounds						
2) SS-1,4-Dioxane-d8	8.403	96	83781	9.62	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.20%			
Target Compounds						Qvalue
3) 1,4-Dioxane	8.476	88	7796	0.892	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

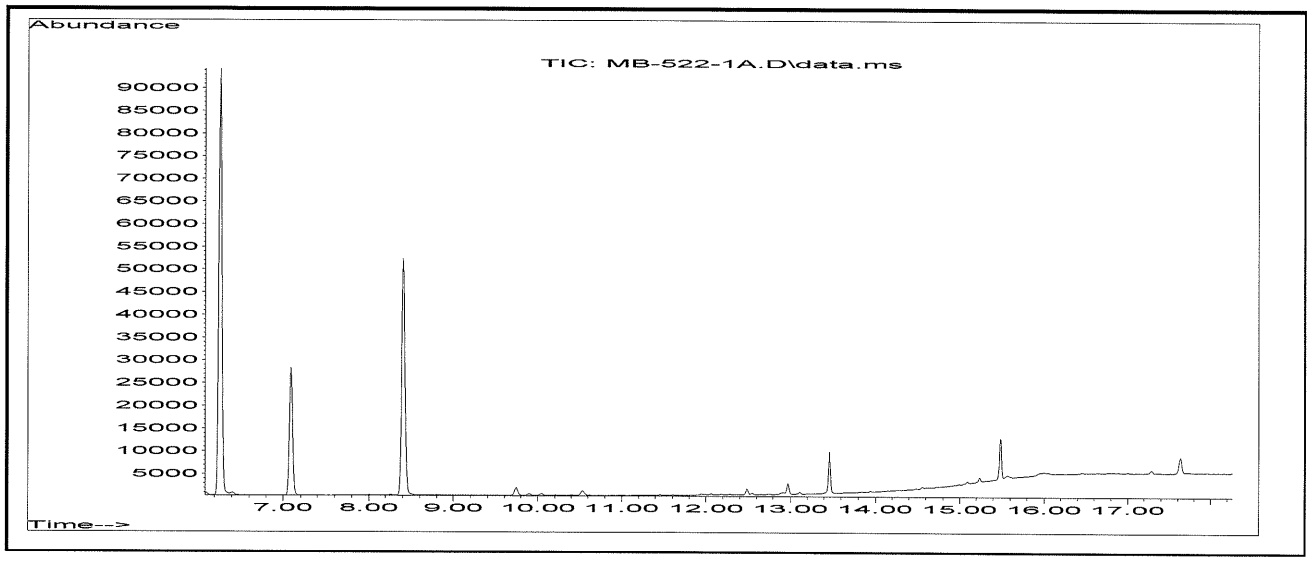
522-10082020-DM.M Wed Oct 21 10:15:56 2020 DM

LABELED CHROMATOGRAM REPORT

EPA Method 522

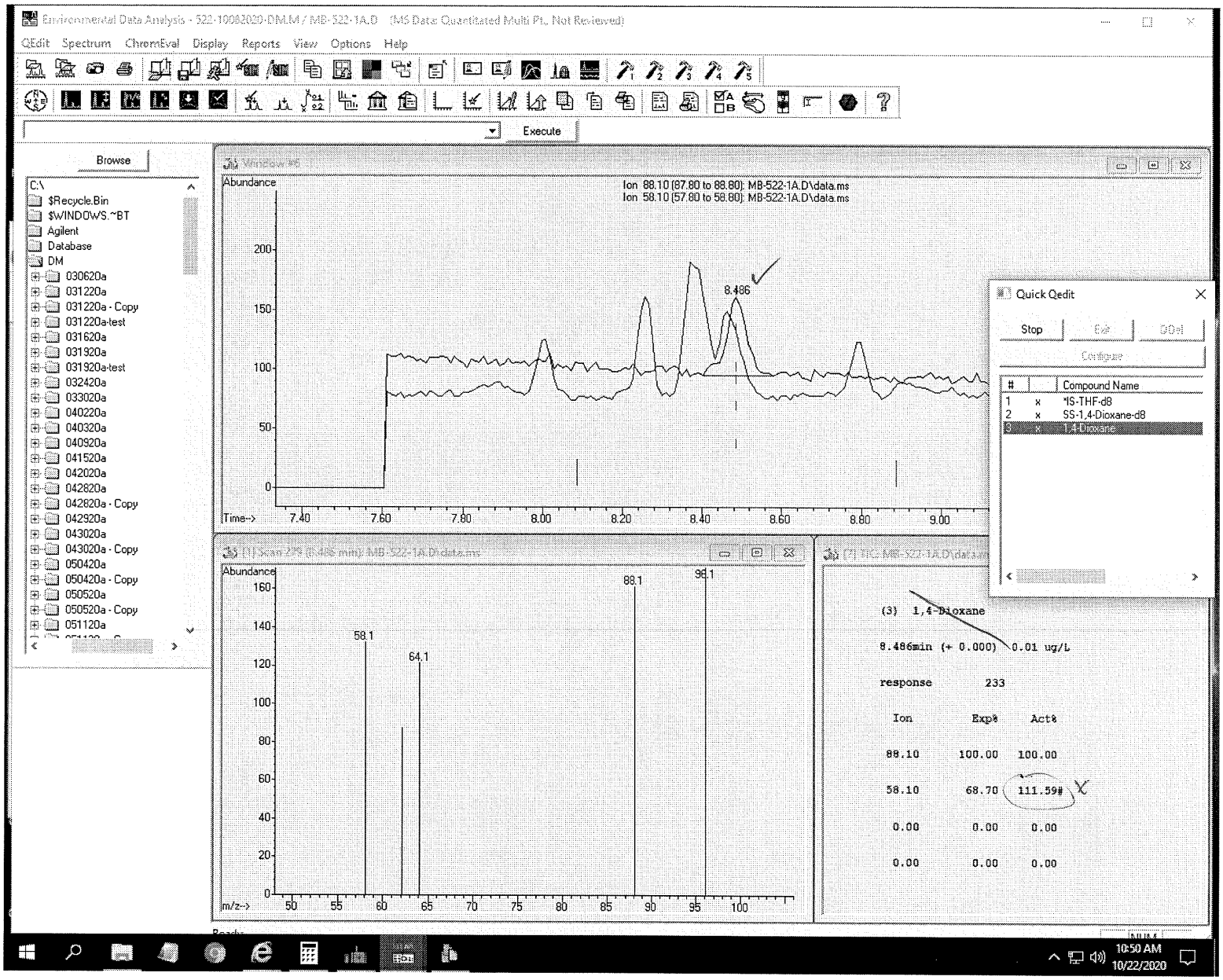
Eurofins Eaton Analytical

Lab Sample ID:	MB-522-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/21/2020 10:51		
Data File:	C:\DM\102120a\		
Recalc Method:	C:\DM\102120a\522-10082020-DM.M		
Comment:	MB-522-1A\SMP\4753889\LRB\RW\522\1\\ LRB		



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.27	96664	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.41	71998	96.1	0	8.67	0.00	ug/L	
1,4-Dioxane	8.49	233	88.1	0	~~0.011~~	0.07	ug/L	96

(1) SMP
10/22/2020



x-Ratio also outside +/-20% compared to CCM

SMP ①

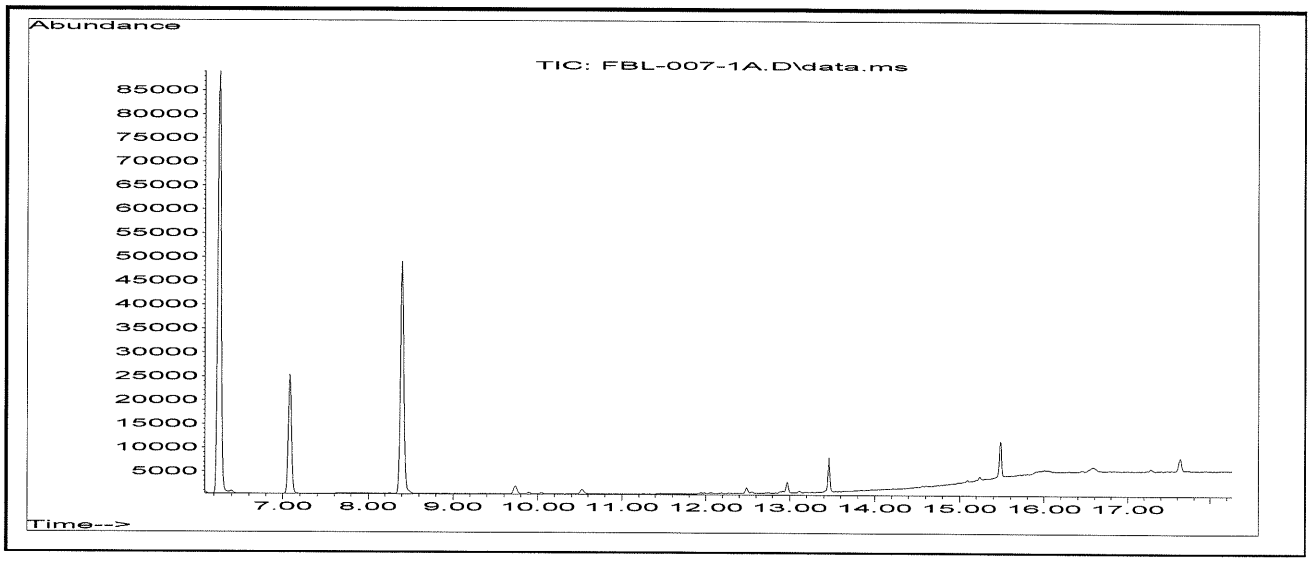
10/22/2020

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	FBL-007-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/21/2020 11:22		
Data File:	C:\DM\102120a\		
Recalc Method:	C:\DM\102120a\522-10082020-DM.M		
Comment:	FBL-007-1A\SMP\4753890\FBL\RW\522\1\0.07\ FBL		



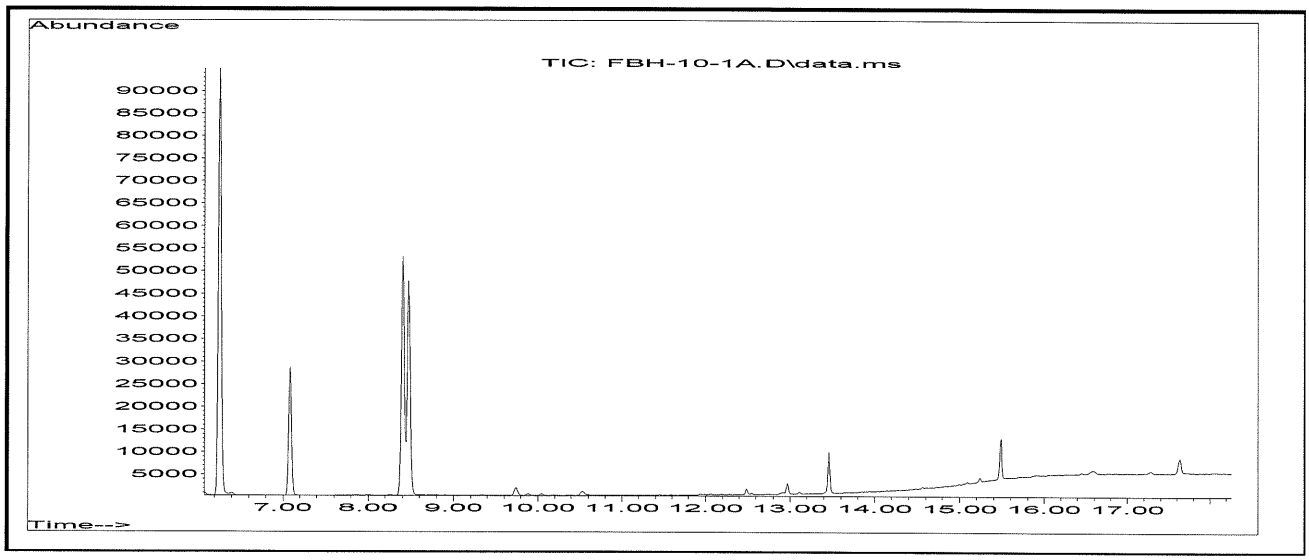
Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.25	92628	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	67215	96.1	0	8.45	0.00	ug/L	
1,4-Dioxane	8.48	755	88.1	0	0.079	0.07	ug/L	97

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	FBH-10-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/21/2020 11:53		
Data File:	C:\DM\102120a\		
Recalc Method:	C:\DM\102120a\522-10082020-DM.M SMP 10/22/2020		
Comment:	FBH-10-1A\SMP\4753891\FBM\RW\522\1\10\ FBH		



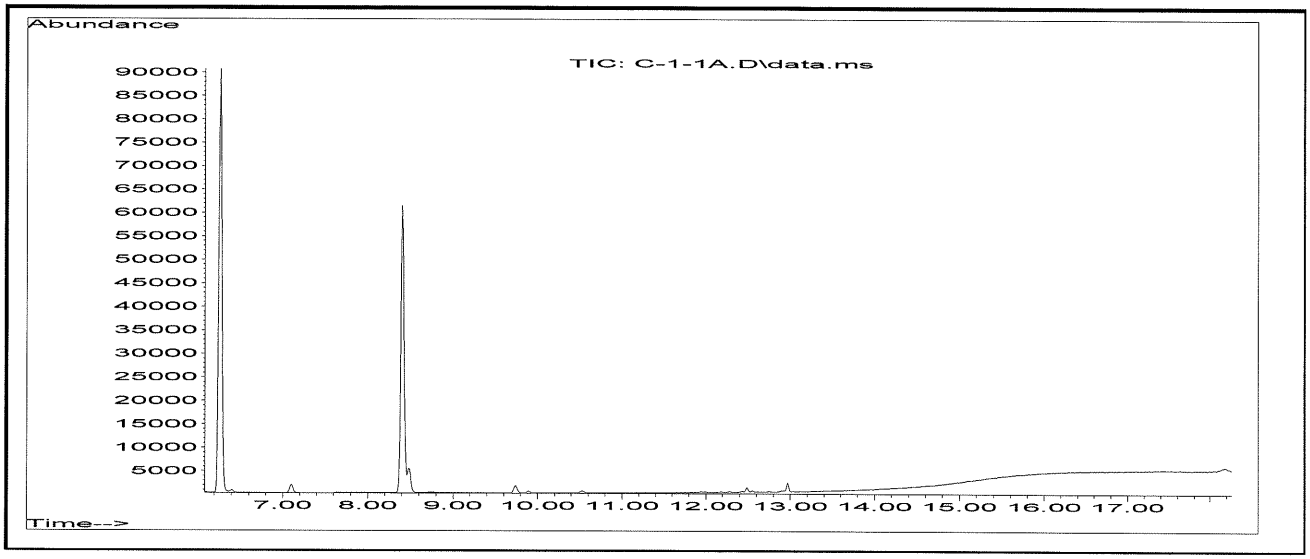
Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	96787	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	71808	96.1	0	8.64	0.00	ug/L	
1,4-Dioxane	8.48	73573	88.1	0	8.977	0.07	ug/L	97

LABELED CHROMATOGRAM REPORT

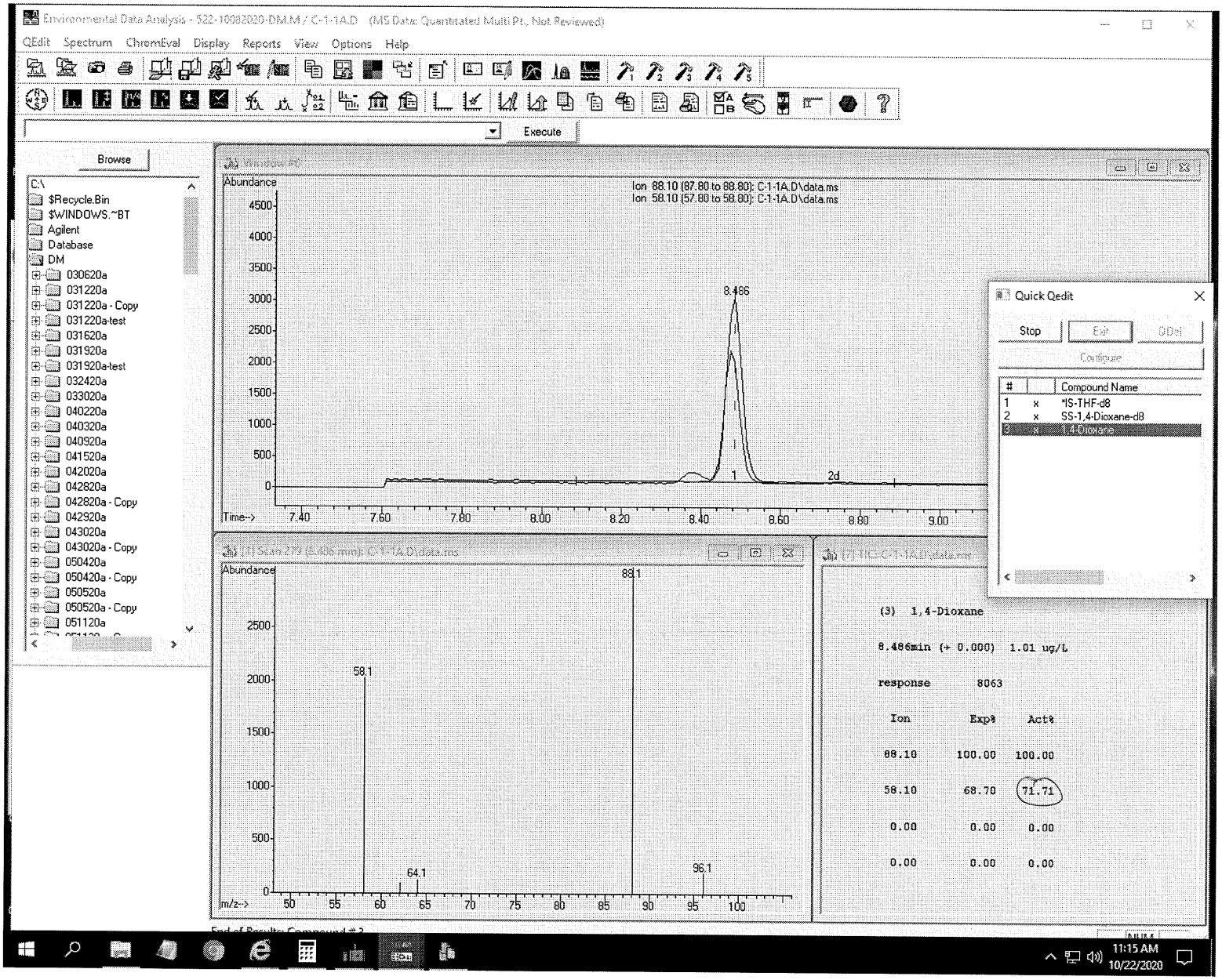
EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	C-1-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/21/2020 18:38		
Data File:	C:\DM\102120a\		
Recalc Method:	C:\DM\102120a\522-10082020-DM.M		
Comment:	C-1-1A\SMP\4754358\CCM\OS\522\1\1\ CCM		



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.27	92853	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	84133	96.1	0	10.55	0.00	ug/L	
1,4-Dioxane	8.49	8063	88.1	0	1.010	0.07	ug/L	96

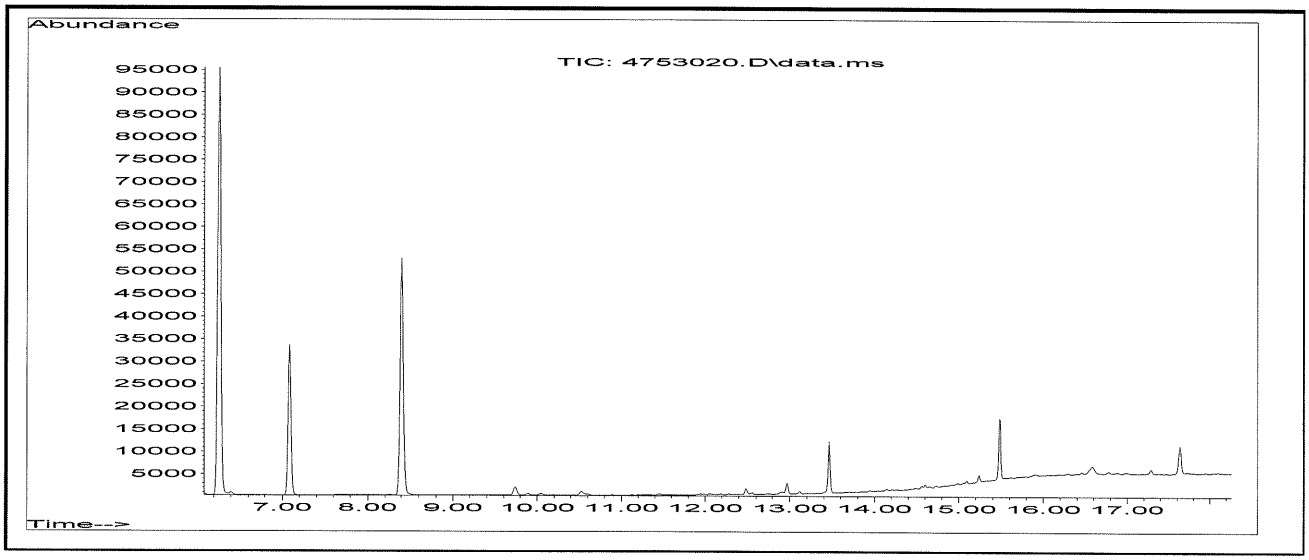

Environmental Data Analysis - 522-10082020-DM.M / C-1-1A.D (MS Data: Quantitated Multi Pt., Not Reviewed)
QEdit Spectrum ChromEval Display Reports View Options Help
Execute
Browse
C:\
$Recycle.Bin
$WINDOWS.~BT
Agilent
Database
DM
030620a
031220a
031220a - Copy
031220a-test
031620a
031920a
031920a-test
032420a
033020a
040220a
040320a
040920a
041520a
042020a
042820a
042820a - Copy
042920a
043020a
043020a - Copy
050420a
050420a - Copy
050520a
050520a - Copy
051120a
Abundance
Ion 88.10 (87.80 to 88.80): C-1-1A.D\data.ms
Ion 58.10 (57.80 to 58.80): C-1-1A.D\data.ms
8.486
1
2d
Time-->
Quick Qedit
Stop
Exit
Configure
Compound Name
1 x IS-THF-d8
2 x SS-1,4-Dioxane-d8
3 x 1,4-Dioxane
Abundance
88.1
58.1
64.1
96.1
m/z-->
(3) 1,4-Dioxane
8.486min (+ 0.000) 1.01 ug/L
response 8063
Ion Exp% Act%
88.10 100.00 100.00
58.10 68.70 71.71
0.00 0.00 0.00
0.00 0.00 0.00
11:15 AM
10/22/2020

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	4753020.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/22/2020 0:50		
Data File:	C:\DM\102120a\		
Recalc Method:	C:\DM\102120a\522-10082020-DM.M		
Comment:	4753020\SMP\4753020\FS\DW\522\1\\ 55605-1		



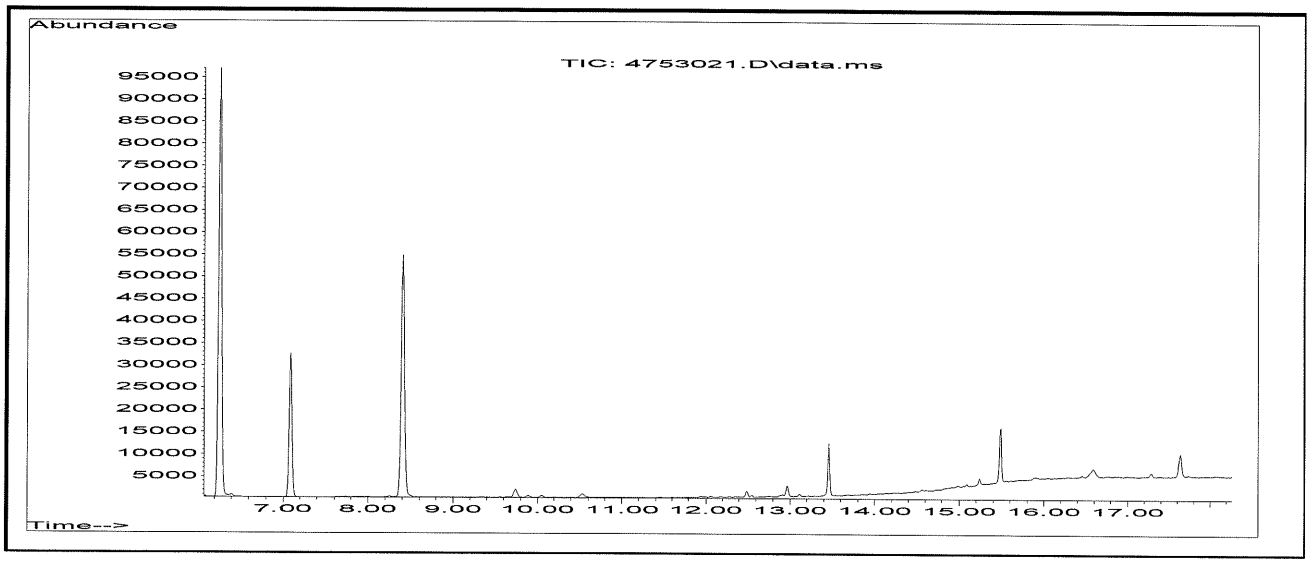
Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	97628	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	71375	96.1	0	8.51	0.00	ug/L	
1,4-Dioxane	8.49	221	88.1	0	0.009	0.07	ug/L	97

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	4753021.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/22/2020 1:19		
Data File:	C:\DM\102120a\		
Recalc Method:	C:\DM\102120a\522-10082020-DM.M		
Comment:	4753021\SMP\4753021\FTB\RW\522\1\\ 55605-2		



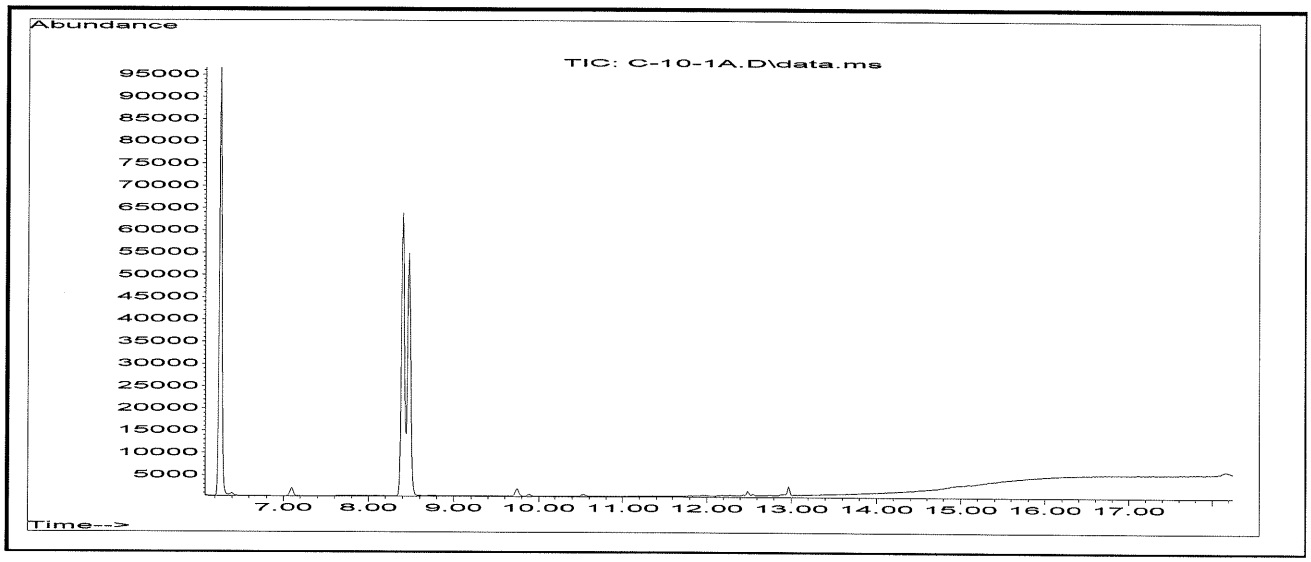
Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	99373	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	74904	96.1	0	8.78	0.00	ug/L	
1,4-Dioxane	8.49	434	88.1	0	0.034	0.07	ug/L	96

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	C-10-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/22/2020 2:51		
Data File:	C:\DM\102120a\		
Recalc Method:	C:\DM\102120a\522-10082020-DM.M		
Comment:	C-10-1A\SMP\4754359\CCH\OS\522\1\10\ CCH		



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	98380	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	86580	96.1	0	10.25	0.00	ug/L	
1,4-Dioxane	8.48	83054	88.1	0	9.972	0.07	ug/L	96

SP-522 EXTRACTION RECORD

Prep Batch: 80642, 80643, 80644, 80654

Sample ID	Comments	Standard 1st Use
ALL	See Logbook printout for procedure start time: See attached logbook printout for samples in batch. Balance ID: B13 Extraction Volume is **100 mL**	
ALL	Surrogate Standard Substock, @ 100 ug/mL in P&T MeOH. Exp Date: 04/05/2021 Prep Log #: OP-SOC144-96C 10 uL added: Conc: 10 ug/L	☒
LFB/CCC/LFSM/ LFSMD	Analyte Substock, @ 1.0 ug/mL in P&T MeOH. Exp Date: 12/25/2020 Prep Log #: OP-SOC141-88A	☐
	Analyte Substock, @ 10 ug/mL in P&T MeOH. Exp Date: 12/25/2020 Prep Log #: OP-SOC141-87C	☐
	Analyte Substock, @ 100 ug/mL in P&T MeOH. Exp Date: 12/25/2020 Prep Log #: OP-SOC141-87B	☐
LFB Low	7 uL added of 1.0 ug/mL analyte Substock Conc: 0.07 ug/L	
LFB Mid	10 uL added of 10 ug/mL analyte Substock Conc: 1 ug/L	
LFB High	10 uL added of 100 ug/mL analyte Substock Conc: 10 ug/L	
LFSML/LFSMDL	7 uL added of 1.0 ug/mL analyte Substock Conc: 0.07 ug/L	
LFSMM/LFSMDM	10 uL added of 10 ug/mL analyte Substock Conc: 1 ug/L	
CCL	7 uL added of 1.0 ug/mL analyte Substock Conc: 0.07 ug/L	
CCM	10 uL added of 10 ug/mL analyte Substock Conc: 1 ug/L	
CCH	10 uL added of 100 ug/mL analyte Substock Conc: 10 ug/L	
ALL	Extract according to 522 SOP 400 mg synthetic carbon cartridge: MFG: Waters Lot #: 912130100A Methanol: MFG: JT Baker Lot #: 23044H6 Grade: Ultra Resi Methylene Chloride: MFG: B+J Lot #: D2242-4S Grade: >99%	
ALL	Sodium bisulfate (anh): MFG: Acros Lot #: A0384759 Grade: 92% Sodium sulfite: MFG: Acros Lot #: A0377005 Grade: ACS Milli-Q Reagent Water: Date of Collection: 10/05/2020 Sodium Sulfate: MFG: Fisher Lot #: 200002 Grade: ACS	
ALL	Internal Standard Substock: @ 100 ug/mL in DCM. Exp Date: 10/19/2020 Prep Log #: OP-SOC144-97B 10 uL added: Conc: 10 ug/L	☒
Observations		

Extraction Technician: MJP / TR Date: 10/05/2020

SP-522 CALIBRATION RECORD

Prep Batch: 80701

Standard 1st Use ☐

Sample Type	Comments
ALL	Added 10 uL Surrogate Standard Substock ; @ 100 ug/mL in P&T Methanol Prep Log #: OP-SOC144-96C Exp. Date: 04/05/2021 Added 10 uL Internal Standard Substock ; @ 100 ug/mL in Dichloromethane (B&J) Prep Log #: OP-SOC144-97B Exp. Date: 10/19/2020
Calibration Substock	Analyte Substock @ 100 ug/mL made by adding 100 uL of 522 LFB stock @ 2000 ug/mL to 2.0 mL with P&T Methanol Prep Log #: OP-SOC141-87B Exp. Date: 12/25/2020 Analyte Substock @ 10 ug/mL made by adding 10 uL of 522 LFB stock @ 2000 ug/mL to 2.0 mL with P&T Methanol Prep Log #: OP-SOC141-87C Exp. Date: 12/25/2020 Analyte Substock @ 1 ug/mL made by adding 20 uL of 522 LFB Substock @ 100 ug/mL to 2.0 mL with P&T Methanol Prep Log #: OP-SOC141-88A Exp. Date: 12/25/2020
Sample conc 0.07 ug/L 0.1 ug/L 0.2 ug/L 0.5 ug/L 1.0 ug/L 2.0 ug/L 5.0 ug/L 10 ug/L 20 ug/L	Calibration made at the following concentrations in 2 mL of B&J Dichloromethane: added 7 uL of analyte substock @ 1 ug/mL added 10 uL of analyte substock @ 1 ug/mL added 20 uL of analyte stock @ 1 ug/mL added 5 uL of analyte stock @ 10 ug/mL added 10 uL of analyte substock @ 10 ug/mL added 20 uL of analyte substock @ 10 ug/mL added 5 uL of analyte substock @ 100 ug/mL added 10 uL of analyte substock @ 100 ug/mL added 20 uL of analyte substock @ 100 ug/mL
UQCM @1.0 ug/mL 10 µL	QCS Substock @ 10 ug/mL made by adding 20 uL of 522 QCS stock @ 1000 ug/mL to 2.0 mL with P&T Methanol Prep Log #: OP-SOC141-95A Exp. Date: 12/30/2020
ALL	B&J Dichloromethane: MFG: B+J Lot #: DZ242-US Grade: >99.9%
Extraction Technician:	MAP Date: 10/07/2020

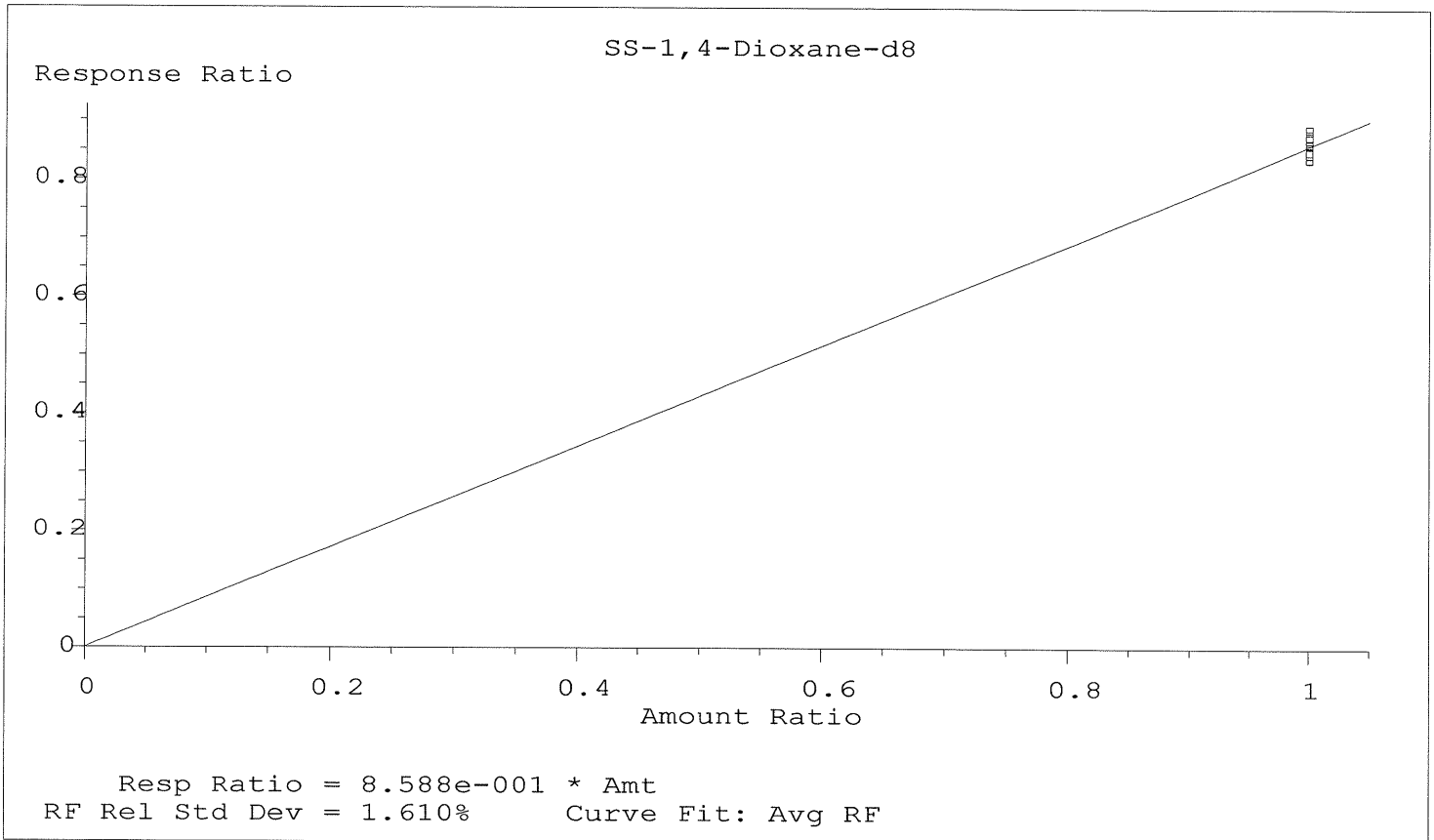
Response Factor Report DM

Method Path : C:\DM\100820a\
Method File : 522-10082020-DM.M
Title : 522-051811
Last Update : Mon Oct 12 10:45:48 2020
Response Via : Initial Calibration

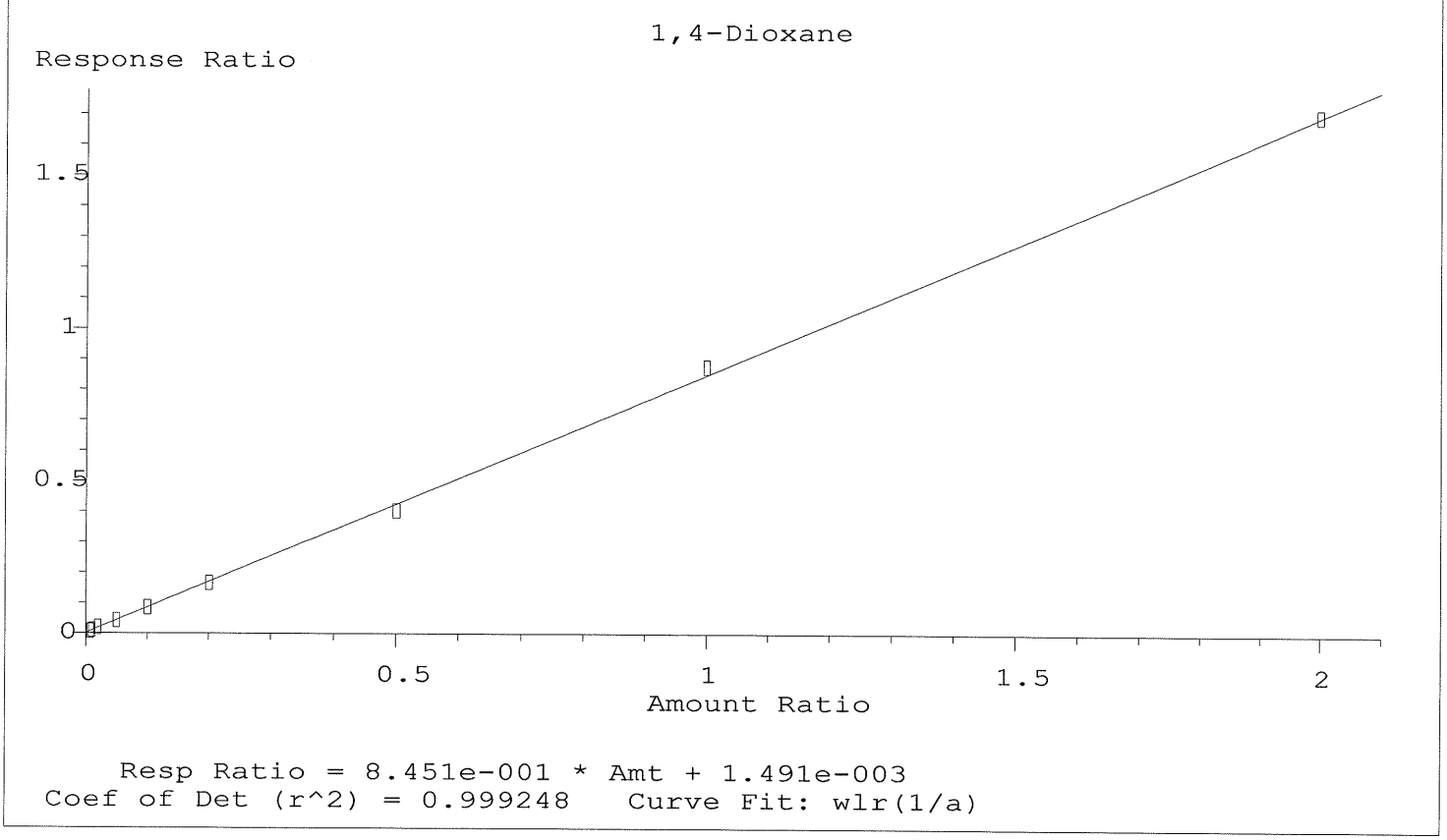
Calibration Files
1 =I-007-1A.D 2 =I-01-1A.D 3 =I-02-1A.D 4 =I-05-1A.D 5 =I-20-1A.D 6 =I-2-1A.D 7 =I-5-1A.D 8 =I-10-1A.D 9 =I-20-1A.D

	Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD
1) I	IS-THF-d8	----------ISTD----------										
2) S	SS-1,4-Dioxane-d8	0.869	0.872	0.881	0.866	0.855	0.851	0.842	0.843	0.850	0.859	1.61
3)	1,4-Dioxane	1.079	0.999	0.974	0.850	0.848	0.826	0.803	0.873	0.847	0.900	10.47

(#) = Out of Range



Resp Ratio = 8.588e-001 * Amt
RF Rel Std Dev = 1.610% Curve Fit: Avg RF



Resp Ratio = 8.451e-001 * Amt + 1.491e-003
Coef of Det (r^2) = 0.999248 Curve Fit: wlr(1/a)

Data Path : C:\DM\100820a\
Data File : BFB-1B.D
Acq On : 08 Oct 2020 07:44 am
Operator : SMP
Sample : BFB-1B
Misc : OP-SOC145-19A
ALS Vial : 41 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\DM\100620a\522-06302020-DM.M
Title : 522-051811
Last Update : Wed Jul 01 07:46:59 2020

Spectrum Information: Average of 7.854 to 7.904 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	1376	PASS
75	95	30	60	56.2	3602	PASS
95	95	100	100	100.0	6414	PASS
96	95	5	9	6.6	426	PASS
173	174	0.00	2	1.3	59	PASS
174	95	50	100	71.9	4611	PASS
175	174	5	9	8.9	410	PASS
176	174	95	101	99.6	4592	PASS
177	176	5	9	6.1	280	PASS

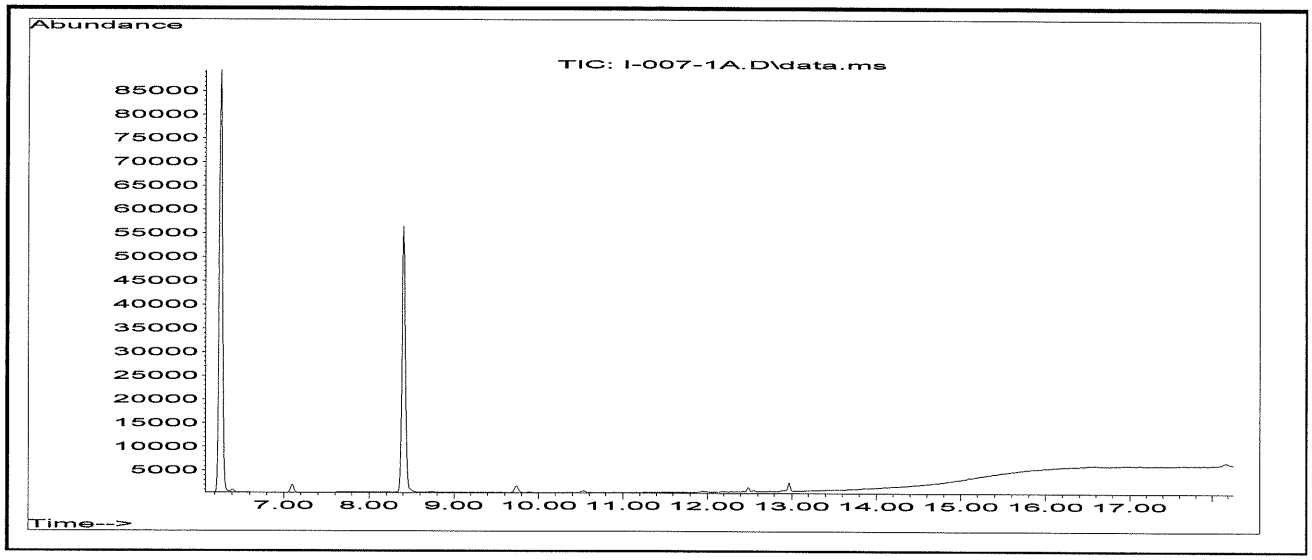
522-06302020-DM.M Thu Oct 08 07:57:49 2020 DM

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	I-007-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/8/2020 8:36		
Data File:	C:\DM\100820a\		
Recalc Method:	C:\DM\100820a\522-10082020-DM.M		
Comment:	I-007-1A\SMP\4744271\ICL\OS\522\1\0.07\ CCL		



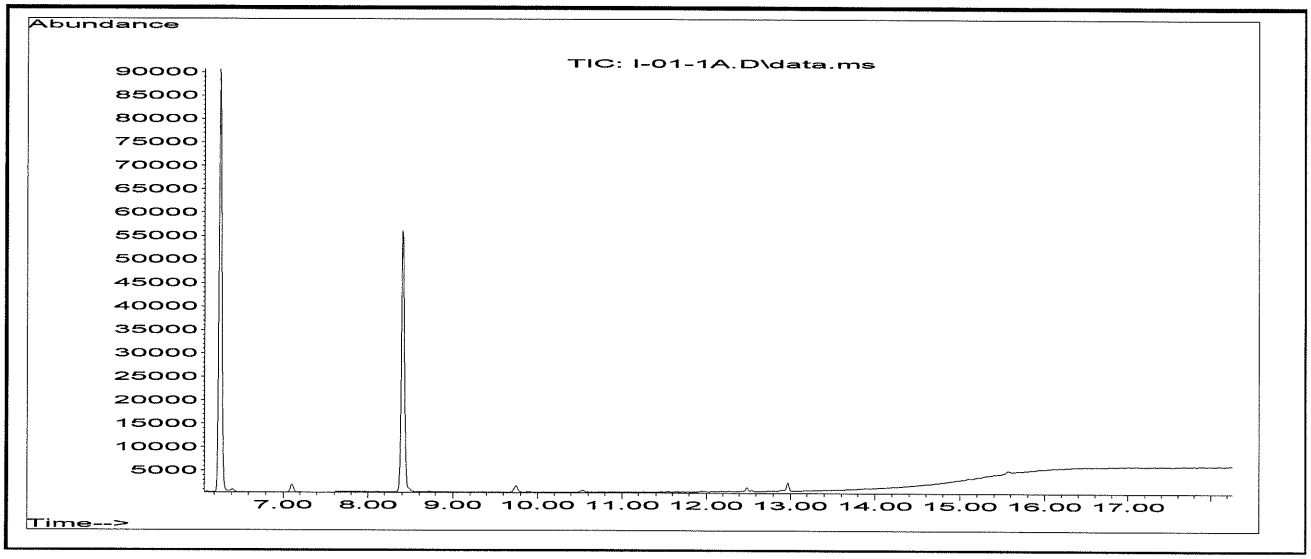
Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	90016	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	78220	96.1	0	10.12	0.00	ug/L	
1,4-Dioxane	8.49	680	88.1	0	0.072	0.07	ug/L	100

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	I-01-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/8/2020 9:10		
Data File:	C:\DM\100820a\		
Recalc Method:	C:\DM\100820a\522-10082020-DM.M		
Comment:	I-01-1A\SMP\4744272\ICS\OS\522\1\0.1\ ICS		



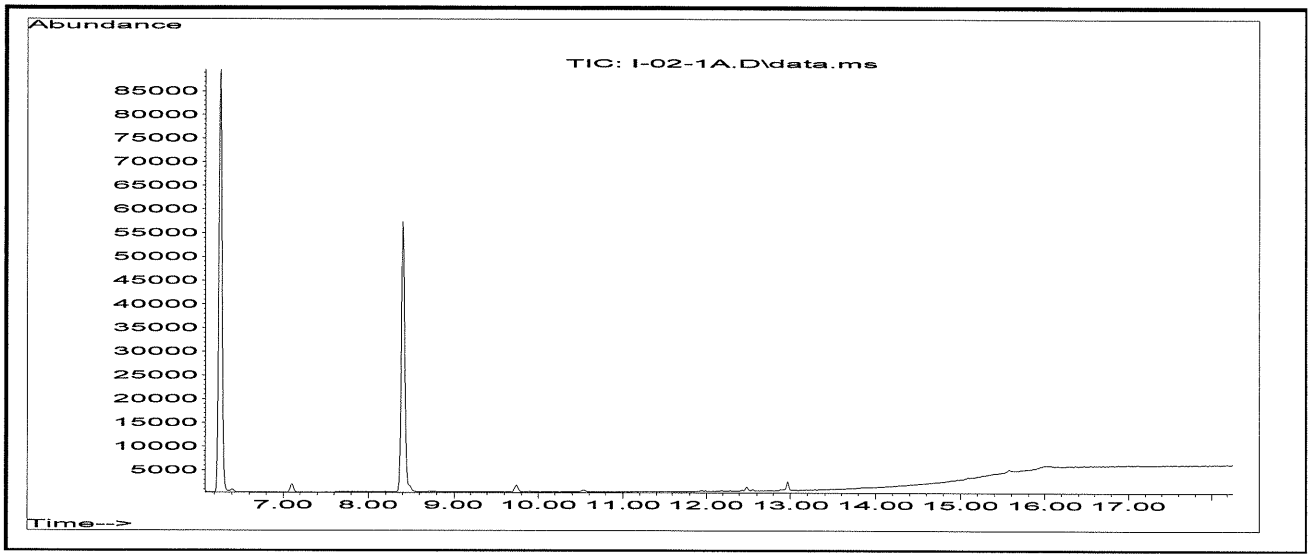
Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.27	91462	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.41	79800	96.1	0	10.16	0.00	ug/L	
1,4-Dioxane	8.49	914	88.1	0	0.101	0.07	ug/L	100

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	I-02-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/8/2020 9:46		
Data File:	C:\DM\100820a\		
Recalc Method:	C:\DM\100820a\522-10082020-DM.M		
Comment:	I-02-1A\SMP\4744273\ICS\OS\522\1\0.2\ ICS		



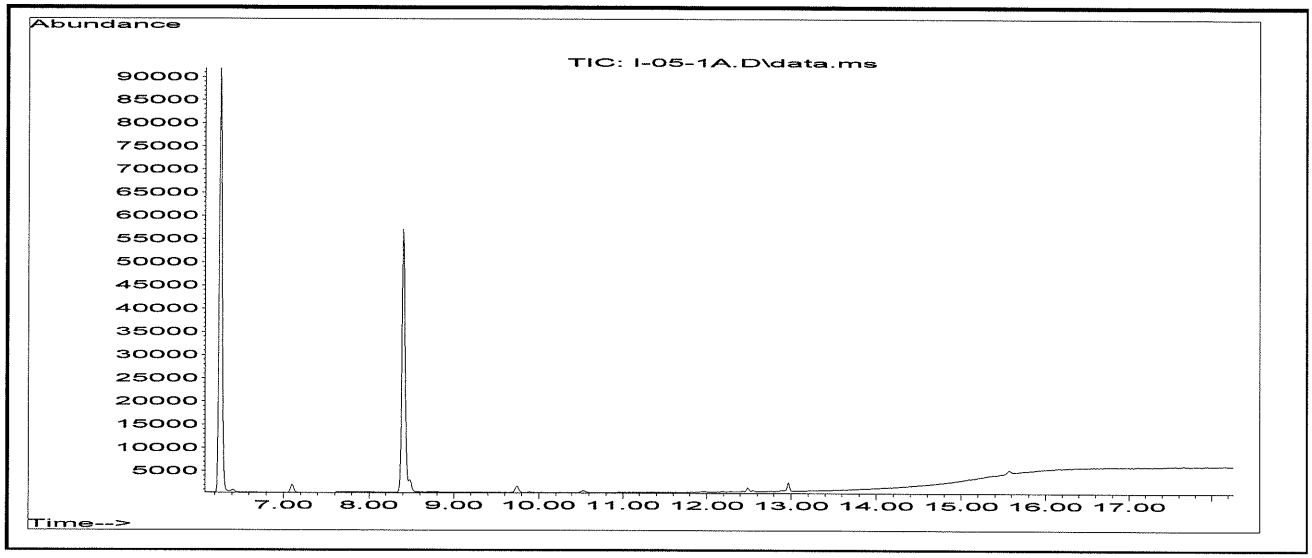
Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	91246	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	80398	96.1	0	10.26	0.00	ug/L	
1,4-Dioxane	8.49	1778	88.1	0	0.213	0.07	ug/L	100

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	I-05-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/8/2020 10:21		
Data File:	C:\DM\100820a\		
Recalc Method:	C:\DM\100820a\522-10082020-DM.M		
Comment:	I-05-1A\SMP\4744274\ICS\OS\522\1\0.5\ ICS		



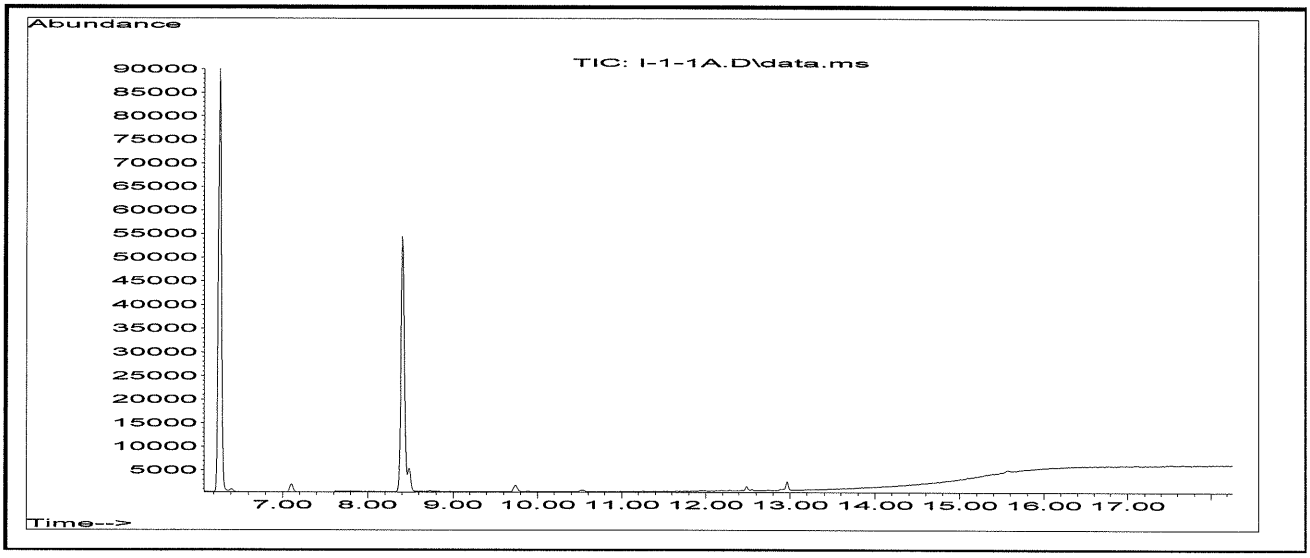
Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.27	92133	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.41	79789	96.1	0	10.08	0.00	ug/L	
1,4-Dioxane	8.49	3914	88.1	0	0.485	0.07	ug/L	100

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	I-1-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/8/2020 11:00		
Data File:	C:\DM\100820a\		
Recalc Method:	C:\DM\100820a\522-10082020-DM.M		
Comment:	I-1-1A\SMP\4744275\ICS\OS\522\1\1\ ICS		



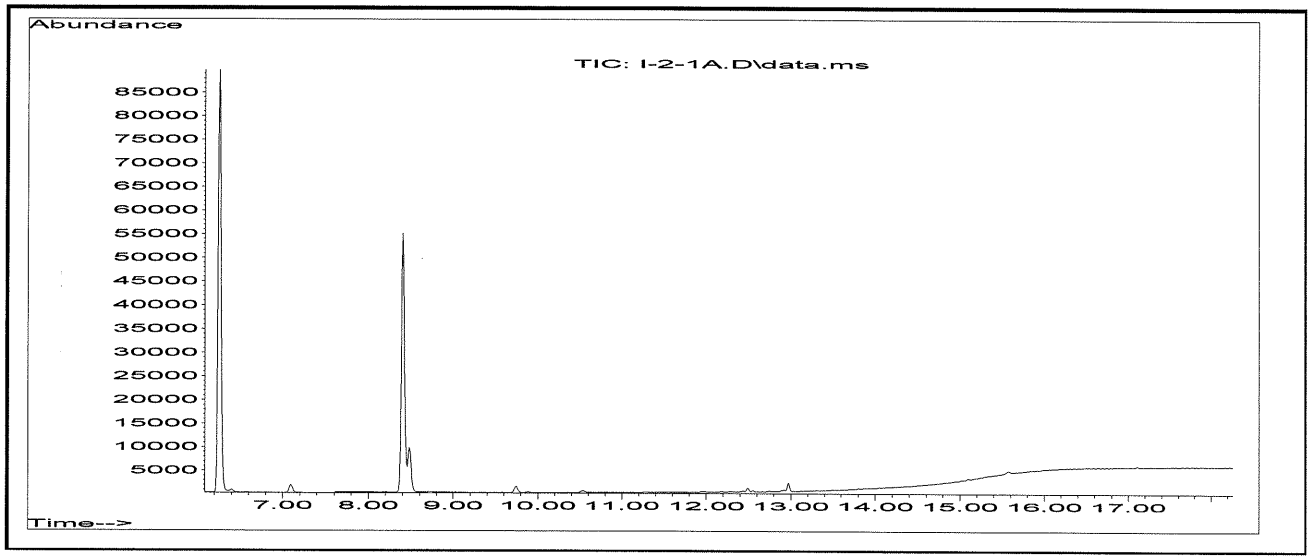
Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.27	89878	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	76845	96.1	0	9.96	0.00	ug/L	
1,4-Dioxane	8.49	7621	88.1	0	0.986	0.07	ug/L	100

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	I-2-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/8/2020 11:37		
Data File:	C:\DM\100820a\		
Recalc Method:	C:\DM\100820a\522-10082020-DM.M		
Comment:	I-2-1A\SMP\4744276\ICS\OS\522\1\2\ ICS		



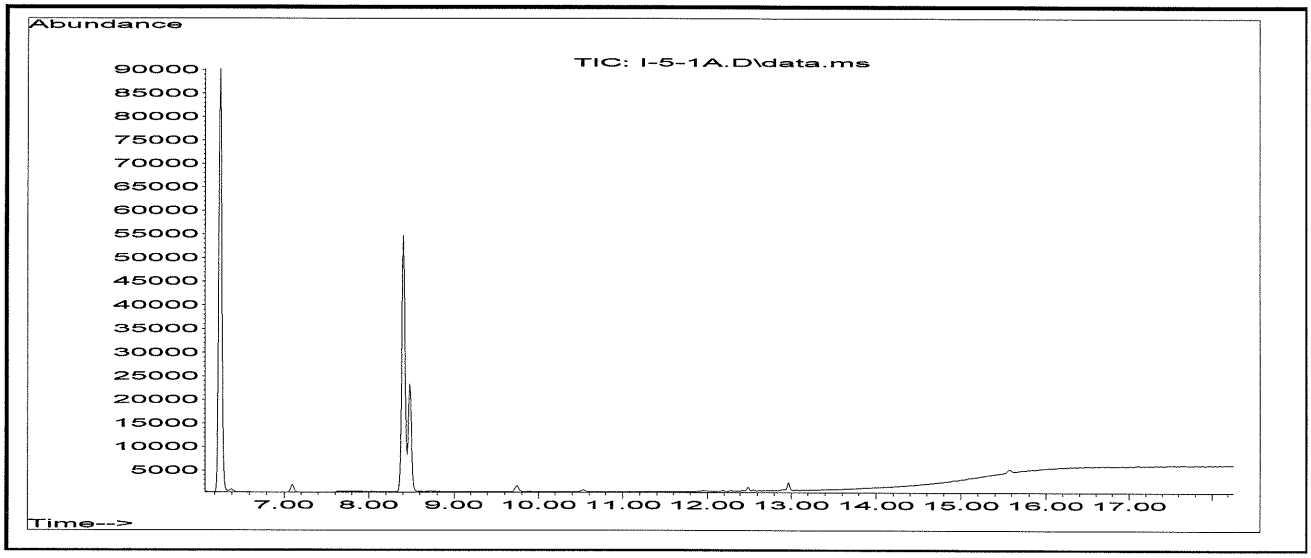
Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	90438	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	76941	96.1	0	9.91	0.00	ug/L	
1,4-Dioxane	8.48	14946	88.1	0	1.938	0.07	ug/L	100

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	I-5-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/8/2020 12:16		
Data File:	C:\DM\100820a\		
Recalc Method:	C:\DM\100820a\522-10082020-DM.M		
Comment:	I-5-1A\SMP\4744277\ICS\OS\522\1\5\ ICS		



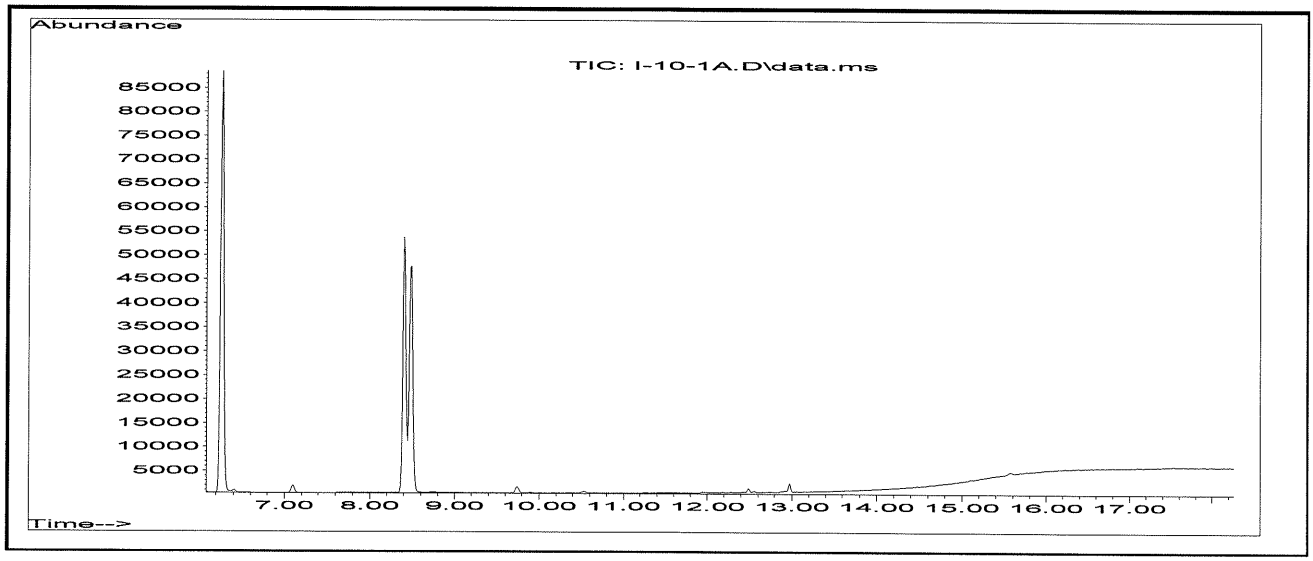
Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	90119	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	75903	96.1	0	9.81	0.00	ug/L	
1,4-Dioxane	8.48	36190	88.1	0	4.734	0.07	ug/L	100

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	I-10-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/8/2020 12:57		
Data File:	C:\DM\100820a\		
Recalc Method:	C:\DM\100820a\522-10082020-DM.M		
Comment:	I-10-1A\SMP\4744278\ICS\OS\522\1\10\ ICS		



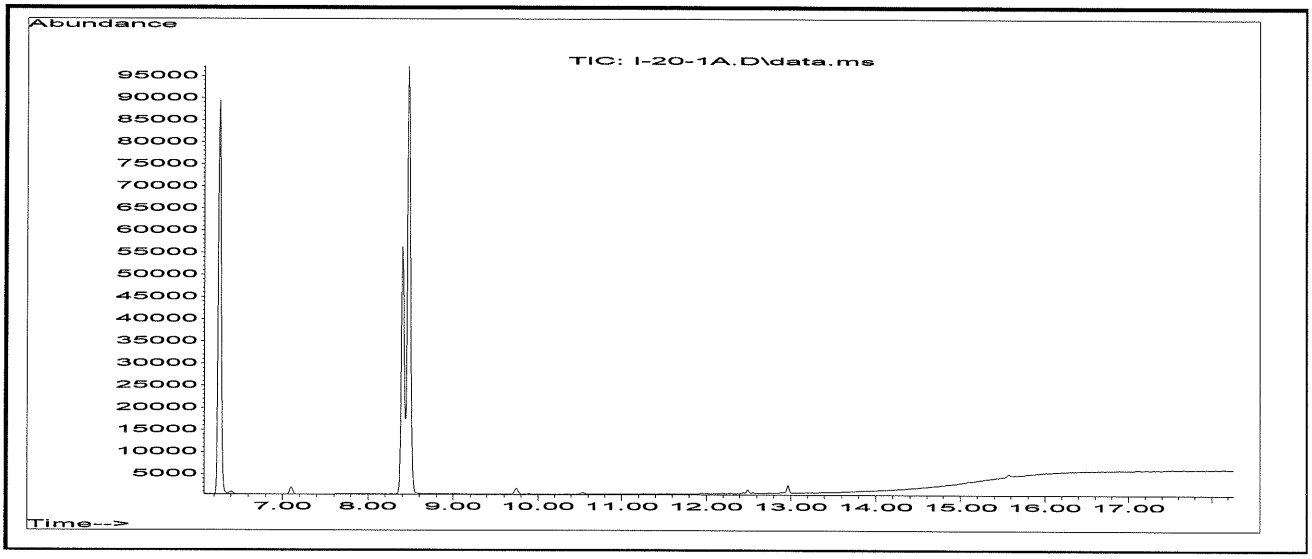
Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	88883	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.41	74901	96.1	0	9.81	0.00	ug/L	
1,4-Dioxane	8.49	77597	88.1	0	10.313	0.07	ug/L	100

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID:	I-20-1A.D	**Correction Factor:**	1
Analyst:	SMP		
Instrument:	DM		
Acquisition Date:	10/8/2020 13:37		
Data File:	C:\DM\100820a\		
Recalc Method:	C:\DM\100820a\522-10082020-DM.M		
Comment:	I-20-1A\SMP\4744279\ICS\OS\522\1\20\ ICS		



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	91306	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	77619	96.1	0	9.90	0.00	ug/L	
1,4-Dioxane	8.49	154685	88.1	0	20.029	0.07	ug/L	100

QA - Method Detection Limit Study

Method:	522	Analyzed by:	Various	Approved by:	Rhonda Day	Effective Date:	11/10/2019
Instrument:	DM	Prepped by:	Various	Comments:	*The MDL calculates >1/3MRL RD 12/17/2019*		
Units:	ug/L						
Matrix Type:	RW						

Number of months next study due: 12

Date Submittted: 11/10/2019

Earliest Analysis date	Parameter	# of Pts	df	t(n-1,1-α=0.99)	mean	sd	Calculated MDL_S	MDL_b	New Instrument MDL	Old / Current LOD
10/15/2018	1,4-Dioxane	15	14	2.6245	0.059866667	0.015555737	0.040826032	0.0105	0.040826032	0.02

Shipping and Receiving Documents

Eurofins TestAmerica, Burlington
30 Community Drive Suite 11
South Burlington, VT 05403
Phone: 802-660-1990 Fax: 802-660-1919

Chain of Custody Record

Syracuse #225

eurofins | Environment Testing America

Client Information	Sampler: J. Mullins	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-151708-33716.1
Client Contact: Jasmine Mullins	Phone: 646-248-4208	E-Mail: Judy.Stone@Eurofinset.com		Page: Page 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested: STANDARD			
City: Clifton Park	TAT Requested (days): STANDARD			
State, Zip: NY, 12065				
Phone: 518-402-9625(Tel)	PO #: Callout ID: 139083			
Email: jasmine.mullins@arcadis.com	WO #:			
Project Name: Gladding Corporation #709009	Project #: 48022018			
Site: GLADDING CORDAGE	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	25101_2009 - PFAS, UCMR List	SUBCONTRACT - 522 1,4-Dioxane (Eaton)	524.2_Preserved - 524.2 DW List Edison	Total Number of containers	Special Instructions/Note:
			Preservation Code:				X	N	A		
MW-2	10/13/2020	1610	G	Water	N	N	2	2	3	7	
FIELD BLANK	10/13/2020	1600	G	Water	N	N	2	2	3	7	
Trip Blank	10/13/2020	—	G	~~Water~~	N	N	0	0	2	2	
				~~Water~~							

200-55605 Chain of Custody

AP 10/14/20

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

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

Deliverable Requested: I, II, III, IV, Other (specify) CAT. B & NYSDEC EQUIS

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10/14/2020 1335	ARCADIS		10/14/20 1375	ES-SYR
Relinquished by:	Date/Time: 10/14/20 1900	Company ES-SYR	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/15/20 1040	Company ETA Burl

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

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

39469-434 RIT2 EXP 04/21

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 14OCT20
ACTWGT: 20.00 LB MAN
CAD: 0883373/CAFE3407

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: ARCADIS GLADDING 2 COOLERS

5EDC2/A27E/0582

FedEx Express

1 of 2
TRK# 0201 1870 7198 4976
MASTER

THU - 15 OCT 10:30A
PRIORITY OVERNIGHT

NL BTVA

05403
VT-US BTV

eurofins | Environment Testing TestAmerica

39469-434 RIT2 EXP 04/21

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 14OCT20
ACTWGT: 20.00 LB MAN
CAD: 0883373/CAFE3407

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: ARCADIS GLADDING 2 COOLERS

5EDC2/A27E/0582

FedEx Express

2 of 2
MPS# 0263 1870 7198 4987
Mstr# 1870 7198 4976 0201

THU - 15 OCT 10:30A
PRIORITY OVERNIGHT

NL BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 200-55605-2

Login Number: 55605 **List Source: Eurofins TestAmerica, Burlington**
List Number: 1
Creator: Jaffe, Nat S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	1313491, -492
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2ºC, 1.4ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	JM
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	