

DATA PACKAGE

SUB - DATA

PROJECT NAME : CTO WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : P4366

ATTENTION : Ernie Wu



Cover Page

Order ID : P4366

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number

P4366-01

Client Sample Number

BPOW6-11-HYD-20241008

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 10/30/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



ANALYTICAL REPORT

PREPARED FOR

Attn: Yazmeen Gomez
Chemtech Consulting Group Inc.
284 Sheffield Street
Mountainside NJ 07092

Generated 10/29/2024 8:30 AM

JOB DESCRIPTION

1,4 Dioxane

JOB NUMBER

810-124363-1

Eurofins Eaton Analytical South Bend

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 Eaton Analytical, LLC Project Manager.

Authorization



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10/29/2024 8:30 AM

Authorized for release by
Nathan Trowbridge, Manager of Project Management
Nathan.Trowbridge@et.eurofinsus.com
574 233-4777

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Definitions/Glossary

Client: Chemtech Consulting Group Inc.
Project/Site: 1,4 Dioxane

Job ID: 810-124363-1

Glossary

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

Job Narrative
810-124363-1

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 sample was received on 10/15/2024 1:30 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C.

GC/MS Semi VOA

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

Detection Summary

Client: Chemtech Consulting Group Inc.
Project/Site: 1,4 Dioxane

Job ID: 810-124363-1

Client Sample ID: BPOW6-11-HYD-20241008

Lab Sample ID: 810-124363-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.5		0.070	ug/L	1		522	Total/NA

Client Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: 1,4 Dioxane

Job ID: 810-124363-1

Client Sample ID: BPOW6-11-HYD-20241008
Date Collected: 10/08/24 10:00
Date Received: 10/15/24 13:30

Lab Sample ID: 810-124363-1
Matrix: Drinking Water

Method: EPA 522 - 1,4 Dioxane (GC/MS SIM)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.5		0.070	ug/L		10/16/24 09:09	10/18/24 21:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8 (Surr)	76		70 - 130			10/16/24 09:09	10/18/24 21:11	1

Default Detection Limits

Client: Chemtech Consulting Group Inc.
Project/Site: 1,4 Dioxane

Job ID: 810-124363-1

Method: 522 - 1,4 Dioxane (GC/MS SIM)

Prep: 522

Analyte	RL		Units
1,4-Dioxane	0.070	0.062	ug/L

Surrogate Summary

Client: Chemtech Consulting Group Inc.
Project/Site: 1,4 Dioxane

Job ID: 810-124363-1

Method: 522 - 1,4 Dioxane (GC/MS SIM)

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DXE (70-130)							
810-124363-1	BPOW6-11-HYD-20241008	76							
LCS 810-119074/3-A	Lab Control Sample Method	78							
MBL 810-119074/1-A	Blank	81							

Surrogate Legend

DXE = 1,4-Dioxane-d8 (Surr)

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: 1,4 Dioxane

Job ID: 810-124363-1

Method: 522 - 1,4 Dioxane (GC/MS SIM)

Lab Sample ID: MBL 810-119074/1-A
Matrix: Drinking Water
Analysis Batch: 119495

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119074

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.062		0.070	ug/L		10/16/24 09:09	10/18/24 18:41	1
Surrogate	MBL %Recovery	MBL Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8 (Surr)	81		70 - 130			10/16/24 09:09	10/18/24 18:41	1

Lab Sample ID: LCS 810-119074/3-A
Matrix: Drinking Water
Analysis Batch: 119495

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1.00	0.902		ug/L		90	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,4-Dioxane-d8 (Surr)	78		70 - 130				

QC Association Summary

Client: Chemtech Consulting Group Inc.
Project/Site: 1,4 Dioxane

Job ID: 810-124363-1

GC/MS Semi VOA

Prep Batch: 119074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-124363-1	BPOW6-11-HYD-20241008	Total/NA	Drinking Water	522	
MBL 810-119074/1-A	Method Blank	Total/NA	Drinking Water	522	
LCS 810-119074/3-A	Lab Control Sample	Total/NA	Drinking Water	522	

Analysis Batch: 119495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-124363-1	BPOW6-11-HYD-20241008	Total/NA	Drinking Water	522	119074
MBL 810-119074/1-A	Method Blank	Total/NA	Drinking Water	522	119074
LCS 810-119074/3-A	Lab Control Sample	Total/NA	Drinking Water	522	119074

Lab Chronicle

Client: Chemtech Consulting Group Inc.
Project/Site: 1,4 Dioxane

Job ID: 810-124363-1

Client Sample ID: BPOW6-11-HYD-20241008

Lab Sample ID: 810-124363-1

Date Collected: 10/08/24 10:00

Matrix: Drinking Water

Date Received: 10/15/24 13:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	522			119074	LB	EA SB	10/16/24 09:09
Total/NA	Analysis	522		1	119495	KO	EA SB	10/18/24 21:11

Laboratory References:

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

Accreditation/Certification Summary

Client: Chemtech Consulting Group Inc.
Project/Site: 1,4 Dioxane

Job ID: 810-124363-1

Laboratory: Eurofins Eaton Analytical South Bend

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

Authority	Program	Identification Number	Expiration Date
A2LA	ISO/IEC 17025	5794.01	07-31-26
Alabama	State	40700	06-30-25
Alaska	State	IN00035	06-30-25
Arizona	State	AZ0432	07-26-25
Arkansas (DW)	State	EPA IN00035	06-30-25
California	State	2920	06-30-25
Colorado	State	IN00035	02-28-25
Connecticut	State	PH-0132	03-31-26
Delaware (DW)	State	IN00035	06-30-25
Florida	NELAP	E87775	06-30-25
Georgia (DW)	State	929	06-30-25
Guam	State	23-011R	07-15-25
Hawaii	State	IN035	06-30-25
Idaho (DW)	State	IN00035	12-31-24
IL Dept. of Public Health (Micro)	State	17767	06-30-25
Illinois	NELAP	200001	09-30-25
Indiana	State	C-71-01	12-31-25
Indiana (Micro)	State	M-76-07	12-31-25
Iowa	State	IA Lab #098	11-01-25
Kansas	NELAP	E-10233	10-31-24
Kentucky (DW)	State	KY90056	12-31-24
Louisiana (DW)	State	LA014	12-31-24
Maine	State	IN00035	05-01-25
Maryland	State	209	10-21-24
Massachusetts	State	M-IN035	06-30-25
MI - RadChem Recognition	State	9926	03-22-25
Michigan	State	9926	03-22-25
Minnesota	NELAP	1989807	12-31-24
Mississippi	State	IN00035	06-30-25
Missouri	State	880	09-30-27
Montana (DW)	State	CERT0026	01-01-25
Nebraska	State	NE-OS-05-04	06-30-25
Nevada	State	IN000352024-01	07-31-25
New Hampshire	NELAP	2124	11-05-24
New Jersey	NELAP	IN598	06-30-25
New Mexico	State	IN00035	06-30-25
New York	NELAP	11398	04-01-25

Eurofins Eaton Analytical South Bend

Accreditation/Certification Summary

Client: Chemtech Consulting Group Inc.
Project/Site: 1,4 Dioxane

Job ID: 810-124363-1

Laboratory: Eurofins Eaton Analytical South Bend (Continued)

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

Authority	Program	Identification Number	Expiration Date
North Carolina (DW)	State	18700	07-31-25
North Dakota	State	R-035	06-30-24 *
Northern Mariana Islands (DW)	State	IN00035	06-30-25
Ohio	State	87775	06-30-25
Oklahoma	NELAP	D9508	10-20-24
Oregon	NELAP	4156	09-16-25
Pennsylvania	NELAP	68-00466	04-30-25
Puerto Rico	State	IN00035	04-01-25
Rhode Island	State	LAO00343	12-30-24
South Carolina	State	95005001	06-30-24 *
South Dakota (DW)	State	IN00035	06-30-25
Tennessee	State	TN02973	06-30-25
Texas	NELAP	T104704187-22-16	12-31-24
Texas	TCEQ Water Supply	TX207	06-30-25
USEPA UCMR 5	US Federal Programs	IN00035	12-31-25
Utah	NELAP	IN00035	07-31-25
Vermont	State	VT-8775	11-15-24
Virginia	NELAP	460275	03-14-25
Washington	State	C837	01-01-25
West Virginia (DW)	State	9927 C	01-31-25
Wisconsin	State	999766900	08-31-25
Wisconsin (Micro)	State	10121	12-31-24
Wyoming	State	8TMS-L	06-30-25

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

Eurofins Eaton Analytical South Bend

Method Summary

Client: Chemtech Consulting Group Inc.
Project/Site: 1,4 Dioxane

Job ID: 810-124363-1

Method	Method Description	Protocol	Laboratory
522	1,4 Dioxane (GC/MS SIM)	EPA	EA SB
522	Solid-Phase Extraction (SPE)	EPA	EA SB

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

Sample Summary

Client: Chemtech Consulting Group Inc.
Project/Site: 1,4 Dioxane

Job ID: 810-124363-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-124363-1	BPOW6-11-HYD-20241008	Drinking Water	10/08/24 10:00	10/15/24 13:30

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-124363-1
SDG No.: _____
Instrument ID: GCMS-DM Analysis Batch Number: 119495
Lab Sample ID: ICV 810-118678/34-A Client Sample ID: _____
Date Analyzed: 10/18/24 17:52 Lab File ID: ICV.D GC Column: CPSelect 624 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.32	Incomplete Integration	JH8B	10/28/24 15:47

Lab Sample ID: MBL 810-119074/1-A Client Sample ID: _____
Date Analyzed: 10/18/24 18:41 Lab File ID: MBL.D GC Column: CPSelect 624 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane		Invalid Compound ID	JH8B	10/25/24 12:51

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-124363-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
522 IS SS_00213	10/25/24	10/11/24	MeCl2, Lot EF755-US	2 mL	522 IS Stock_00029	200 uL	Tetrahydrofuran-d8	100 ug/mL
.522 IS Stock_00029	03/17/28	10/11/24	Methanol, Lot na	1 mL	522-IS-Stock_00008	1 mL	Tetrahydrofuran-d8	1000 ug/mL
..522-IS-Stock_00008	10/25/28	Absolute Standards Inc., Lot 102523			(Purchased Reagent)		Tetrahydrofuran-d8	1000 ug/mL
522-Sur-SS_00112	04/14/25	10/14/24	Methanol, Lot 23I0762004	2 mL	522-SUR-Stock_00020	100 uL	1,4-Dioxane-d8 (Surr)	100 ug/mL
.522-SUR-Stock_00020	02/28/26	06/27/24		1 mL	522-SUR-Stock_00011	1 mL	1,4-Dioxane-d8 (Surr)	2000 ug/mL
..522-SUR-Stock_00011	02/28/26	Restek, Lot A0195206			(Purchased Reagent)		1,4-Dioxane-d8 (Surr)	2000 ug/mL
O-522 CalM_00014	03/27/25	09/27/24	Methanol, Lot 22L0562016	2 mL	522 AnalyteST_00002	10 uL	1,4-Dioxane	10 ug/mL
.522 AnalyteST_00002	05/31/26	04/11/22	Methanol, Lot na	1 mL	522-Analyte_00003	1 mL	1,4-Dioxane	2000 ug/mL
..522-Analyte_00003	05/31/26	Restek, Lot A0172836			(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
O-522-CalH_00011	11/01/24	05/01/24	Methanol, Lot 22L0562016	2 mL	522 AnalyteST_00002	100 uL	1,4-Dioxane	100 ug/mL
.522 AnalyteST_00002	05/31/26	04/11/22	Methanol, Lot na	1 mL	522-Analyte_00003	1 mL	1,4-Dioxane	2000 ug/mL
..522-Analyte_00003	05/31/26	Restek, Lot A0172836			(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
O-522-QCS-Sub_00007	12/02/24	08/29/24	Methanol, Lot 23I0762004	2 mL	522-QCS_00001	20 uL	1,4-Dioxane	10 ug/mL
.522-QCS_00001	12/02/24	AccuStandard, Lot 214121041			(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
O-522BFBSUB_00015	01/14/25	10/14/24	MeCl2, Lot EI661-US	2 mL	o-522-bfb_00004	2 uL	BFB	2.005 ug/mL
.o-522-bfb_00004	09/30/28	07/21/22	METHANOL, Lot NA	1 mL	O-522-BFB_00003	1 mL	BFB	2005 ug/mL
..O-522-BFB_00003	09/30/28	Agilent, Lot 6629793			(Purchased Reagent)		BFB	2005 ug/mL
O522-CalL_00014	11/01/24	08/19/24	Methanol, Lot 23I0762004	2 mL	O-522-CalH_00011	20 uL	1,4-Dioxane	1 ug/mL
.O-522-CalH_00011	11/01/24	05/01/24	Methanol, Lot 22L0562016	2 mL	522 AnalyteST_00002	100 uL	1,4-Dioxane	100 ug/mL
..522 AnalyteST_00002	05/31/26	04/11/22	Methanol, Lot na	1 mL	522-Analyte_00003	1 mL	1,4-Dioxane	2000 ug/mL
...522-Analyte_00003	05/31/26	Restek, Lot A0172836			(Purchased Reagent)		1,4-Dioxane	2000 ug/mL

Reagent

522-Analyte_00003



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30287 Lot No.: A0172836
Description : 1,4-Dioxane Standard
1,4-Dioxane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : May 31, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	1,4-Dioxane CAS # 123-91-1 Purity 99% (Lot SHBM5092)	2,019.2 µg/mL	+/- 11.8498	µg/mL	Gravimetric	
			+/- 43.2613	µg/mL	Unstressed	
			+/- 44.5173	µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Rec'd: 12/14/2021 Hms

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

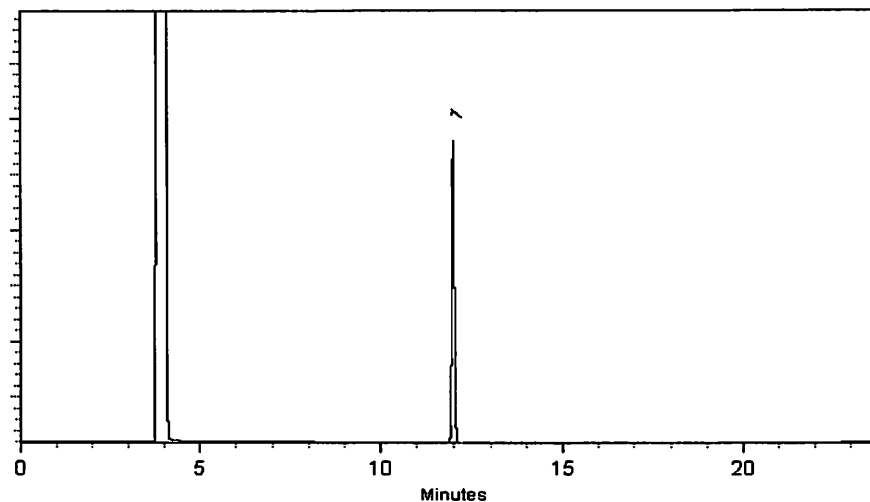
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

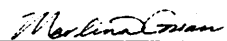
Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Walker Workman - Operations Technician I

Date Mixed: 27-May-2021 Balance: 1128360905


Marlene Cowan - Operations Tech I

Date Passed: 01-Jun-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

522-IS-Stock_00008



CERTIFIED WEIGHT REPORT

Part Number: **72261**
 Lot Number: **102523**
 Description: **Tetrahydrofuran-d8**

Solvent(s):
 Methanol
 Lot#: EG359-US

Recd 03/08/2024 Hmk

<i>Eli Allaga</i>		102523
Formulated By:	Eli Allaga	DATE
<i>Pedro L. Rentas</i>		102523
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 102528

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 1000

NIST Test ID#: 6UTB

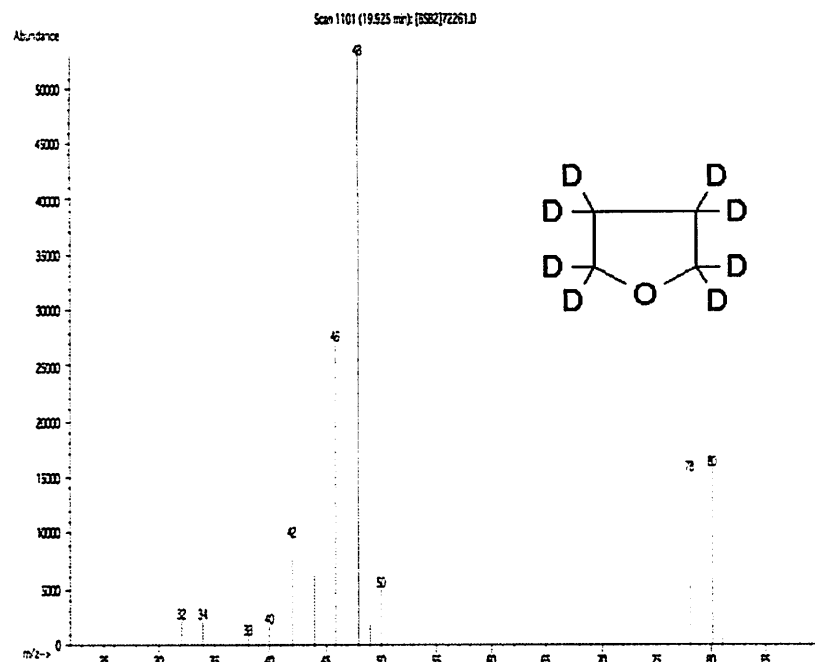
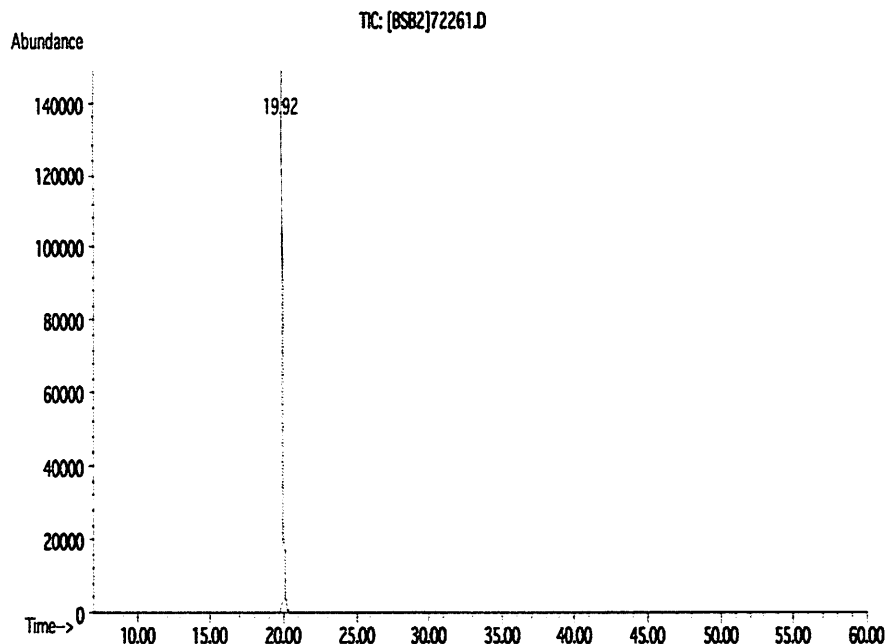
5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

0.021 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Tetrahydrofuran-d8	2261	I-24862H	1000	99.6	0.2	0.10045	0.10054	1000.9	4.2	1693-74-9	N/A	N/A

Method: GC6MSD-1. Detector: MSD (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1=35°C (10 min.), Temp. 2=200°C (8.75 min.), Rate=4°C/min., Injector Temp.=200°C, Detector Temp.=200°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

522-QCS_00001

125 Market Street
New Haven, CT 06513
USA



AccuStandard®, Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: APP-9-096-10X

Description: p-Dioxane Standard

Lot: 214121041

Solvent: Methanol

Hazards: **HIGHLY FLAMMABLE** - Refer to SDS for safety info

Date Certified: Dec 2, 2014

Expiration: Dec 2, 2024

Sample Size: 1 mL

Components: 1

Storage Condition: Ambient (>5 °C)

Included on ISO/IEC 17025 Scope of Accreditation: Yes

Included on ISO Guide 34 Scope of Accreditation: Yes



Danger 2

Component	CAS #	Purity %	Prepared Concentration ¹	Certified Analyte Concentration ²
		(MFG)	(µg/mL)	(µg/mL)
p-Dioxane	123-91-1	99.0	1005	995

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

¹ All weights are traceable through NIST, Test No. 822-275872-11

² Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values:

A comma (,) is used to separate units of one-thousand or greater.

A period (.) is used as a decimal place marker.

See reverse side for additional information

Certified By:

Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

AccuStandard is accredited to ISO Guide 34, ISO/IEC 17025 and certified to ISO 9001

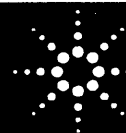
OR-ORG/NO-001
Rev. 7/11

Reagent

O-522-BFB_00003

Recd at 07/06/2022
07/06/2022
HMS

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: 4-Bromofluorobenzene Standard

Lot Number: 0006629793

Product Number: STS-110N-1

Lot Issue Date: 10-Aug-2021

Storage Conditions: Store Frozen (-25° to -10°C).

Expiration Date: 30-Sep-2028

Component Name	CERTIFIED VALUES		CAS#	Analyte Lot
	Concentration	Expanded Uncertainty		
4-bromofluorobenzene	2000	± 10 µg/mL	000460-00-4	RM12184

Matrix: methanol (methyl alcohol)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

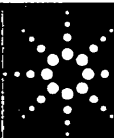
Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

ISO 17034



Agilent

Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:



Monica Bourgeois

QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1



ISO 17025 Cert
No. AT-1937

Method 522

1,4 Dioxane (GC/MS SIM) by Method
522

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-124363-1

SDG No.: _____

Matrix: Drinking Water Level: Low

GC Column (1): CPSelect 62 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DXE #
BPOW-11-HYD-20241008	810-124363-1	76
	LCS 810-119074/3-A	78
	MBL 810-119074/1-A	81

DXE = 1,4-Dioxane-d8 (Surr)

QC LIMITS
70-130

Column to be used to flag recovery values

FORM II 522

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Eaton Analytical South Job No.: 810-124363-1
Bend

SDG No.:

Matrix: Drinking Water Level: Low Lab File ID: LCS.D

Lab ID: LCS 810-119074/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	1.00	0.902	90	70-130	

Column to be used to flag recovery and RPD values

FORM III 522

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Eaton Analytical South Bend
Job No.: 810-124363-1
SDG No.:
Lab File ID: MBL.D
Lab Sample ID: MBL 810-119074/1-A
Matrix: Drinking Water
Date Extracted: 10/16/2024 09:09
Instrument ID: GCMS-DM
Date Analyzed: 10/18/2024 18:41
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 810-119074/3-A	LCS.D	10/18/2024 19:31
BPOW-11-HYD-20241008	810-124363-1	810-124363-A-1-A.D	10/18/2024 21:11

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-124363-1

SDG No.:

Lab File ID: BFB 2.D BFB Injection Date: 10/18/2024

Instrument ID: GCMS-DM BFB Injection Time: 13:03

Analysis Batch No.: 119495

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	23.0
75	30.0 - 80.0 % of mass 95	53.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.5
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	>50.0 % of mass 95	73.3
175	5.0 - 9.0 % of mass 174	5.9 (8.0) 1
176	>95.0 but <101.0 % of mass 174	71.9 (98.1) 1
177	5.0 - 9.0 % of mass 176	4.8 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 810-118678/25-A	IC1.D	10/18/2024	13:19
	IC 810-118678/26-A	IC2.D	10/18/2024	13:44
	IC 810-118678/27-A	IC3.D	10/18/2024	14:09
	IC 810-118678/28-A	IC4.D	10/18/2024	14:34
	ICISAV 810-118678/29-A	ICISAV.D	10/18/2024	14:59
	IC 810-118678/30-A	IC6 .D	10/18/2024	15:24
	IC 810-118678/31-A	IC7.D	10/18/2024	15:49
	IC 810-118678/32-A	IC8.D	10/18/2024	16:13
	IC 810-118678/33-A	IC9.D	10/18/2024	16:38
	CCVLIS 810-119146/1-A	CCVLIS.D	10/18/2024	17:27
	ICV 810-118678/34-A	ICV.D	10/18/2024	17:52
	MBL 810-119074/1-A	MBL.D	10/18/2024	18:41
	LCS 810-119074/3-A	LCS.D	10/18/2024	19:31
BPOW-11-HYD-20241008	810-124363-1	810-124363-A-	10/18/2024	21:11
	CCVIS 810-119146/2-A	CCVM.D	10/18/2024	23:42
	CCV 810-119146/3-A	CCVH.D	10/19/2024	4:44

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Eaton Analytical South Job No.: 810-124363-1
Bend

SDG No.:

Instrument I GCMS-DM Calibration Start Date: 10/18/2024 13:19

GC Column: CPSelect 624 MS ID: 0.25 (mm) Calibration End Date: 10/18/2024 16:38

Calibration ID: 13554

		THFd8					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		69179	6.12				
UPPER LIMIT		103769	6.62				
LOWER LIMIT		34590	5.62				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVLIS 810-119146/1-A		77235	6.12				
ICV 810-118678/34-A		71261	6.12				
MBL 810-119074/1-A		73128	6.12				
LCS 810-119074/3-A		73222	6.12				
810-124363-1	BPOW-11-HYD-2024100 8	68110	6.12				
CCVIS 810-119146/2-A		76823	6.12				
CCV 810-119146/3-A		75663	6.12				

THFd8 = Tetrahydrofuran-d8

Area Limit = 50%-150% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Eaton Analytical South Job No.: 810-124363-1
Bend
SDG No.:
Sample No.: CCVLIS 810-119146/1-A Date Analyzed: 10/18/2024 17:27
Instrument ID: GCMS-DM GC Column: CPSelect 624 MS ID: 0.25 (mm)
Lab File ID (Standard): CCVLIS.D Heated Purge: (Y/N) N
Calibration ID: 13554

		THFd8					
		AREA #	RT #	#	RT #	#	RT #
Low Level 12/24 HOUR STD		77235	6.12				
UPPER LIMIT		100406	6.62				
LOWER LIMIT		54065	5.62				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 810-118678/34-A		71261	6.12				
MBL 810-119074/1-A		73128	6.12				
LCS 810-119074/3-A		73222	6.12				
810-124363-1	BPOW-11-HYD-2024100 8	68110	6.12				
CCVIS 810-119146/2-A		76823	6.12				

THFd8 = Tetrahydrofuran-d8

Area Limit = 70%-130% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Eaton Analytical South Job No.: 810-124363-1
Bend
SDG No.:
Sample No.: CCVIS 810-119146/2-A Date Analyzed: 10/18/2024 23:42
Instrument ID: GCMS-DM GC Column: CPSelect 624 MS ID: 0.25 (mm)
Lab File ID (Standard): CCVM.D Heated Purge: (Y/N) N
Calibration ID: 13554

		THFd8					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		76823	6.12				
UPPER LIMIT		99870	6.62				
LOWER LIMIT		53776	5.62				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 810-119146/3-A		75663	6.12				

THFd8 = Tetrahydrofuran-d8

Area Limit = 70%-130% of internal standard area
RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Eaton Analytical South Bend	Job No.: 810-124363-1
SDG No.:	
Client Sample ID: BPOW6-11-HYD-20241008	Lab Sample ID: 810-124363-1
Matrix: Drinking Water	Lab File ID: 810-124363-A-1-A.D
Analysis Method: 522	Date Collected: 10/08/2024 10:00
Extract. Method: 522	Date Extracted: 10/16/2024 09:09
Sample wt/vol: 100 (mL)	Date Analyzed: 10/18/2024 21:11
Con. Extract Vol.: 2 (mL)	Dilution Factor: 1
Injection Volume: 1 (uL)	GC Column: CPSelect 624 MS ID: 0.25 (mm)
% Moisture: % Solids:	GPC Cleanup: (Y/N) N
Cleanup Factor:	Level: (low/med) Low
Analysis Batch No.: 119495	Units: ug/L
Preparation Batch No.: 119074	Instrument ID: GCMS-DM

CAS NO.	COMPOUND NAME	RESULT	Q	RL
123-91-1	1,4-Dioxane	1.5		0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	76		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\810-124363-A-1-A.D
Lims ID: 810-124363-A-1-A
Client ID: BPOW6-11-HYD-20241008
Sample Type: Client
Inject. Date: 18-Oct-2024 21:11:27 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0030523-020
Misc. Info.: 810-124363-A-1-A
Operator ID: TD Instrument ID: GCMS-DM
Raw Data: Smoothed
Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
Limit Group: MSS - 522
Last Update: 28-Oct-2024 15:18:39 Calib Date: 18-Oct-2024 16:38:31
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: JH8B

Date: 28-Oct-2024 15:19:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	25	68110	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	38754	381.6	
11 1,4-Dioxane	88	8.316	8.315	0.001	85	6812	76.9	

QC Flag Legend

Processing Flags

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\810-124363-A-1-A.D

Injection Date: 18-Oct-2024 21:11:27

Instrument ID: GCMS-DM

Lims ID: 810-124363-A-1-A

Lab Sample ID: 810-124363-1

Client ID: BPOW6-11-HYD-20241008

Operator ID: TD

ALS Bottle#: 0

Worklist Smp#: 20

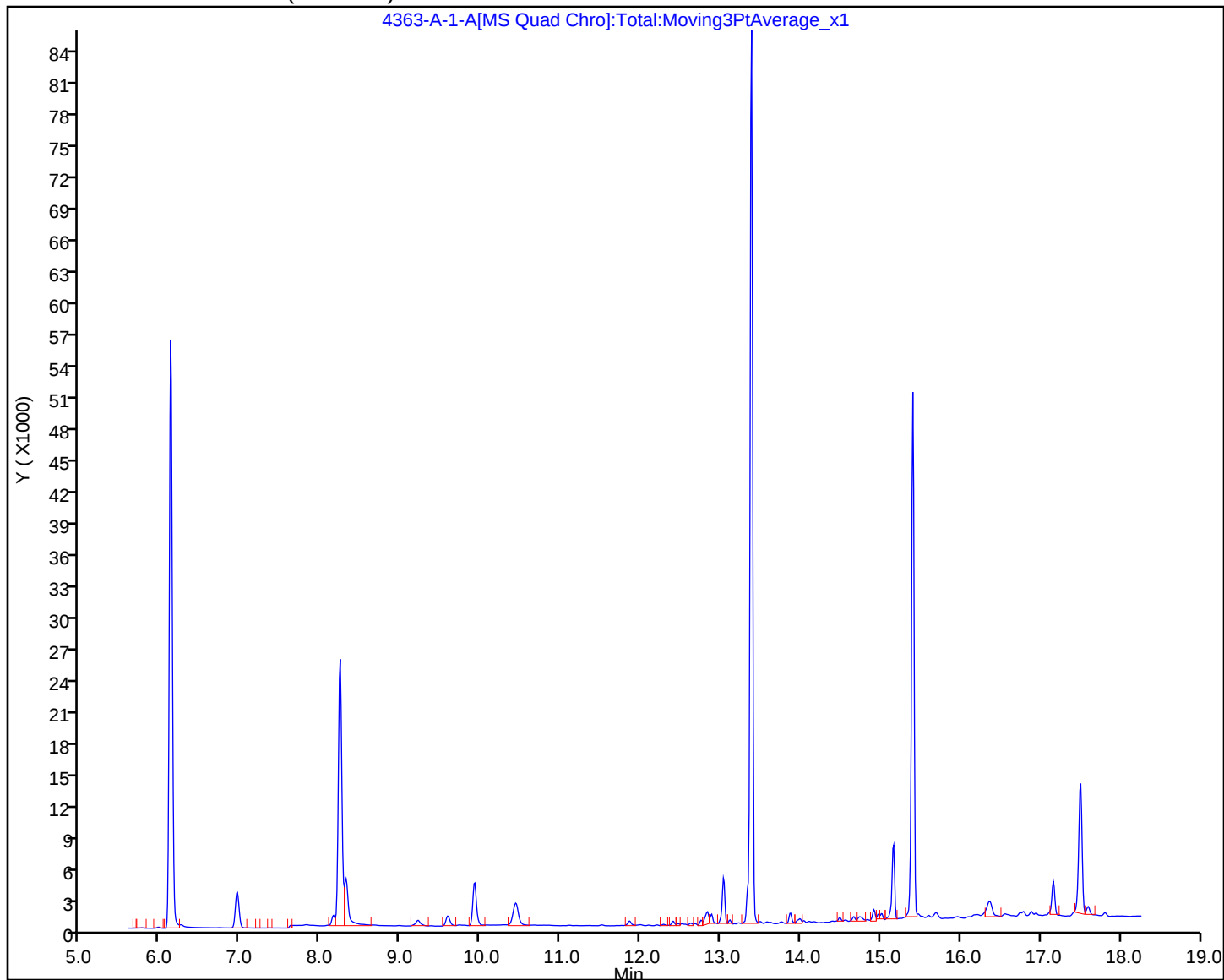
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 522_GCMS-DM

Limit Group: MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend
Recovery Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\810-124363-A-1-A.D
Lims ID: 810-124363-A-1-A
Client ID: BPOW6-11-HYD-20241008
Sample Type: Client
Inject. Date: 18-Oct-2024 21:11:27 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0030523-020
Misc. Info.: 810-124363-A-1-A
Operator ID: TD Instrument ID: GCMS-DM
Raw Data: Smoothed
Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
Limit Group: MSS - 522
Last Update: 28-Oct-2024 15:18:39 Calib Date: 18-Oct-2024 16:38:31
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: JH8B

Date: 28-Oct-2024 15:19:21

Compound	Amount Added	Amount Recovered	% Rec.
\$ 9 1,4-Dioxane-d8 (Surr)	500.0	381.6	76.31

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\810-124363-A-1-A.D

Injection Date: 18-Oct-2024 21:11:27

Instrument ID: GCMS-DM

Lims ID: 810-124363-A-1-A

Lab Sample ID: 810-124363-1

Client ID: BPOW6-11-HYD-20241008

Operator ID: TD

ALS Bottle#: 0

Worklist Smp#: 20

Injection Vol: 1.0 ul

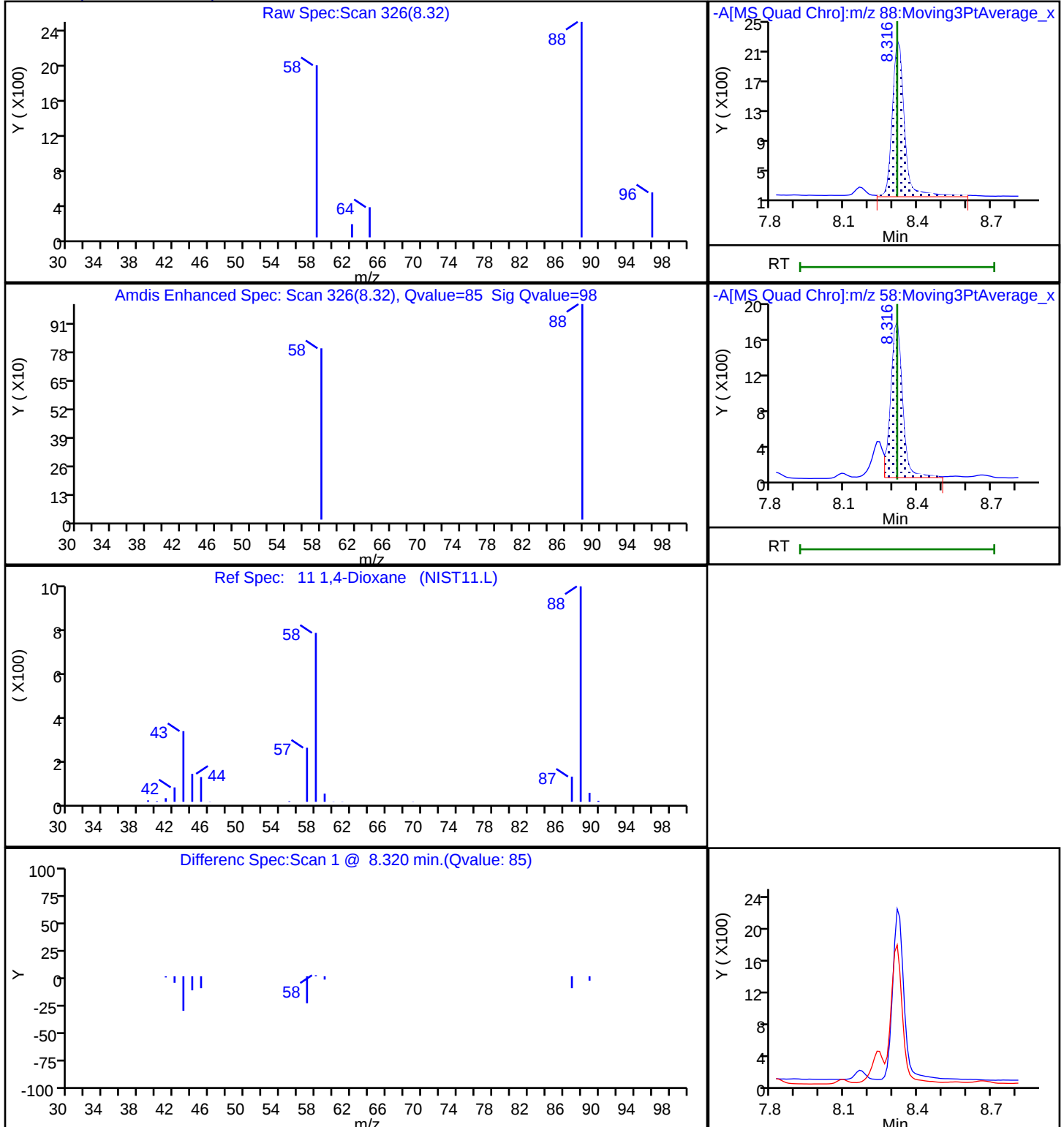
Dil. Factor: 1.0000

Method: 522_GCMS-DM

Limit Group: MSS - 522

Column: CP Select 624 MS (0.25 mm)

Detector: MS Quad

11 1,4-Dioxane, CAS: 123-91-1

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Eaton Analytical South Job No.: 810-124363-1 Analy Batch No.: 119495
Bend

SDG No.:

Instrument ID: GCMS-DM GC Column: CPSelect 62 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/18/2024 13:19 Calibration End Date: 10/18/2024 16:38 Calibration ID: 13554

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 810-118678/25-A	IC1.D
Level 2	IC 810-118678/26-A	IC2.D
Level 3	IC 810-118678/27-A	IC3.D
Level 4	IC 810-118678/28-A	IC4.D
Level 5	ICISAV 810-118678/29-A	ICISAV.D
Level 6	IC 810-118678/30-A	IC6 .D
Level 7	IC 810-118678/31-A	IC7.D
Level 8	IC 810-118678/32-A	IC8.D
Level 9	IC 810-118678/33-A	IC9.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
1,4-Dioxane	0.7734	0.6861	0.6804	0.7488	0.7333	Lin1	0.812	0.639				13.6					
	0.7734	0.6426	0.6273	0.6307			2	7									
1,4-Dioxane-d8 (Surr)	0.7277	0.7600	0.7339	0.7363	0.7412	Ave		0.745				2.0		30.0			
	0.7778	0.7444	0.7468	0.7422				6									

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-124363-1 Analy Batch No.: 119495
SDG No.:
Instrument ID: GCMS-DM GC Column: CPSelect 6 ID: 0.25(mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/18/2024 13:19 Calibration End Date: 10/18/2024 16:38 Calibration ID: 13554

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 810-118678/25-A	IC1.D
Level 2	IC 810-118678/26-A	IC2.D
Level 3	IC 810-118678/27-A	IC3.D
Level 4	IC 810-118678/28-A	IC4.D
Level 5	ICISAV 810-118678/29-A	ICISAV.D
Level 6	IC 810-118678/30-A	IC6 .D
Level 7	IC 810-118678/31-A	IC7.D
Level 8	IC 810-118678/32-A	IC8.D
Level 9	IC 810-118678/33-A	IC9.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	THFd8	Lin1	383 10710	506 21264	979 42640	2427 85949	5119	3.50 100	5.00 250	10.0 500	25.0 1000	50.0
1,4-Dioxane-d8 (Surr)	THFd8	Ave	51485 53851	56048 49259	52802 50768	47733 50575	51748	500 500	500 500	500 500	500 500	500

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-124363-1 Analy Batch No.: 119495
SDG No.: _____
Instrument ID: GCMS-DM GC Column: CPSelect 62 ID: 0.25(mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/18/2024 13:19 Calibration End Date: 10/18/2024 16:38 Calibration ID: 13554

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 810-118678/25-A	IC1.D
Level 2	IC 810-118678/26-A	IC2.D
Level 3	IC 810-118678/27-A	IC3.D
Level 4	IC 810-118678/28-A	IC4.D
Level 5	ICISAV 810-118678/29-A	ICISAV.D
Level 6	IC 810-118678/30-A	IC6 .D
Level 7	IC 810-118678/31-A	IC7.D
Level 8	IC 810-118678/32-A	IC8.D
Level 9	IC 810-118678/33-A	IC9.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #				LVL 7	LVL 8	LVL 9			
1,4-Dioxane	-15.4	-18.1	-6.3	12.0	12.1	19.6	40	20	20	20	20	20
	-0.1	-2.2	-1.5				20	20	20			

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC1.D
Lims ID: IC 810-118678/25-A
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-Oct-2024 13:19:10 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0030523-003
Misc. Info.: IC 810-118678/25-A
Operator ID: TD Instrument ID: GCMS-DM
Sublist: chrom-522_GCMS-DM*sub1
Raw Data: Smoothed
Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
Limit Group: MSS - 522
Last Update: 21-Oct-2024 10:11:31 Calib Date: 18-Oct-2024 16:38:31
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1616

First Level Reviewer: JH8B

Date: 21-Oct-2024 09:23:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	25	70748	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	51485	500.0	488.0	
11 1,4-Dioxane	88	8.315	8.315	0.000	83	383	3.50	2.96	

QC Flag Legend

Processing Flags

Report Date: 21-Oct-2024 10:11:31

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC1.D

Injection Date: 18-Oct-2024 13:19:10

Instrument ID: GCMS-DM

Lims ID: IC 810-118678/25-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

3

Injection Vol: 1.0 ul

Dil. Factor:

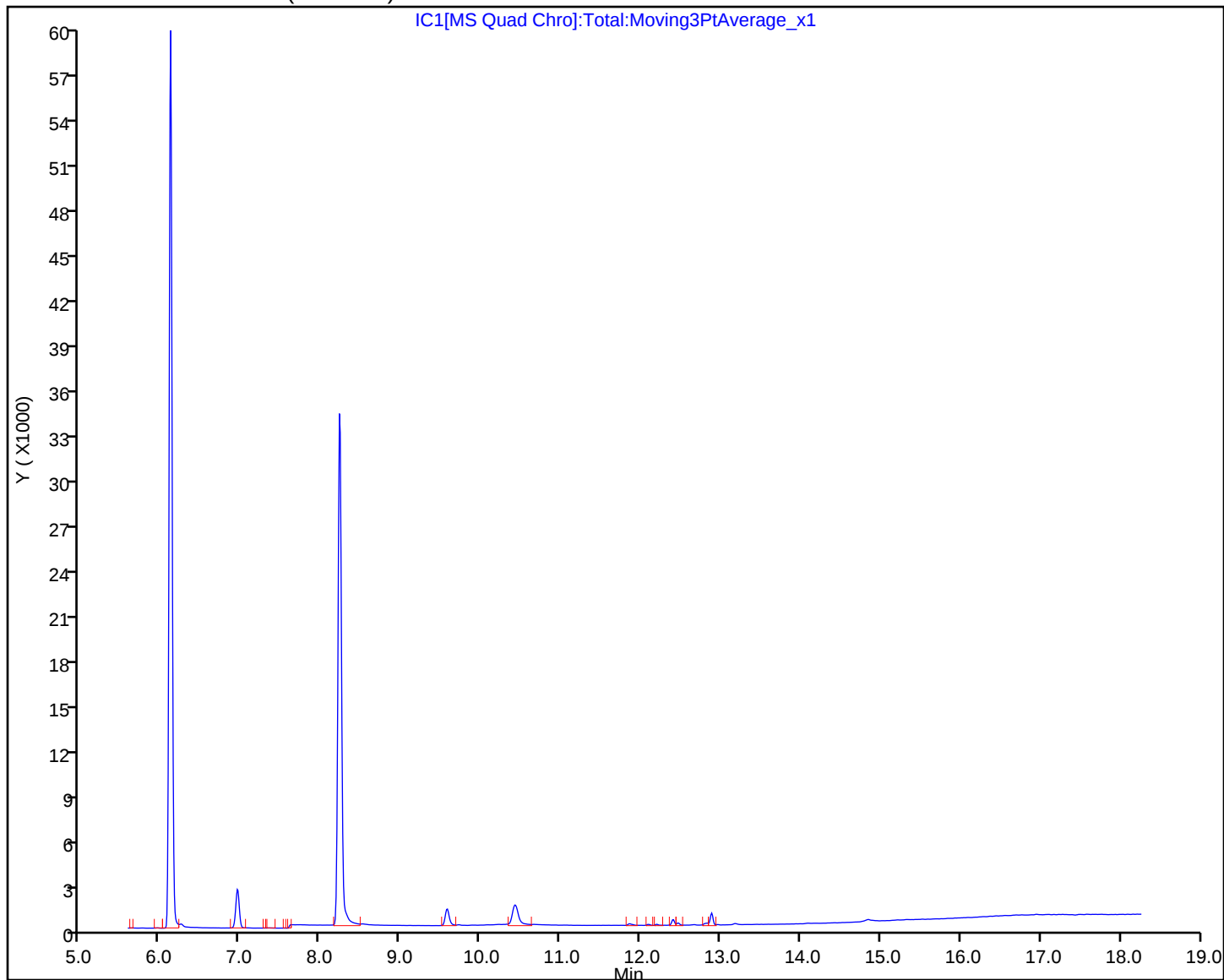
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC2.D
 Lims ID: IC 810-118678/26-A
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 18-Oct-2024 13:44:15 ALS Bottle#: 0 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 810-0030523-004
 Misc. Info.: IC 810-118678/26-A
 Operator ID: TD Instrument ID: GCMS-DM
 Sublist: chrom-522_GCMS-DM*sub1
 Raw Data: Smoothed
 Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
 Limit Group: MSS - 522
 Last Update: 21-Oct-2024 10:11:32 Calib Date: 18-Oct-2024 16:38:31
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
 Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
 Process Host: CTX1616

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	26	73745	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	56048	500.0	509.7	
11 1,4-Dioxane	88	8.316	8.315	0.001	85	506	5.00	4.09	

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC2.D

Injection Date: 18-Oct-2024 13:44:15

Instrument ID: GCMS-DM

Lims ID: IC 810-118678/26-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

4

Injection Vol: 1.0 ul

Dil. Factor:

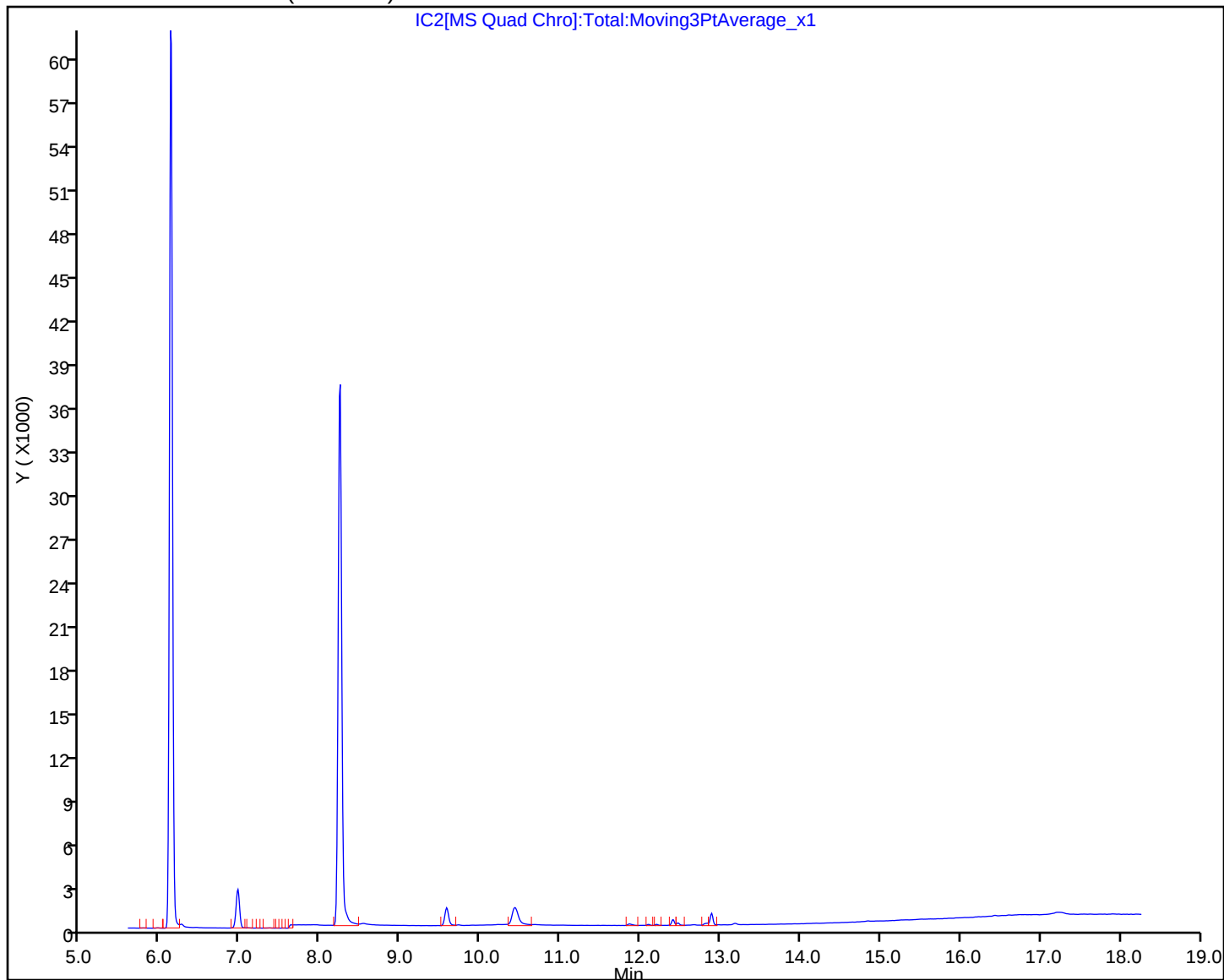
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC3.D
 Lims ID: IC 810-118678/27-A
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 18-Oct-2024 14:09:27 ALS Bottle#: 0 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 810-0030523-005
 Misc. Info.: IC 810-118678/27-A
 Operator ID: TD Instrument ID: GCMS-DM
 Sublist: chrom-522_GCMS-DM*sub1
 Raw Data: Smoothed
 Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
 Limit Group: MSS - 522
 Last Update: 21-Oct-2024 10:11:33 Calib Date: 18-Oct-2024 16:38:31
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
 Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
 Process Host: CTX1616

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	25	71945	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	52802	500.0	492.2	
11 1,4-Dioxane	88	8.315	8.315	0.000	85	979	10.0	9.37	

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC3.D

Injection Date: 18-Oct-2024 14:09:27

Instrument ID: GCMS-DM

Lims ID: IC 810-118678/27-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

5

Injection Vol: 1.0 ul

Dil. Factor:

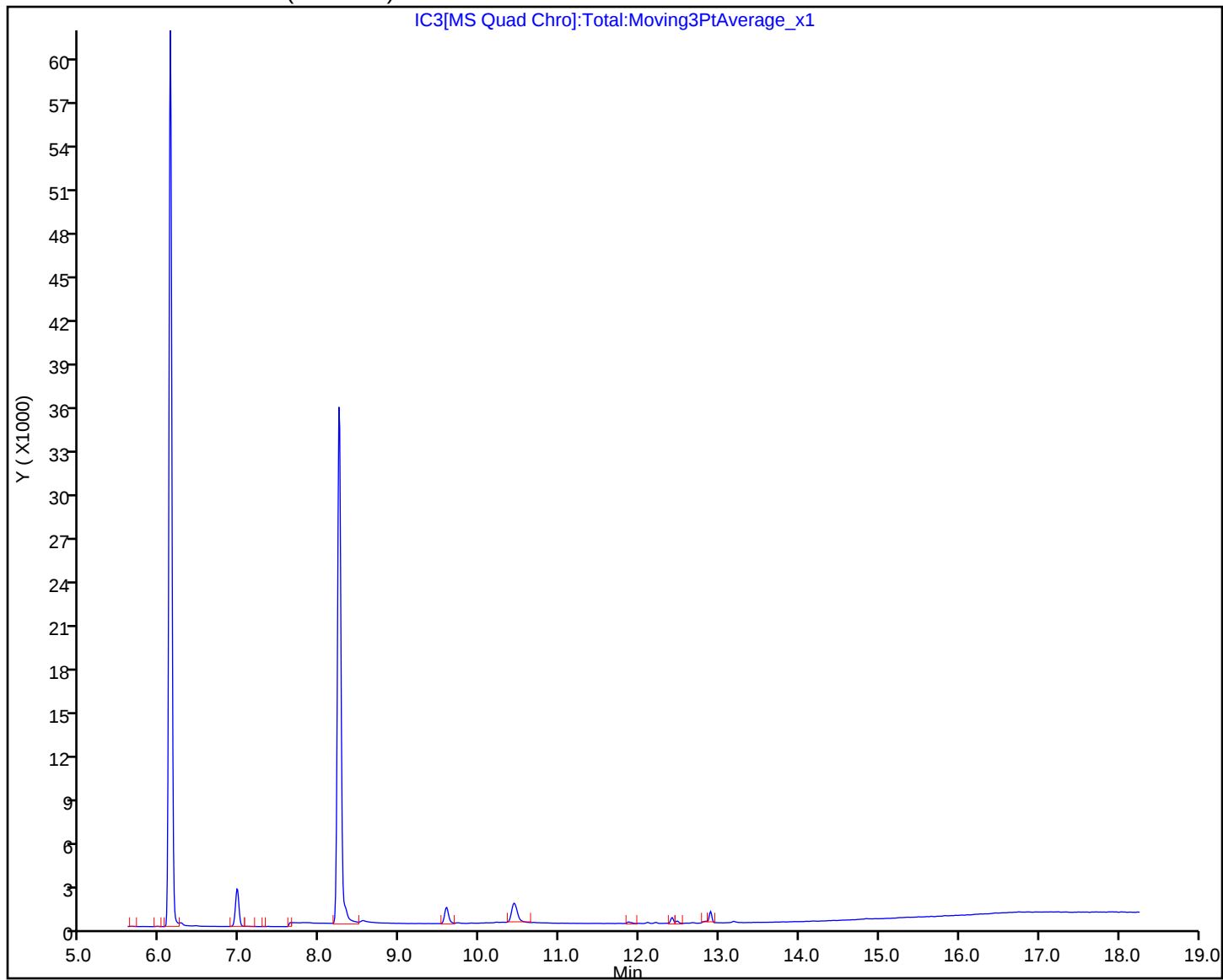
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC4.D
 Lims ID: IC 810-118678/28-A
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 18-Oct-2024 14:34:18 ALS Bottle#: 0 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 810-0030523-006
 Misc. Info.: IC 810-118678/28-A
 Operator ID: TD Instrument ID: GCMS-DM
 Sublist: chrom-522_GCMS-DM*sub1
 Raw Data: Smoothed
 Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
 Limit Group: MSS - 522
 Last Update: 21-Oct-2024 10:11:34 Calib Date: 18-Oct-2024 16:38:31
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
 Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
 Process Host: CTX1616

First Level Reviewer: JH8B

Date: 21-Oct-2024 09:23:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.114	6.122	-0.008	26	64828	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	47733	500.0	493.8	
11 1,4-Dioxane	88	8.316	8.315	0.001	84	2427	25.0	28.0	

QC Flag Legend

Processing Flags

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC4.D

Injection Date: 18-Oct-2024 14:34:18

Instrument ID: GCMS-DM

Lims ID: IC 810-118678/28-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

6

Injection Vol: 1.0 ul

Dil. Factor:

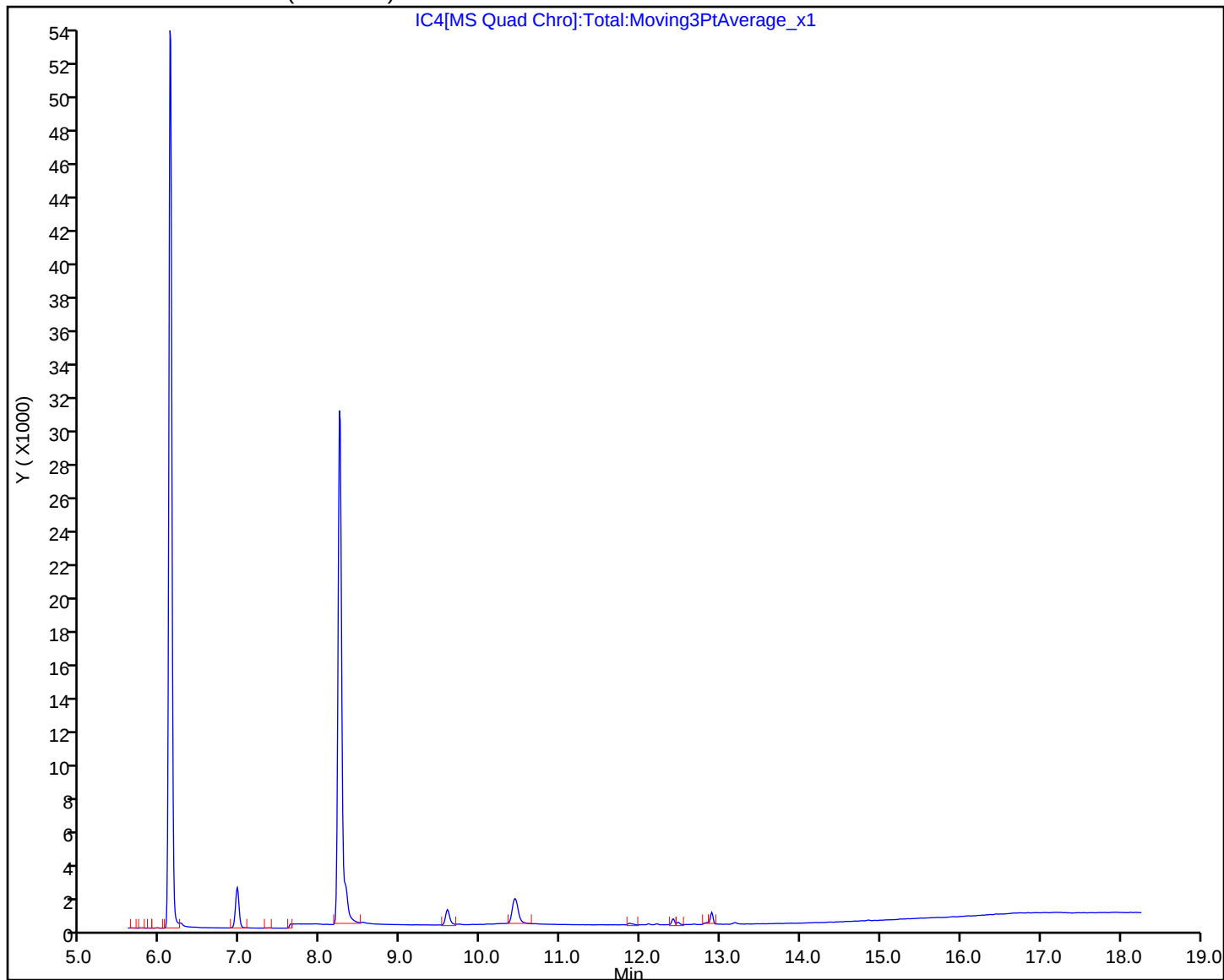
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\ICISAV.D
Lims ID: ICISAV 810-118678/29-A
Client ID:
Sample Type: ICISAV Calib Level: 5
Inject. Date: 18-Oct-2024 14:59:16 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0030523-007
Misc. Info.: ICISAV 810-118678/29-A
Operator ID: TD Instrument ID: GCMS-DM
Sublist: chrom-522_GCMS-DM*sub1
Raw Data: Smoothed
Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
Limit Group: MSS - 522
Last Update: 21-Oct-2024 10:11:35 Calib Date: 18-Oct-2024 16:38:31
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1616

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	26	69812	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	51748	500.0	497.1	
11 1,4-Dioxane	88	8.315	8.315	0.000	85	5119	50.0	56.0	

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\ICISAV.D

Injection Date: 18-Oct-2024 14:59:16

Instrument ID: GCMS-DM

Lims ID: ICISAV 810-118678/29-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

7

Injection Vol: 1.0 ul

Dil. Factor:

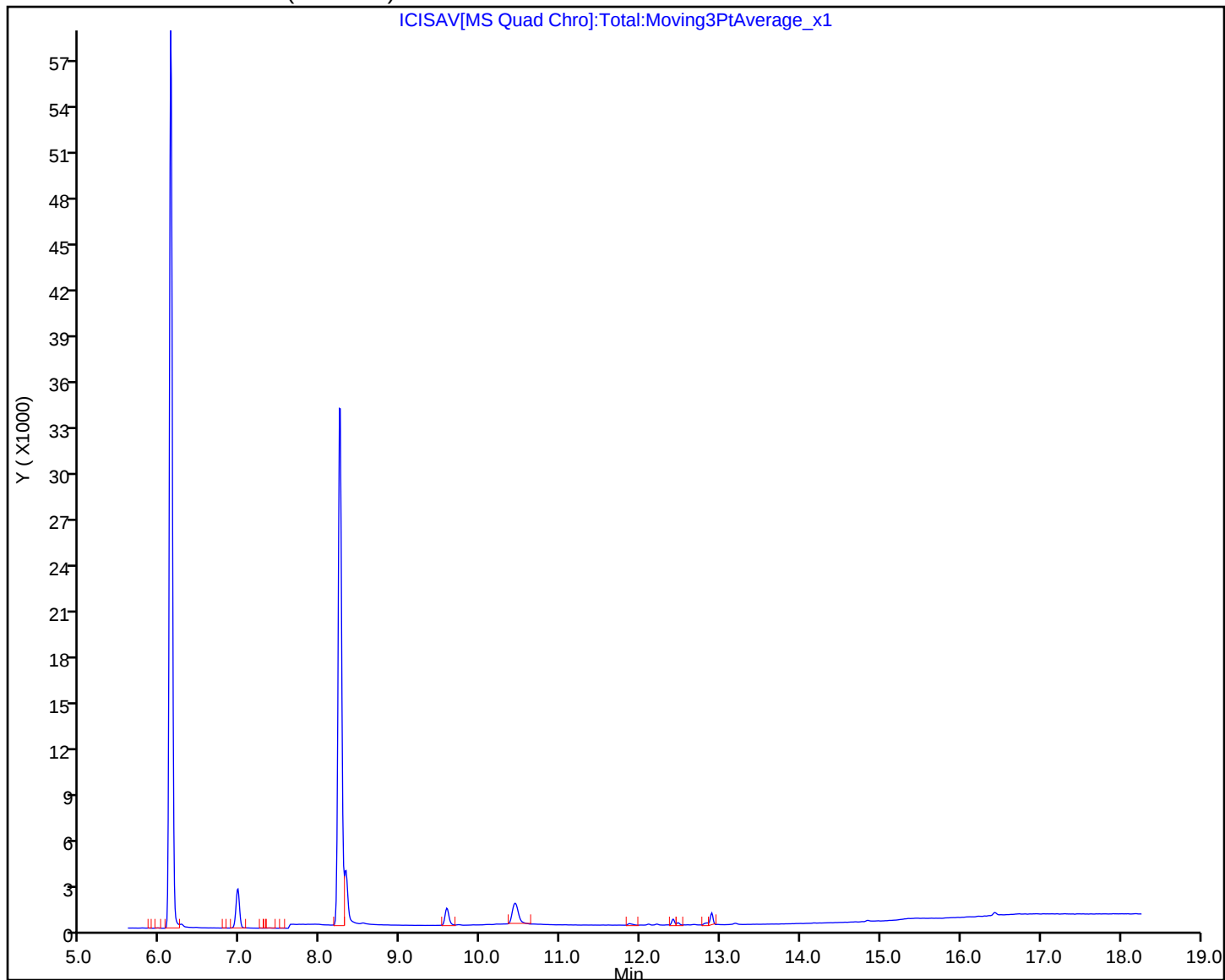
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC6.D
 Lims ID: IC 810-118678/30-A
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 18-Oct-2024 15:24:13 ALS Bottle#: 0 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 810-0030523-008
 Misc. Info.: IC 810-118678/30-A
 Operator ID: TD Instrument ID: GCMS-DM
 Sublist: chrom-522_GCMS-DM*sub1
 Raw Data: Smoothed
 Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
 Limit Group: MSS - 522
 Last Update: 21-Oct-2024 10:11:36 Calib Date: 18-Oct-2024 16:38:31
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
 Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
 Process Host: CTX1616

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	26	69237	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	53851	500.0	521.6	
11 1,4-Dioxane	88	8.316	8.315	0.001	84	10710	100.0	119.6	

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC6 .D

Injection Date: 18-Oct-2024 15:24:13

Instrument ID: GCMS-DM

Lims ID: IC 810-118678/30-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

8

Injection Vol: 1.0 ul

Dil. Factor:

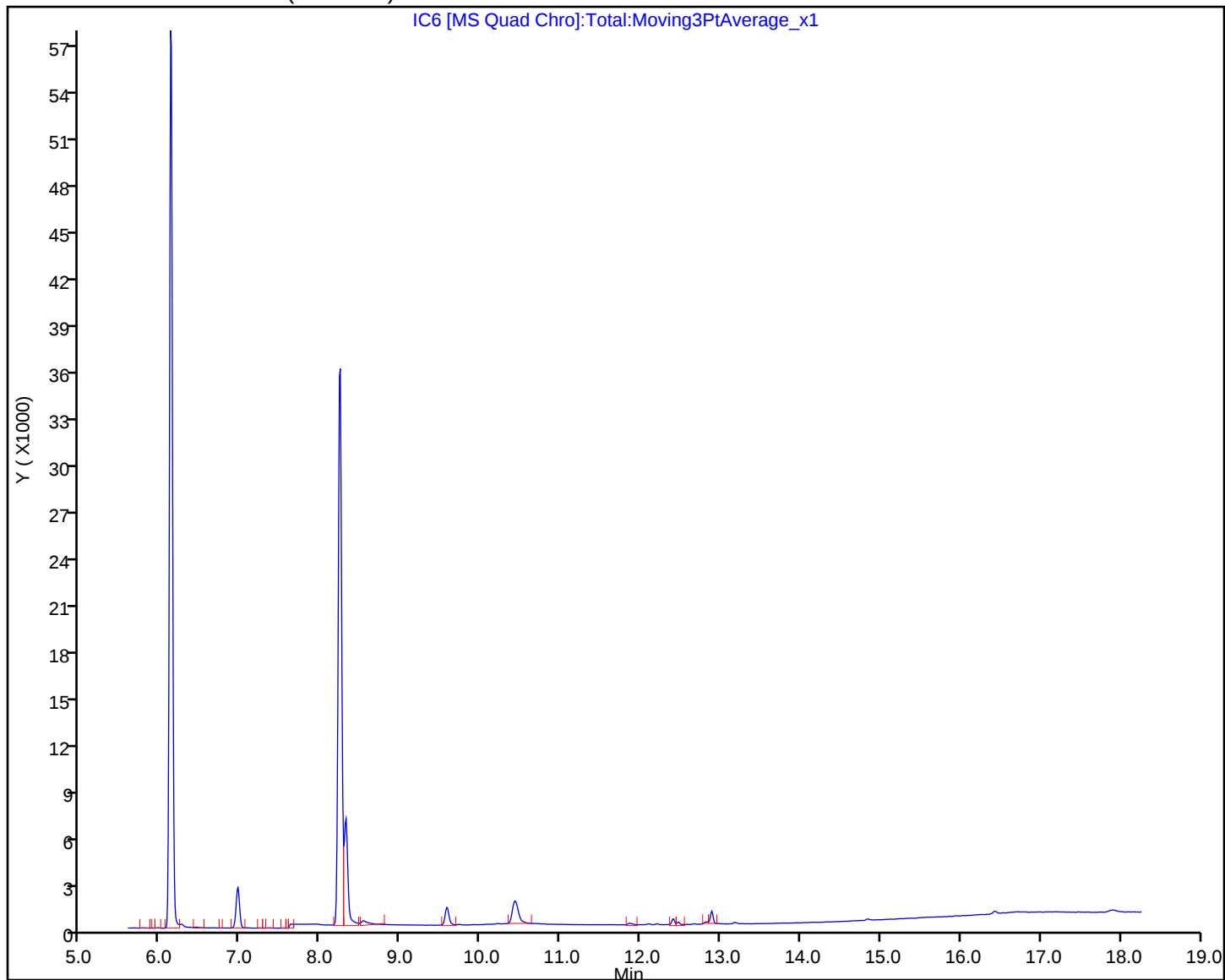
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC7.D
 Lims ID: IC 810-118678/31-A
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 18-Oct-2024 15:49:06 ALS Bottle#: 0 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 810-0030523-009
 Misc. Info.: IC 810-118678/31-A
 Operator ID: TD Instrument ID: GCMS-DM
 Sublist: chrom-522_GCMS-DM*sub1
 Raw Data: Smoothed
 Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
 Limit Group: MSS - 522
 Last Update: 21-Oct-2024 10:11:37 Calib Date: 18-Oct-2024 16:38:31
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
 Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
 Process Host: CTX1616

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.114	6.122	-0.008	25	66177	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	49259	500.0	499.2	
11 1,4-Dioxane	88	8.316	8.315	0.001	85	21264	250.0	249.9	

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC7.D

Injection Date: 18-Oct-2024 15:49:06

Instrument ID: GCMS-DM

Lims ID: IC 810-118678/31-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

9

Injection Vol: 1.0 ul

Dil. Factor:

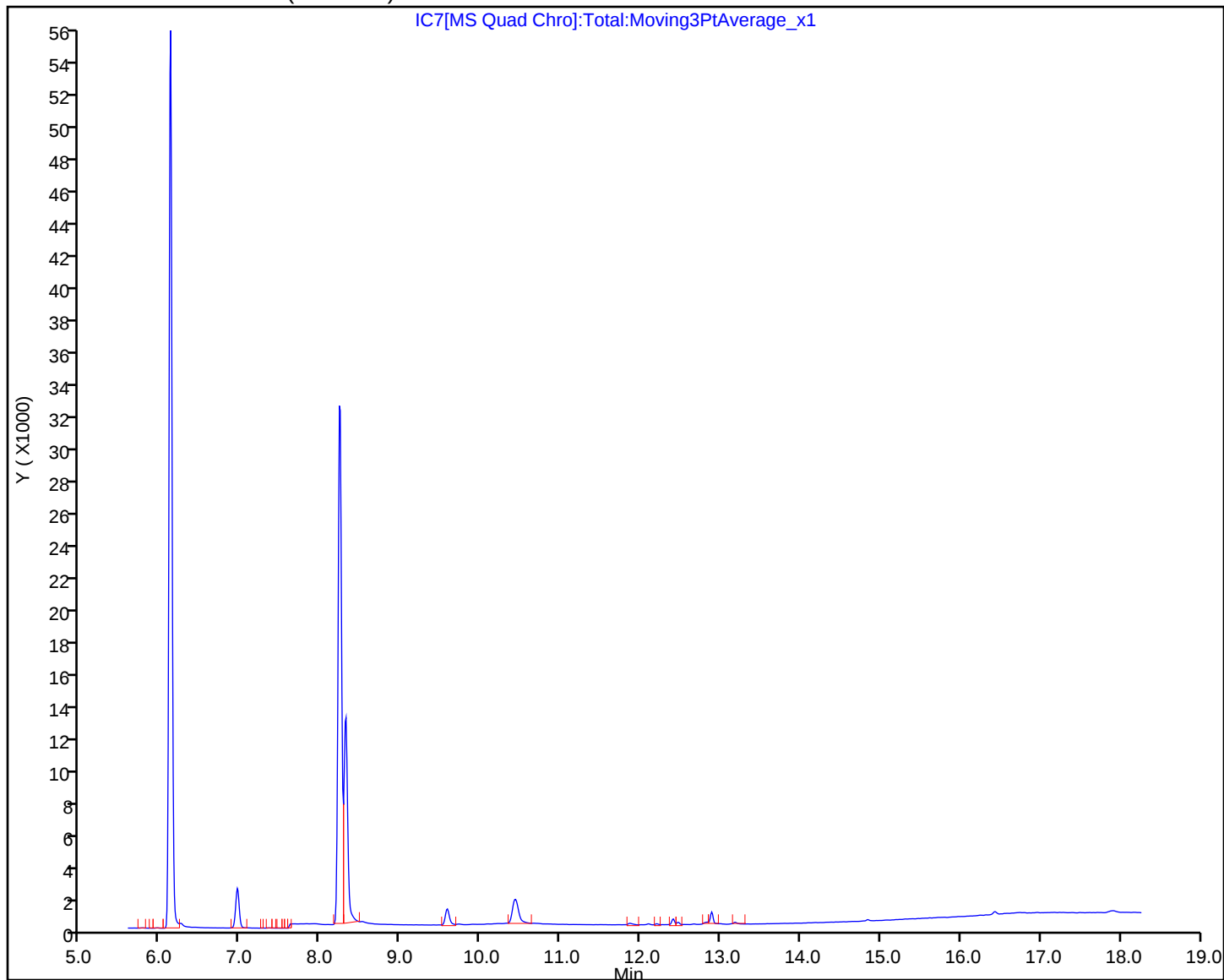
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC8.D
 Lims ID: IC 810-118678/32-A
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 18-Oct-2024 16:13:40 ALS Bottle#: 0 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 810-0030523-010
 Misc. Info.: IC 810-118678/32-A
 Operator ID: TD Instrument ID: GCMS-DM
 Sublist: chrom-522_GCMS-DM*sub1
 Raw Data: Smoothed
 Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
 Limit Group: MSS - 522
 Last Update: 21-Oct-2024 10:11:38 Calib Date: 18-Oct-2024 16:38:31
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
 Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
 Process Host: CTX1616

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	25	67978	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	50768	500.0	500.8	
11 1,4-Dioxane	88	8.315	8.315	0.000	85	42640	500.0	489.0	

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC8.D

Injection Date: 18-Oct-2024 16:13:40

Instrument ID: GCMS-DM

Lims ID: IC 810-118678/32-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

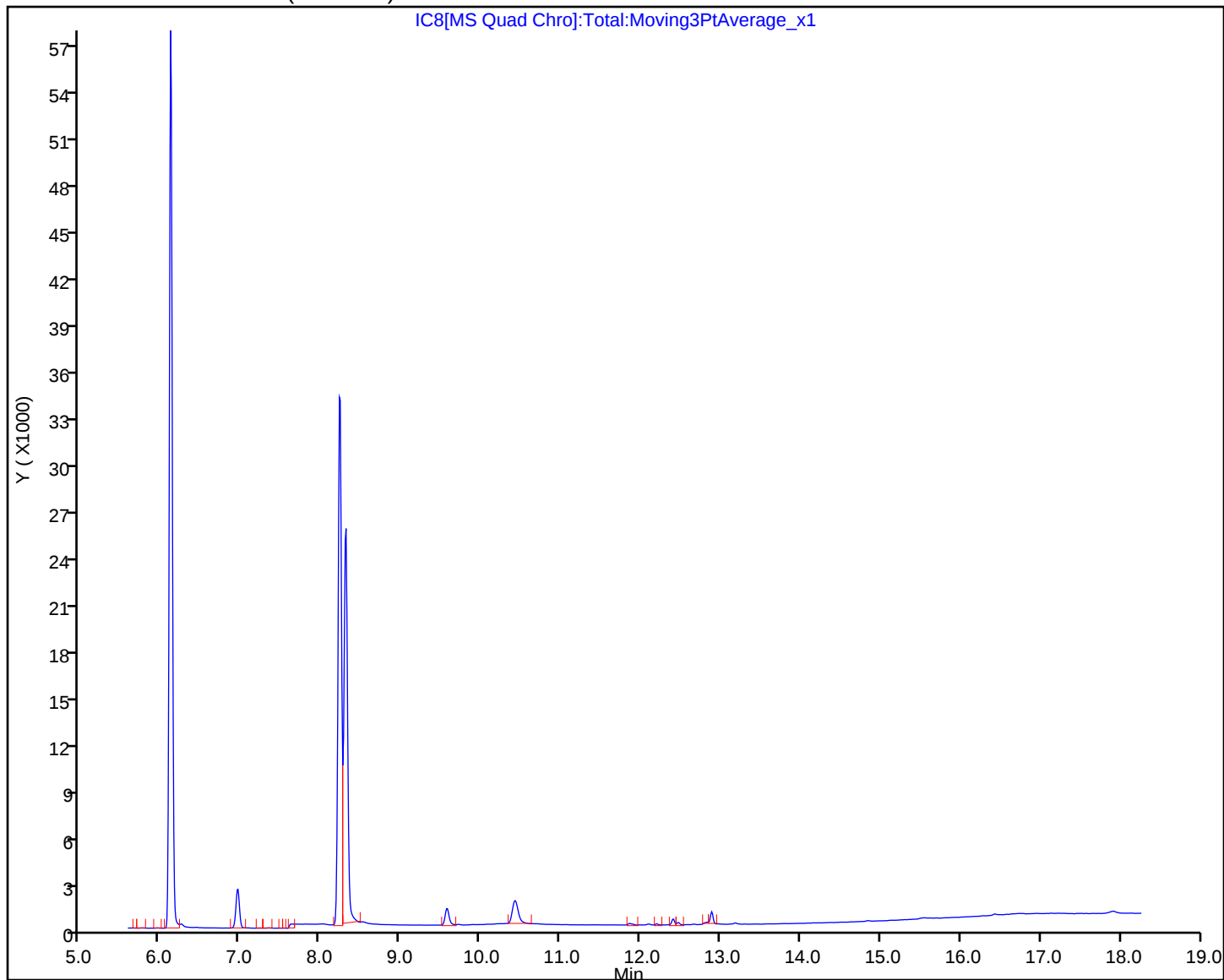
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
 Lims ID: IC 810-118678/33-A
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 18-Oct-2024 16:38:31 ALS Bottle#: 0 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 810-0030523-011
 Misc. Info.: IC 810-118678/33-A
 Operator ID: TD Instrument ID: GCMS-DM
 Sublist: chrom-522_GCMS-DM*sub1
 Raw Data: Smoothed
 Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
 Limit Group: MSS - 522
 Last Update: 21-Oct-2024 10:11:39 Calib Date: 18-Oct-2024 16:38:31
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
 Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
 Process Host: CTX1616

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	26	68139	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	50575	500.0	497.7	
11 1,4-Dioxane	88	8.316	8.315	0.001	85	85949	1000.0	984.6	

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D

Injection Date: 18-Oct-2024 16:38:31

Instrument ID: GCMS-DM

Lims ID: IC 810-118678/33-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

11

Injection Vol: 1.0 ul

Dil. Factor:

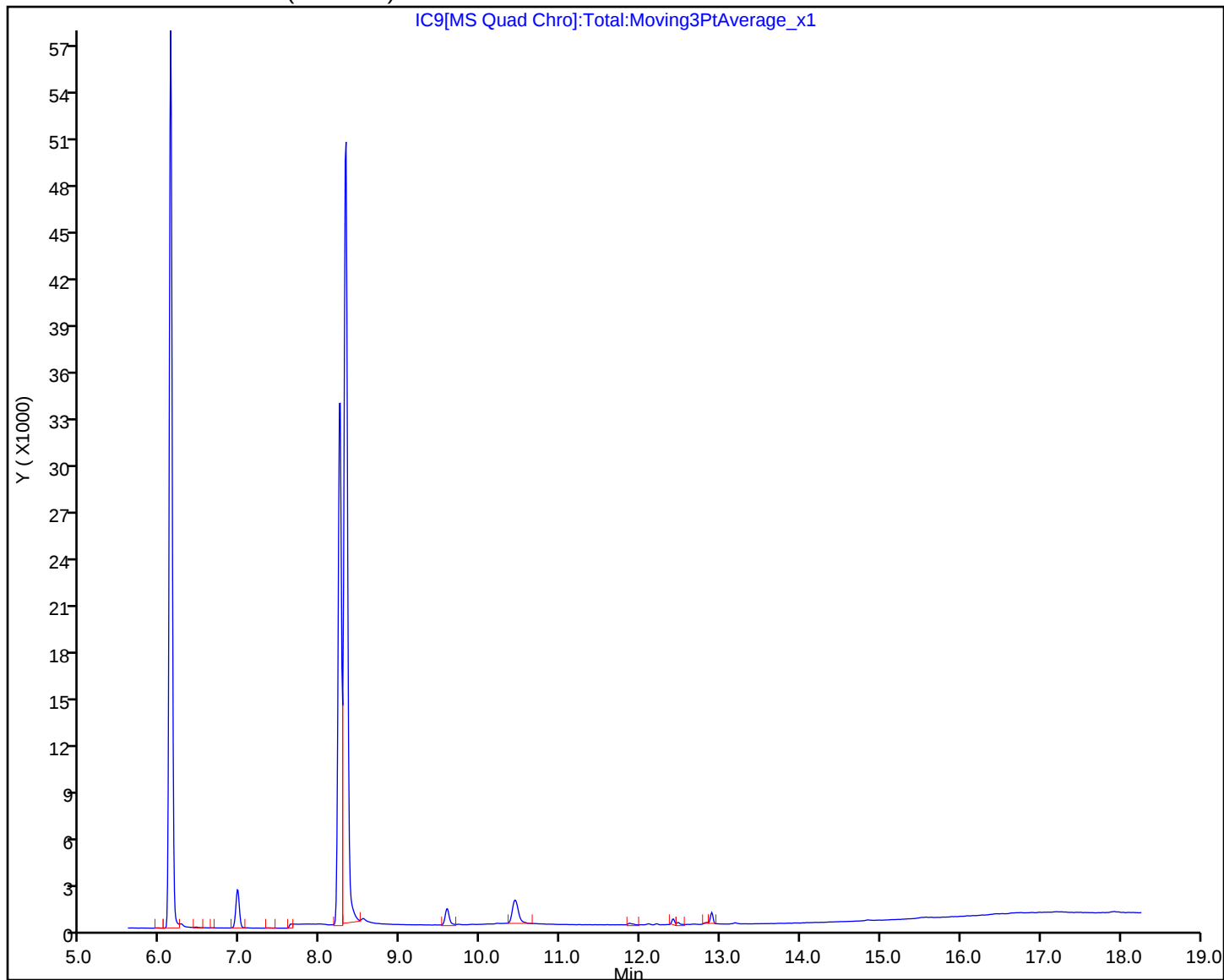
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



Calibration

/ 1,4-Dioxane-d8 (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

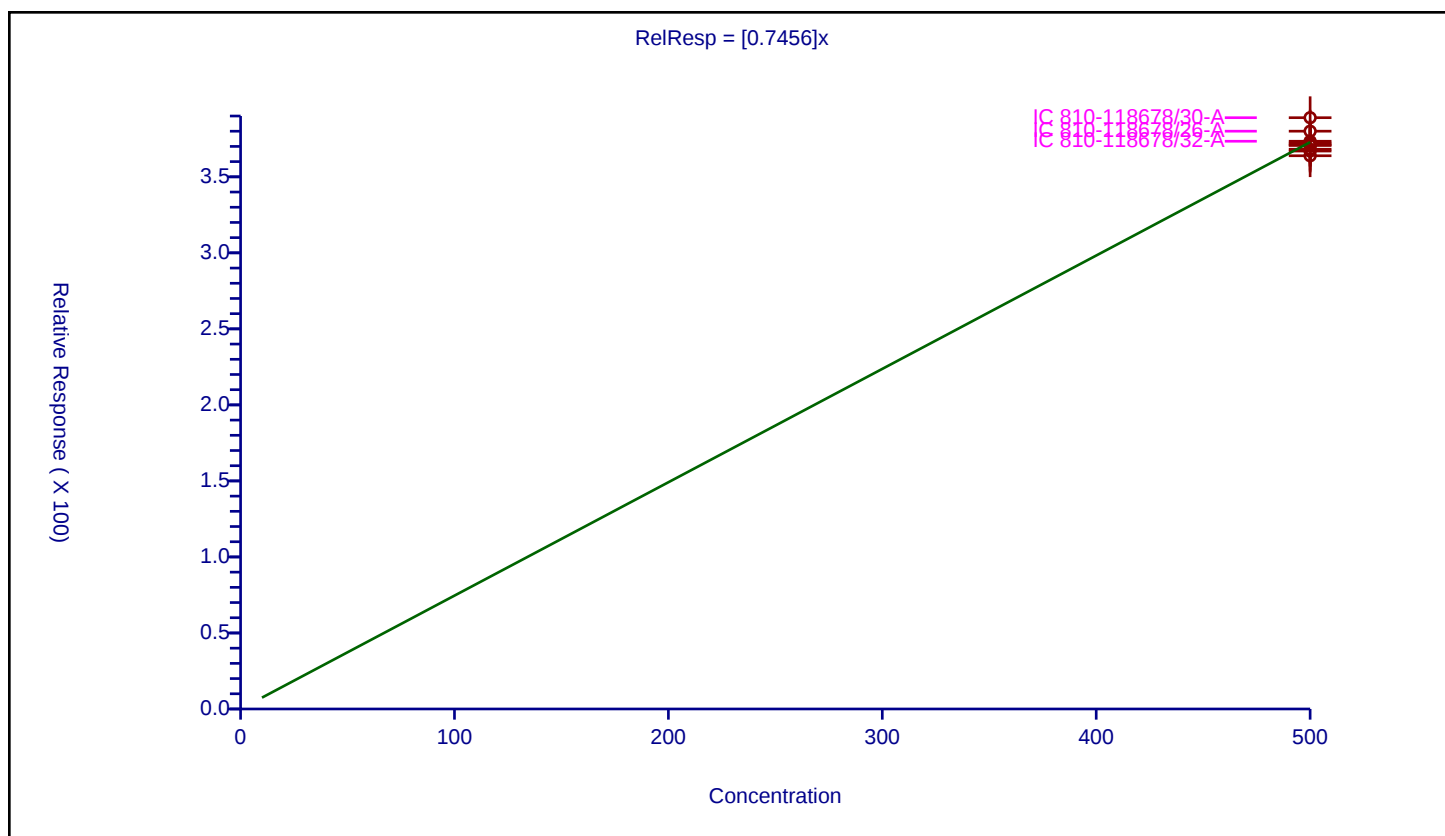
Curve Coefficients

Intercept: 0
 Slope: 0.7456

Error Coefficients

Relative Standard Deviation: 2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 810-118678/25-A	500.0	363.861876	500.0	70748.0	0.727724	Y
2	IC 810-118678/26-A	500.0	380.012204	500.0	73745.0	0.760024	Y
3	IC 810-118678/27-A	500.0	366.960873	500.0	71945.0	0.733922	Y
4	IC 810-118678/28-A	500.0	368.151108	500.0	64828.0	0.736302	Y
5	ICISAV 810-118678/29-A	500.0	370.623961	500.0	69812.0	0.741248	Y
6	IC 810-118678/30-A	500.0	388.888889	500.0	69237.0	0.777778	Y
7	IC 810-118678/31-A	500.0	372.176134	500.0	66177.0	0.744352	Y
8	IC 810-118678/32-A	500.0	373.414928	500.0	67978.0	0.74683	Y
9	IC 810-118678/33-A	500.0	371.116394	500.0	68139.0	0.742233	Y



Calibration

/ 1,4-Dioxane

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

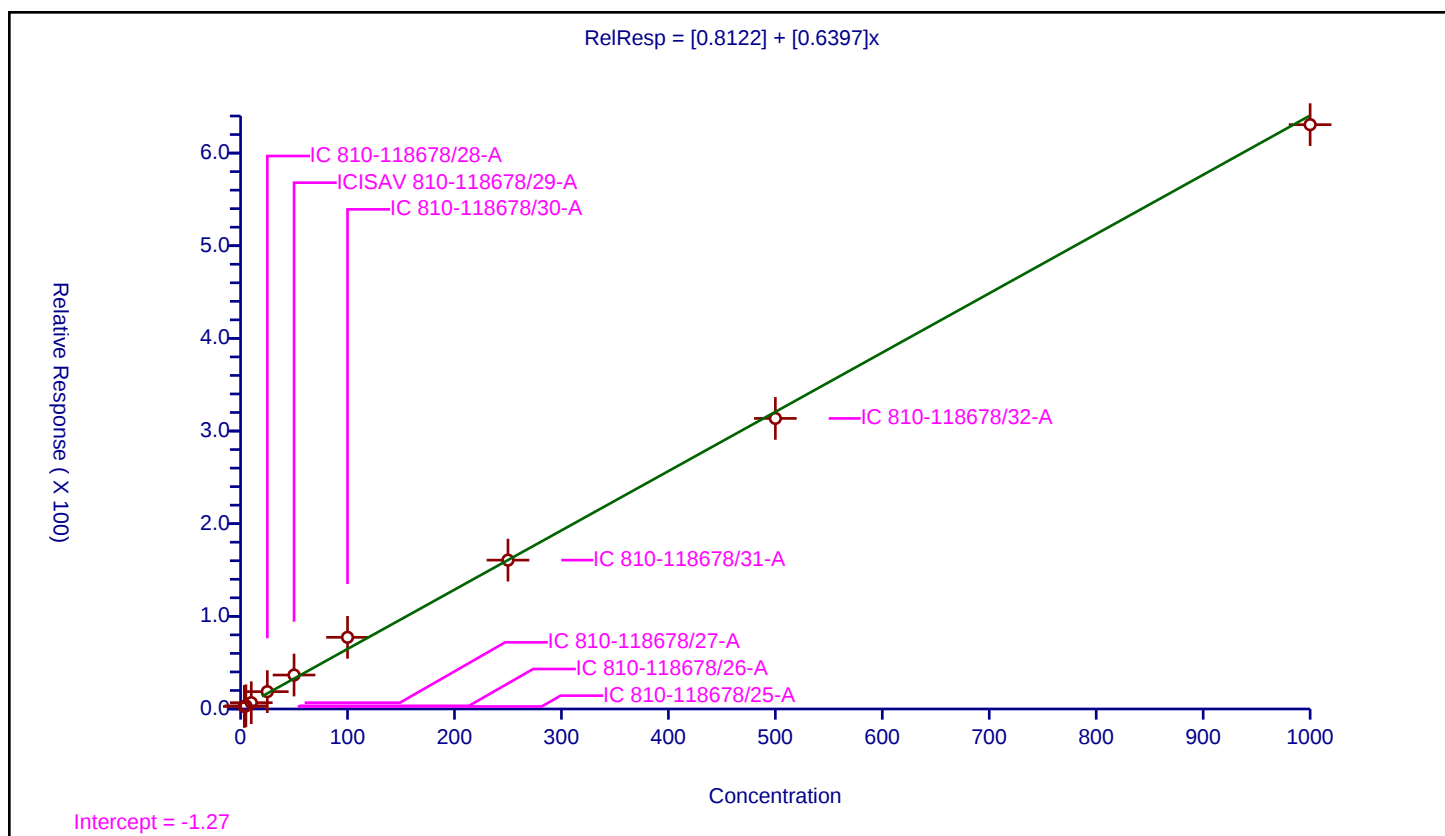
Curve Coefficients

Intercept: 0.8122
Slope: 0.6397

Error Coefficients

Relative Standard Deviation: 13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 810-118678/25-A	3.5	2.70679	500.0	70748.0	0.773369	Y
2	IC 810-118678/26-A	5.0	3.430741	500.0	73745.0	0.686148	Y
3	IC 810-118678/27-A	10.0	6.803808	500.0	71945.0	0.680381	Y
4	IC 810-118678/28-A	25.0	18.718763	500.0	64828.0	0.748751	Y
5	ICISAV 810-118678/29-A	50.0	36.662751	500.0	69812.0	0.733255	Y
6	IC 810-118678/30-A	100.0	77.343039	500.0	69237.0	0.77343	Y
7	IC 810-118678/31-A	250.0	160.660048	500.0	66177.0	0.64264	Y
8	IC 810-118678/32-A	500.0	313.630881	500.0	67978.0	0.627262	Y
9	IC 810-118678/33-A	1000.0	630.688739	500.0	68139.0	0.630689	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-124363-1
SDG No.: _____
Lab Sample ID: CCVLIS 810-119146/1- Calibration Date: 10/18/2024 17:27
Instrument ID: GCMS-DM Calib Start Date: 10/18/2024 13:19
GC Column: CPSelect 624 MS ID: 0.25 (mm) Calib End Date: 10/18/2024 16:38
Lab File ID: CCVLIS.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
1,4-Dioxane	Lin1		0.6048		2.04	3.50	58	50-150
1,4-Dioxane-d8 (Surr)	Ave	0.7456	0.5569		373	500	75	70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\CCVLIS.D
Lims ID: CCVLIS 810-119146/1-A
Client ID:
Sample Type: CCVLIS
Inject. Date: 18-Oct-2024 17:27:51 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0030523-012
Misc. Info.: CCVLIS 810-119146/1-A
Operator ID: TD Instrument ID: GCMS-DM
Sublist: chrom-522_GCMS-DM*sub1
Raw Data: Smoothed
Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
Limit Group: MSS - 522
Last Update: 28-Oct-2024 15:18:39 Calib Date: 18-Oct-2024 16:38:31
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: JH8B

Date: 25-Oct-2024 12:50:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	26	77235	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	43012	500.0	373.5	
11 1,4-Dioxane	88	8.315	8.315	0.000	85	327	3.50	2.04	

QC Flag Legend

Processing Flags

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\CCVLIS.D

Injection Date: 18-Oct-2024 17:27:51

Instrument ID: GCMS-DM

Lims ID: CCVLIS 810-119146/1-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

12

Injection Vol: 1.0 ul

Dil. Factor:

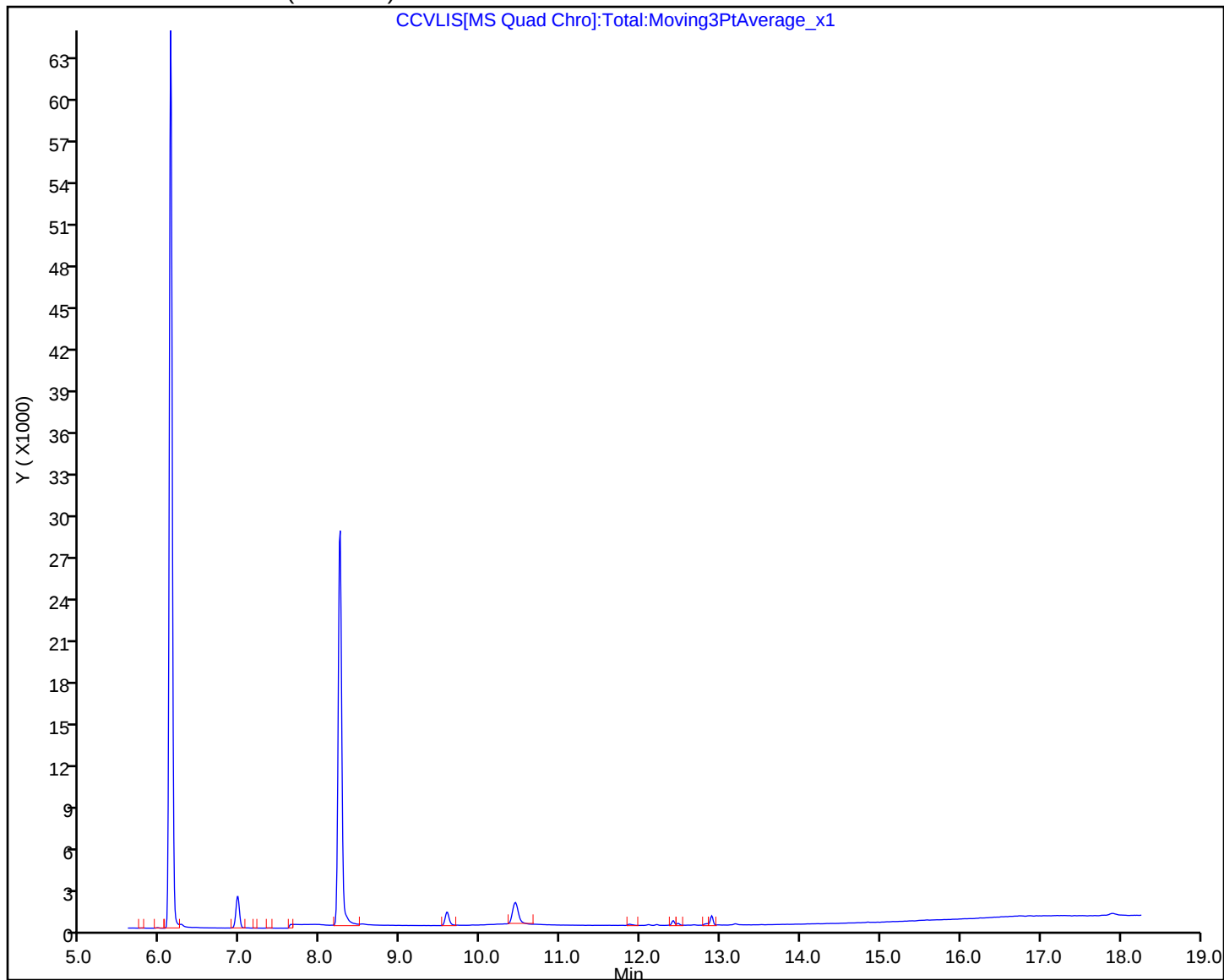
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-124363-1
SDG No.: _____
Lab Sample ID: ICV 810-118678/34-A Calibration Date: 10/18/2024 17:52
Instrument ID: GCMS-DM Calib Start Date: 10/18/2024 13:19
GC Column: CPSelect 624 MS ID: 0.25 (mm) Calib End Date: 10/18/2024 16:38
Lab File ID: ICV.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
1,4-Dioxane	Lin1		0.7797		59.7	50.0	119	80-120
1,4-Dioxane-d8 (Surr)	Ave	0.7456	0.7275		488	500	98	70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\ICV.D
 Lims ID: ICV 810-118678/34-A
 Client ID:
 Sample Type: ICV
 Inject. Date: 18-Oct-2024 17:52:31 ALS Bottle#: 0 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 810-0030523-013
 Misc. Info.: ICV 810-118678/34-A
 Operator ID: TD Instrument ID: GCMS-DM
 Sublist:
 Raw Data: Smoothed
 Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
 Limit Group: MSS - 522
 Last Update: 28-Oct-2024 15:47:04 Calib Date: 18-Oct-2024 16:38:31
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
 Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
 Process Host: CTX1637

First Level Reviewer: JH8B

Date: 25-Oct-2024 12:51:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	27	71261	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	51844	500.0	487.9	
11 1,4-Dioxane	88	8.316	8.316	0.000	84	5556	50.0	59.7	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\ICV.D

Injection Date: 18-Oct-2024 17:52:31

Instrument ID: GCMS-DM

Lims ID: ICV 810-118678/34-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

13

Injection Vol: 1.0 ul

Dil. Factor:

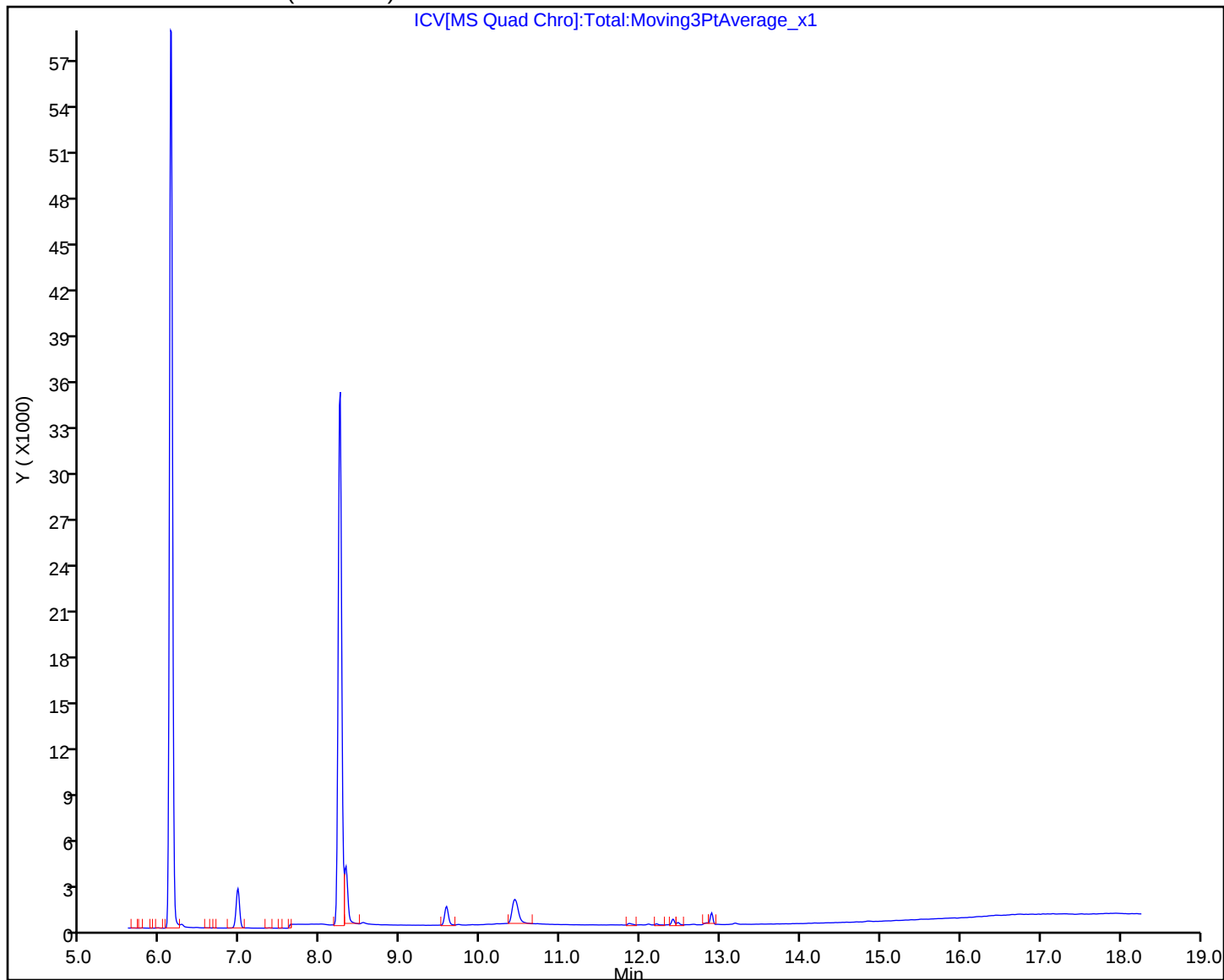
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend

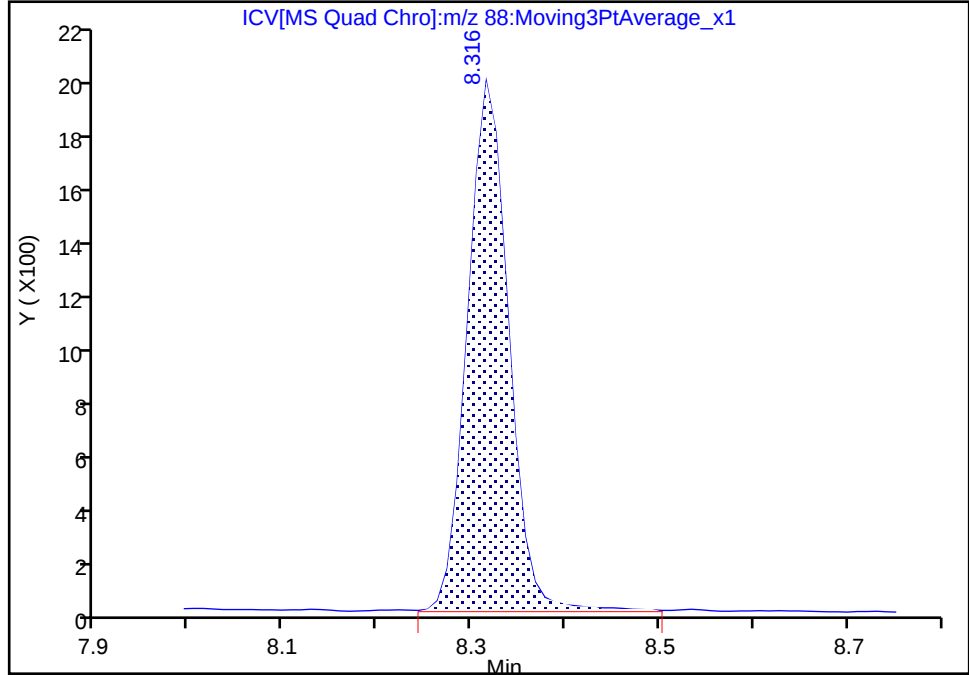
Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\ICV.D
Injection Date: 18-Oct-2024 17:52:31 Instrument ID: GCMS-DM
Lims ID: ICV 810-118678/34-A
Client ID:
Operator ID: TD ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 522_GCMS-DM Limit Group: MSS - 522
Column: CP Select 624 MS (0.25 mm) Detector: MS Quad

11 1,4-Dioxane, CAS: 123-91-1

Signal: 1

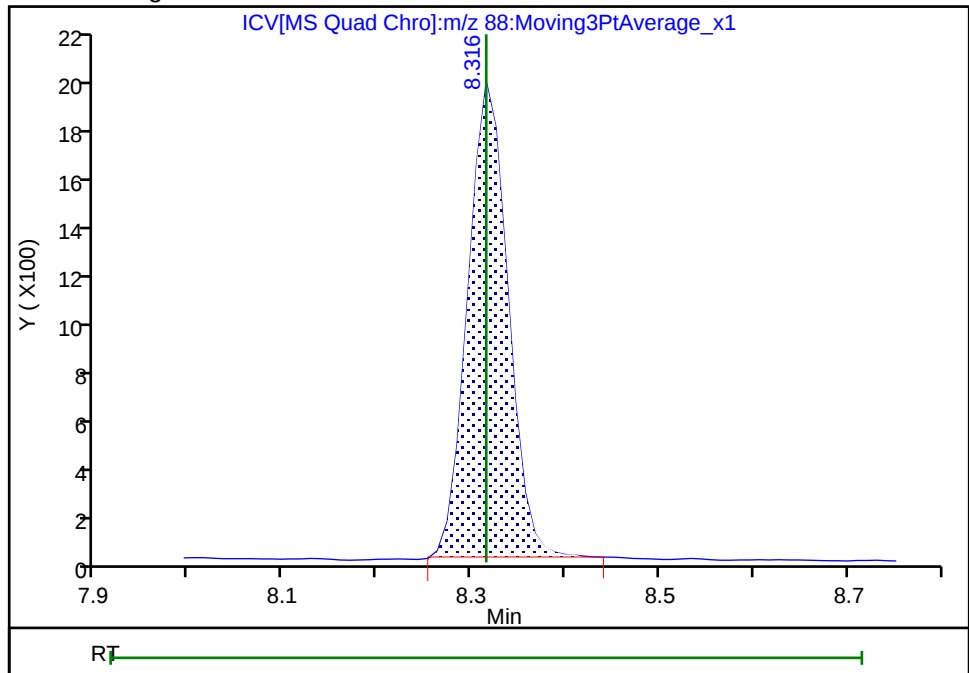
RT: 8.32
Area: 5667
Amount: 60.884180
Amount Units: ug/l

Processing Integration Results



RT: 8.32
Area: 5556
Amount: 59.666769
Amount Units: ug/l

Manual Integration Results



Reviewer: JH8B, 28-Oct-2024 15:47:03 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-124363-1
SDG No.: _____
Lab Sample ID: CCVIS 810-119146/2-A Calibration Date: 10/18/2024 23:42
Instrument ID: GCMS-DM Calib Start Date: 10/18/2024 13:19
GC Column: CPSelect 624 MS ID: 0.25 (mm) Calib End Date: 10/18/2024 16:38
Lab File ID: CCVM.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
1,4-Dioxane	Lin1		0.5963		45.3	50.0	91	70-130
1,4-Dioxane-d8 (Surr)	Ave	0.7456	0.5964		400	500	80	70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\CCVM.D
Lims ID: CCVIS 810-119146/2-A
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Oct-2024 23:42:07 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0030523-026
Misc. Info.: 500-258460-A-7-A
Operator ID: TD Instrument ID: GCMS-DM
Sublist: chrom-522_GCMS-DM*sub1
Raw Data: Smoothed
Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
Limit Group: MSS - 522
Last Update: 28-Oct-2024 15:36:13 Calib Date: 18-Oct-2024 16:38:31
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1637

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	25	76823	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	45815	500.0	399.9	
11 1,4-Dioxane	88	8.316	8.316	0.000	85	4581	50.0	45.3	

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\CCVM.D

Injection Date: 18-Oct-2024 23:42:07

Instrument ID: GCMS-DM

Lims ID: CCVIS 810-119146/2-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

26

Injection Vol: 1.0 ul

Dil. Factor:

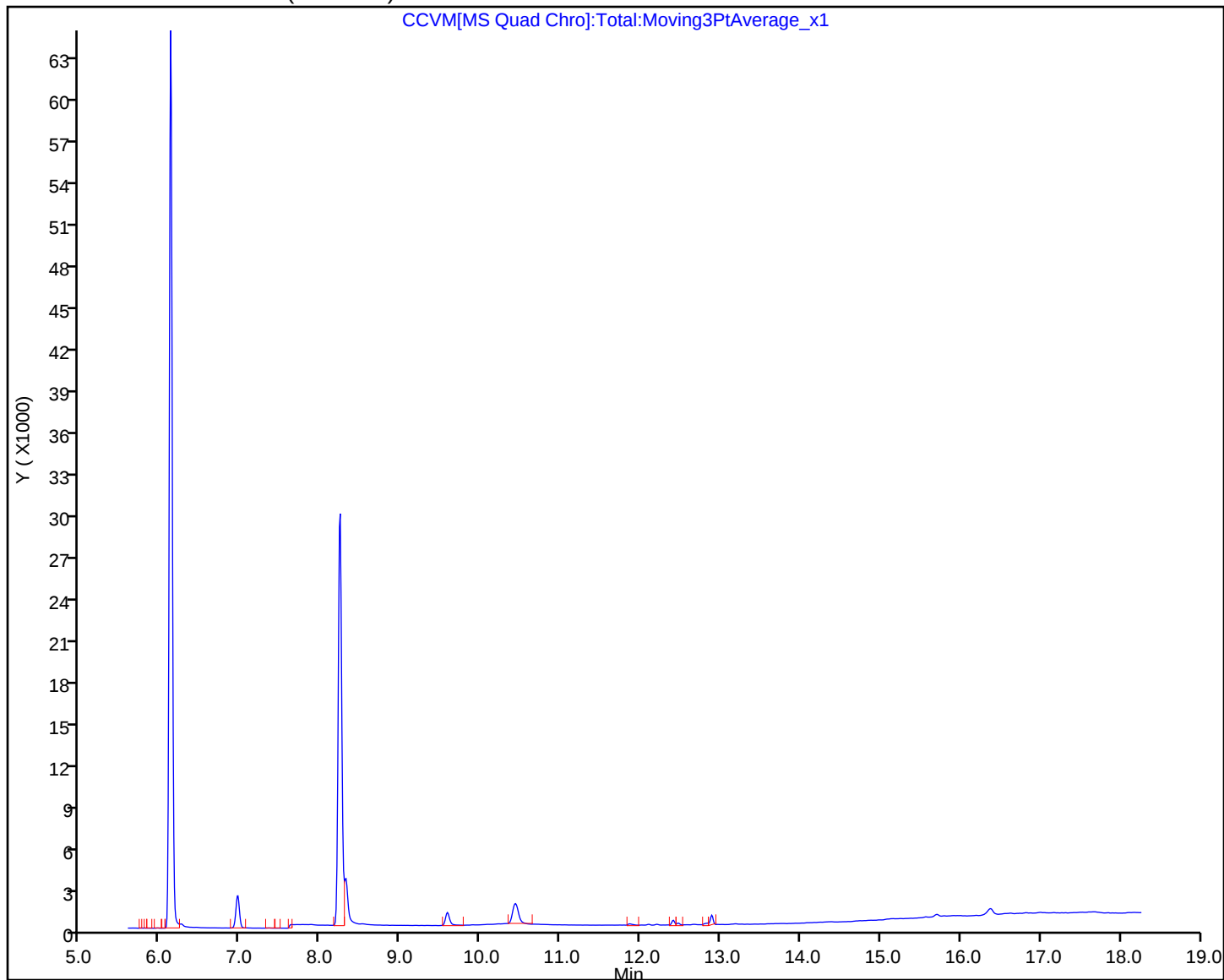
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-124363-1
SDG No.: _____
Lab Sample ID: CCV 810-119146/3-A Calibration Date: 10/19/2024 04:44
Instrument ID: GCMS-DM Calib Start Date: 10/18/2024 13:19
GC Column: CPSelect 624 MS ID: 0.25 (mm) Calib End Date: 10/18/2024 16:38
Lab File ID: CCVH.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
1,4-Dioxane	Lin1		0.5209		406	500	81	70-130
1,4-Dioxane-d8 (Surr)	Ave	0.7456	0.6161		413	500	83	70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\CCVH.D
Lims ID: CCV 810-119146/3-A
Client ID:
Sample Type: CCV
Inject. Date: 19-Oct-2024 04:44:37 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0030523-038
Misc. Info.: 500-258460-A-15-A
Operator ID: TD Instrument ID: GCMS-DM
Sublist: chrom-522_GCMS-DM*sub1
Raw Data: Smoothed
Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
Limit Group: MSS - 522
Last Update: 28-Oct-2024 15:20:05 Calib Date: 18-Oct-2024 16:38:31
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1637

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	25	75663	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	46618	500.0	413.2	
11 1,4-Dioxane	88	8.316	8.315	0.001	84	39410	500.0	405.8	

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\CCVH.D

Injection Date: 19-Oct-2024 04:44:37

Instrument ID: GCMS-DM

Lims ID: CCV 810-119146/3-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

38

Injection Vol: 1.0 ul

Dil. Factor:

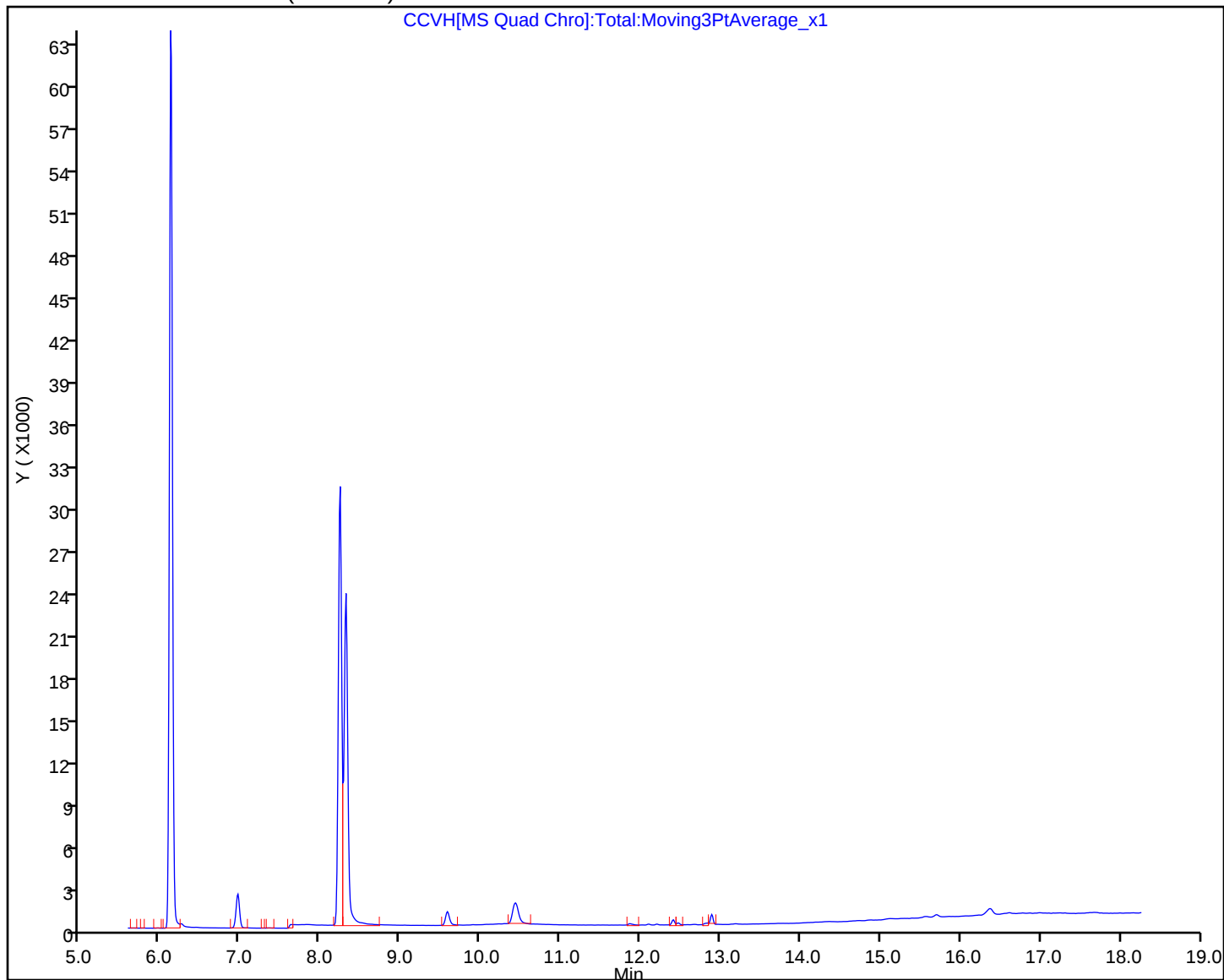
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend

Target Compound Quantitation Report

Data File:

\\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\BFB 2.D

Lims ID:

BFB

Client ID:

Sample Type:

BFB

Inject. Date:

18-Oct-2024 13:03:32

ALS Bottle#:

0

Worklist Smp#:

2

Injection Vol:

2.0 mL

Dil. Factor:

1.0000

Sample Info:

810-0030523-002

Misc. Info.:

BFB 2

Operator ID:

TD

Instrument ID:

GCMS-DM

Raw Data:

Smoothed

Method:

\\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m

Limit Group:

MSS - 522

Last Update:

23-Oct-2024 11:34:48

Calib Date:

18-Oct-2024 16:38:31

Integrator:

RTE

ID Type:

Deconvolution ID

Quant Method:

Internal Standard

Quant By:

Initial Calibration

Last ICal File:

\\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D

Column 1 :

CP Select 624 MS (0.25 mm)

Det:

MS Quad

Process Host:

CTX1640

First Level Reviewer: JH8B

Date: 23-Oct-2024 11:34:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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10 BFB

QC Flag Legend

Processing Flags

Reagents:

O-522BFBSUB_00015

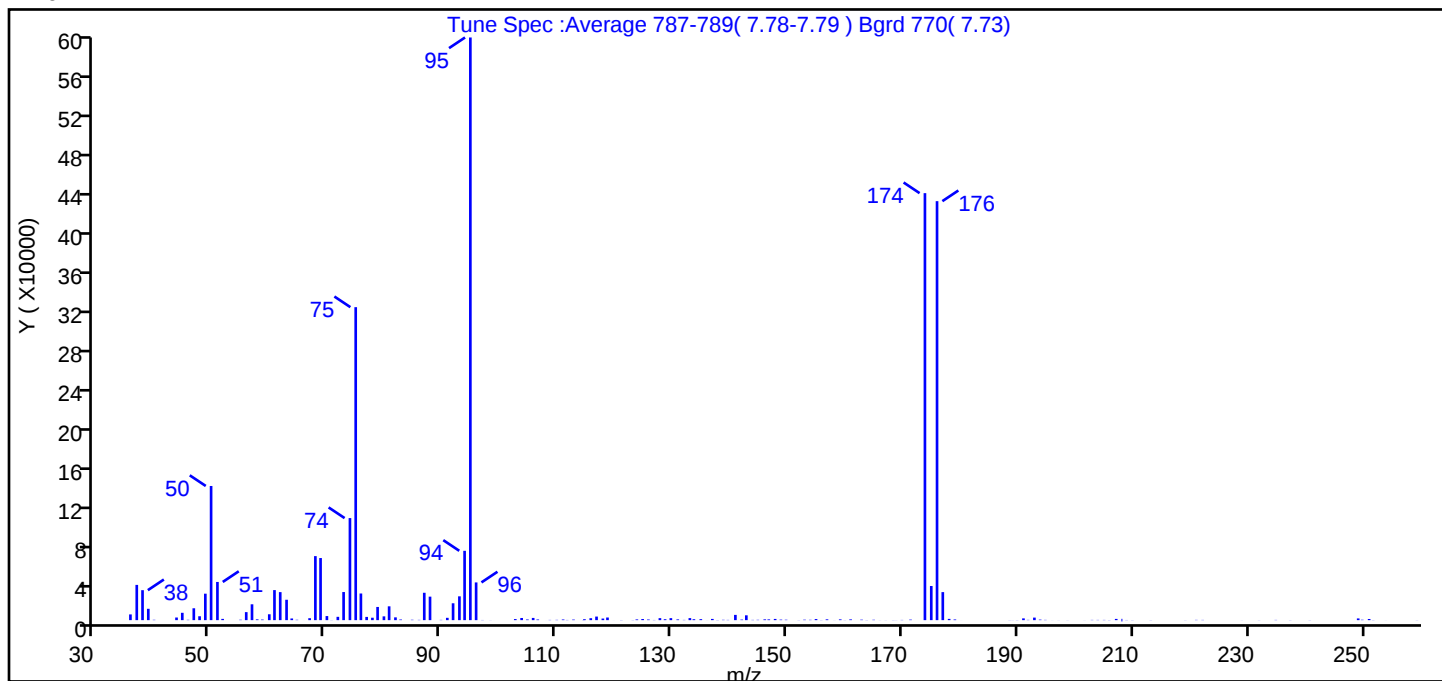
Amount Added: 2.00

Units: mL

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\BFB 2.D
Injection Date: 18-Oct-2024 13:03:32 Instrument ID: GCMS-DM
Lims ID: BFB
Client ID:
Operator ID: TD ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 2.0 mL Dil. Factor: 1.0000
Method: 522_GCMS-DM Limit Group: MSS - 522
Tune Method: BFB Method 524

10 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% Relative Abundance	100.0
50	15-40% of mass 95	23.0
75	30-80% of mass 95	53.7
96	5-9% of mass 95	6.5
173	<2% of mass 174	0.0 (0.0)
174	>50% of mass 95	73.3
175	5-9% of mass 174	5.9 (8.0)
176	>95% but <101% of mass 174	71.9 (98.1)
177	5-9% of mass 176	4.8 (6.7)

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\BFB 2.D\522_GCMS-DM.rslt\spectra.d
Injection Date: 18-Oct-2024 13:03:32
Spectrum: Tune Spec :Average 787-789(7.78-7.79) Bgrd 770(7.73)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 166

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5867	83.00	648	131.00	764	177.00	28680
37.00	36064	85.00	390	132.00	245	178.00	1278
38.00	30664	86.00	280	133.00	2079	179.00	693
39.00	11611	87.00	28008	134.00	938	180.00	27
40.00	353	88.00	24048	135.00	1011	189.00	108
44.00	2692	90.00	263	136.00	34	189.00	75
45.00	7515	91.00	2377	137.00	1249	190.00	118
46.00	342	92.00	17256	138.00	147	191.00	1804
47.00	12144	93.00	24368	139.00	348	192.00	277
48.00	3989	94.00	70944	140.00	252	193.00	2601
49.00	27080	95.00	596224	141.00	5377	194.00	541
50.00	137280	96.00	38600	142.00	560	195.00	265
51.00	39080	97.00	176	143.00	4942	196.00	37
52.00	1290	98.00	71	144.00	256	197.00	58
55.00	405	99.00	11	145.00	346	199.00	37
56.00	8202	103.00	1097	146.00	804	199.00	35
57.00	16225	104.00	2210	147.00	778	202.00	49
58.00	815	105.00	668	148.00	1243	203.00	252
59.00	590	106.00	2273	149.00	546	204.00	238
60.00	6007	107.00	671	150.00	428	205.00	238
61.00	30744	108.00	22	152.00	115	206.00	141
62.00	28680	109.00	235	153.00	468	207.00	1259
63.00	20864	110.00	290	154.00	341	208.00	1
64.00	1710	111.00	675	155.00	1106	209.00	164
65.00	367	112.00	199	156.00	121	210.00	117
66.00	21	113.00	578	157.00	828	213.00	116
67.00	1995	115.00	106	158.00	54	219.00	88
68.00	65520	115.00	959	159.00	783	221.00	275
69.00	63552	116.00	1977	160.00	90	222.00	239
70.00	4182	117.00	3658	161.00	779	229.00	53
71.00	106	118.00	1636	163.00	484	232.00	93
72.00	3390	119.00	2691	164.00	126	235.00	238
73.00	28752	120.00	26	165.00	384	237.00	114

Report Date: 23-Oct-2024 11:34:48

Chrom Revision: 2.3 24-Sep-2024 15:19:46

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\BFB 2.D\522_GCMS-DM.rslt\spectra.d

Injection Date: 18-Oct-2024 13:03:32

Spectrum: Tune Spec :Average 787-789(7.78-7.79) Bgrd 770(7.73)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 166

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	104432	121.00	151	166.00	64	241.00	114
75.00	320256	123.00	118	167.00	66	249.00	1750
76.00	27272	124.00	752	168.00	106	250.00	402
77.00	3313	125.00	1156	169.00	72	251.00	1170
78.00	2474	126.00	657	170.00	222	252.00	127
79.00	13496	127.00	181	171.00	543	254.00	37
80.00	3874	128.00	2037	174.00	436928	259.00	93
81.00	14149	129.00	937	175.00	34928		
82.00	2850	130.00	2037	176.00	428736		

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\BFB 2.D

Injection Date: 18-Oct-2024 13:03:32

Instrument ID: GCMS-DM

Lims ID: BFB

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

2

Injection Vol: 2.0 mL

Dil. Factor:

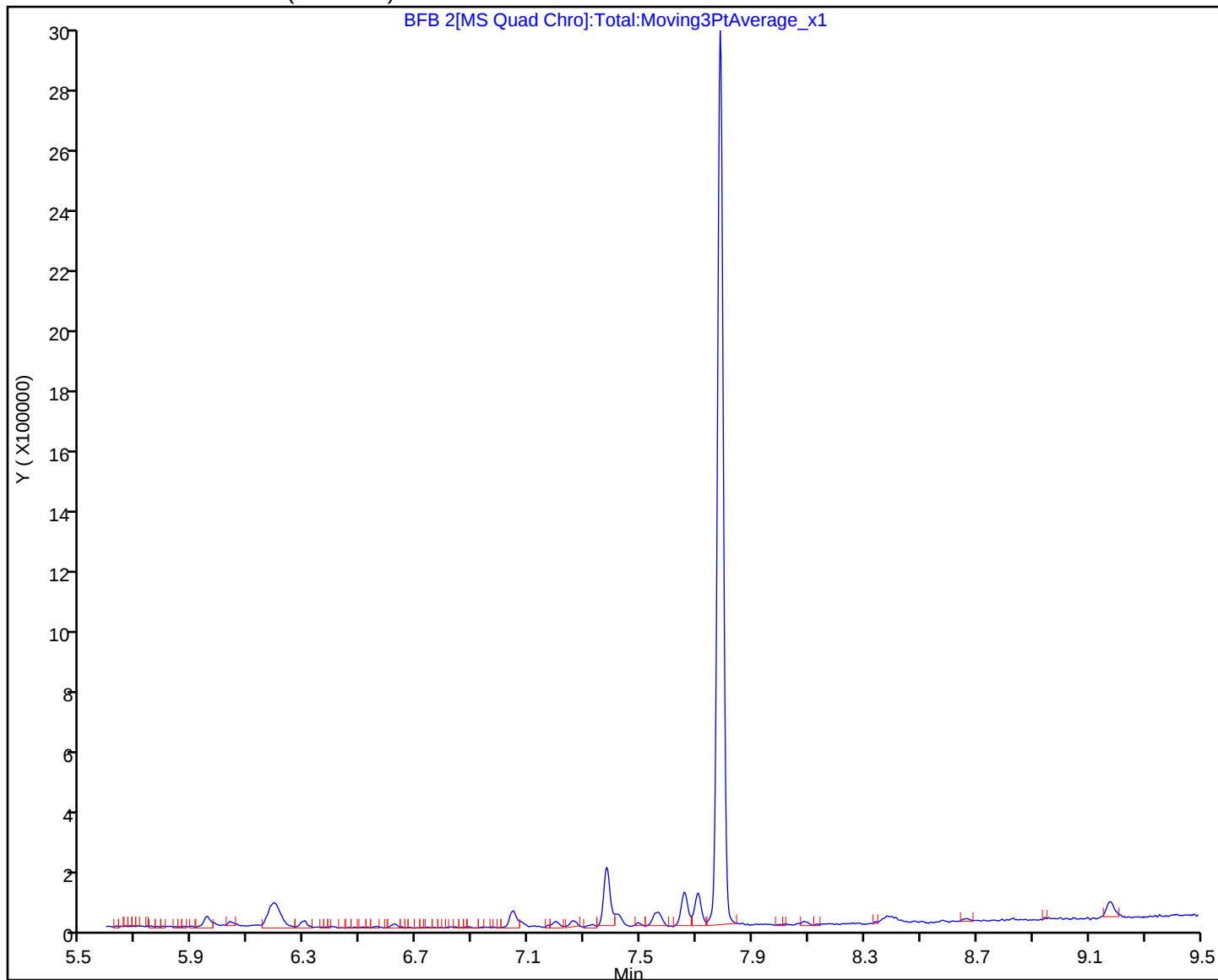
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-124363-1
SDG No.:
Client Sample ID: Lab Sample ID: MBL 810-119074/1-A
Matrix: Drinking Water Lab File ID: MBL.D
Analysis Method: 522 Date Collected:
Extract. Method: 522 Date Extracted: 10/16/2024 09:09
Sample wt/vol: 100 (mL) Date Analyzed: 10/18/2024 18:41
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CPSelect 624 MS ID: 0.25 (mm)
% Moisture: % Solids: GPC Cleanup: (Y/N) N
Cleanup Factor: Level: (low/med) Low
Analysis Batch No.: 119495 Units: ug/L
Preparation Batch No.: 119074 Instrument ID: GCMS-DM

CAS NO.	COMPOUND NAME	RESULT	Q	RL
123-91-1	1,4-Dioxane	<0.062		0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	81		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\MBL.D
Lims ID: MBL 810-119074/1-A
Client ID:
Sample Type: MBL
Inject. Date: 18-Oct-2024 18:41:53 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0030523-014
Misc. Info.: MBL 810-119074/1-A
Operator ID: TD Instrument ID: GCMS-DM
Raw Data: Smoothed
Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
Limit Group: MSS - 522
Last Update: 28-Oct-2024 15:18:39 Calib Date: 18-Oct-2024 16:38:31
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: JH8B

Date: 25-Oct-2024 12:51:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	27	73128	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	44333	500.0	406.5	
11 1,4-Dioxane	88		8.315					ND	U
10 BFB									

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\MBL.D

Injection Date: 18-Oct-2024 18:41:53

Instrument ID: GCMS-DM

Lims ID: MBL 810-119074/1-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

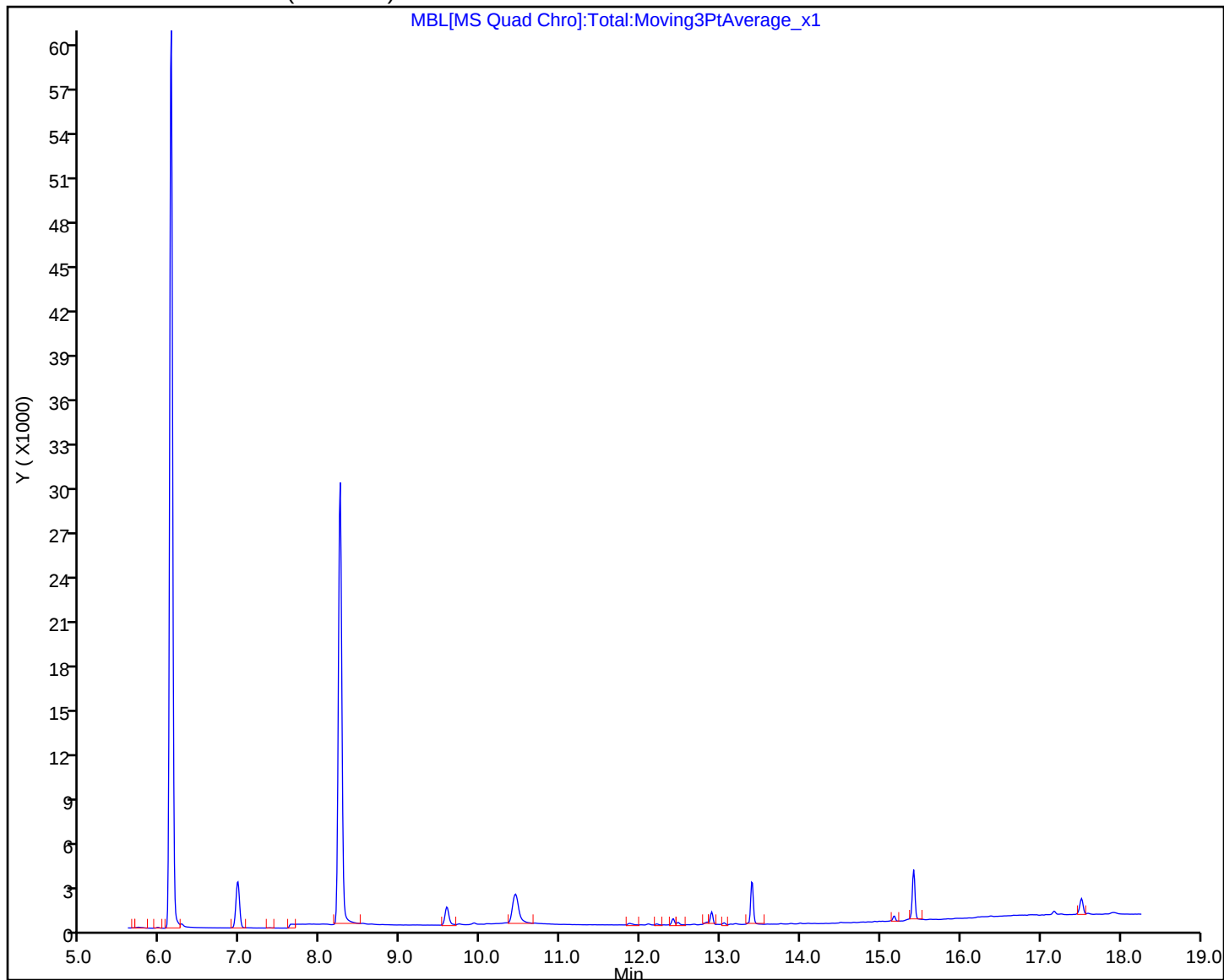
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend
Recovery Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\MBL.D
Lims ID: MBL 810-119074/1-A
Client ID:
Sample Type: MBL
Inject. Date: 18-Oct-2024 18:41:53 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0030523-014
Misc. Info.: MBL 810-119074/1-A
Operator ID: TD Instrument ID: GCMS-DM
Raw Data: Smoothed
Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
Limit Group: MSS - 522
Last Update: 28-Oct-2024 15:18:39 Calib Date: 18-Oct-2024 16:38:31
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1637

First Level Reviewer: JH8B

Date: 25-Oct-2024 12:51:05

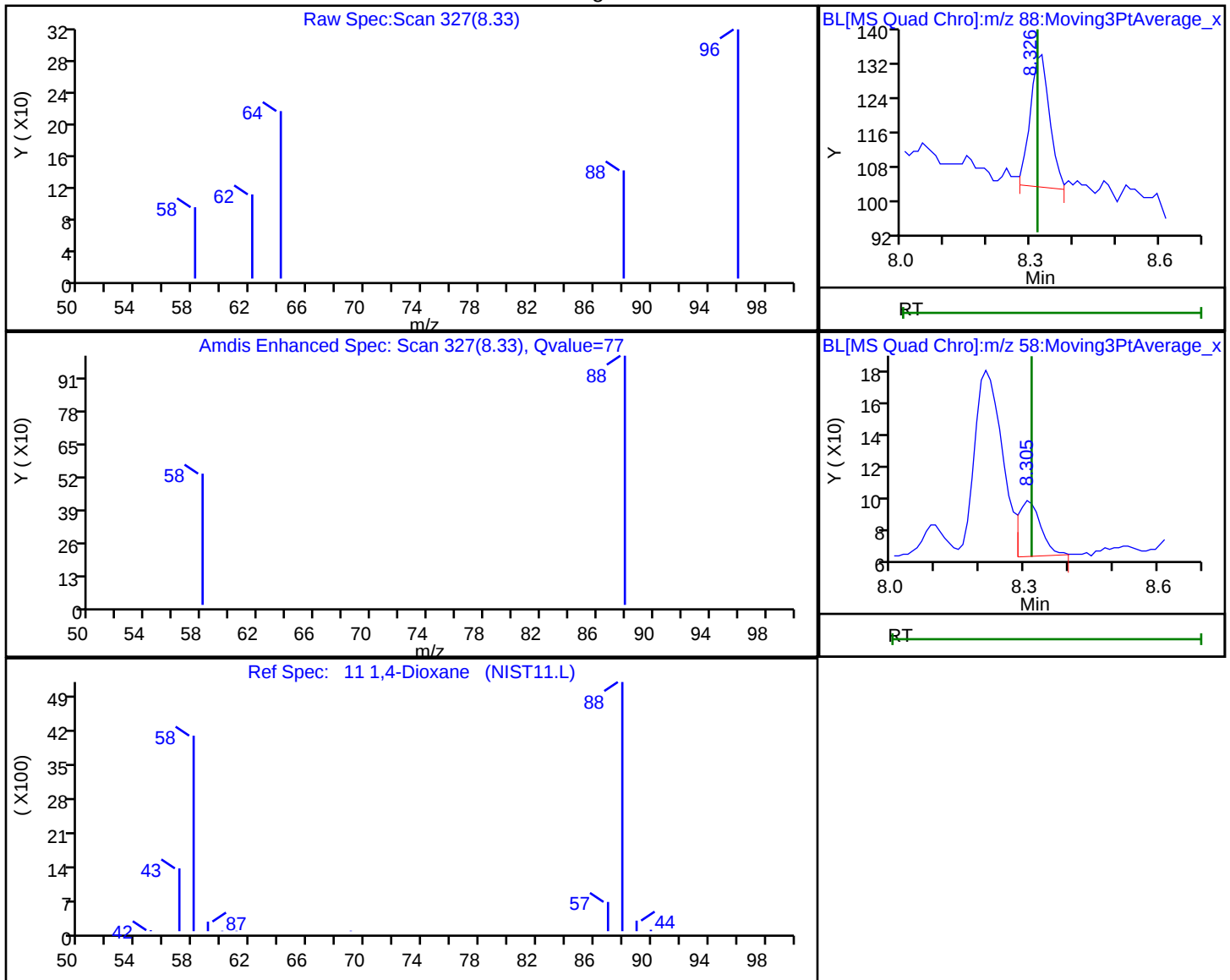
Compound	Amount Added	Amount Recovered	% Rec.
\$ 9 1,4-Dioxane-d8 (Surr)	500.0	406.5	81.31

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\MBL.D
Injection Date: 18-Oct-2024 18:41:53 Instrument ID: GCMS-DM
Lims ID: MBL 810-119074/1-A
Client ID:
Operator ID: TD ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 522_GCMS-DM Limit Group: MSS - 522
Column: CP Select 624 MS (0.25 mm) Detector MS Quad

11 1,4-Dioxane, CAS: 123-91-1

Processing Results



RT	Mass	Response	Amount
8.33	88.00	99	-0.211507
8.31	58.00	115	

Reviewer: JH8B, 25-Oct-2024 12:51:05 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Eaton Analytical South Bend	Job No.: 810-124363-1
SDG No.:	
Client Sample ID:	Lab Sample ID: LCS 810-119074/3-A
Matrix: Drinking Water	Lab File ID: LCS.D
Analysis Method: 522	Date Collected:
Extract. Method: 522	Date Extracted: 10/16/2024 09:09
Sample wt/vol: 100 (mL)	Date Analyzed: 10/18/2024 19:31
Con. Extract Vol.: 2 (mL)	Dilution Factor: 1
Injection Volume: 1 (uL)	GC Column: CPSelect 624 MS ID: 0.25 (mm)
% Moisture: % Solids:	GPC Cleanup: (Y/N) N
Cleanup Factor:	Level: (low/med) Low
Analysis Batch No.: 119495	Units: ug/L
Preparation Batch No.: 119074	Instrument ID: GCMS-DM

CAS NO.	COMPOUND NAME	RESULT	Q	RL
123-91-1	1,4-Dioxane	0.902		0.070

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	78		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\LCS.D
Lims ID: LCS 810-119074/3-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Oct-2024 19:31:17 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0030523-016
Misc. Info.: LCS 810-119074/3-A
Operator ID: TD Instrument ID: GCMS-DM
Raw Data: Smoothed
Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
Limit Group: MSS - 522
Last Update: 28-Oct-2024 15:18:39 Calib Date: 18-Oct-2024 16:38:31
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1637

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.122	6.122	0.000	26	73222	500.0	500.0	
\$ 9 1,4-Dioxane-d8 (Surr)	96	8.243	8.243	0.000	0	42484	500.0	389.1	
11 1,4-Dioxane	88	8.316	8.315	0.001	85	4346	50.0	45.1	

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\LCS.D

Injection Date: 18-Oct-2024 19:31:17

Instrument ID: GCMS-DM

Lims ID: LCS 810-119074/3-A

Client ID:

Operator ID: TD

ALS Bottle#:

0

Worklist Smp#:

16

Injection Vol: 1.0 ul

Dil. Factor:

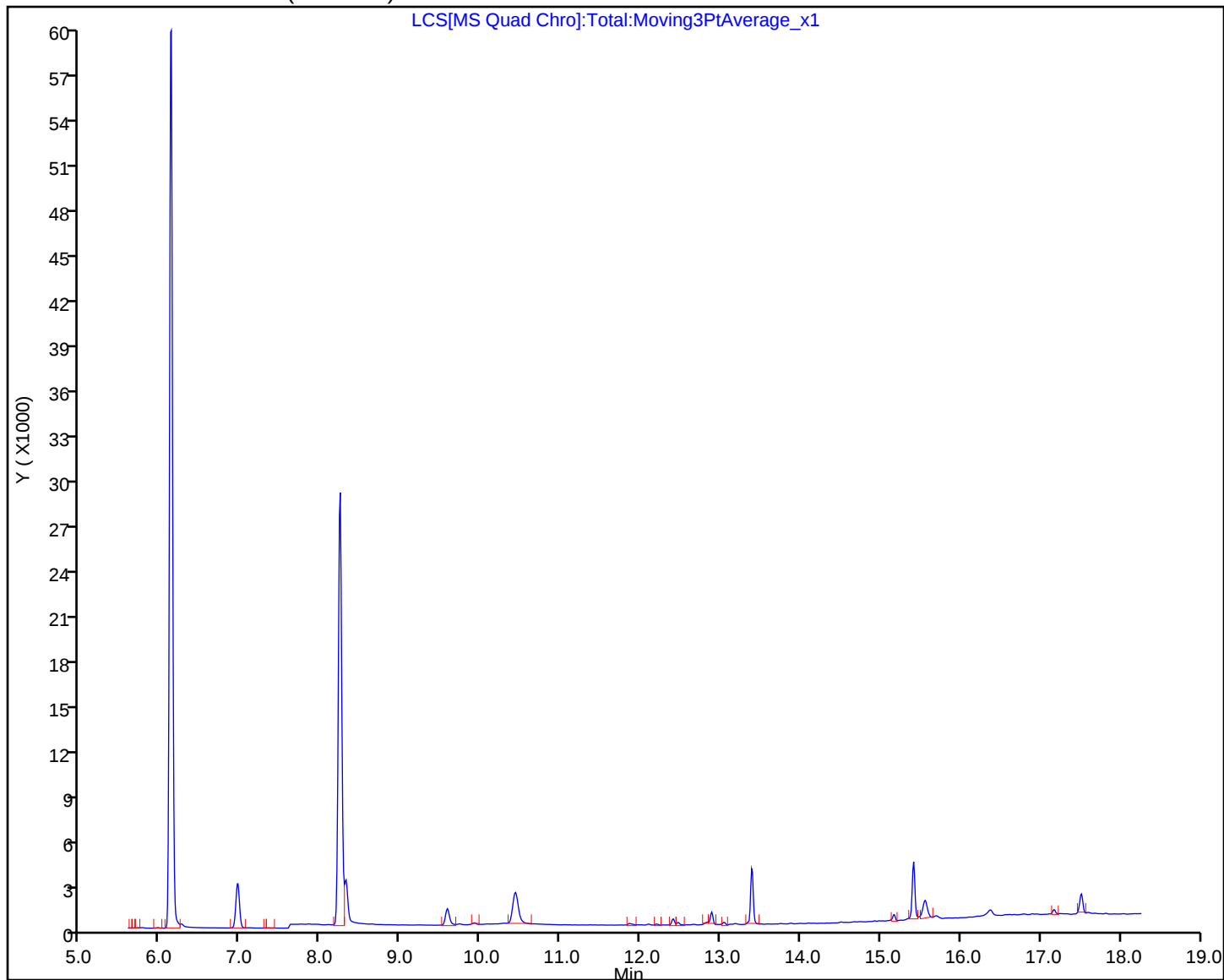
1.0000

Method: 522_GCMS-DM

Limit Group:

MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend
Recovery Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\LCS.D
Lims ID: LCS 810-119074/3-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Oct-2024 19:31:17 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0030523-016
Misc. Info.: LCS 810-119074/3-A
Operator ID: TD Instrument ID: GCMS-DM
Raw Data: Smoothed
Method: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\522_GCMS-DM.m
Limit Group: MSS - 522
Last Update: 28-Oct-2024 15:18:39 Calib Date: 18-Oct-2024 16:38:31
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-DM\20241018-30523.b\IC9.D
Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1637

Compound	Amount Added	Amount Recovered	% Rec.
\$ 9 1,4-Dioxane-d8 (Surr)	500.0	389.1	77.82

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Eaton Analytical South Bend

Job No.: 810-124363-1

SDG No.:

Instrument ID: GCMS-DM

Start Date: 10/18/2024 13:03

Analysis Batch Number: 119495

End Date: 10/21/2024 13:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 810-119495/2		10/18/2024 13:03	1	BFB 2.D	CPSelect 624 MS 0.25 (mm)
IC 810-118678/25-A		10/18/2024 13:19	1	IC1.D	CPSelect 624 MS 0.25 (mm)
IC 810-118678/26-A		10/18/2024 13:44	1	IC2.D	CPSelect 624 MS 0.25 (mm)
IC 810-118678/27-A		10/18/2024 14:09	1	IC3.D	CPSelect 624 MS 0.25 (mm)
IC 810-118678/28-A		10/18/2024 14:34	1	IC4.D	CPSelect 624 MS 0.25 (mm)
ICISAV 810-118678/29-A		10/18/2024 14:59	1	ICISAV.D	CPSelect 624 MS 0.25 (mm)
IC 810-118678/30-A		10/18/2024 15:24	1	IC6 .D	CPSelect 624 MS 0.25 (mm)
IC 810-118678/31-A		10/18/2024 15:49	1	IC7.D	CPSelect 624 MS 0.25 (mm)
IC 810-118678/32-A		10/18/2024 16:13	1	IC8.D	CPSelect 624 MS 0.25 (mm)
IC 810-118678/33-A		10/18/2024 16:38	1	IC9.D	CPSelect 624 MS 0.25 (mm)
CCVLIS 810-119146/1-A		10/18/2024 17:27	1	CCVLIS.D	CPSelect 624 MS 0.25 (mm)
ICV 810-118678/34-A		10/18/2024 17:52	1	ICV.D	CPSelect 624 MS 0.25 (mm)
MBL 810-119074/1-A		10/18/2024 18:41	1	MBL.D	CPSelect 624 MS 0.25 (mm)
LCS 810-119074/3-A		10/18/2024 19:31	1	LCS.D	CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/18/2024 19:56	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/18/2024 20:21	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/18/2024 20:46	1		CPSelect 624 MS 0.25 (mm)
810-124363-1	BPOW-11-HYD-20241008	10/18/2024 21:11	1	810-124363-A-1-A.D	CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/18/2024 21:36	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/18/2024 22:01	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/18/2024 22:26	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/18/2024 22:51	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/18/2024 23:16	1		CPSelect 624 MS 0.25 (mm)
CCVIS 810-119146/2-A		10/18/2024 23:42	1	CCVM.D	CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/19/2024 00:07	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/19/2024 00:57	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (QC)		10/19/2024 01:22	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (QC)		10/19/2024 01:47	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/19/2024 02:12	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/19/2024 02:37	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/19/2024 03:03	1		CPSelect 624 MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-124363-1

SDG No.: _____

Instrument ID: GCMS-DM Start Date: 10/18/2024 13:03Analysis Batch Number: 119495 End Date: 10/21/2024 13:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ (Client)		10/19/2024 03:28	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/19/2024 03:53	1		CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/19/2024 04:19	1		CPSelect 624 MS 0.25 (mm)
CCV 810-119146/3-A		10/19/2024 04:44	1	CCVH.D	CPSelect 624 MS 0.25 (mm)
ZZZZZ (Client)		10/21/2024 12:37	1		CPSelect 624 MS 0.25 (mm)
CCVIS 810-119146/2-A		10/21/2024 13:01	1		CPSelect 624 MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Eaton Analytical Sout Job No.: 810-124363-1

SDG No.: _____

Batch Number: 118678 Batch Start Date: 10/14/24 09:02 Batch Analyst: Bloom, LaurenBatch Method: 522 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	522 IS SS 00213	522-Sur-SS 00112	O-522 CalM 00014	O-522-CalH 00011
IC 810-118678/25		522, 522			2 mL	2 mL	10 uL	10 uL		
IC 810-118678/26		522, 522			2 mL	2 mL	10 uL	10 uL		
IC 810-118678/27		522, 522			2 mL	2 mL	10 uL	10 uL		
IC 810-118678/28		522, 522			2 mL	2 mL	10 uL	10 uL	5 uL	
ICISAV 810-118678/29		522, 522			2 mL	2 mL	10 uL	10 uL	10 uL	
IC 810-118678/30		522, 522			2 mL	2 mL	10 uL	10 uL	20 uL	
IC 810-118678/31		522, 522			2 mL	2 mL	10 uL	10 uL		5 uL
IC 810-118678/32		522, 522			2 mL	2 mL	10 uL	10 uL		10 uL
IC 810-118678/33		522, 522			2 mL	2 mL	10 uL	10 uL		20 uL
ICV 810-118678/34		522, 522			2 mL	2 mL	10 uL	10 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	O-522-QCS-Sub 00007	O522-CalL 00014				
IC 810-118678/25		522, 522				7 uL				
IC 810-118678/26		522, 522				10 uL				
IC 810-118678/27		522, 522				20 uL				
IC 810-118678/28		522, 522								
ICISAV 810-118678/29		522, 522								
IC 810-118678/30		522, 522								
IC 810-118678/31		522, 522								
IC 810-118678/32		522, 522								
IC 810-118678/33		522, 522								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Eaton Analytical Sout Job No.: 810-124363-1

SDG No.: _____

Batch Number: 118678 Batch Start Date: 10/14/24 09:02 Batch Analyst: Bloom, LaurenBatch Method: 522 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	O-522-QCS-Sub 00007	O522-CalL 00014				
ICV 810-118678/34		522, 522			10 uL					

Batch Notes	
MeCL2 ID	1608540
Methanol ID	1576595
SPE Cartridge Lot ID	1473482
Sodium Sulfite ID	1456825
Na2SO4 ID	1604670
Sodium Bisulfate ID	660717
Balance ID	B27
Balance is Level? (Y/N)	yes

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Eaton Analytical Sout Job No.: 810-124363-1

SDG No.: _____

Batch Number: 119074 Batch Start Date: 10/16/24 09:09 Batch Analyst: Bloom, LaurenBatch Method: 522 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	522 IS SS 00213	522-Sur-SS 00112	O-522 CalM 00014	AnalysisComment
MBL 810-119074/1		522, 522			100 mL	2 mL	10 uL	10 uL		Y1
LCS 810-119074/3		522, 522			100 mL	2 mL	10 uL	10 uL	10 uL	Y3
810-124363-A-1	BPOW-11-HYD-20241008	522, 522	aking W	T	100 mL	2 mL	10 uL	10 uL		X4

Batch Notes	
MeCL2 ID	1608540
Methanol ID	1539547
SPE Cartridge Lot ID	1473485
Sodium Sulfite ID	1456825
Na2SO4 ID	1604670
Sodium Bisulfate ID	660717
Balance ID	B27
Balance is Level? (Y/N)	yes

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Eaton Analytical Sout Job No.: 810-124363-1

SDG No.: _____

Batch Number: 119146 Batch Start Date: 10/16/24 12:42 Batch Analyst: Bloom, LaurenBatch Method: 522 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	522 IS SS 00213	522-Sur-SS 00112	O-522 CalM 00014	O-522-CalH 00011
CCVLIS 810-119146/1		522, 522			2 mL	2 mL	10 uL	10 uL		
CCVIS 810-119146/2		522, 522			2 mL	2 mL	10 uL	10 uL	10 uL	
CCV 810-119146/3		522, 522			2 mL	2 mL	10 uL	10 uL		10 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	O522-CalL 00014					
CCVLIS 810-119146/1		522, 522			7 uL					
CCVIS 810-119146/2		522, 522								
CCV 810-119146/3		522, 522								

Batch Notes	
MeCL2 ID	1608540
Balance ID	B27
Balance is Level? (Y/N)	yes

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

CHEMTECH CHAIN OF CUSTODY RECORD		284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922 www.chemtech.net		Chemtech Project Number: P4365/66										
				COC Number:										
CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION										
COMPANY: Tetra Tech		PROJECT NAME: NWIRP Bethpage		BILL TO: SEE CONTRACT PO#										
ADDRESS: 4433 Corporation Lane Suite 300		PROJECT #: 112G08005-WE13 LOCATION: VPB-196		ADDRESS:										
CITY: Virginia Beach STATE: VA ZIP: 23462		PROJECT MANAGER: Ernie Wu		CITY: STATE: ZIP:										
ATTENTION: Ernie Wu		E-MAIL: ernie.wu@tetratech.com		ATTENTION: PHONE:										
PHONE: 757-466-4901 FAX: 757-461-4148		PHONE: 757-466-4901 FAX: 757-461-4148												
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS										
FAX: _____ 2 & 10 _____ DAYS* HARD COPY: _____ 2 & 10 _____ DAYS* EDD _____ 2 & 10 _____ DAYS* * TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD Format _____		VOC(SW846-8260B) 1,4 Dioxane (8270 SIM) 1,4 Dioxane (822) <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> </tr> </table>		1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9						
				PRESERVATIVES										
				COMMENTS										
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP GRAB	SAMPLE COLLECTION DATE TIME	# of Bottles									
1.	BPOW6-11-HYD-20241008	AQ	X	10/8/24 10:00	5									
2.	BPOW6-11-TB-20241008	QA	X	10/8/24 9:00	2									
3.														
4.														
5.														
6.														
7.														
8.														
9.														
10.														

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY					
RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2-9°C MeOH extraction requires an additional 4oz. Jar for percent solid Comments: Standard TAT		
1.	10/8/24 1700	1. _____			
RELINQUISHED BY	DATE/TIME	RECEIVED BY			
2.	10-9-24 1000	2.	SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight CHEMTECH: ☐ Picked Up ☐ Overnight		
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY			
3.		3.	Page <u>1</u> of <u>1</u>		
			Shipment Complete ☐ YES ☐ NO		

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
WWW.CHEMTECH.NET

24100881

Sub Lab INFORMATION		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION	
COMPANY : EUROFINIS Eaton Analytical South Bend	ORDER ID : P4366	BILL TO: CHEMTECH	PO # : P4366		
ADDRESS : 110 South Hill Street	PROJECT ID: CTO WE13	ADDRESS : 284, Sheffield Street			
CITY: South Bend State : IN ZIP : 46617	PROJECT MANAGER Yazmeen	CITY: Mountainside State : NJ ZIP : 07092			
E-mail :	E-mail : YAZMEEN@CHEMTECH.NET	ATTENTION : Yazmeen			
PHONE : 330-253-8211	PHONE : (908) 789 8900	FAX: (908) 789 8922	PHONE : (908) 789 8900	FAX : (908) 789 8922	

EDD : ADAPT **Report :** Level 4+Level 2+ RAW DATA **Comment :** *DOD (REPORT TO THE LOD AND INCLUDE PRESENTATION OF THE LOQ & DL)

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION		# OF BOTTLES	TAT DAYS
01	BROW-11-HYD-20241008	Water	1, 4 Dioxane	1:1 HNO3 to pH < 2	522	DATE	TIME	2	10
						10/08/2024	10:00:00		

Initial Temp: 3.0
Corrected Temp: 2.4
IR Gun # 18

we

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: 10/9/24	RECEIVED BY: 1. [Signature]	DATE/TIME: 10/9/24	RECEIVED BY: 2. 10/10/24	CONDITIONS OF BOTTLES OR COOLERS AT RECEIPT:	☐ Compliant	☐ Non Compliant	Cooler Temp
RELINQUISHED BY: [Signature]	DATE/TIME: 10/14/24	RECEIVED BY: 3. [Signature]	DATE/TIME: 10/15/24	RECEIVED BY: 3. [Signature]	Fedex 1310 5.6-0.1=5.5	☐ OVERNIGHT	☐ OVERNIGHT	Shipment Complete: ☐ YES ☐ NO

Fedex Trk # 7791 3012 1449

54100881

Login Sample Receipt Checklist

Client: Chemtech Consulting Group Inc.

Job Number: 810-124363-1

Login Number: 124363

List Number: 1

Creator: DePriest, Kellie

List Source: Eurofins Eaton Analytical South Bend

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
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	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	