284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

DATA PACKAGE

SUB - DATA

PROJECT NAME : NAVFAC NWIRP BETHPAGE, NY SITE 1 OU-2 - 32258

AECOM TECHNICAL SERVICES, INC.

13640 Briarwick Drive

Austin, TX - 78729

Phone No: 512-454-4797

ORDER ID : Q1558

ATTENTION : Eleanor Vivadou

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Cover Page

Order ID : Q1558

Project ID : NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
Q1558-01	BPOW6-7-20250312
Q1558-02	BPOW6-8-20250312
Q1558-03	BPOW6-9-20250312
Q1558-04	BPOW6-9-20250312MS
Q1558-05	BPOW6-9-20250312MSD
Q1558-06	BPOW6-10-20250312
Q1558-07	BPOW6-11-20250312
Q1558-08	DUP04-20250312

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: 3/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/20/2025 8:15 AM

JOB DESCRIPTION

1,4 Dioxane

JOB NUMBER

810-141400-1

Eurofins Eaton Analytical South Bend
110 S Hill Street
South Bend IN 46617

See page two for job notes and contact information.

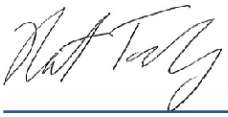
Eurofins Eaton Analytical South Bend

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

Table of Contents

Table of Contents

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
810-141400-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/14/2025 8:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°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: 810-141400-1

Client Sample ID: BPOW6-7-20250312 — Lab Sample ID: 810-141400-1

No Detections.

Client Sample ID: BPOW6-8-20250312 — Lab Sample ID: 810-141400-2

No Detections.

Client Sample ID: BPOW6-9-20250312 — Lab Sample ID: 810-141400-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.064	J	0.070	0.062	ug/L	1		522	Total/NA

Client Sample ID: BPOW6-10-20250312 — Lab Sample ID: 810-141400-4

No Detections.

Client Sample ID: BPOW6-11-20250312 — Lab Sample ID: 810-141400-5

No Detections.

Client Sample ID: DUP04-20250312 — Lab Sample ID: 810-141400-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: BPOW6-7-20250312 — Lab Sample ID: 810-141400-1

Date Collected: 03/12/25 09:50 — **Matrix: Drinking Water**
Date Received: 03/14/25 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.062		0.070	0.062	ug/L		03/18/25 08:19	03/18/25 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*89*		*70 - 130*	*03/18/25 08:19*	*03/18/25 17:08*	*1*

Client Sample ID: BPOW6-8-20250312 — Lab Sample ID: 810-141400-2

Date Collected: 03/12/25 09:55 — **Matrix: Drinking Water**
Date Received: 03/14/25 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.062		0.070	0.062	ug/L		03/18/25 08:19	03/18/25 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*88*		*70 - 130*	*03/18/25 08:19*	*03/18/25 17:30*	*1*

Client Sample ID: BPOW6-9-20250312 — Lab Sample ID: 810-141400-3

Date Collected: 03/12/25 09:30 — **Matrix: Drinking Water**
Date Received: 03/14/25 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**0.064**	**J**	0.070	0.062	ug/L		03/18/25 08:19	03/18/25 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*90*		*70 - 130*	*03/18/25 08:19*	*03/18/25 22:14*	*1*

Client Sample ID: BPOW6-10-20250312 — Lab Sample ID: 810-141400-4

Date Collected: 03/12/25 10:30 — **Matrix: Drinking Water**
Date Received: 03/14/25 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.062		0.070	0.062	ug/L		03/18/25 08:19	03/18/25 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*86*		*70 - 130*	*03/18/25 08:19*	*03/18/25 17:52*	*1*

Client Sample ID: BPOW6-11-20250312 — Lab Sample ID: 810-141400-5

Date Collected: 03/12/25 10:10 — **Matrix: Drinking Water**
Date Received: 03/14/25 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.062		0.070	0.062	ug/L		03/18/25 08:19	03/18/25 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*84*		*70 - 130*	*03/18/25 08:19*	*03/18/25 18:13*	*1*

Client Sample ID: DUP04-20250312
Date Collected: 03/12/25 00:00
Date Received: 03/14/25 08:45

Lab Sample ID: 810-141400-6
Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.062		0.070	0.062	ug/L		03/18/25 08:19	03/18/25 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*87*		*70 - 130*	*03/18/25 08:19*	*03/18/25 18:35*	*1*

Default Detection Limits

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

Job ID: 810-141400-1

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

Prep: 522

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

Surrogate Summary

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

Job ID: 810-141400-1

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)							
810-141400-1	BPOW6-7-20250312	89							
810-141400-2	BPOW6-8-20250312	88							
810-141400-3	BPOW6-9-20250312	90							
810-141400-3 MS	BPOW6-9-20250312MS	89							
810-141400-3 MSD	BPOW6-9-20250312MSD	86							
810-141400-4	BPOW6-10-20250312	86							
810-141400-5	BPOW6-11-20250312	84							
810-141400-6	DUP04-20250312	87							
LCS 810-136989/3-A	Lab Control Sample	86							
LLCS 810-136989/2-A	Lab Control Sample	89							
MBL 810-136989/1-A	Method Blank	88							

Surrogate Legend

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

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

Lab Sample ID: MBL 810-136989/1-A
Matrix: Drinking Water
Analysis Batch: 137062

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 136989

Analyte	MBL Result	MBL Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	<0.062		0.070	0.062	ug/L		03/18/25 08:19	03/18/25 15:42	1

Surrogate	*MBL %Recovery*	*MBL Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8 (Surr)	*88*		*70 - 130*	*03/18/25 08:19*	*03/18/25 15:42*	*1*

Lab Sample ID: LCS 810-136989/3-A
Matrix: Drinking Water
Analysis Batch: 137062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136989

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			10.0	8.32		ug/L		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8 (Surr)	*86*		*70 - 130*

Lab Sample ID: LLCS 810-136989/2-A
Matrix: Drinking Water
Analysis Batch: 137062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136989

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			0.0700	<0.062		ug/L		87	50 - 150		

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,4-Dioxane-d8 (Surr)	*89*		*70 - 130*

Lab Sample ID: 810-141400-3 MS
Matrix: Drinking Water
Analysis Batch: 137062

Client Sample ID: BPOW6-9-20250312MS
Prep Type: Total/NA
Prep Batch: 136989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane	0.064	J	1.00	0.880		ug/L		82	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Dioxane-d8 (Surr)	*89*		*70 - 130*

Lab Sample ID: 810-141400-3 MSD
Matrix: Drinking Water
Analysis Batch: 137062

Client Sample ID: BPOW6-9-20250312MSD
Prep Type: Total/NA
Prep Batch: 136989

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	0.064	J	1.00	0.909		ug/L		84	70 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Dioxane-d8 (Surr)	*86*		*70 - 130*

QC Association Summary

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

Job ID: 810-141400-1

GC/MS Semi VOA

Prep Batch: 136989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-141400-1	BPOW6-7-20250312	Total/NA	Drinking Water	522	
810-141400-2	BPOW6-8-20250312	Total/NA	Drinking Water	522	
810-141400-3	BPOW6-9-20250312	Total/NA	Drinking Water	522	
810-141400-4	BPOW6-10-20250312	Total/NA	Drinking Water	522	
810-141400-5	BPOW6-11-20250312	Total/NA	Drinking Water	522	
810-141400-6	DUP04-20250312	Total/NA	Drinking Water	522	
MBL 810-136989/1-A	Method Blank	Total/NA	Drinking Water	522	
LCS 810-136989/3-A	Lab Control Sample	Total/NA	Drinking Water	522	
LLCS 810-136989/2-A	Lab Control Sample	Total/NA	Drinking Water	522	
810-141400-3 MS	BPOW6-9-20250312MS	Total/NA	Drinking Water	522	
810-141400-3 MSD	BPOW6-9-20250312MSD	Total/NA	Drinking Water	522	

Analysis Batch: 137062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-141400-1	BPOW6-7-20250312	Total/NA	Drinking Water	522	136989
810-141400-2	BPOW6-8-20250312	Total/NA	Drinking Water	522	136989
810-141400-3	BPOW6-9-20250312	Total/NA	Drinking Water	522	136989
810-141400-4	BPOW6-10-20250312	Total/NA	Drinking Water	522	136989
810-141400-5	BPOW6-11-20250312	Total/NA	Drinking Water	522	136989
810-141400-6	DUP04-20250312	Total/NA	Drinking Water	522	136989
MBL 810-136989/1-A	Method Blank	Total/NA	Drinking Water	522	136989
LCS 810-136989/3-A	Lab Control Sample	Total/NA	Drinking Water	522	136989
LLCS 810-136989/2-A	Lab Control Sample	Total/NA	Drinking Water	522	136989
810-141400-3 MS	BPOW6-9-20250312MS	Total/NA	Drinking Water	522	136989
810-141400-3 MSD	BPOW6-9-20250312MSD	Total/NA	Drinking Water	522	136989

Lab Chronicle

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

Job ID: 810-141400-1

Client Sample ID: BPOW6-7-20250312
Lab Sample ID: 810-141400-1
Date Collected: 03/12/25 09:50
Matrix: Drinking Water
Date Received: 03/14/25 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	522			136989	LB	EA SB	03/18/25 08:19
Total/NA	Analysis	522		1	137062	MW	EA SB	03/18/25 17:08

Client Sample ID: BPOW6-8-20250312
Lab Sample ID: 810-141400-2
Date Collected: 03/12/25 09:55
Matrix: Drinking Water
Date Received: 03/14/25 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	522			136989	LB	EA SB	03/18/25 08:19
Total/NA	Analysis	522		1	137062	MW	EA SB	03/18/25 17:30

Client Sample ID: BPOW6-9-20250312
Lab Sample ID: 810-141400-3
Date Collected: 03/12/25 09:30
Matrix: Drinking Water
Date Received: 03/14/25 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	522			136989	LB	EA SB	03/18/25 08:19
Total/NA	Analysis	522		1	137062	MW	EA SB	03/18/25 22:14

Client Sample ID: BPOW6-10-20250312
Lab Sample ID: 810-141400-4
Date Collected: 03/12/25 10:30
Matrix: Drinking Water
Date Received: 03/14/25 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	522			136989	LB	EA SB	03/18/25 08:19
Total/NA	Analysis	522		1	137062	MW	EA SB	03/18/25 17:52

Client Sample ID: BPOW6-11-20250312
Lab Sample ID: 810-141400-5
Date Collected: 03/12/25 10:10
Matrix: Drinking Water
Date Received: 03/14/25 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	522			136989	LB	EA SB	03/18/25 08:19
Total/NA	Analysis	522		1	137062	MW	EA SB	03/18/25 18:13

Client Sample ID: DUP04-20250312
Lab Sample ID: 810-141400-6
Date Collected: 03/12/25 00:00
Matrix: Drinking Water
Date Received: 03/14/25 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	522			136989	LB	EA SB	03/18/25 08:19
Total/NA	Analysis	522		1	137062	MW	EA SB	03/18/25 18:35

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. Job ID: 810-141400-1
Project/Site: 1,4 Dioxane

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	02-28-26
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	24-012R	07-15-25
Hawaii	State	IN035	06-30-25
Idaho (DW)	State	IN00035	12-31-25
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	098	11-01-25
Kansas	NELAP	E-10233	10-31-25
Kentucky (DW)	State	KY90056	12-31-25
Louisiana (DW)	State	LA014	12-31-25
Maine	State	IN00035	05-01-25
Maryland	State	209	06-30-25
Massachusetts	State	M-IN035	06-30-25
MI - RadChem Recognition	State	9926	06-01-25
Michigan	State	9926	12-31-25
Minnesota	NELAP	018-999-338	12-31-25
Mississippi	State	IN00035	06-30-25
Missouri	State	880	09-30-27
Montana (DW)	State	CERT0026	01-01-26
Nebraska	State	NE-OS-05-04	06-30-25
Nevada	State	NV-C24-00276	07-31-25
New Hampshire	NELAP	2124	11-05-25
New Jersey	NELAP	IN598	06-30-25
New Mexico	State	IN00035	06-30-25
New York	NELAP	11398	04-01-25

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	08-31-25
Oregon	NELAP	4156	09-16-25
Pennsylvania	NELAP	68-00466	04-30-25
Puerto Rico	State	IN00035	04-01-25
Rhode Island	State	LAO00343	12-30-25
South Carolina	State	95005001	06-30-25
South Dakota (DW)	State	IN00035	06-30-25
Tennessee	State	TN02973	06-30-25
Texas	NELAP	T104704187	12-31-25
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	12-28-25
Virginia	NELAP	460275	03-14-26
Washington	State	C837	01-01-26
West Virginia (DW)	State	9927 C	01-31-26
Wisconsin	State	999766900	08-31-25
Wisconsin (Micro)	State	10121	12-31-25
Wyoming	State	8TMS-L	06-30-25

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

Method Summary

Client: Chemtech Consulting Group Inc.
Job ID: 810-141400-1
Project/Site: 1,4 Dioxane

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: 810-141400-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
810-141400-1	BPOW6-7-20250312	Drinking Water	03/12/25 09:50	03/14/25 08:45
810-141400-2	BPOW6-8-20250312	Drinking Water	03/12/25 09:55	03/14/25 08:45
810-141400-3	BPOW6-9-20250312	Drinking Water	03/12/25 09:30	03/14/25 08:45
810-141400-4	BPOW6-10-20250312	Drinking Water	03/12/25 10:30	03/14/25 08:45
810-141400-5	BPOW6-11-20250312	Drinking Water	03/12/25 10:10	03/14/25 08:45
810-141400-6	DUP04-20250312	Drinking Water	03/12/25 00:00	03/14/25 08:45

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Instrument ID: GCMS-FE Analysis Batch Number: 134118

Lab Sample ID: IC 810-134052/4-A Client Sample ID:

Date Analyzed: 02/21/25 13:33 Lab File ID: IC 007.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.45	Incomplete Integration	JH8B	02/22/25 09:05

Lab Sample ID: IC 810-134052/5-A Client Sample ID:

Date Analyzed: 02/21/25 13:55 Lab File ID: IC 01.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.46	Baseline	JH8B	02/21/25 14:20

Lab Sample ID: IC 810-134052/6-A Client Sample ID:

Date Analyzed: 02/21/25 14:17 Lab File ID: IC 02.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.46	Incomplete Integration	JH8B	02/22/25 09:05

Lab Sample ID: IC 810-134052/7-A Client Sample ID:

Date Analyzed: 02/21/25 14:39 Lab File ID: IC 05.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.46	Incomplete Integration	JH8B	02/22/25 09:05

Lab Sample ID: IC 810-134052/8-A Client Sample ID:

Date Analyzed: 02/21/25 15:02 Lab File ID: IC 1.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.46	Incomplete Integration	JH8B	02/22/25 09:05

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GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Instrument ID: GCMS-FE Analysis Batch Number: 134118

Lab Sample ID: IC 810-134052/11-A Client Sample ID:

Date Analyzed: 02/21/25 16:08 Lab File ID: IC 10.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.46	Incomplete Integration	JH8B	02/22/25 09:06

Lab Sample ID: ICISAV 810-134052/12-A Client Sample ID:

Date Analyzed: 02/21/25 16:30 Lab File ID: IC 20.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.46	Incomplete Integration	JH8B	02/22/25 09:06

Lab Sample ID: IC 810-134052/13-A Client Sample ID:

Date Analyzed: 02/21/25 16:52 Lab File ID: IC 50.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.45	Incomplete Integration	JH8B	02/22/25 09:06

Lab Sample ID: ICV 810-134052/15-A Client Sample ID:

Date Analyzed: 02/21/25 18:21 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	8.46	Incomplete Integration	JH8B	02/22/25 09:06

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Instrument ID: GCMS-FE Analysis Batch Number: 137062

Lab Sample ID: CCVLIS 810-137036/1-A Client Sample ID:

Date Analyzed: 03/18/25 14:59 Lab File ID: CCVL.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.60	Baseline	D5UB	03/19/25 09:22

Lab Sample ID: MBL 810-136989/1-A Client Sample ID:

Date Analyzed: 03/18/25 15:42 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	8.60	Baseline	D5UB	03/19/25 09:23

Lab Sample ID: LLCS 810-136989/2-A Client Sample ID:

Date Analyzed: 03/18/25 16:04 Lab File ID: LLCS.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.60	Baseline	D5UB	03/19/25 09:24

Lab Sample ID: LCS 810-136989/3-A Client Sample ID:

Date Analyzed: 03/18/25 16:25 Lab File ID: LCS.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.60	Baseline	D5UB	03/19/25 09:25

Lab Sample ID: 810-141400-1 Client Sample ID: BPOW6-7-20250312

Date Analyzed: 03/18/25 17:08 Lab File ID: 810-141400-A-1-A.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.61	Baseline	D5UB	03/19/25 09:27

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Instrument ID: GCMS-FE Analysis Batch Number: 137062

Lab Sample ID: 810-141400-2 Client Sample ID: BPOW6-8-20250312

Date Analyzed: 03/18/25 17:30 Lab File ID: 810-141400-A-2-A.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.60	Baseline	D5UB	03/19/25 09:28

Lab Sample ID: 810-141400-4 Client Sample ID: BPOW6-10-20250312

Date Analyzed: 03/18/25 17:52 Lab File ID: 810-141400-A-4-A.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.60	Baseline	D5UB	03/19/25 09:31

Lab Sample ID: 810-141400-5 Client Sample ID: BPOW6-11-20250312

Date Analyzed: 03/18/25 18:13 Lab File ID: 810-141400-A-5-A.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.61	Baseline	D5UB	03/19/25 09:44

Lab Sample ID: 810-141400-6 Client Sample ID: DUP04-20250312

Date Analyzed: 03/18/25 18:35 Lab File ID: 810-141400-A-6-A.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.61	Baseline	D5UB	03/19/25 09:45

Lab Sample ID: CCVIS 810-137036/2-A Client Sample ID:

Date Analyzed: 03/18/25 20:25 Lab File ID: CCVM.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.60	Baseline	D5UB	03/19/25 09:52

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GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Instrument ID: GCMS-FE Analysis Batch Number: 137062

Lab Sample ID: 810-141400-3 Client Sample ID: BPOW6-9-20250312

Date Analyzed: 03/18/25 22:14 Lab File ID: 810-141400-A-3-C.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.61	Baseline	D5UB	03/19/25 09:59

Lab Sample ID: 810-141400-3 MS Client Sample ID: BPOW6-9-20250312MS MS

Date Analyzed: 03/18/25 22:36 Lab File ID: 810-141400-A-3-A MS.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.61	Baseline	D5UB	03/19/25 10:02

Lab Sample ID: 810-141400-3 MSD Client Sample ID: BPOW6-9-20250312MSD MSD

Date Analyzed: 03/18/25 22:58 Lab File ID: 810-141400-A-3-B MSD.D GC Column: CPSelect 624 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	8.61	Baseline	D5UB	03/19/25 10:03

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
522 IS SS_00228	03/04/25	02/18/25	MeCl2, Lot EJ007-US	2 mL	522 IS Stock_00032	200 uL	Tetrahydrofuran-d8	100 ug/mL
.522 IS Stock_00032	10/25/28	02/18/25	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 IS SS_00230	03/25/25	03/11/25	MeCl2, Lot EJ007-US	2 mL	522 IS Stock_00032	200 uL	Tetrahydrofuran-d8	100 ug/mL
.522 IS Stock_00032	10/25/28	02/18/25	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_00125	08/18/25	02/18/25	Methanol, Lot 23I0726004	2 mL	522-SUR-Stock_00021	100 uL	1,4-Dioxane-d8 (Surr)	100 ug/mL
.522-SUR-Stock_00021	02/28/26	12/26/24		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
522-Sur-SS_00127	09/11/25	03/11/25	Methanol, Lot 23I0762004	2 mL	522-SUR-Stock_00021	100 uL	1,4-Dioxane-d8 (Surr)	100 ug/mL
.522-SUR-Stock_00021	02/28/26	12/26/24		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_00016	07/21/25	01/21/25	Methanol, Lot 23i0762004	2 mL	522 AnalyteST_00003	10 uL	1,4-Dioxane	10 ug/mL
.522 AnalyteST_00003	05/31/26	10/22/24	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_00015	08/19/25	02/19/25	Methanol, Lot 23I0762004	2 mL	522 AnalyteST_00003	100 uL	1,4-Dioxane	100 ug/mL
.522 AnalyteST_00003	05/31/26	10/22/24	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_00016	09/11/25	03/11/25	Methanol, Lot 23I0762004	2 mL	522 AnalyteST_00003	100 uL	1,4-Dioxane	100 ug/mL
.522 AnalyteST_00003	05/31/26	10/22/24	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_00010	07/23/25	01/23/25	Methanol, Lot 23I0762004	2 mL	522-QCS_00006	20 uL	1,4-Dioxane	10 ug/mL
.522-QCS_00006	10/21/32	AccuStandard, Lot 222101299			(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
O-522BFBSUB_00018	04/23/25	01/23/25	MeCl2, Lot EJ007-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_00020	08/10/25	02/19/25	Methanol, Lot 23I0762004	2 mL	O-522-CalH_00015	20 uL	1,4-Dioxane	1 ug/mL
.O-522-CalH_00015	08/19/25	02/19/25	Methanol, Lot 23I0762004	2 mL	522 AnalyteST_00003	100 uL	1,4-Dioxane	100 ug/mL
..522 AnalyteST_00003	05/31/26	10/22/24	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
O522-CalL_00021	09/11/25	03/11/25	Methanol, Lot 23I0762004	2 mL	O-522-CalH_00016	20 uL	1,4-Dioxane	1 ug/mL
.O-522-CalH_00016	09/11/25	03/11/25	Methanol, Lot 23I0762004	2 mL	522 AnalyteST_00003	100 uL	1,4-Dioxane	100 ug/mL
..522 AnalyteST_00003	05/31/26	10/22/24	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

Recd: 12/14/2021 HMS

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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	2,019.2 µg/mL	+/- 11.8498 µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBM5092)		+/- 43.2613 µg/mL	Unstressed
	Purity 99%		+/- 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)

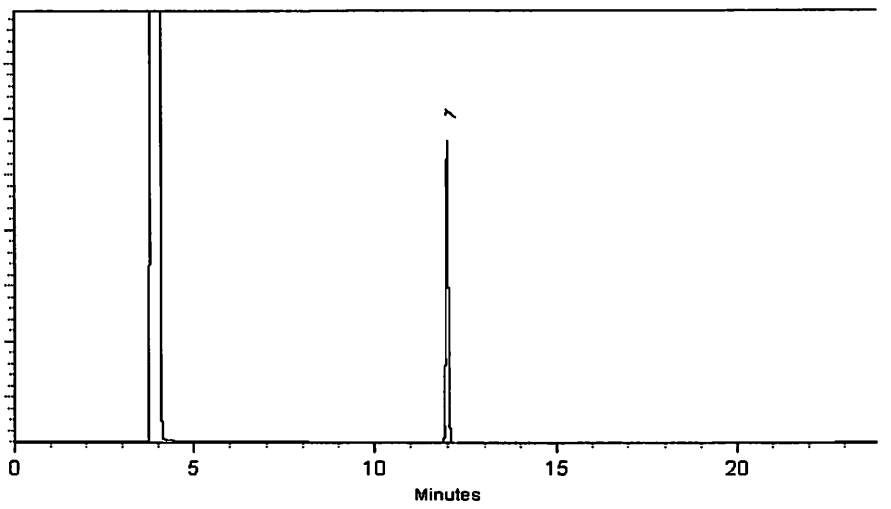
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Marline 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:

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

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

Recd 03/08/2024
HMK

CERTIFIED WEIGHT REPORT

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

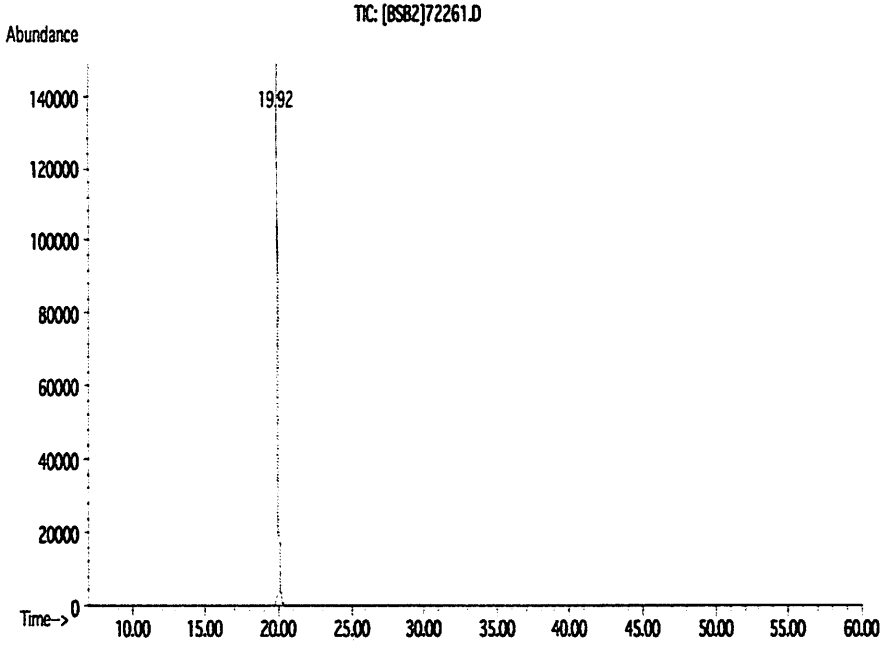
Solvent(s): Methanol **Lot#** EG359-US

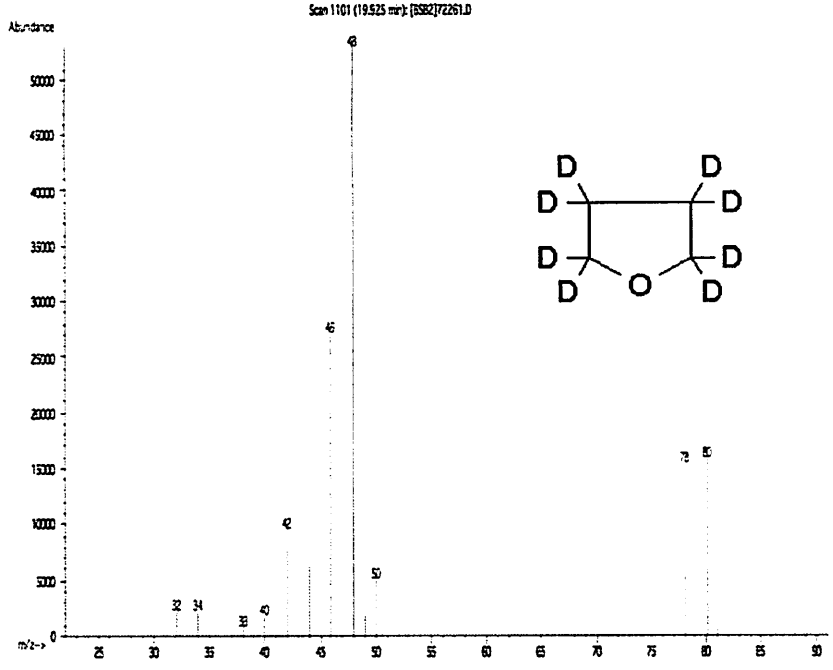
Expiration Date: 102528
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Eli Aliaga	102523	
Formulated By: Eli Aliaga		DATE
Pedro Rentas	102523	
Reviewed By: Pedro L. Rentas		DATE

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-SUR-Stock_00011

522 SS

eurofins | Eaton Analytical

Standard Reagent Extraction Disk Validation & Expiration Extension Form

☒ New validation — Manufacture's expiration date: 02/28/2026

☐ Expiration extension (neat) — New expiration date: _____

☐ Expiration extension (stock) — New expiration date: _____

Product type: Standard ☒ Reagent ☐ Disk/Cartridge ☐ pH Paper ☐

Product name: 1,4-dioxane-d8 Standard Received date: 06/19/2023
(Name of product as it appears on the vendor label)

Manufacturer: Restek Part or Catalog #: 30614 Lot #: A0195206

To be used for method(s): _____ as QC type(s): _____

Container number(s) if applicable: _____
(from Reagent Module, if applicable)

Sample type prepared: CCVCK
(e.g. MB, CCVCK, etc.)

Prep batch ID if applicable: 63134/63398 Prepared by: AD Prep date: 6/20/23 6/22/23

Control sample type: CCVCK Vendor: _____ Lot #: _____
(e.g. CCV, ICV, etc.)

Method of analysis: 522 Instrument ID: FE AD Batch#: 63456

Analyzed by: Taylor Denny Analysis date: 06/22/2023

Attached documentation: RPD & Acceptance Criteria: ≤15
(e.g. RPD calc, data...)

When Required:
Technical Manager Approved by: _____ Date: _____
(Signature)

Acceptable to use: ☐ Yes Justification: ☐ Passing RPD/Recovery ☐ Other: _____

☐ No Explain problem and corrective action taken: _____

Quality Assurance Approved by: GAG Date: 06/29/23
(Signature)

Acceptable to use: ☑ Yes

☐ No Returned to lab due to: _____

Comments: _____

06/19/2023 NMS Read 06/19/2023 NMS

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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. : 30614 **Lot No.:** A0195206

Description : 1,4-dioxane-d8 Standard

1,4-dioxane-d8 Standard 2000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane-d8	17647-74-4	RP230202	99%	2,010.7 µg/mL	+/- 25.0233

* Expanded Uncertainty displayed in same units as Grav. Conc.

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

Quality Confirmation Test

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.)

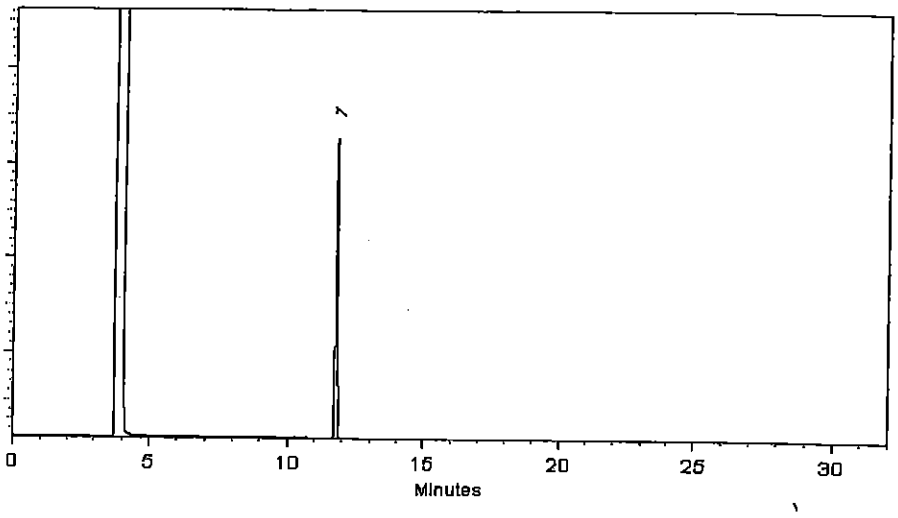
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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.

Jess Hoy - Operations Tech I

Date Mixed: 27-Feb-2023 Balance Serial # 1128342314

Jennifer Polifno - Operations Tech III - ARM QC

Date Passed: 03-Mar-2023

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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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 ampuls. 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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

522 1,4-Dioxane-d8 Lot A0195206

Compound	CCVIS	CCVCK	RPD	RPD limit
1,4-Dioxane-d8 (area)	47744	43222	9.9	15
1,4-Dioxane-d8 (amount)	471.79	465.74	1.3	15

Reagent

O-522-BFB_00003

Rec'd eb 07/06/2022 HMS
01/01/2022 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

	CERTIFIED VALUES			
Component Name	Concentration	Expanded Uncertainty	CAS#	Analyte Lot
4-bromofluorobenzene	2009	± 10 µg/mL	000460-00-4	RM12164

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/NCSL 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.

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

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.: 810-141400-1

SDG No.:

Matrix: Drinking Water Level: Low

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

Client Sample ID	Lab Sample ID	DXE #
BPOW6-7-20250312	810-141400-1	89
BPOW6-8-20250312	810-141400-2	88
BPOW6-9-20250312	810-141400-3	90
BPOW6-10-20250312	810-141400-4	86
BPOW6-11-20250312	810-141400-5	84
DUP04-20250312	810-141400-6	87
	LCS 810-136989/3-A	86
	LLCS 810-136989/2-A	89
BPOW6-9-20250312MS MS	810-141400-3 MS	89
BPOW6-9-20250312MS D MSD	810-141400-3 MSD	86
	MBL 810-136989/1-A	88

	QC LIMITS
DXE = 1,4-Dioxane-d8 (Surr)	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 Bend Job No.: 810-141400-1

SDG No.:

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

Lab ID: LCS 810-136989/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	10.0	8.32	83	70-130	

Column to be used to flag recovery and RPD values

FORM III 522

FORM III
GC/MS SEMI VOA LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

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

Lab ID: LLCS 810-136989/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LLCS CONCENTRATION (ug/L)	LLCS % REC	QC LIMITS REC	#
1,4-Dioxane	0.0700	<0.062	87	50-150	

Column to be used to flag recovery and RPD values

FORM III 522

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Matrix: Drinking Water Level: Low Lab File ID: 810-141400-A-3-A MS.D

Lab ID: 810-141400-3 MS Client ID: BPOW6-9-20250312MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,4-Dioxane	1.00	0.064 J	0.880	82	70-130	

Column to be used to flag recovery and RPD values

FORM III 522

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Matrix: Drinking Water Level: Low Lab File ID: 810-141400-A-3-B MSD.D

Lab ID: 810-141400-3 MSD Client ID: BPOW6-9-20250312MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	1.00	0.909	84	3	30	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.: 810-141400-1

SDG No.:

Lab File ID: MBL.D Lab Sample ID: MBL 810-136989/1-A

Matrix: Drinking Water Date Extracted: 03/18/2025 08:19

Instrument ID: GCMS-FE Date Analyzed: 03/18/2025 15:42

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LLCS 810-136989/2-A	LLCS.D	03/18/2025 16:04
	LCS 810-136989/3-A	LCS.D	03/18/2025 16:25
BPOW6-7-20250312	810-141400-1	810-141400-A-1-A.D	03/18/2025 17:08
BPOW6-8-20250312	810-141400-2	810-141400-A-2-A.D	03/18/2025 17:30
BPOW6-10-20250312	810-141400-4	810-141400-A-4-A.D	03/18/2025 17:52
BPOW6-11-20250312	810-141400-5	810-141400-A-5-A.D	03/18/2025 18:13
DUP04-20250312	810-141400-6	810-141400-A-6-A.D	03/18/2025 18:35
BPOW6-9-20250312	810-141400-3	810-141400-A-3-C.D	03/18/2025 22:14
BPOW6-9-20250312MS MS	810-141400-3 MS	810-141400-A-3-A MS.D	03/18/2025 22:36
BPOW6-9-20250312MSD MSD	810-141400-3 MSD	810-141400-A-3-B MSD.D	03/18/2025 22:58

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

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Lab File ID: BFB 1.D BFB Injection Date: 02/21/2025

Instrument ID: GCMS-FE BFB Injection Time: 13:06

Analysis Batch No.: 134118

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.8	
75	30.0 - 80.0 % of mass 95	50.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.6	(0.7) 1
174	>50.0 % of mass 95	80.6	
175	5.0 - 9.0 % of mass 174	6.0	(7.4) 1
176	>95.0 but <101.0 % of mass 174	77.0	(95.5) 1
177	5.0 - 9.0 % of mass 176	5.1	(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 810-134052/4-A	IC 007.D	02/21/2025	13:33
	IC 810-134052/5-A	IC 01.D	02/21/2025	13:55
	IC 810-134052/6-A	IC 02.D	02/21/2025	14:17
	IC 810-134052/7-A	IC 05.D	02/21/2025	14:39
	IC 810-134052/8-A	IC 1.D	02/21/2025	15:02
	IC 810-134052/9-A	IC 2.D	02/21/2025	15:24
	IC 810-134052/10-A	IC 5.D	02/21/2025	15:46
	IC 810-134052/11-A	IC 10.D	02/21/2025	16:08
	ICISAV 810-134052/12-A	IC 20.D	02/21/2025	16:30
	IC 810-134052/13-A	IC 50.D	02/21/2025	16:52
	IC 810-134052/14-A	IC100.D	02/21/2025	17:14
	ICV 810-134052/15-A	ICV.D	02/21/2025	18:21

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

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Instrument I GCMS-FE Calibration Start Date: 02/21/2025 13:33

GC Column: CPSelect 624 MS ID: 0.25(mm) Calibration End Date: 02/21/2025 17:14

Calibration ID: 14947

		THFd8					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		106024	6.28				
UPPER LIMIT		159036	6.78				
LOWER LIMIT		53012	5.78				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 810-134052/15-A		106637	6.28				
CCVLIS 810-137036/1-A		89347	6.40				
MBL 810-136989/1-A		87719	6.40				
LLCS 810-136989/2-A		94044	6.40				
LCS 810-136989/3-A		97093	6.40				
810-141400-1	BPOW6-7-20250312	92567	6.41				
810-141400-2	BPOW6-8-20250312	95280	6.41				
810-141400-4	BPOW6-10-20250312	99687	6.41				
810-141400-5	BPOW6-11-20250312	101422	6.41				
810-141400-6	DUP04-20250312	95497	6.41				
CCVIS 810-137036/2-A		91764	6.41				
810-141400-3	BPOW6-9-20250312	99119	6.42				
810-141400-3 MS	BPOW6-9-20250312MS MS	102622	6.42				
810-141400-3 MSD	BPOW6-9-20250312MSD MSD	100105	6.41				
CCV 810-137036/3-A		93919	6.40				

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 Bend Job No.: 810-141400-1

SDG No.:

Sample No.: CCVLIS 810-137036/1-A Date Analyzed: 03/18/2025 14:59

Instrument ID: GCMS-FE GC Column: CPSelect 624 MS ID: 0.25(mm)

Lab File ID (Standard): CCVL.D Heated Purge: (Y/N) N

Calibration ID: 14947

		THFd8					
		AREA #	RT #	#	RT #	#	RT #
Low Level 12/24 HOUR STD		89347	6.40				
UPPER LIMIT		116151	6.78				
LOWER LIMIT		62543	5.78				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MBL 810-136989/1-A		87719	6.40				
LLCS 810-136989/2-A		94044	6.40				
LCS 810-136989/3-A		97093	6.40				
810-141400-1	BPOW6-7-20250312	92567	6.41				
810-141400-2	BPOW6-8-20250312	95280	6.41				
810-141400-4	BPOW6-10-20250312	99687	6.41				
810-141400-5	BPOW6-11-20250312	101422	6.41				
810-141400-6	DUP04-20250312	95497	6.41				
CCVIS 810-137036/2-A		91764	6.41				

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 Bend Job No.: 810-141400-1

SDG No.:

Sample No.: CCVIS 810-137036/2-A Date Analyzed: 03/18/2025 20:25

Instrument ID: GCMS-FE GC Column: CPSelect 624 MS ID: 0.25(mm)

Lab File ID (Standard): CCVM.D Heated Purge: (Y/N) N

Calibration ID: 14947

		THFd8					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		91764	6.41				
UPPER LIMIT		119293	6.91				
LOWER LIMIT		64235	5.91				
LAB SAMPLE ID	CLIENT SAMPLE ID						
810-141400-3	BPOW6-9-20250312	99119	6.42				
810-141400-3 MS	BPOW6-9-20250312MS MS	102622	6.42				
810-141400-3 MSD	BPOW6-9-20250312MSD MSD	100105	6.41				
CCV 810-137036/3-A		93919	6.40				

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 I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Eaton Analytical South Bend
Job No.: 810-141400-1

SDG No.:

Client Sample ID: BPOW6-7-20250312
Lab Sample ID: 810-141400-1

Matrix: Drinking Water
Lab File ID: 810-141400-A-1-A.D

Analysis Method: 522
Date Collected: 03/12/2025 09:50

Extract. Method: 522
Date Extracted: 03/18/2025 08:19

Sample wt/vol: 100(mL)
Date Analyzed: 03/18/2025 17:08

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.: 137062
Units: ug/L

Preparation Batch No.: 136989
Instrument ID: GCMS-FE

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	89		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-1-A.D				
Lims ID:	810-141400-A-1-A				
Client ID:	BPOW6-7-20250312				
Sample Type:	Client				
Inject. Date:	18-Mar-2025 17:08:51	ALS Bottle#:	7	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-006				
Misc. Info.:	810-141400-A-1-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 09:28:04		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.409	6.409	0.000	23	92567	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.528	8.528	0.000	100	80117	445.4	
11 1,4-Dioxane	88	8.611	8.601	0.010	78	251	0.6135	M

QC Flag Legend

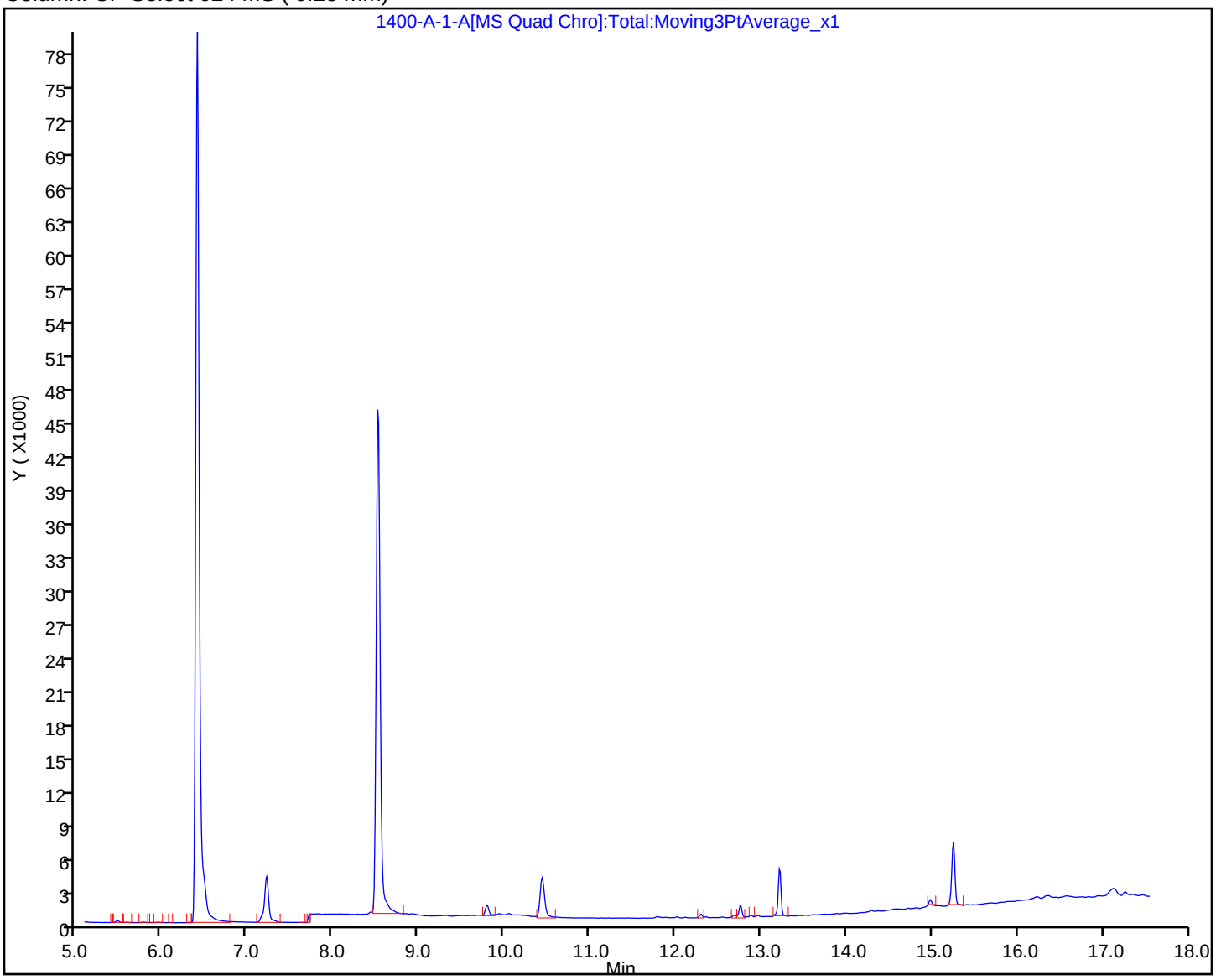
Processing Flags
Review Flags
M - Manually Integrated

Report Date: 19-Mar-2025 10:14:39 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-1-A.D				
Injection Date:	18-Mar-2025 17:08:51	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-1-A	Lab Sample ID:	810-141400-1		
Client ID:	BPOW6-7-20250312				
Operator ID:	BC	ALS Bottle#:	7	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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-FE\20250318-35258.b\810-141400-A-1-A.D				
Lims ID:	810-141400-A-1-A				
Client ID:	BPOW6-7-20250312				
Sample Type:	Client				
Inject. Date:	18-Mar-2025 17:08:51	ALS Bottle#:	7	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-006				
Misc. Info.:	810-141400-A-1-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				

First Level Reviewer: D5UB Date: 19-Mar-2025 09:28:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1,4-Dioxane-d8 (Surr)	500.0	445.4	89.08

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

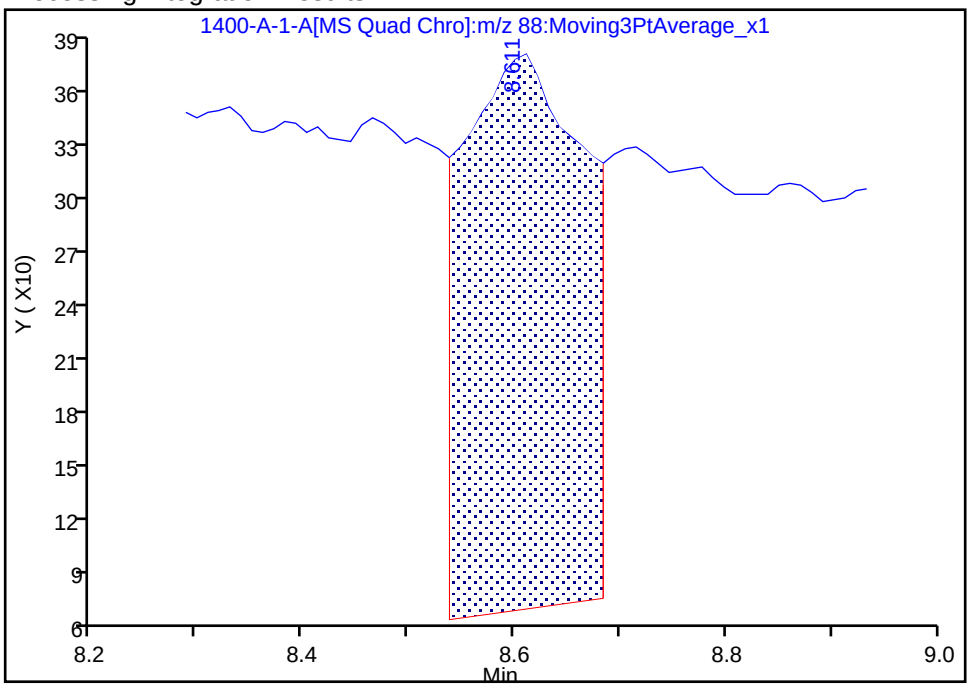
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-1-A.D				
Injection Date:	18-Mar-2025 17:08:51	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-1-A	Lab Sample ID:	810-141400-1		
Client ID:	BPOW6-7-20250312				
Operator ID:	BC	ALS Bottle#:	7	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

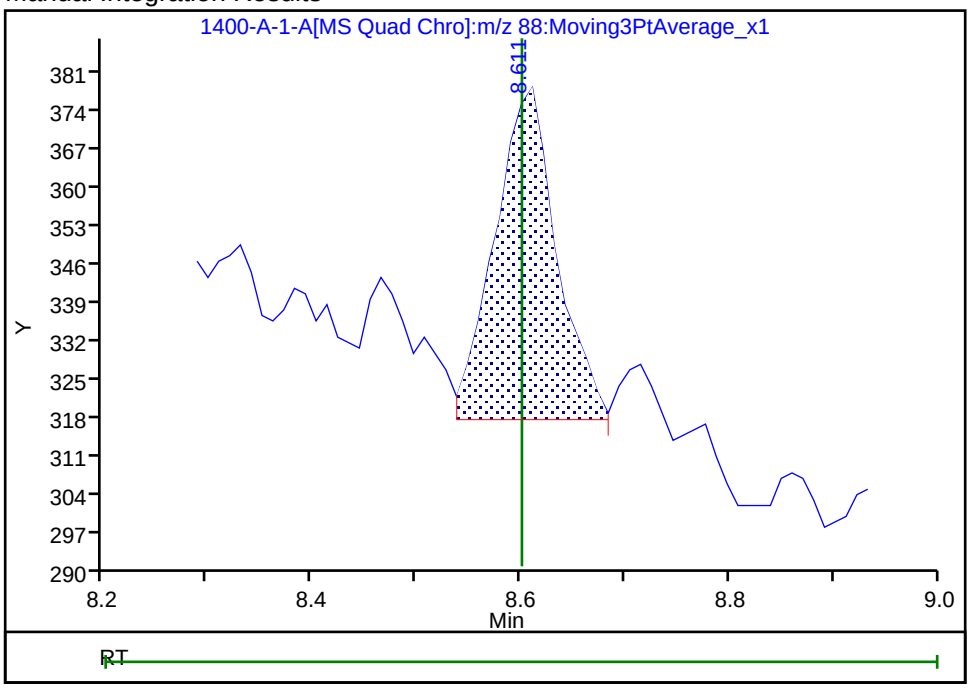
Processing Integration Results

RT: 8.61
Area: 2534
Amount: 12.541277
Amount Units: ug/l



Manual Integration Results

RT: 8.61
Area: 251
Amount: 0.613470
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:27:34 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

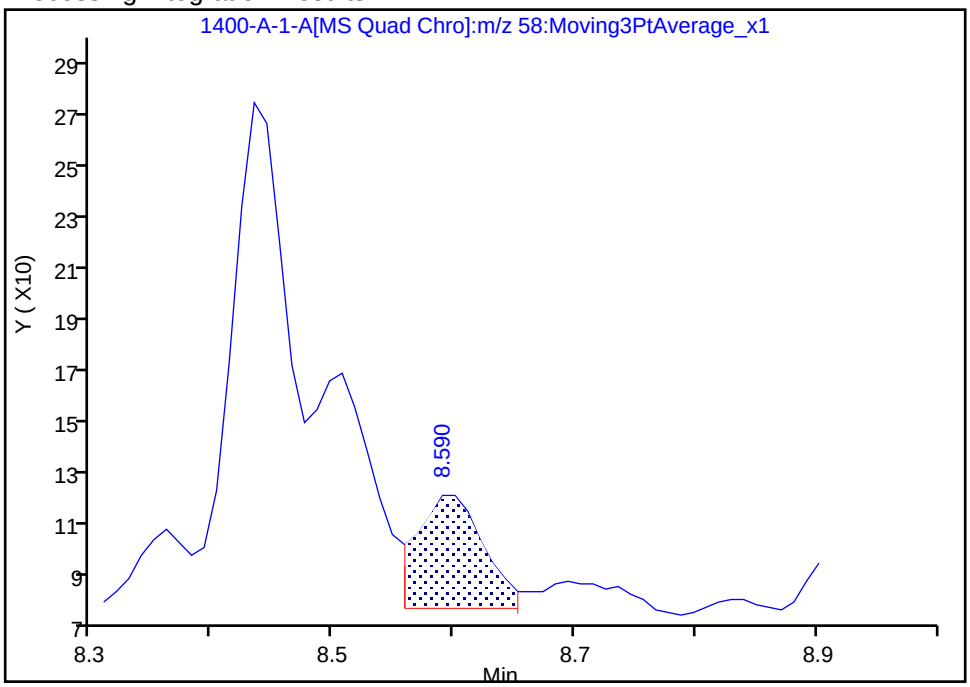
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-1-A.D				
Injection Date:	18-Mar-2025 17:08:51	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-1-A	Lab Sample ID:	810-141400-1		
Client ID:	BPOW6-7-20250312				
Operator ID:	BC	ALS Bottle#:	7	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 2

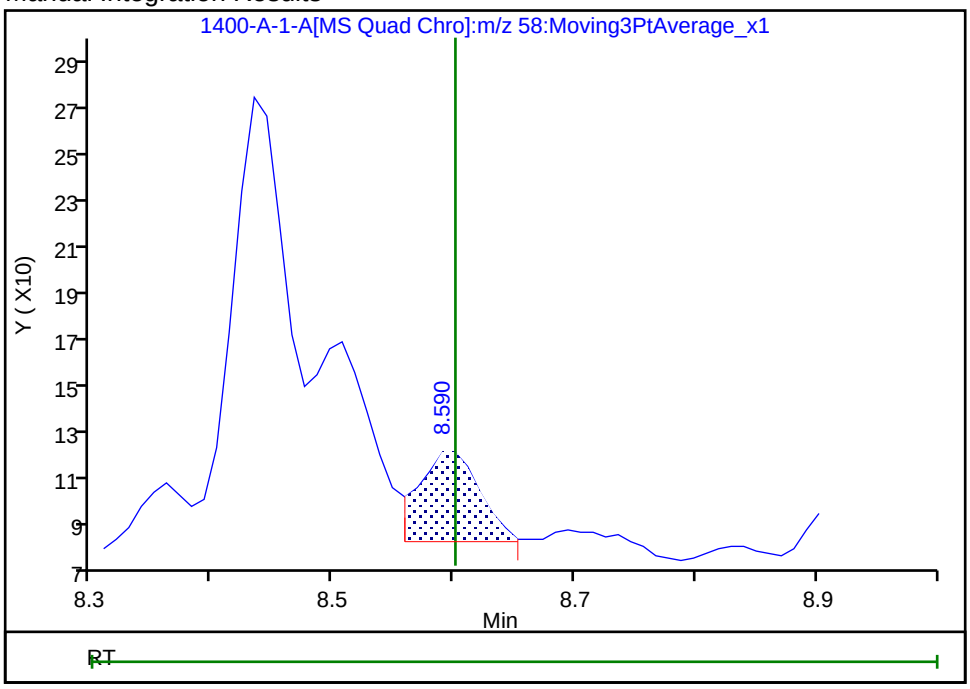
Processing Integration Results

RT: 8.59
Area: 168
Amount: 12.541277
Amount Units: ug/l



Manual Integration Results

RT: 8.59
Area: 137
Amount: 0.613470
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:27:55 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Eaton Analytical South Bend
Job No.: 810-141400-1

SDG No.:

Client Sample ID: BPOW6-8-20250312
Lab Sample ID: 810-141400-2

Matrix: Drinking Water
Lab File ID: 810-141400-A-2-A.D

Analysis Method: 522
Date Collected: 03/12/2025 09:55

Extract. Method: 522
Date Extracted: 03/18/2025 08:19

Sample wt/vol: 100(mL)
Date Analyzed: 03/18/2025 17:30

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.: 137062
Units: ug/L

Preparation Batch No.: 136989
Instrument ID: GCMS-FE

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	88		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-2-A.D				
Lims ID:	810-141400-A-2-A				
Client ID:	BPOW6-8-20250312				
Sample Type:	Client				
Inject. Date:	18-Mar-2025 17:30:24	ALS Bottle#:	8	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-007				
Misc. Info.:	810-141400-A-2-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 09:30:09		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.409	6.409	0.000	24	95280	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.528	8.528	0.000	100	81363	439.5	
11 1,4-Dioxane	88	8.601	8.601	0.000	74	221	0.4239	M

QC Flag Legend

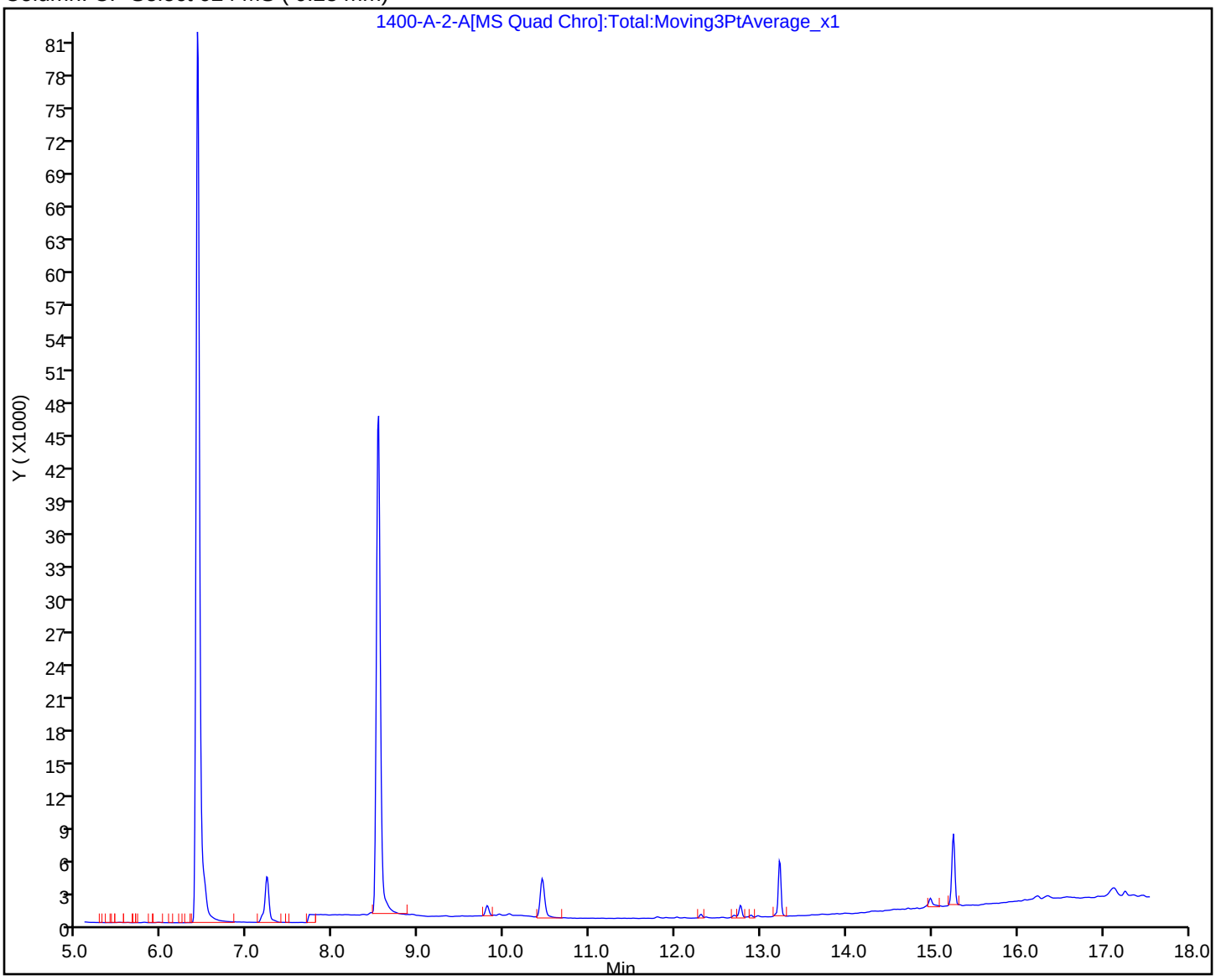
Processing Flags
Review Flags
M - Manually Integrated

Report Date: 19-Mar-2025 10:14:40 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-2-A.D				
Injection Date:	18-Mar-2025 17:30:24	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-2-A	Lab Sample ID:	810-141400-2		
Client ID:	BPOW6-8-20250312				
Operator ID:	BC	ALS Bottle#:	8	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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-FE\20250318-35258.b\810-141400-A-2-A.D				
Lims ID:	810-141400-A-2-A				
Client ID:	BPOW6-8-20250312				
Sample Type:	Client				
Inject. Date:	18-Mar-2025 17:30:24	ALS Bottle#:	8	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-007				
Misc. Info.:	810-141400-A-2-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 09:30:09		

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1,4-Dioxane-d8 (Surr)	500.0	439.5	87.89

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

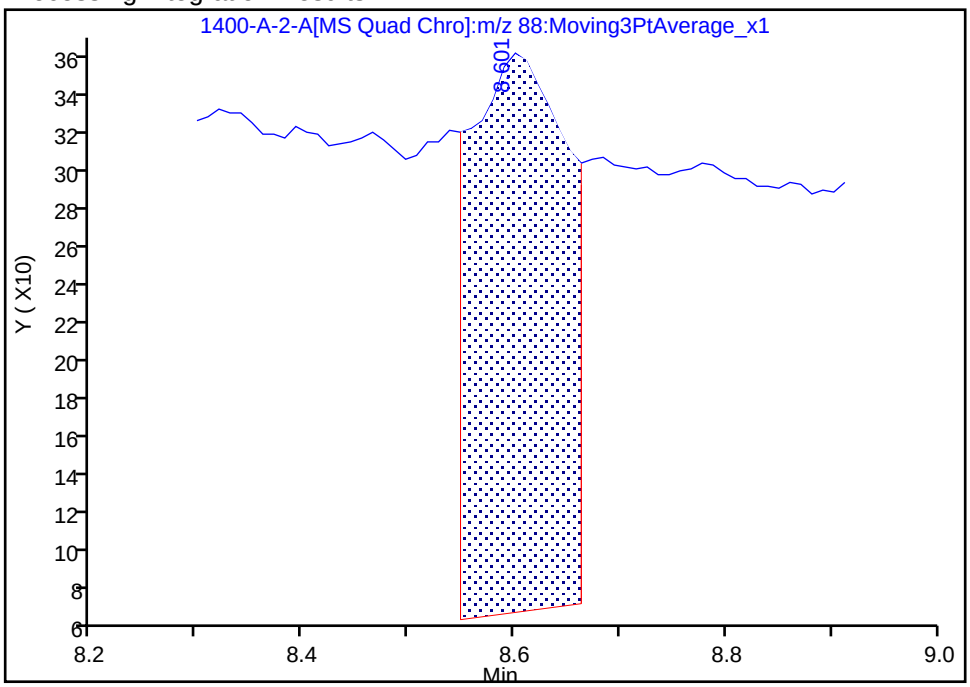
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-2-A.D				
Injection Date:	18-Mar-2025 17:30:24	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-2-A	Lab Sample ID:	810-141400-2		
Client ID:	BPOW6-8-20250312				
Operator ID:	BC	ALS Bottle#:	8	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

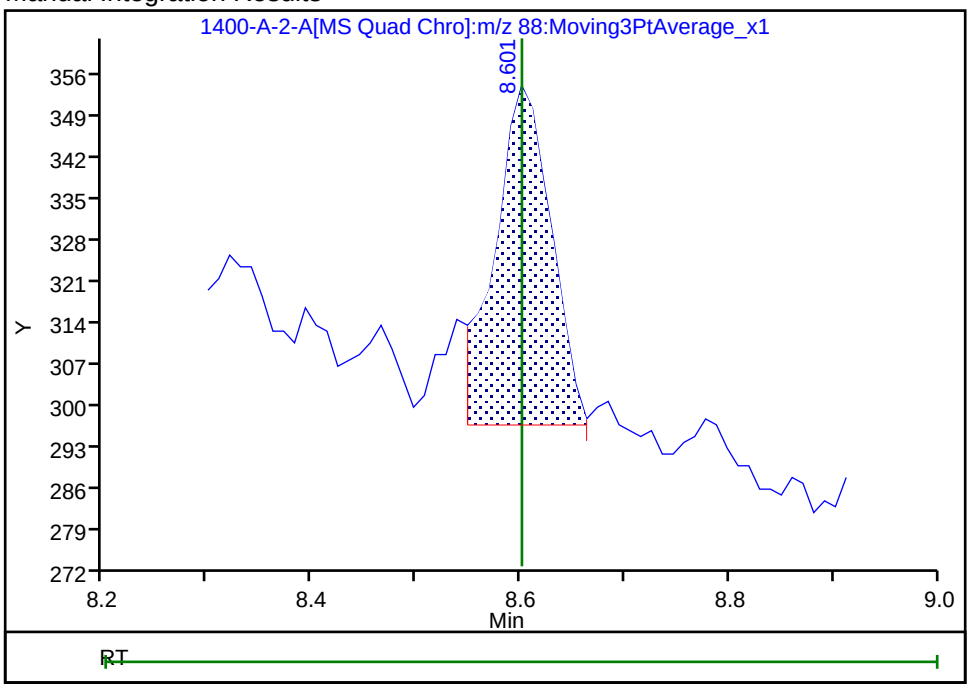
Processing Integration Results

RT: 8.60
Area: 1958
Amount: 9.240613
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 221
Amount: 0.423854
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:28:28 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

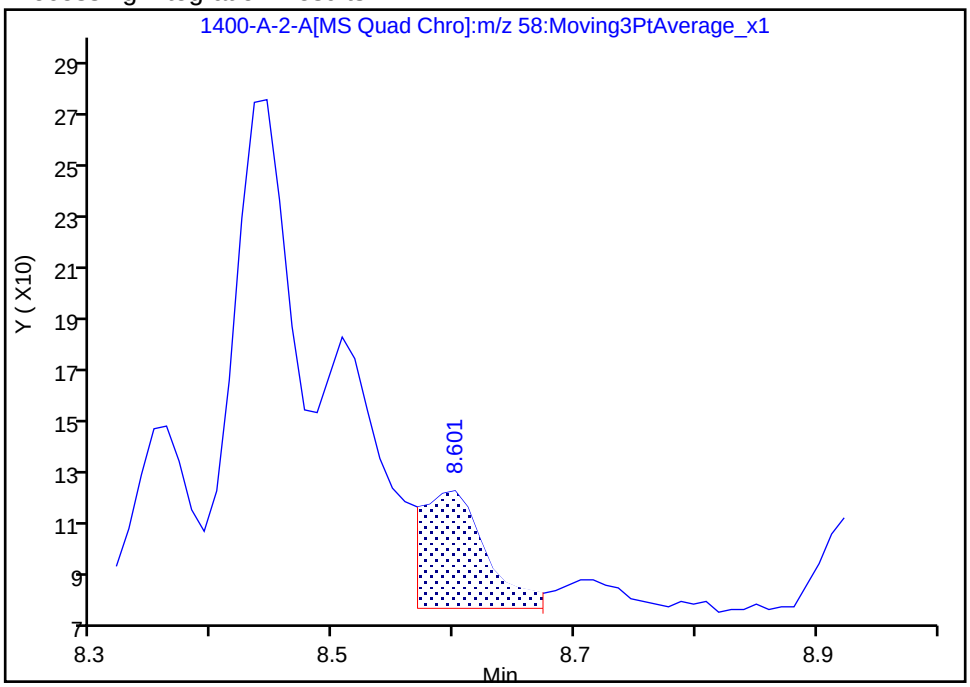
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-2-A.D				
Injection Date:	18-Mar-2025 17:30:24	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-2-A	Lab Sample ID:	810-141400-2		
Client ID:	BPOW6-8-20250312				
Operator ID:	BC	ALS Bottle#:	8	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 2

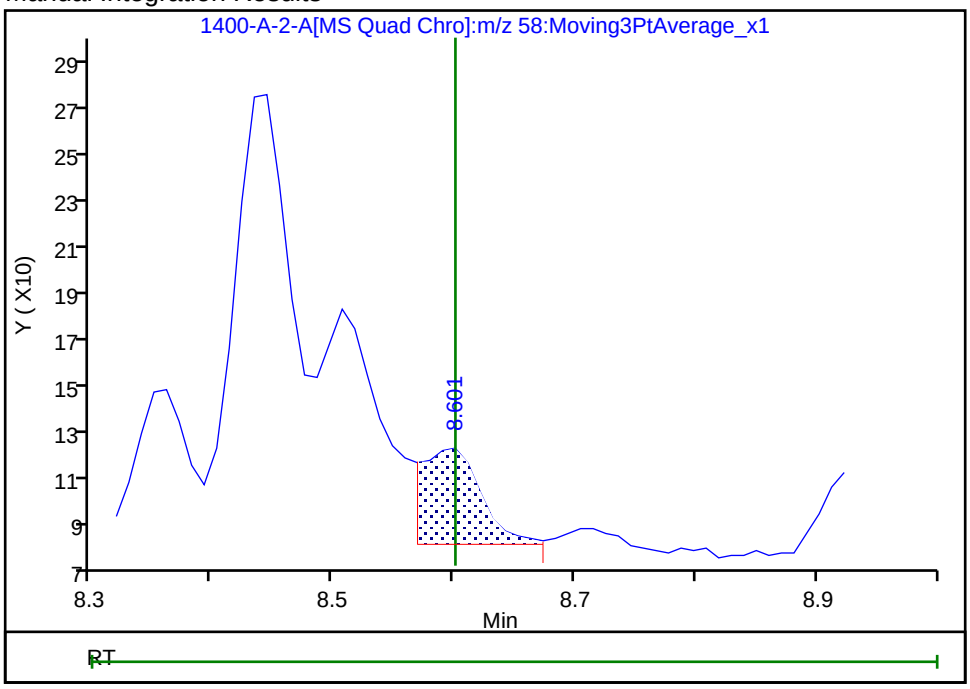
Processing Integration Results

RT: 8.60
Area: 171
Amount: 9.240613
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 137
Amount: 0.423854
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:30:01 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Eaton Analytical South Bend
Job No.: 810-141400-1

SDG No.:

Client Sample ID: BPOW6-9-20250312
Lab Sample ID: 810-141400-3

Matrix: Drinking Water
Lab File ID: 810-141400-A-3-C.D

Analysis Method: 522
Date Collected: 03/12/2025 09:30

Extract. Method: 522
Date Extracted: 03/18/2025 08:19

Sample wt/vol: 100(mL)
Date Analyzed: 03/18/2025 22:14

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.: 137062
Units: ug/L

Preparation Batch No.: 136989
Instrument ID: GCMS-FE

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.064	J	0.070	0.062

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	90		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-3-C.D				
Lims ID:	810-141400-A-3-C				
Client ID:	BPOW6-9-20250312				
Sample Type:	Client				
Inject. Date:	18-Mar-2025 22:14:40	ALS Bottle#:	21	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-020				
Misc. Info.:	810-141400-A-3-C				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:14:48	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 10:01:09		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.417	6.409	0.008	24	99119	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.528	8.528	0.000	99	86235	447.7	
11 1,4-Dioxane	88	8.611	8.601	0.010	79	803	3.22	M

QC Flag Legend

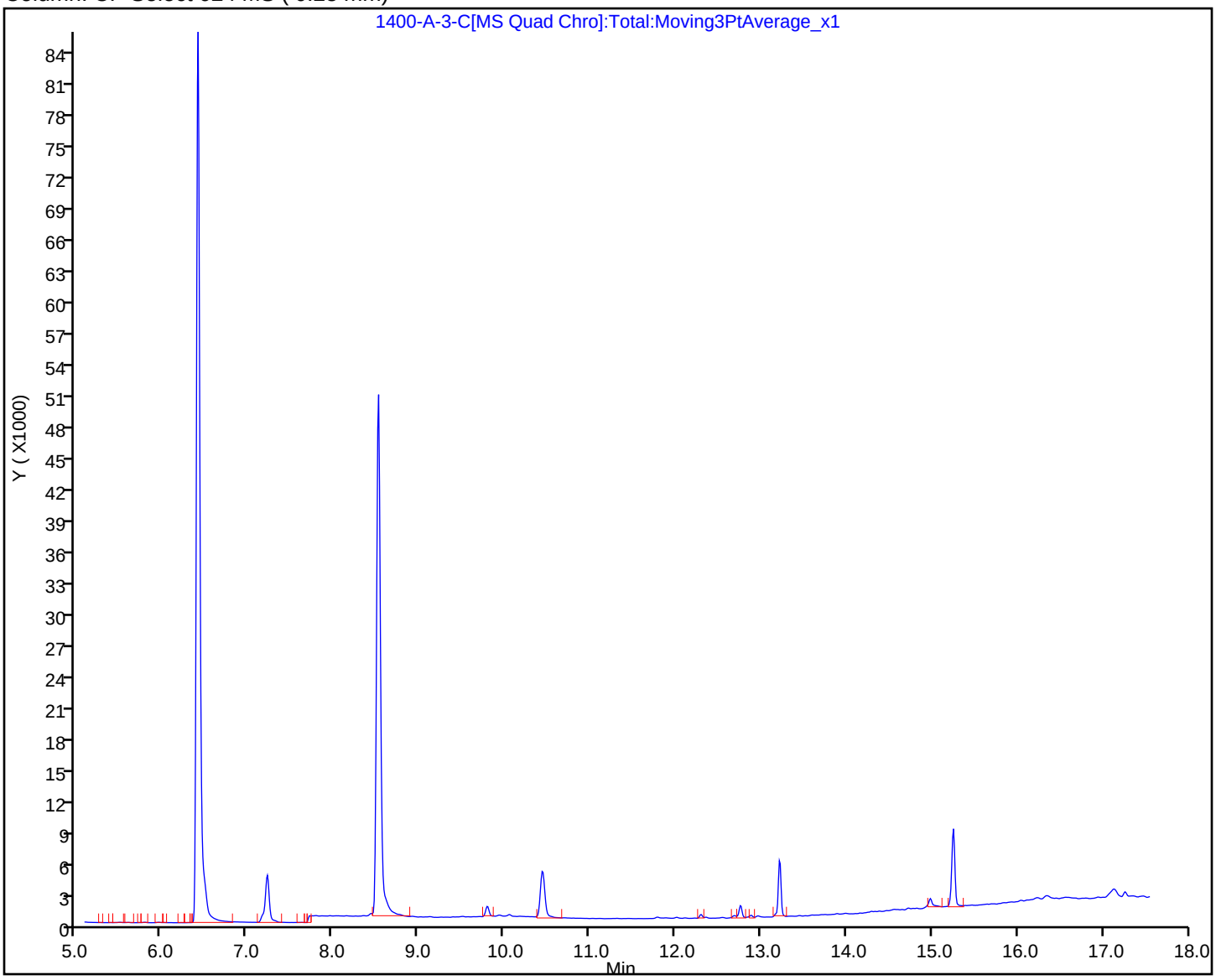
Processing Flags
Review Flags
M - Manually Integrated

Report Date: 19-Mar-2025 10:14:54 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-3-C.D				
Injection Date:	18-Mar-2025 22:14:40	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-3-C	Lab Sample ID:	810-141400-3		
Client ID:	BPOW6-9-20250312				
Operator ID:	BC	ALS Bottle#:	21	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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-FE\20250318-35258.b\810-141400-A-3-C.D				
Lims ID:	810-141400-A-3-C				
Client ID:	BPOW6-9-20250312				
Sample Type:	Client				
Inject. Date:	18-Mar-2025 22:14:40	ALS Bottle#:	21	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-020				
Misc. Info.:	810-141400-A-3-C				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:14:48	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				

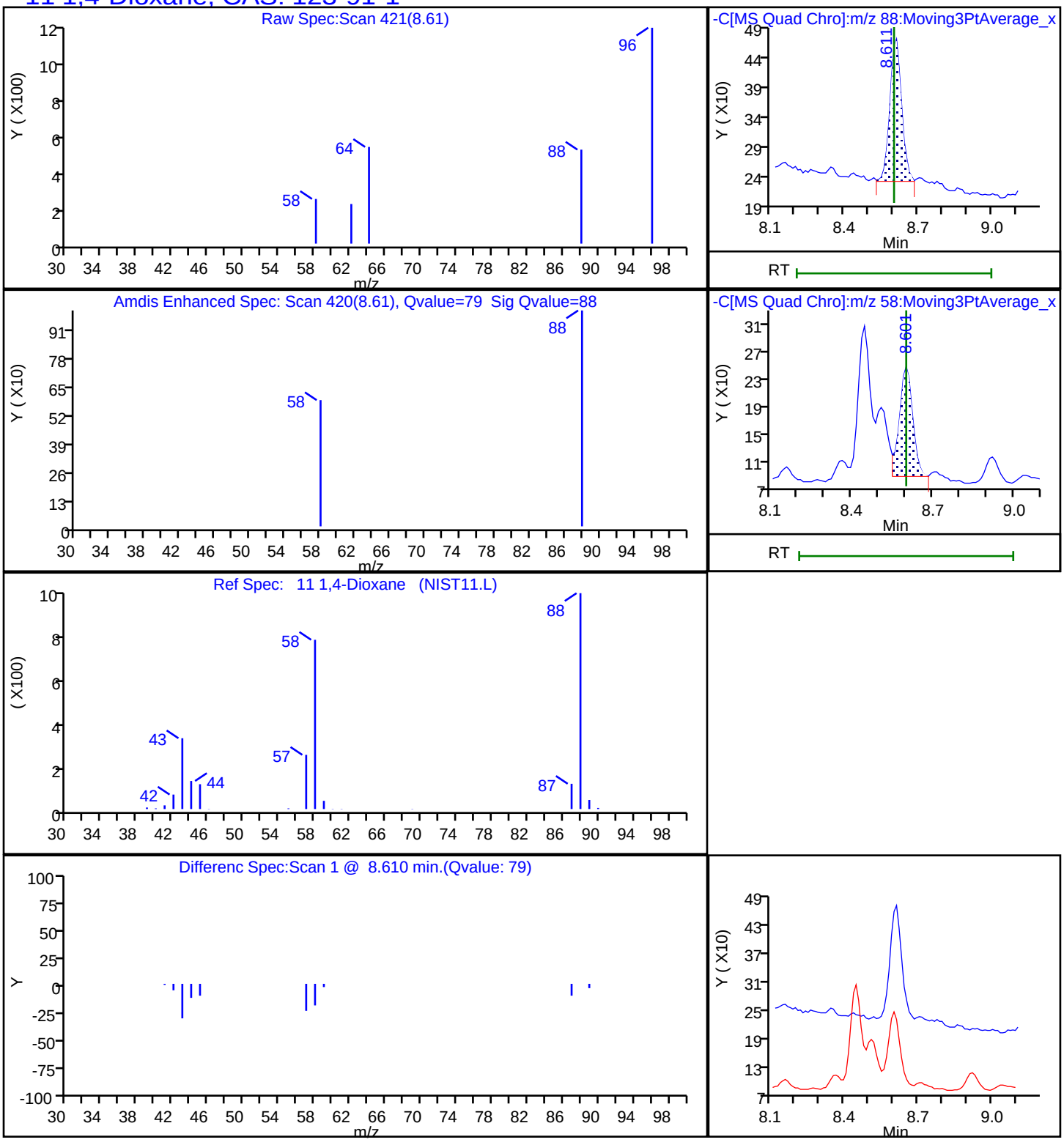
First Level Reviewer: D5UB Date: 19-Mar-2025 10:01:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1,4-Dioxane-d8 (Surr)	500.0	447.7	89.55

Eurofins Eaton Analytical South Bend

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-3-C.D				
Injection Date:	18-Mar-2025 22:14:40	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-3-C	Lab Sample ID:	810-141400-3		
Client ID:	BPOW6-9-20250312				
Operator ID:	BC	ALS Bottle#:	21	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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



Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

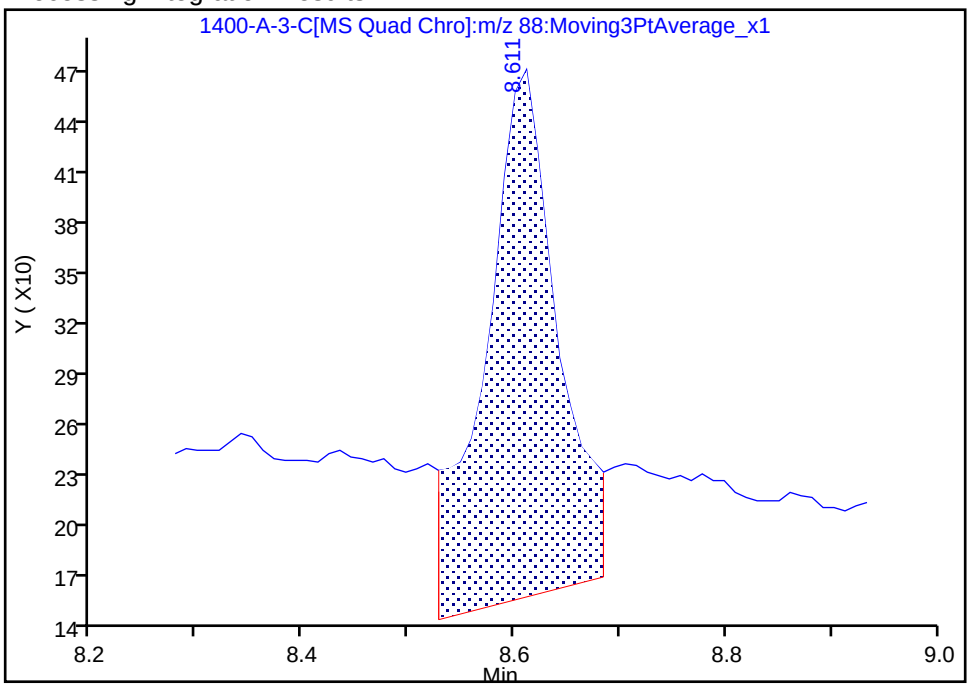
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-3-C.D				
Injection Date:	18-Mar-2025 22:14:40	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-3-C	Lab Sample ID:	810-141400-3		
Client ID:	BPOW6-9-20250312				
Operator ID:	BC	ALS Bottle#:	21	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

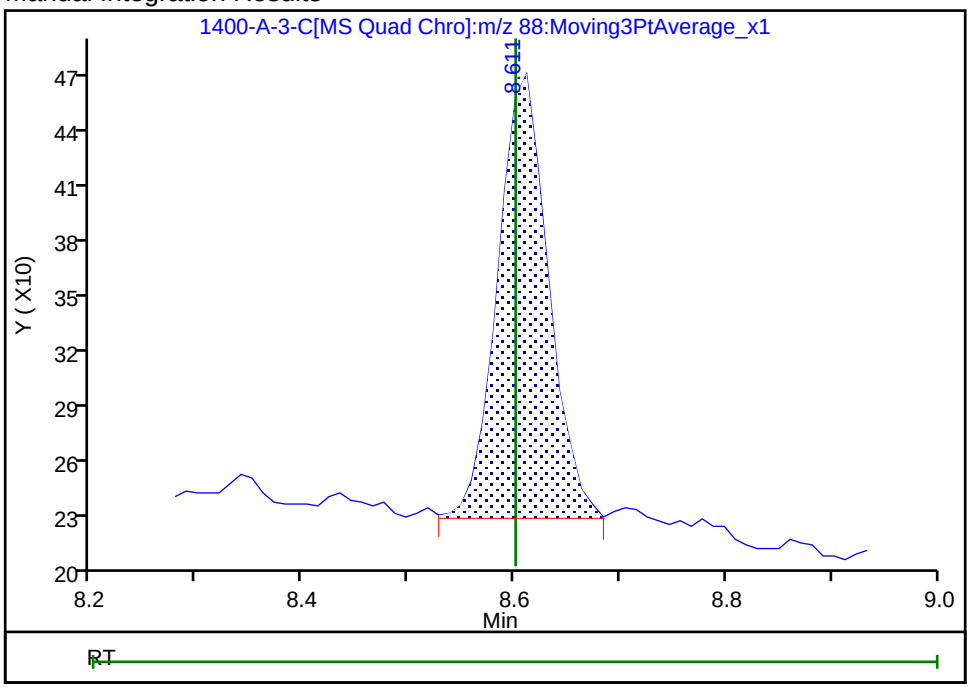
Processing Integration Results

RT: 8.61
Area: 1541
Amount: 6.821030
Amount Units: ug/l



Manual Integration Results

RT: 8.61
Area: 803
Amount: 3.220136
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:59:02 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

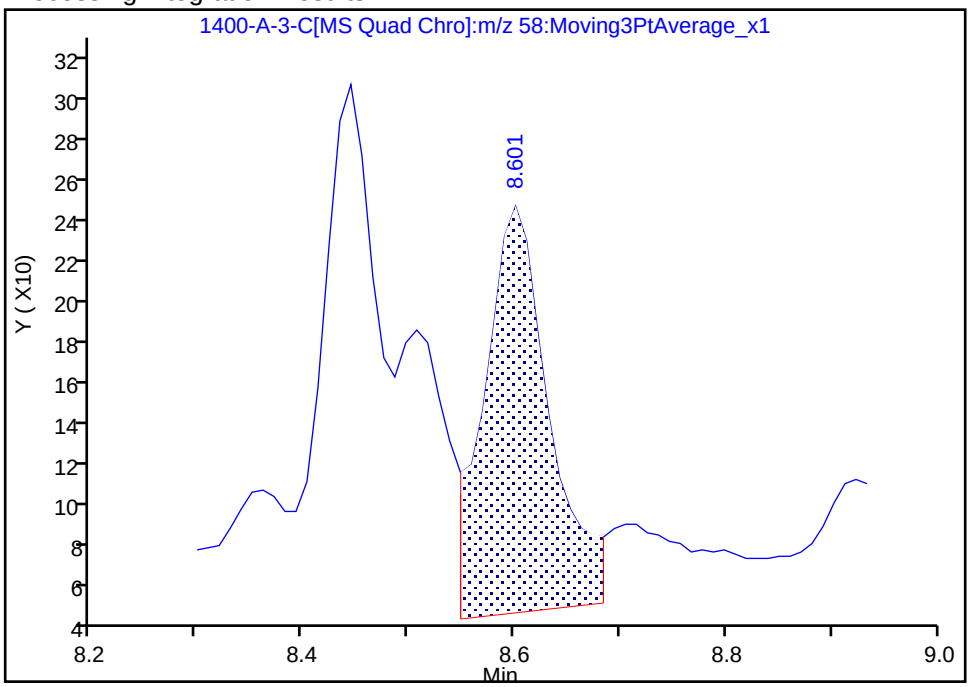
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-3-C.D				
Injection Date:	18-Mar-2025 22:14:40	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-3-C	Lab Sample ID:	810-141400-3		
Client ID:	BPOW6-9-20250312				
Operator ID:	BC	ALS Bottle#:	21	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 2

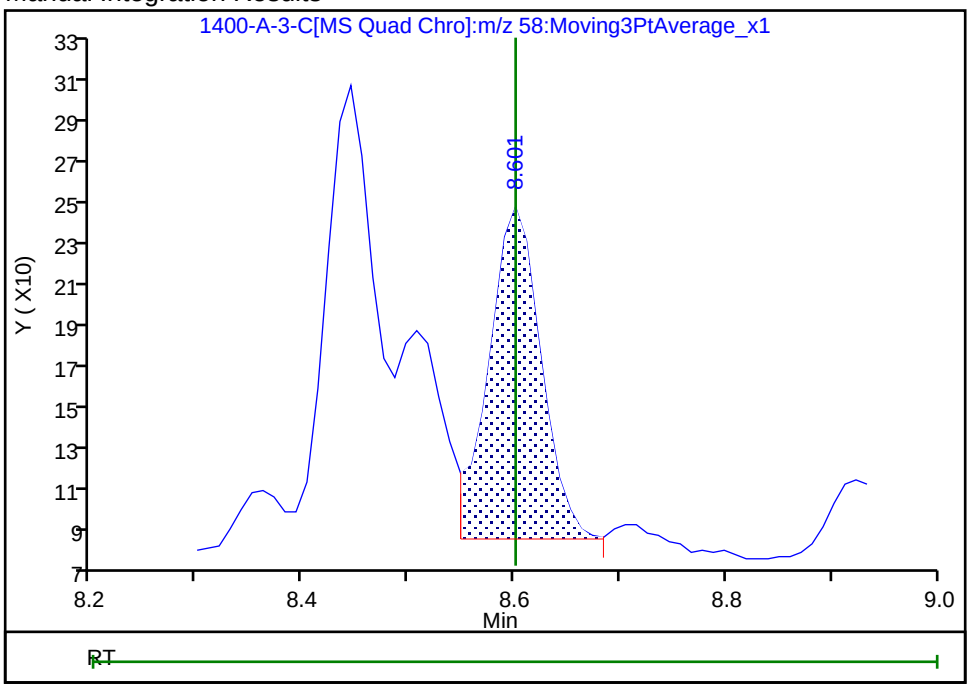
Processing Integration Results

RT: 8.60
Area: 841
Amount: 6.821030
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 544
Amount: 3.220136
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 10:01:00 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Eaton Analytical South Bend
Job No.: 810-141400-1

SDG No.:

Client Sample ID: BPOW6-10-20250312
Lab Sample ID: 810-141400-4

Matrix: Drinking Water
Lab File ID: 810-141400-A-4-A.D

Analysis Method: 522
Date Collected: 03/12/2025 10:30

Extract. Method: 522
Date Extracted: 03/18/2025 08:19

Sample wt/vol: 100(mL)
Date Analyzed: 03/18/2025 17:52

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.: 137062
Units: ug/L

Preparation Batch No.: 136989
Instrument ID: GCMS-FE

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	86		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-4-A.D				
Lims ID:	810-141400-A-4-A				
Client ID:	BPOW6-10-20250312				
Sample Type:	Client				
Inject. Date:	18-Mar-2025 17:52:01	ALS Bottle#:	9	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-008				
Misc. Info.:	810-141400-A-4-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 09:31:43		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.409	6.409	0.000	24	99687	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.528	8.528	0.000	100	83352	430.3	
11 1,4-Dioxane	88	8.601	8.601	0.000	69	188	0.2142	M

QC Flag Legend

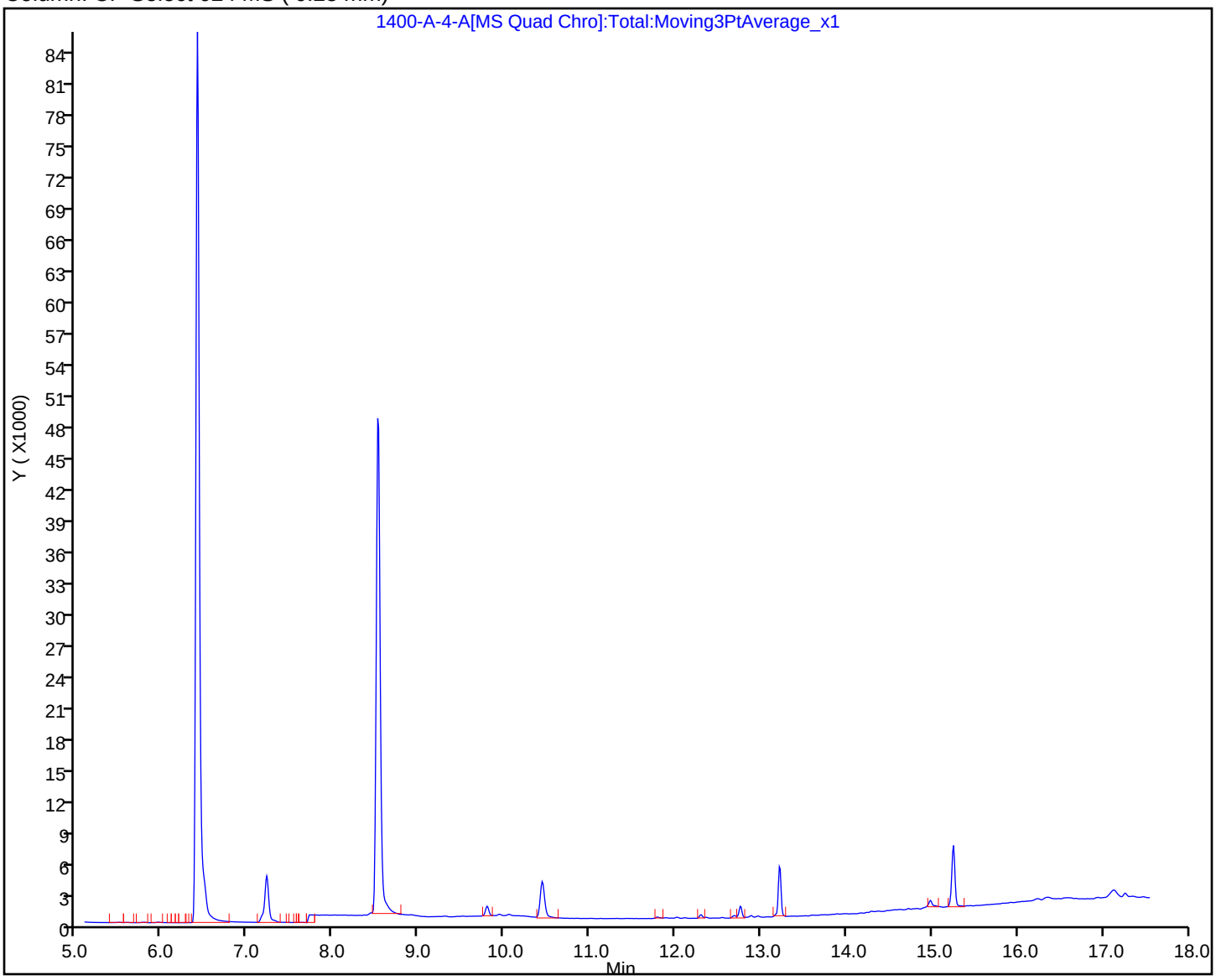
Processing Flags
Review Flags
M - Manually Integrated

Report Date: 19-Mar-2025 10:14:41 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-4-A.D				
Injection Date:	18-Mar-2025 17:52:01	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-4-A	Lab Sample ID:	810-141400-4		
Client ID:	BPOW6-10-20250312				
Operator ID:	BC	ALS Bottle#:	9	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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-FE\20250318-35258.b\810-141400-A-4-A.D				
Lims ID:	810-141400-A-4-A				
Client ID:	BPOW6-10-20250312				
Sample Type:	Client				
Inject. Date:	18-Mar-2025 17:52:01	ALS Bottle#:	9	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-008				
Misc. Info.:	810-141400-A-4-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				

First Level Reviewer: D5UB Date: 19-Mar-2025 09:31:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1,4-Dioxane-d8 (Surr)	500.0	430.3	86.06

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

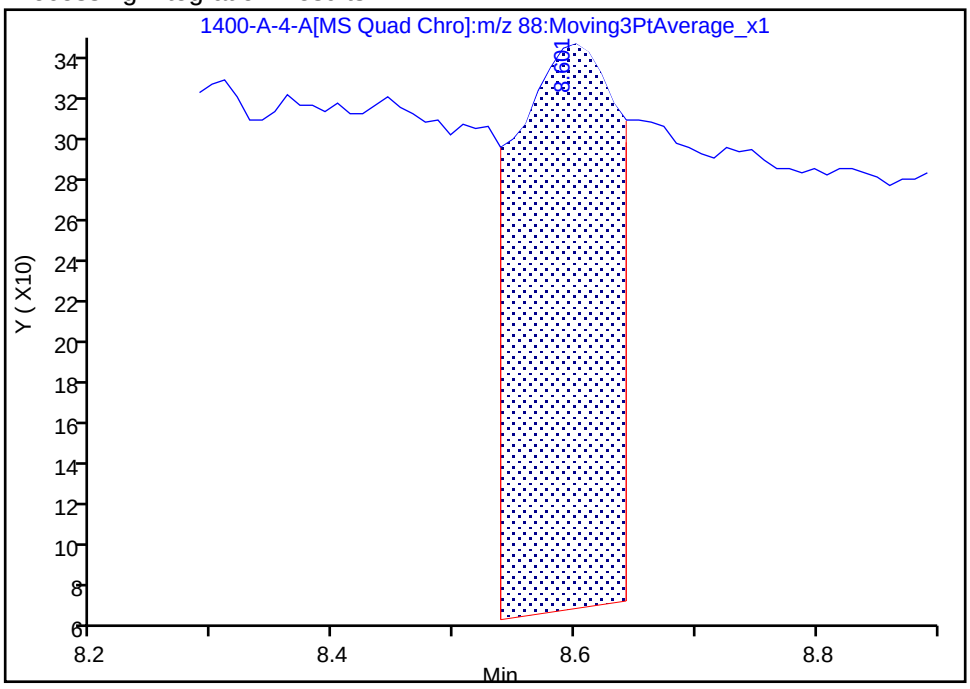
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-4-A.D				
Injection Date:	18-Mar-2025 17:52:01	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-4-A	Lab Sample ID:	810-141400-4		
Client ID:	BPOW6-10-20250312				
Operator ID:	BC	ALS Bottle#:	9	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

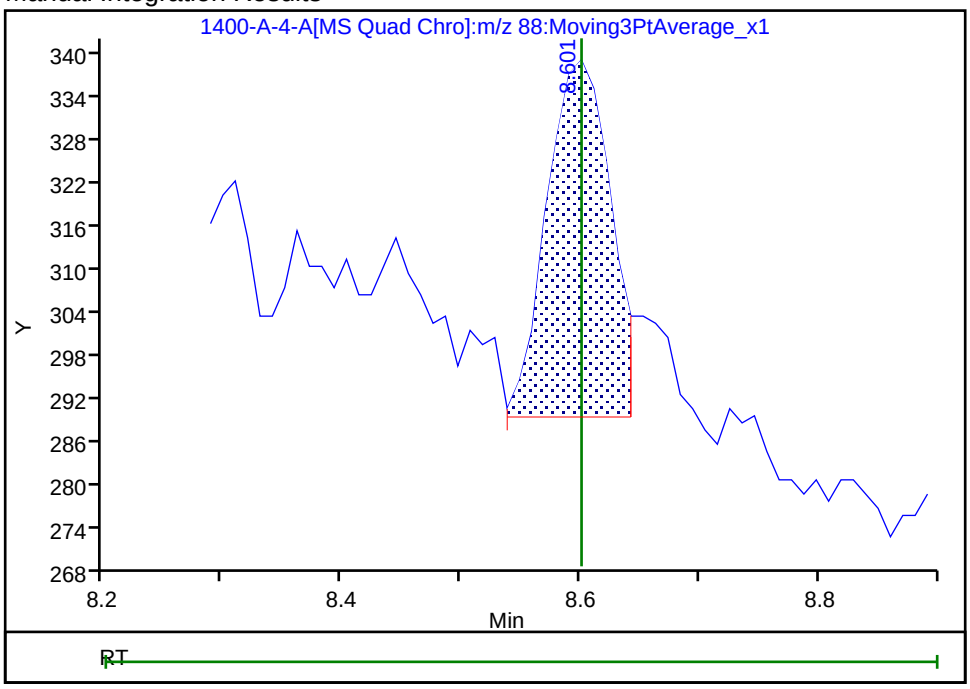
Processing Integration Results

RT: 8.60
Area: 1687
Amount: 7.486501
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 188
Amount: 0.214164
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:31:11 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

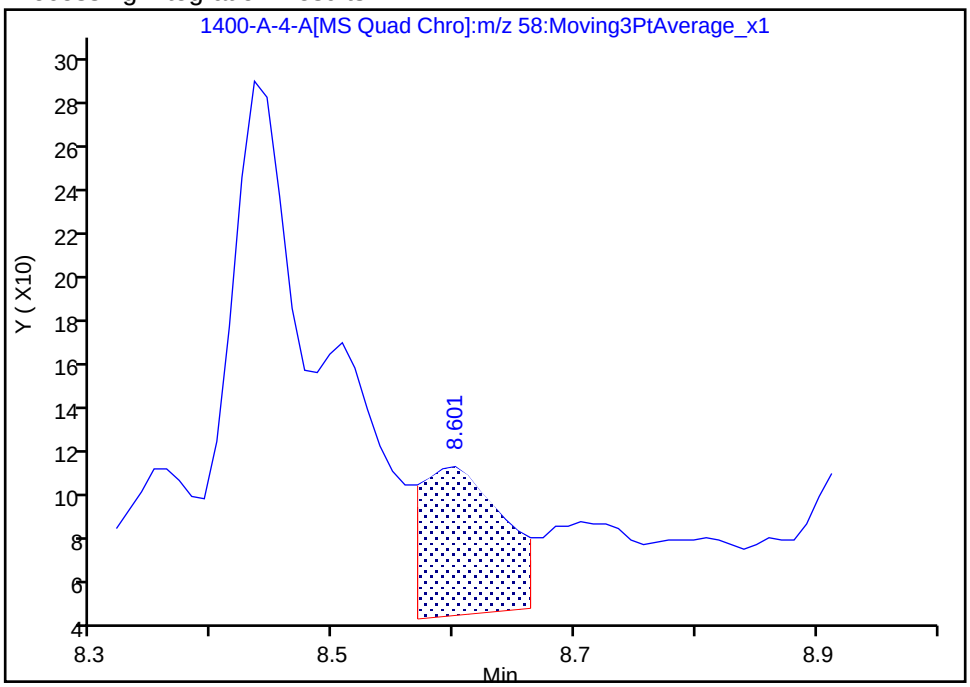
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-4-A.D				
Injection Date:	18-Mar-2025 17:52:01	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-4-A	Lab Sample ID:	810-141400-4		
Client ID:	BPOW6-10-20250312				
Operator ID:	BC	ALS Bottle#:	9	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 2

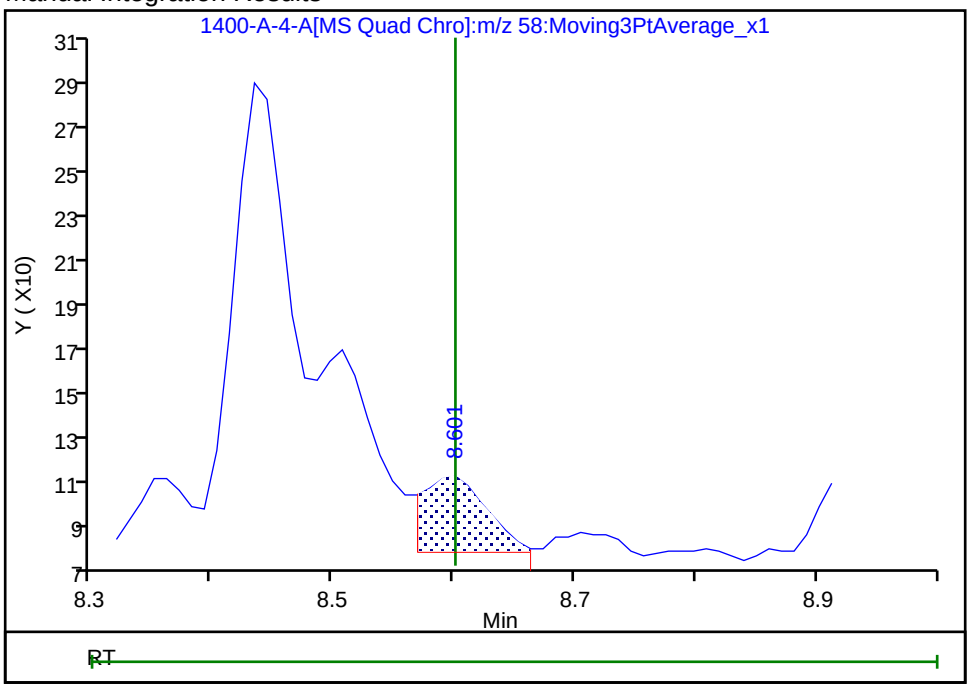
Processing Integration Results

RT: 8.60
Area: 322
Amount: 7.486501
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 120
Amount: 0.214164
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:31:37 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Eaton Analytical South Bend
Job No.: 810-141400-1

SDG No.:

Client Sample ID: BPOW6-11-20250312
Lab Sample ID: 810-141400-5

Matrix: Drinking Water
Lab File ID: 810-141400-A-5-A.D

Analysis Method: 522
Date Collected: 03/12/2025 10:10

Extract. Method: 522
Date Extracted: 03/18/2025 08:19

Sample wt/vol: 100(mL)
Date Analyzed: 03/18/2025 18:13

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.: 137062
Units: ug/L

Preparation Batch No.: 136989
Instrument ID: GCMS-FE

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	84		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-5-A.D				
Lims ID:	810-141400-A-5-A				
Client ID:	BPOW6-11-20250312				
Sample Type:	Client				
Inject. Date:	18-Mar-2025 18:13:42	ALS Bottle#:	10	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-009				
Misc. Info.:	810-141400-A-5-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 09:44:47		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.409	6.409	0.000	23	101422	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.528	8.528	0.000	100	82651	419.4	
11 1,4-Dioxane	88	8.611	8.601	0.010	76	335	0.8995	M

QC Flag Legend

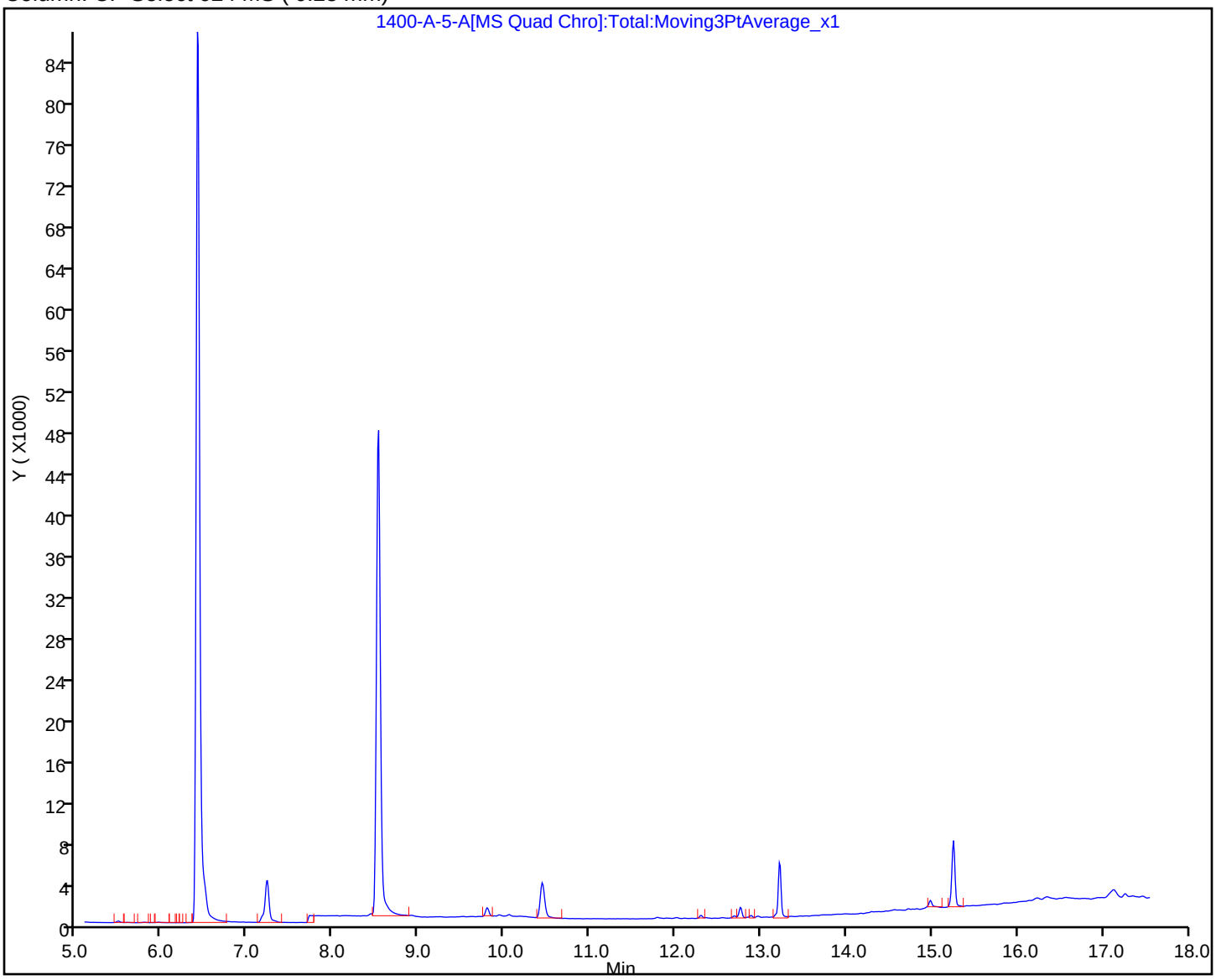
Processing Flags
Review Flags
M - Manually Integrated

Report Date: 19-Mar-2025 10:14:42 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-5-A.D				
Injection Date:	18-Mar-2025 18:13:42	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-5-A	Lab Sample ID:	810-141400-5		
Client ID:	BPOW6-11-20250312				
Operator ID:	BC	ALS Bottle#:	10	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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-FE\20250318-35258.b\810-141400-A-5-A.D				
Lims ID:	810-141400-A-5-A				
Client ID:	BPOW6-11-20250312				
Sample Type:	Client				
Inject. Date:	18-Mar-2025 18:13:42	ALS Bottle#:	10	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-009				
Misc. Info.:	810-141400-A-5-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				

First Level Reviewer: D5UB Date: 19-Mar-2025 09:44:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1,4-Dioxane-d8 (Surr)	500.0	419.4	83.88

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

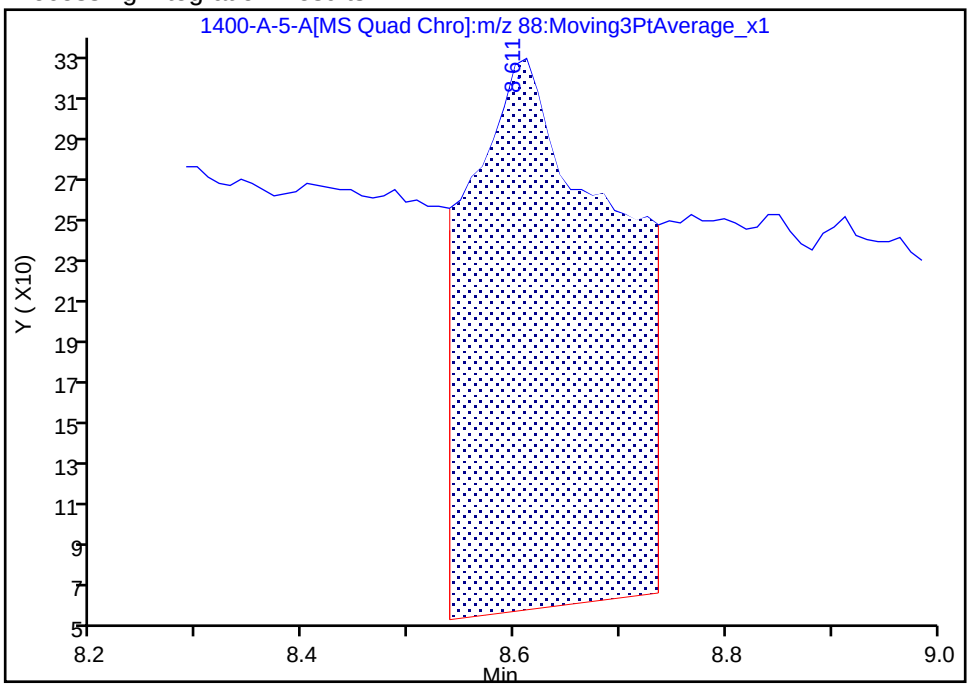
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-5-A.D				
Injection Date:	18-Mar-2025 18:13:42	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-5-A	Lab Sample ID:	810-141400-5		
Client ID:	BPOW6-11-20250312				
Operator ID:	BC	ALS Bottle#:	10	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

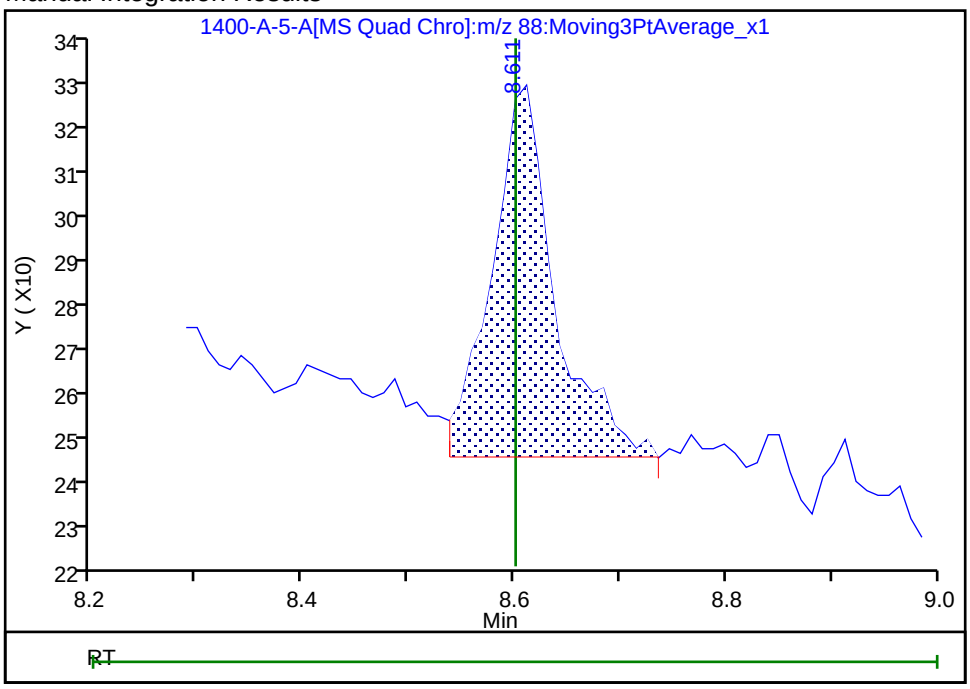
Processing Integration Results

RT: 8.61
Area: 2624
Amount: 11.814546
Amount Units: ug/l



Manual Integration Results

RT: 8.61
Area: 335
Amount: 0.899526
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:44:28 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

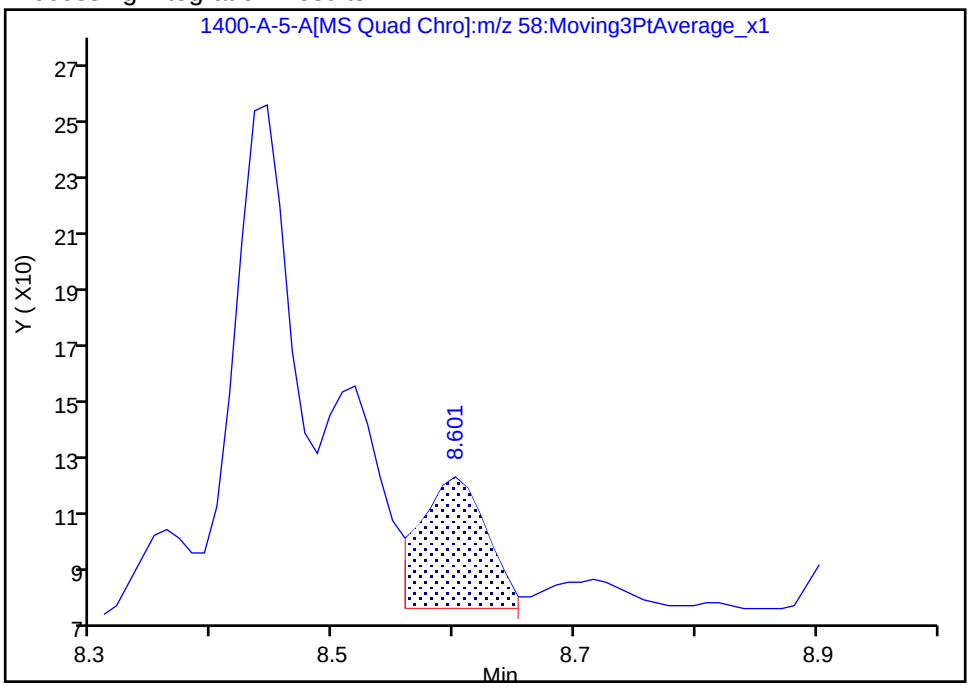
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-5-A.D				
Injection Date:	18-Mar-2025 18:13:42	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-5-A	Lab Sample ID:	810-141400-5		
Client ID:	BPOW6-11-20250312				
Operator ID:	BC	ALS Bottle#:	10	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 2

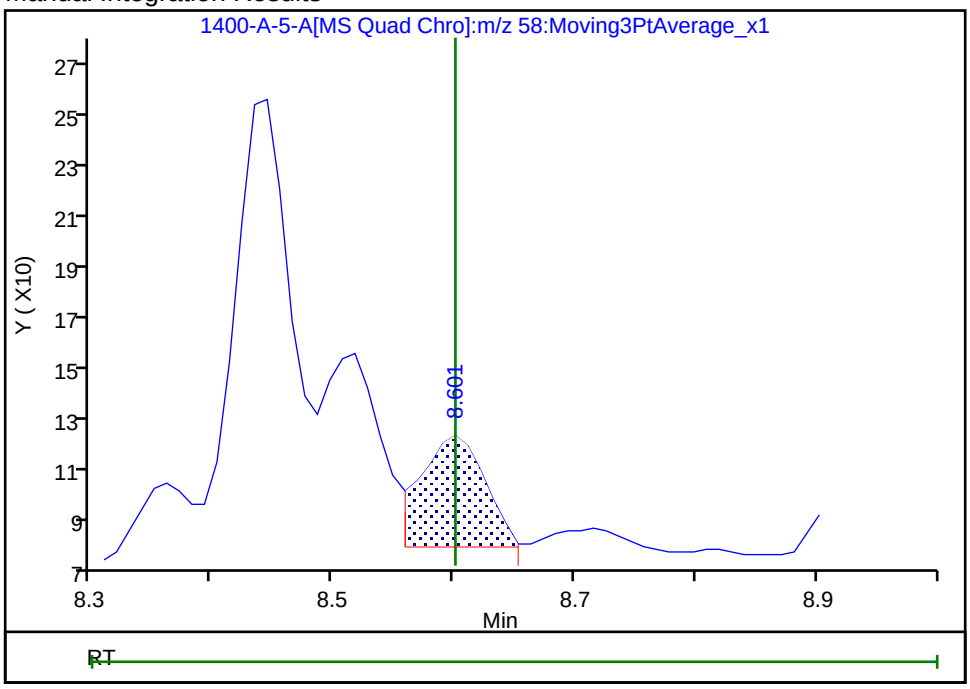
Processing Integration Results

RT: 8.60
Area: 176
Amount: 11.814546
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 158
Amount: 0.899526
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 10:13:26 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Eaton Analytical South Bend
Job No.: 810-141400-1

SDG No.:

Client Sample ID: DUP04-20250312
Lab Sample ID: 810-141400-6

Matrix: Drinking Water
Lab File ID: 810-141400-A-6-A.D

Analysis Method: 522
Date Collected: 03/12/2025 00:00

Extract. Method: 522
Date Extracted: 03/18/2025 08:19

Sample wt/vol: 100(mL)
Date Analyzed: 03/18/2025 18:35

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.: 137062
Units: ug/L

Preparation Batch No.: 136989
Instrument ID: GCMS-FE

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	87		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-6-A.D				
Lims ID:	810-141400-A-6-A				
Client ID:	DUP04-20250312				
Sample Type:	Client				
Inject. Date:	18-Mar-2025 18:35:35	ALS Bottle#:	11	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-010				
Misc. Info.:	810-141400-A-6-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 09:45:31		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 5 Tetrahydrofuran-d8	46	6.409	6.409	0.000	24	95497	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.528	8.528	0.000	99	80866	435.8	
11 1,4-Dioxane	88	8.611	8.601	0.010	76	253	0.5834	M

QC Flag Legend

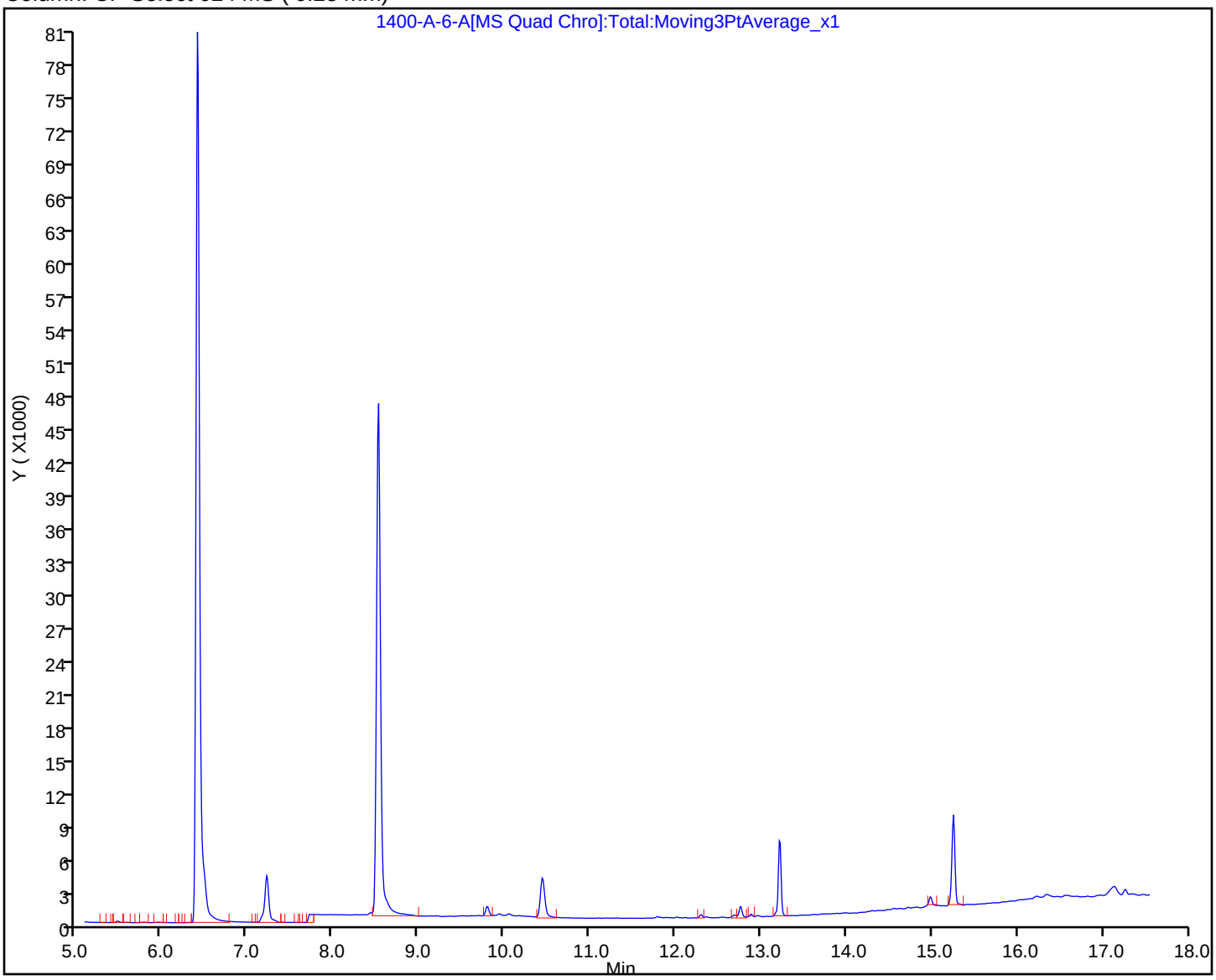
Processing Flags
Review Flags
M - Manually Integrated

Report Date: 19-Mar-2025 10:14:43 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-6-A.D				
Injection Date:	18-Mar-2025 18:35:35	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-6-A	Lab Sample ID:	810-141400-6		
Client ID:	DUP04-20250312				
Operator ID:	BC	ALS Bottle#:	11	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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-FE\20250318-35258.b\810-141400-A-6-A.D				
Lims ID:	810-141400-A-6-A				
Client ID:	DUP04-20250312				
Sample Type:	Client				
Inject. Date:	18-Mar-2025 18:35:35	ALS Bottle#:	11	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-010				
Misc. Info.:	810-141400-A-6-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				

First Level Reviewer: D5UB Date: 19-Mar-2025 09:45:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1,4-Dioxane-d8 (Surr)	500.0	435.8	87.16

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

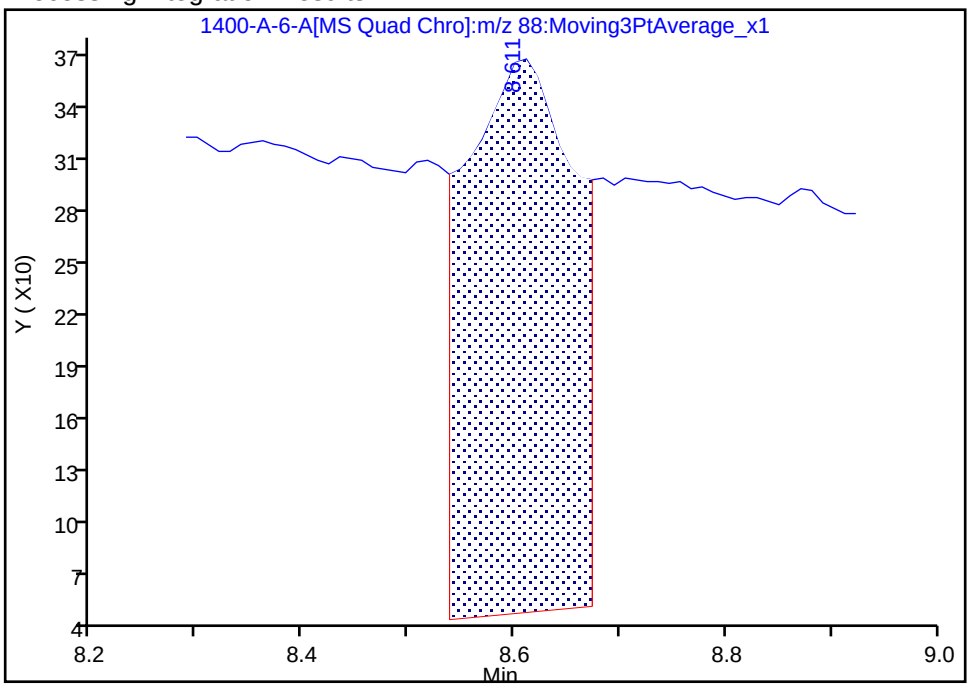
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-6-A.D				
Injection Date:	18-Mar-2025 18:35:35	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-6-A	Lab Sample ID:	810-141400-6		
Client ID:	DUP04-20250312				
Operator ID:	BC	ALS Bottle#:	11	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

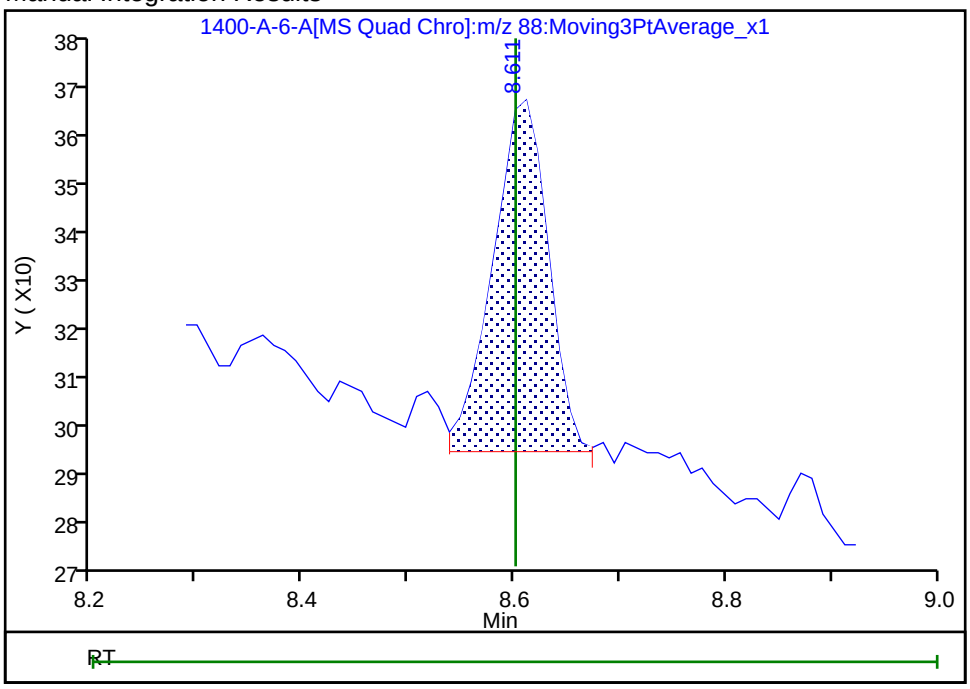
Processing Integration Results

RT: 8.61
Area: 2374
Amount: 11.324786
Amount Units: ug/l



Manual Integration Results

RT: 8.61
Area: 253
Amount: 0.583363
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:45:16 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

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

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1 Analy Batch No.: 134118

SDG No.:

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

Calibration Start Date: 02/21/2025 13:33 Calibration End Date: 02/21/2025 17:14 Calibration ID: 14947

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 810-134052/4-A	IC 007.D
Level 2	IC 810-134052/5-A	IC 01.D
Level 3	IC 810-134052/6-A	IC 02.D
Level 4	IC 810-134052/7-A	IC 05.D
Level 5	IC 810-134052/8-A	IC 1.D
Level 6	IC 810-134052/9-A	IC 2.D
Level 7	IC 810-134052/10-A	IC 5.D
Level 8	IC 810-134052/11-A	IC 10.D
Level 9	ICISAV 810-134052/12-A	IC 20.D
Level 10	IC 810-134052/13-A	IC 50.D
Level 11	IC 810-134052/14-A	IC100.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 6 LVL 11	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
1,4-Dioxane	1.2825 0.9905 1.0342	1.2045 1.0406	1.0814 1.0754	1.0287 1.0373	1.0492 1.0266	Lin1	0.7215	1.0339				3.0					
1,4-Dioxane-d8 (Surr)	0.9615 0.9705 0.9453	0.9810 0.9656	0.9801 0.9841	0.9770 0.9647	0.9813 0.9763	Ave		0.9716				1.2		30.0			

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.: 810-141400-1 Analy Batch No.: 134118

SDG No.:

Instrument ID: GCMS-FE GC Column: CPSelect 6 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/21/2025 13:33 Calibration End Date: 02/21/2025 17:14 Calibration ID: 14947

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 810-134052/4-A	IC 007.D
Level 2	IC 810-134052/5-A	IC 01.D
Level 3	IC 810-134052/6-A	IC 02.D
Level 4	IC 810-134052/7-A	IC 05.D
Level 5	IC 810-134052/8-A	IC 1.D
Level 6	IC 810-134052/9-A	IC 2.D
Level 7	IC 810-134052/10-A	IC 5.D
Level 8	IC 810-134052/11-A	IC 10.D
Level 9	ICISAV 810-134052/12-A	IC 20.D
Level 10	IC 810-134052/13-A	IC 50.D
Level 11	IC 810-134052/14-A	IC100.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,4-Dioxane	THFd8	Lin1	925 21269 1102197	1235 55517	2305 116422	5368 219403	11269 552833	3.50 100 5000	5.00 250	10.0 500	25.0 1000	50.0 2500
1,4-Dioxane-d8 (Surr)	THFd8	Ave	99065 104188 100748	100581 103030	104460 106538	101961 102025	105400 105141	500 500 500	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.: 810-141400-1 Analy Batch No.: 134118

SDG No.:

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

Calibration Start Date: 02/21/2025 13:33 Calibration End Date: 02/21/2025 17:14 Calibration ID: 14947

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 810-134052/4-A	IC 007.D
Level 2	IC 810-134052/5-A	IC 01.D
Level 3	IC 810-134052/6-A	IC 02.D
Level 4	IC 810-134052/7-A	IC 05.D
Level 5	IC 810-134052/8-A	IC 1.D
Level 6	IC 810-134052/9-A	IC 2.D
Level 7	IC 810-134052/10-A	IC 5.D
Level 8	IC 810-134052/11-A	IC 10.D
Level 9	ICISAV 810-134052/12-A	IC 20.D
Level 10	IC 810-134052/13-A	IC 50.D
Level 11	IC 810-134052/14-A	IC100.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 # LVL 11 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5 LVL 11	LVL 6
1,4-Dioxane	4.1 0.4	2.5 3.9	-2.4 0.3	-3.3 -0.7	0.1 0.0	-4.9	40 20	20 20	20 20	20 20	20 20	20

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 007.D
Lims ID: IC 810-134052/4-A
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Feb-2025 13:33:31 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0034416-003
Misc. Info.: IC 810-134052/4-A
Operator ID: BC Instrument ID: GCMS-FE
Sublist: chrom-522_GCMS-FE*sub1
Raw Data: Smoothed

Method: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\522_GCMS-FE.m
Limit Group: MSS - 522
Last Update: 22-Feb-2025 09:30:38 Calib Date: 21-Feb-2025 17:14:53
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D

Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1701

First Level Reviewer: JH8B Date: 22-Feb-2025 09:05:22

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	6.267	6.291	-0.024	24	103036	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.372	8.393	-0.021	99	99065	500.0	494.8	
11 1,4-Dioxane	88	8.445	8.466	-0.021	81	925	3.50	3.64	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Report Date: 22-Feb-2025 09:30:38 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 007.D

Injection Date: 21-Feb-2025 13:33:31 Instrument ID: GCMS-FE

Lims ID: IC 810-134052/4-A

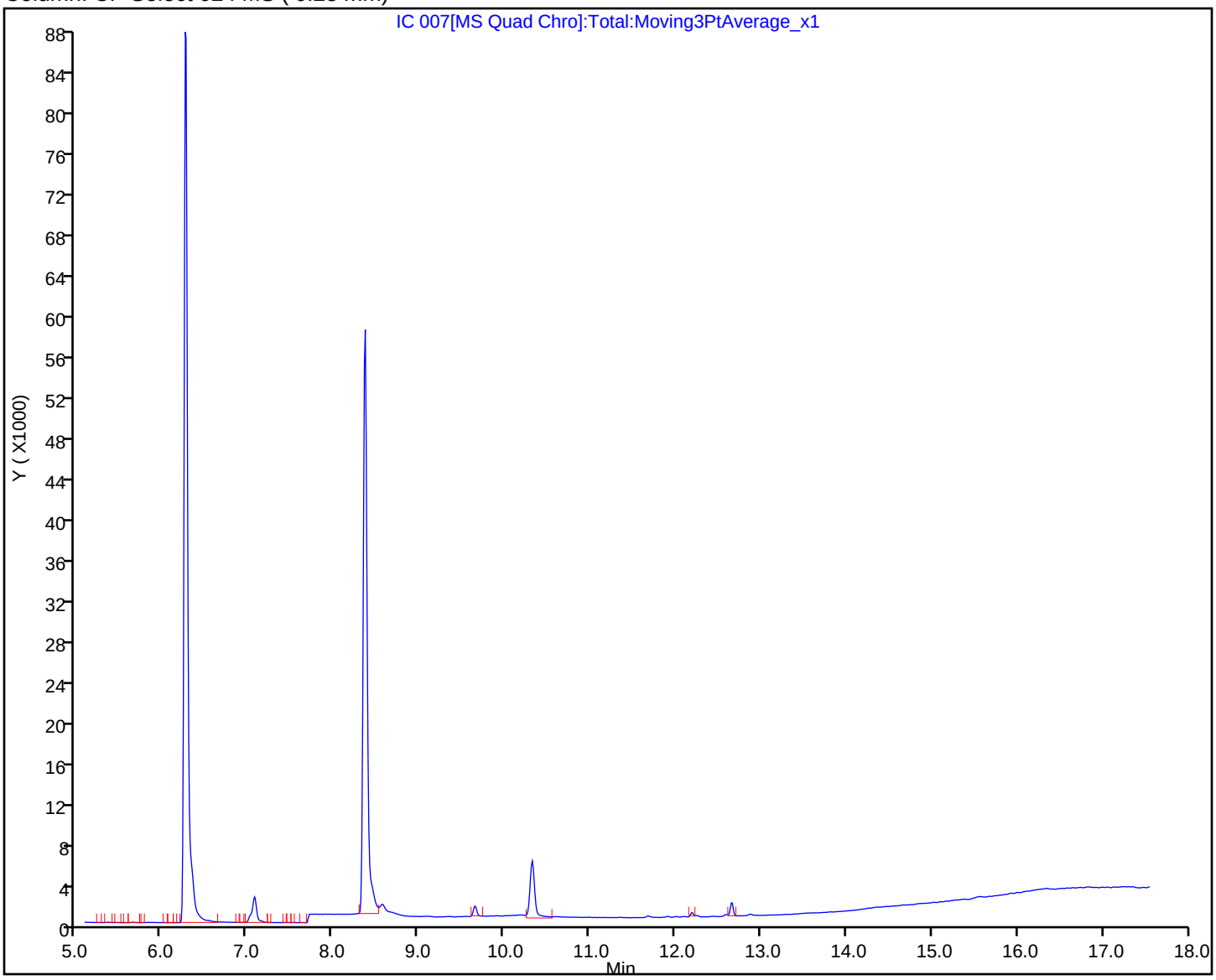
Client ID:

Operator ID: BC ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE Limit Group: MSS - 522

Column: CP Select 624 MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

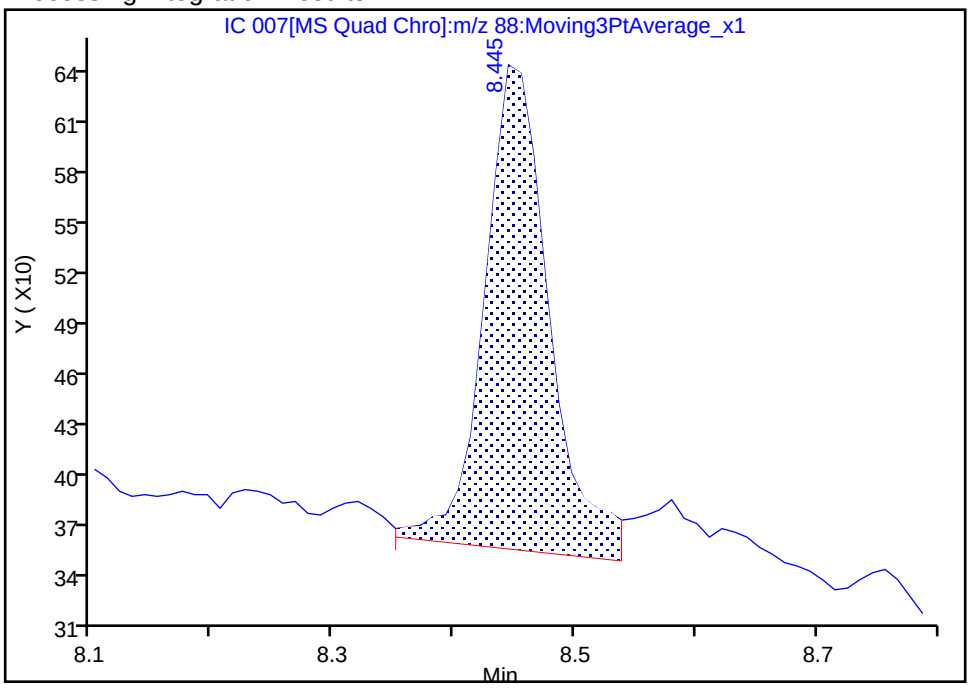
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 007.D				
Injection Date:	21-Feb-2025 13:33:31	Instrument ID:	GCMS-FE		
Lims ID:	IC 810-134052/4-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 1

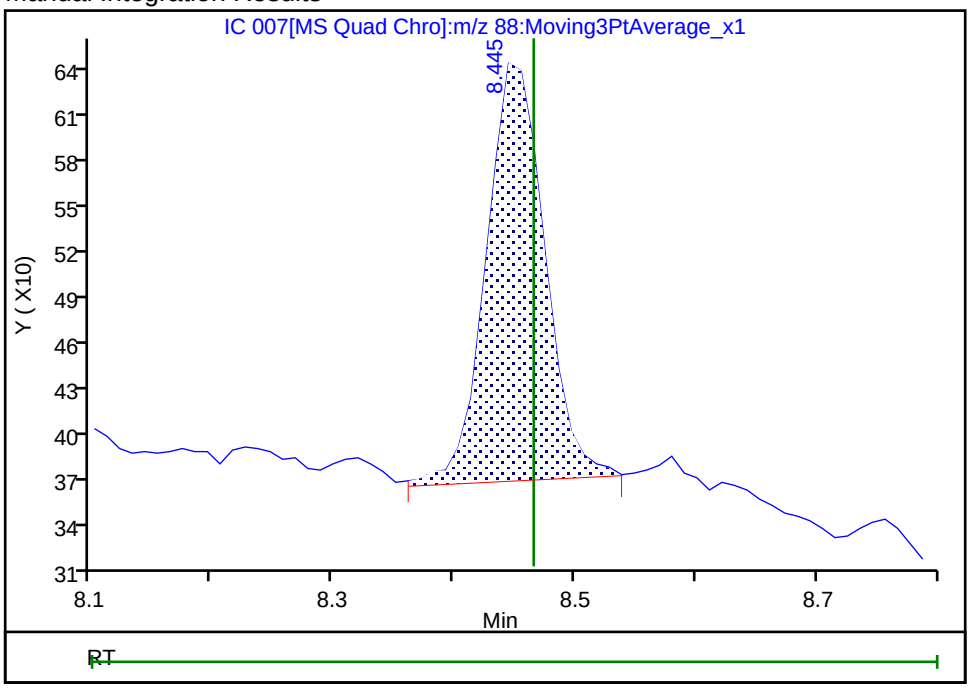
Processing Integration Results

RT: 8.45
Area: 1073
Amount: 1.672577
Amount Units: ug/l



Manual Integration Results

RT: 8.45
Area: 925
Amount: 3.643828
Amount Units: ug/l



Reviewer: JH8B, 22-Feb-2025 09:05:21 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 01.D
Lims ID: IC 810-134052/5-A
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Feb-2025 13:55:40 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0034416-004
Misc. Info.: IC 810-134052/5-A
Operator ID: BC Instrument ID: GCMS-FE
Sublist: chrom-522_GCMS-FE*sub1
Raw Data: Smoothed

Method: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\522_GCMS-FE.m
Limit Group: MSS - 522
Last Update: 22-Feb-2025 09:30:39 Calib Date: 21-Feb-2025 17:14:53
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D

Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1701

First Level Reviewer: JH8B Date: 21-Feb-2025 14:19:36

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	6.267	6.291	-0.024	24	102531	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.372	8.393	-0.021	99	100581	500.0	504.8	
11 1,4-Dioxane	88	8.455	8.466	-0.011	81	1235	5.00	5.13	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Report Date: 22-Feb-2025 09:30:39 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 01.D

Injection Date: 21-Feb-2025 13:55:40 Instrument ID: GCMS-FE

Lims ID: IC 810-134052/5-A

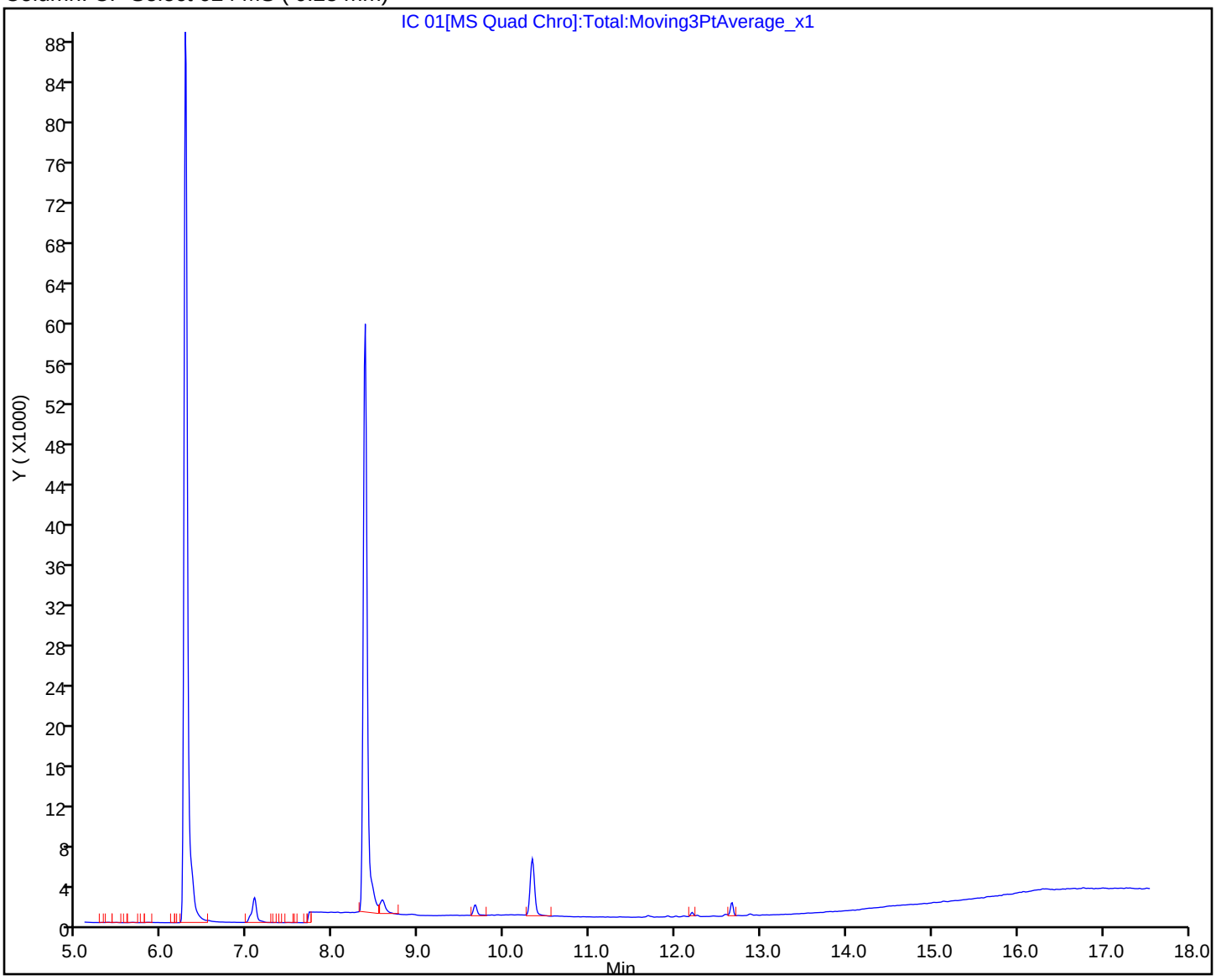
Client ID:

Operator ID: BC ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE Limit Group: MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend

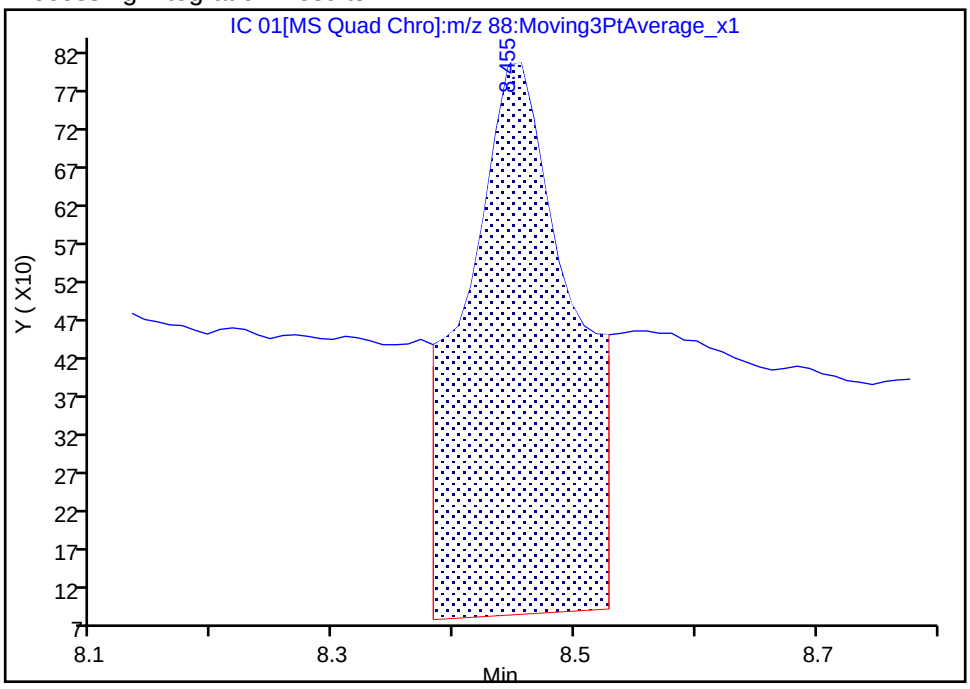
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 01.D				
Injection Date:	21-Feb-2025 13:55:40	Instrument ID:	GCMS-FE		
Lims ID:	IC 810-134052/5-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 1

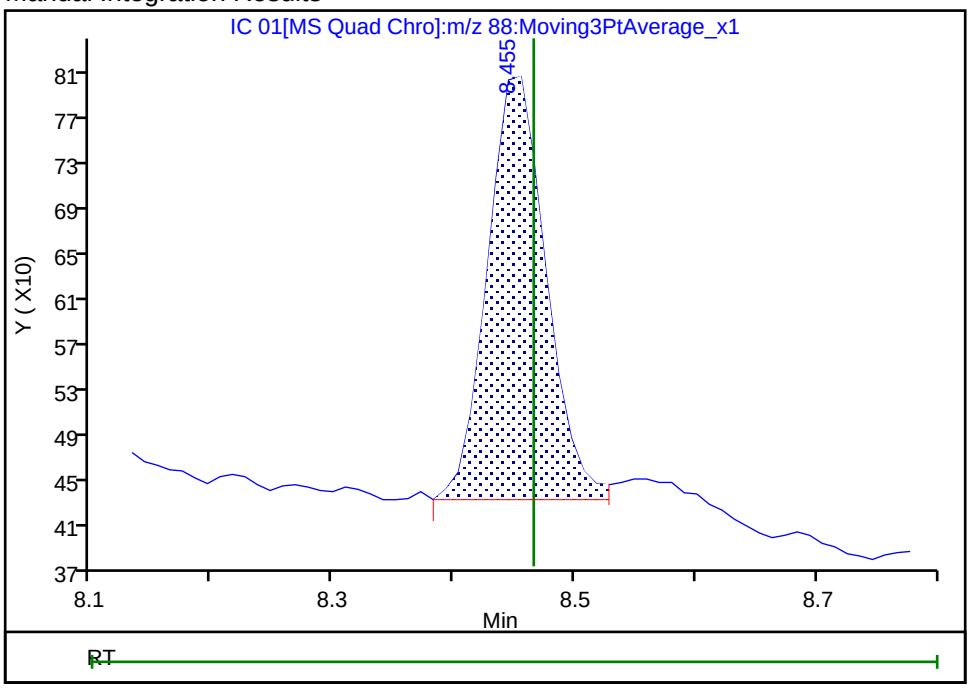
Processing Integration Results

RT: 8.46
Area: 4538
Amount: 5.000000
Amount Units: ug/l



Manual Integration Results

RT: 8.46
Area: 1235
Amount: 5.127449
Amount Units: ug/l



Reviewer: JH8B, 21-Feb-2025 14:20:43 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 02.D
Lims ID: IC 810-134052/6-A
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Feb-2025 14:17:45 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0034416-005
Misc. Info.: IC 810-134052/6-A
Operator ID: BC Instrument ID: GCMS-FE
Sublist: chrom-522_GCMS-FE*sub1
Raw Data: Smoothed

Method: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\522_GCMS-FE.m
Limit Group: MSS - 522
Last Update: 22-Feb-2025 09:30:40 Calib Date: 21-Feb-2025 17:14:53
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D

Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1701

First Level Reviewer: JH8B Date: 22-Feb-2025 09:05:32

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	6.275	6.291	-0.016	24	106576	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.372	8.393	-0.021	98	104460	500.0	504.4	
11 1,4-Dioxane	88	8.455	8.466	-0.011	82	2305	10.0	9.76	M

QC Flag Legend

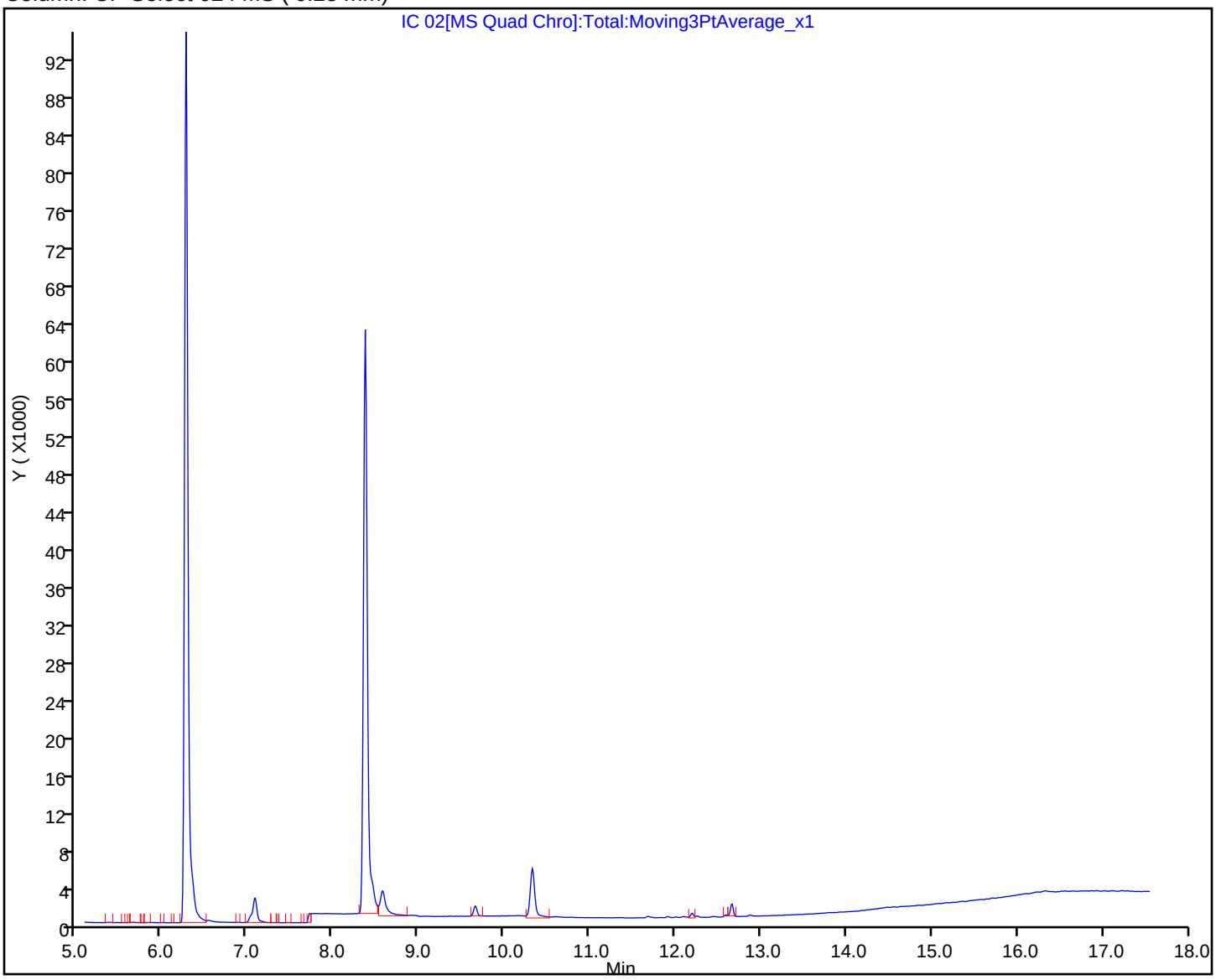
Processing Flags
Review Flags
M - Manually Integrated

Report Date: 22-Feb-2025 09:30:40 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Eaton Analytical South Bend

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 02.D				
Injection Date:	21-Feb-2025 14:17:45	Instrument ID:	GCMS-FE		
Lims ID:	IC 810-134052/6-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		

Column: CP Select 624 MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

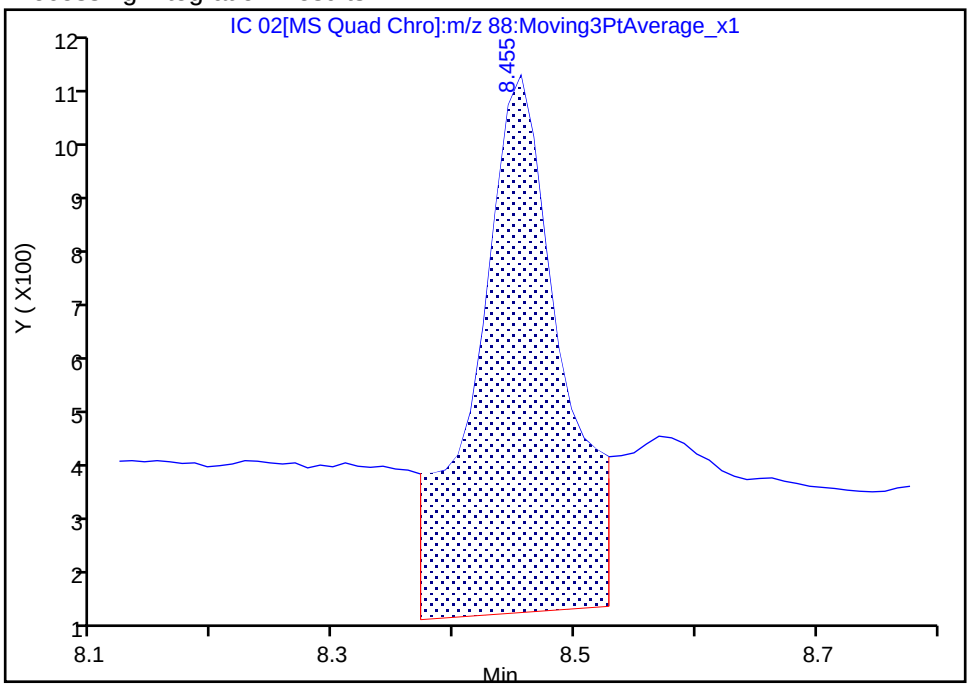
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 02.D				
Injection Date:	21-Feb-2025 14:17:45	Instrument ID:	GCMS-FE		
Lims ID:	IC 810-134052/6-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 1

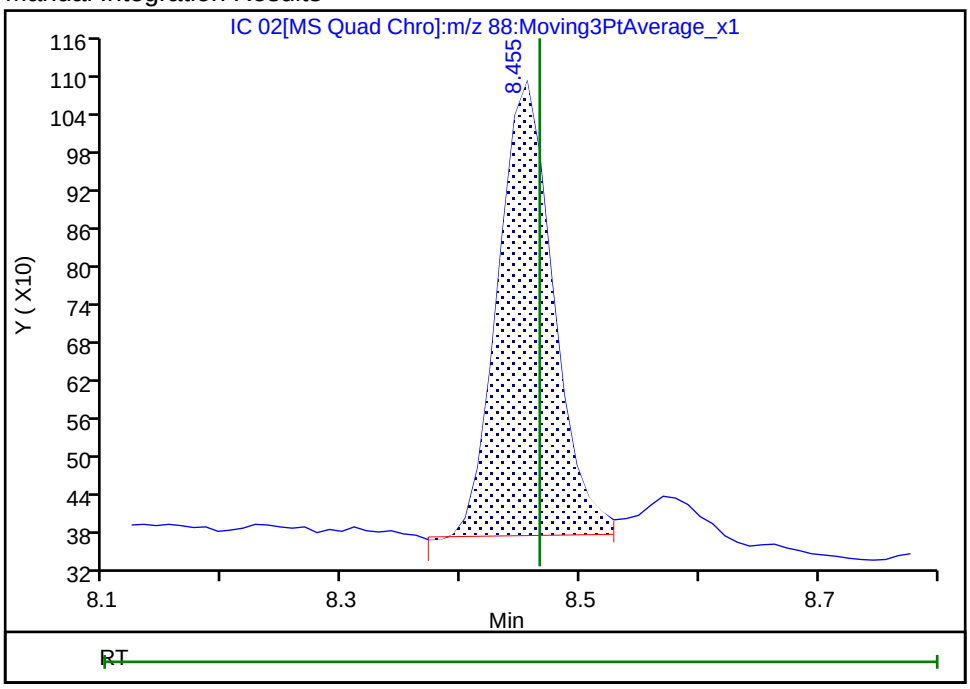
Processing Integration Results

RT: 8.46
Area: 4860
Amount: 18.844044
Amount Units: ug/l



Manual Integration Results

RT: 8.46
Area: 2305
Amount: 9.761867
Amount Units: ug/l



Reviewer: JH8B, 22-Feb-2025 09:05:30 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 05.D				
Lims ID:	IC 810-134052/7-A				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	21-Feb-2025 14:39:50	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0034416-006				
Misc. Info.:	IC 810-134052/7-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Sublist:	chrom-522_GCMS-FE*sub1				
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	22-Feb-2025 09:30:40	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1701				
First Level Reviewer: JH8B		Date:	22-Feb-2025 09:05:43		

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	6.275	6.291	-0.016	24	104360	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.372	8.393	-0.021	98	101961	500.0	502.8	
11 1,4-Dioxane	88	8.455	8.466	-0.011	82	5368	25.0	24.2	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Report Date: 22-Feb-2025 09:30:41 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 05.D

Injection Date: 21-Feb-2025 14:39:50 Instrument ID: GCMS-FE

Lims ID: IC 810-134052/7-A

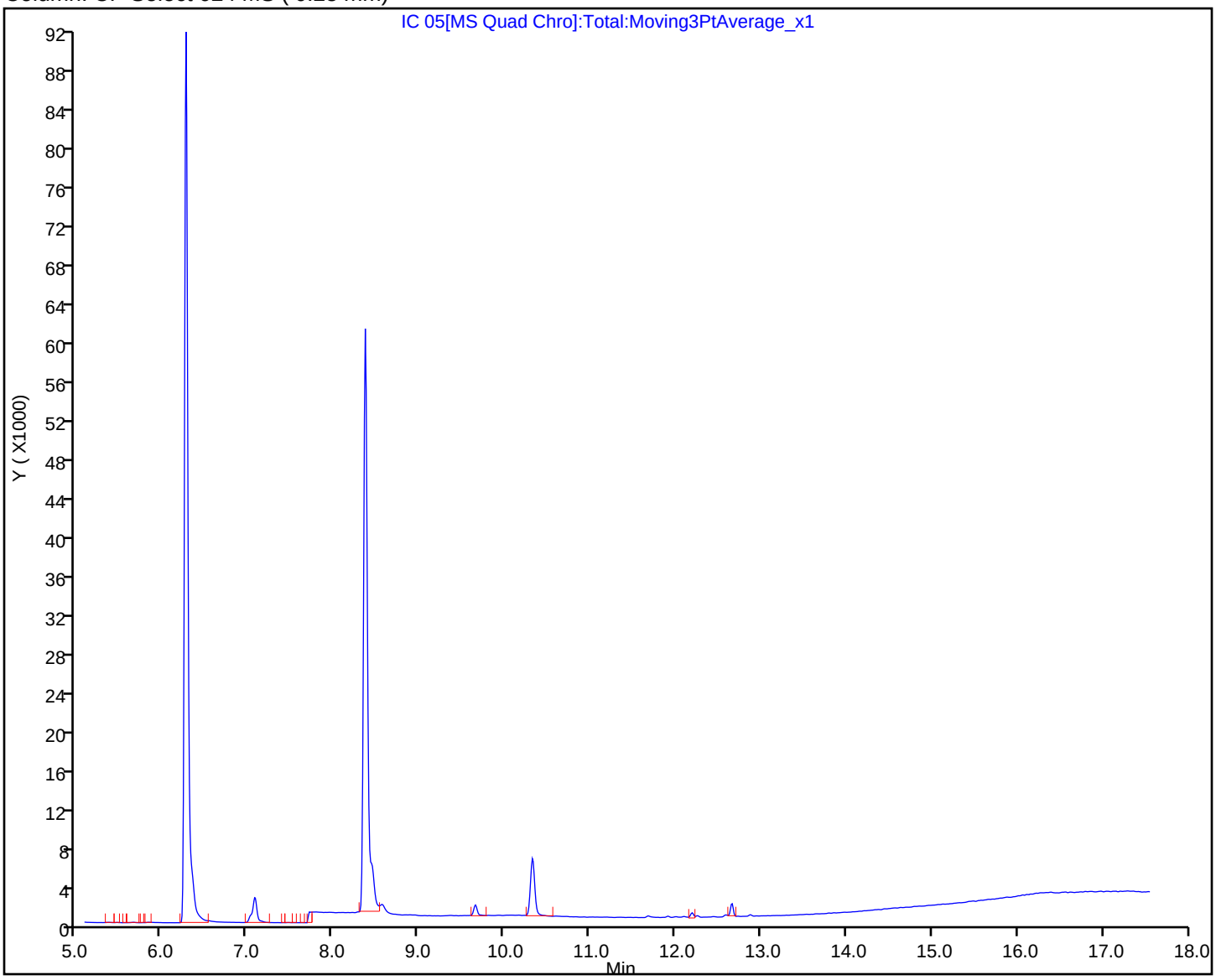
Client ID:

Operator ID: BC ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE Limit Group: MSS - 522

Column: CP Select 624 MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

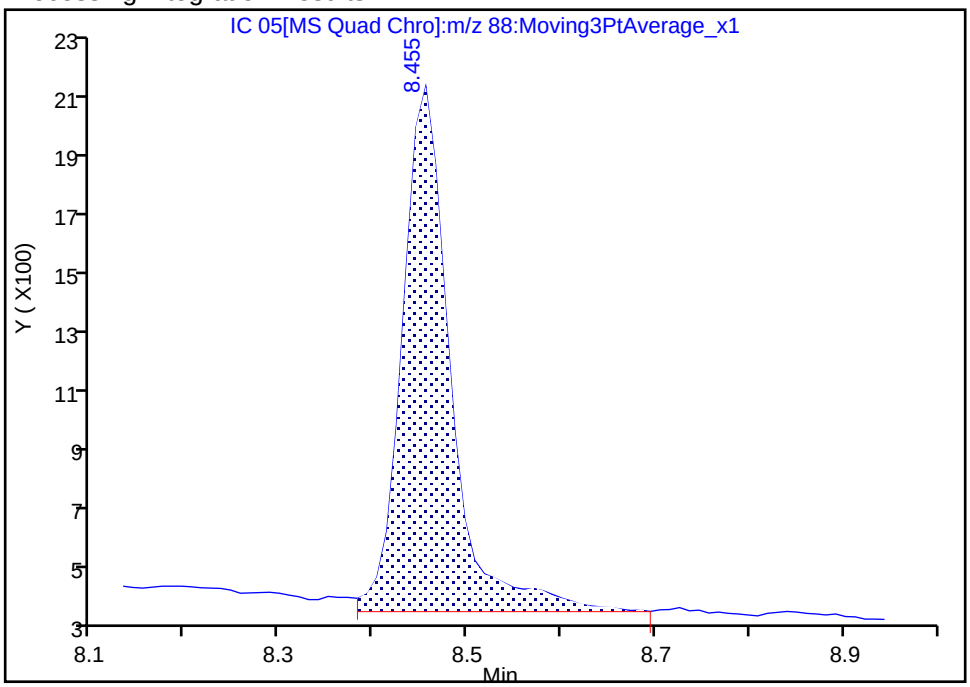
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 05.D				
Injection Date:	21-Feb-2025 14:39:50	Instrument ID:	GCMS-FE		
Lims ID:	IC 810-134052/7-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 1

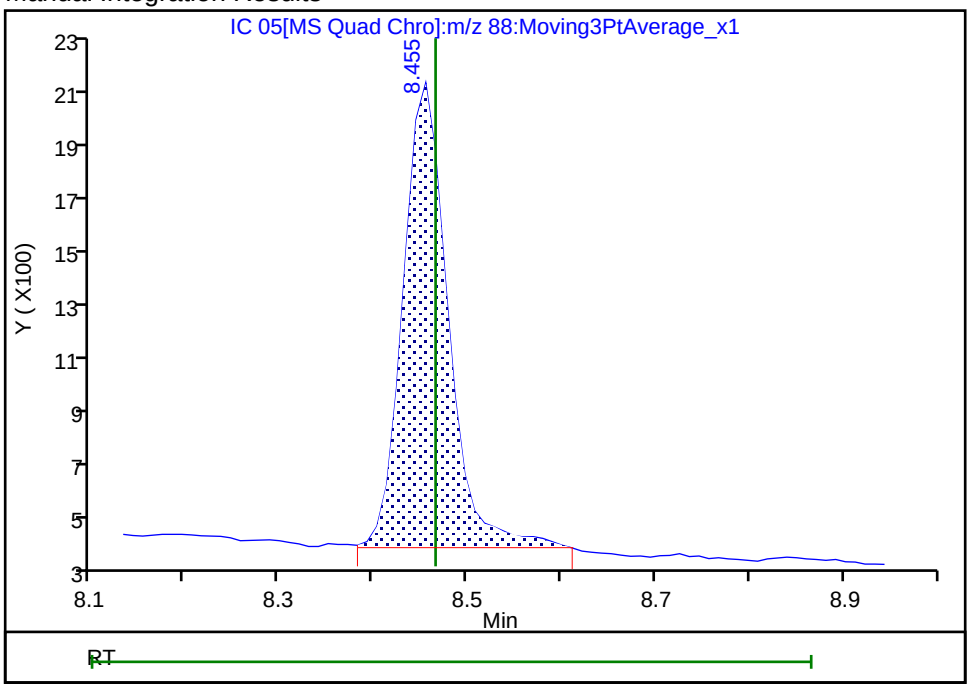
Processing Integration Results

RT: 8.46
Area: 5890
Amount: 25.765671
Amount Units: ug/l



Manual Integration Results

RT: 8.46
Area: 5368
Amount: 24.178593
Amount Units: ug/l



Reviewer: JH8B, 22-Feb-2025 09:05:42 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 1.D
Lims ID: IC 810-134052/8-A
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Feb-2025 15:02:02 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0034416-007
Misc. Info.: IC 810-134052/8-A
Operator ID: BC Instrument ID: GCMS-FE
Sublist: chrom-522_GCMS-FE*sub1
Raw Data: Smoothed

Method: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\522_GCMS-FE.m
Limit Group: MSS - 522
Last Update: 22-Feb-2025 09:30:41 Calib Date: 21-Feb-2025 17:14:53
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D

Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1701

First Level Reviewer: JH8B Date: 22-Feb-2025 09:05:50

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	6.275	6.275	0.000	24	107407	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.372	8.372	0.000	98	105400	500.0	505.0	
11 1,4-Dioxane	88	8.455	8.455	0.000	82	11269	50.0	50.0	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

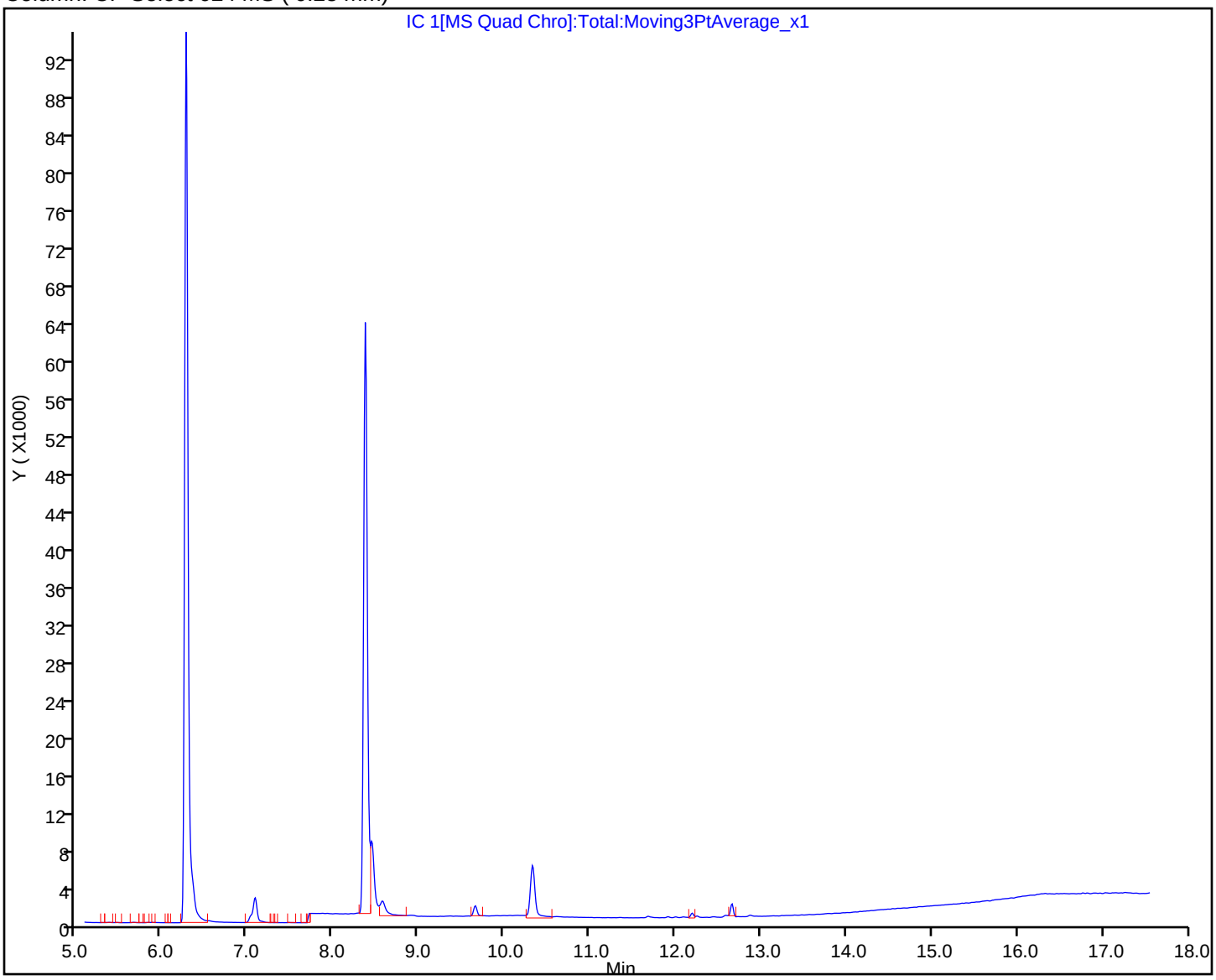
Report Date: 22-Feb-2025 09:30:41 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 1.D

Injection Date:	21-Feb-2025 15:02:02	Instrument ID:	GCMS-FE		
Lims ID:	IC 810-134052/8-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend

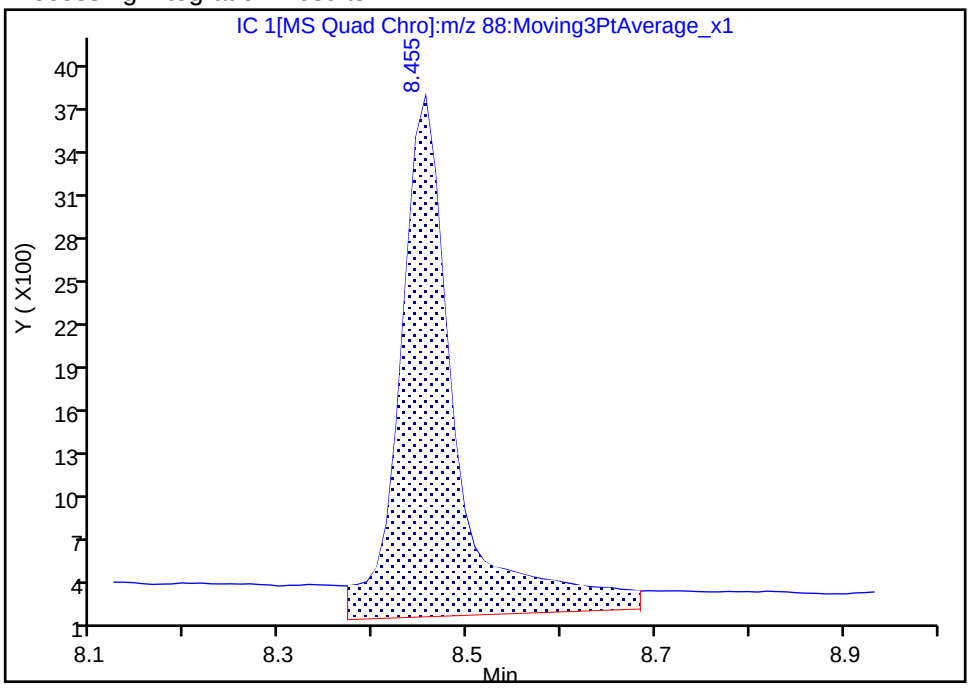
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 1.D				
Injection Date:	21-Feb-2025 15:02:02	Instrument ID:	GCMS-FE		
Lims ID:	IC 810-134052/8-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 1

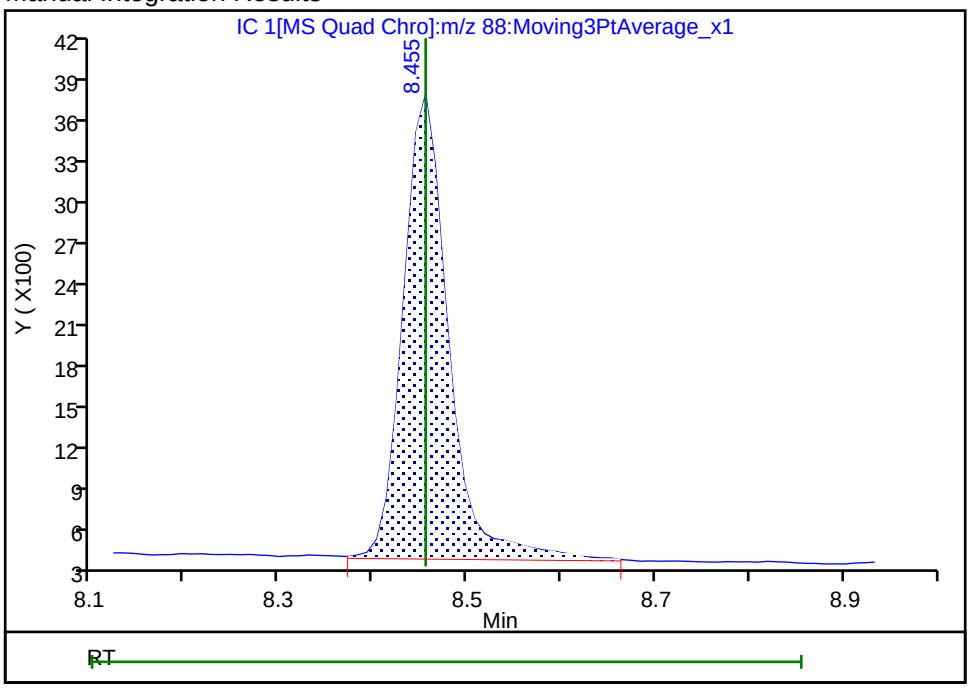
Processing Integration Results

RT: 8.46
Area: 14610
Amount: 64.040536
Amount Units: ug/l



Manual Integration Results

RT: 8.46
Area: 11269
Amount: 50.043635
Amount Units: ug/l



Reviewer: JH8B, 22-Feb-2025 09:05:49 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 2.D				
Lims ID:	IC 810-134052/9-A				
Client ID:					
Sample Type:	IC	Calib Level:	6		
Inject. Date:	21-Feb-2025 15:24:09	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0034416-008				
Misc. Info.:	IC 810-134052/9-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Sublist:	chrom-522_GCMS-FE*sub1				
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	22-Feb-2025 09:30:42	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1701				

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	6.275	6.275	0.000	24	107360	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.383	8.372	0.011	100	104188	500.0	499.4	
11 1,4-Dioxane	88	8.455	8.455	0.000	82	21269	100.0	95.1	

Report Date: 22-Feb-2025 09:30:42 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 2.D

Injection Date: 21-Feb-2025 15:24:09 Instrument ID: GCMS-FE

Lims ID: IC 810-134052/9-A

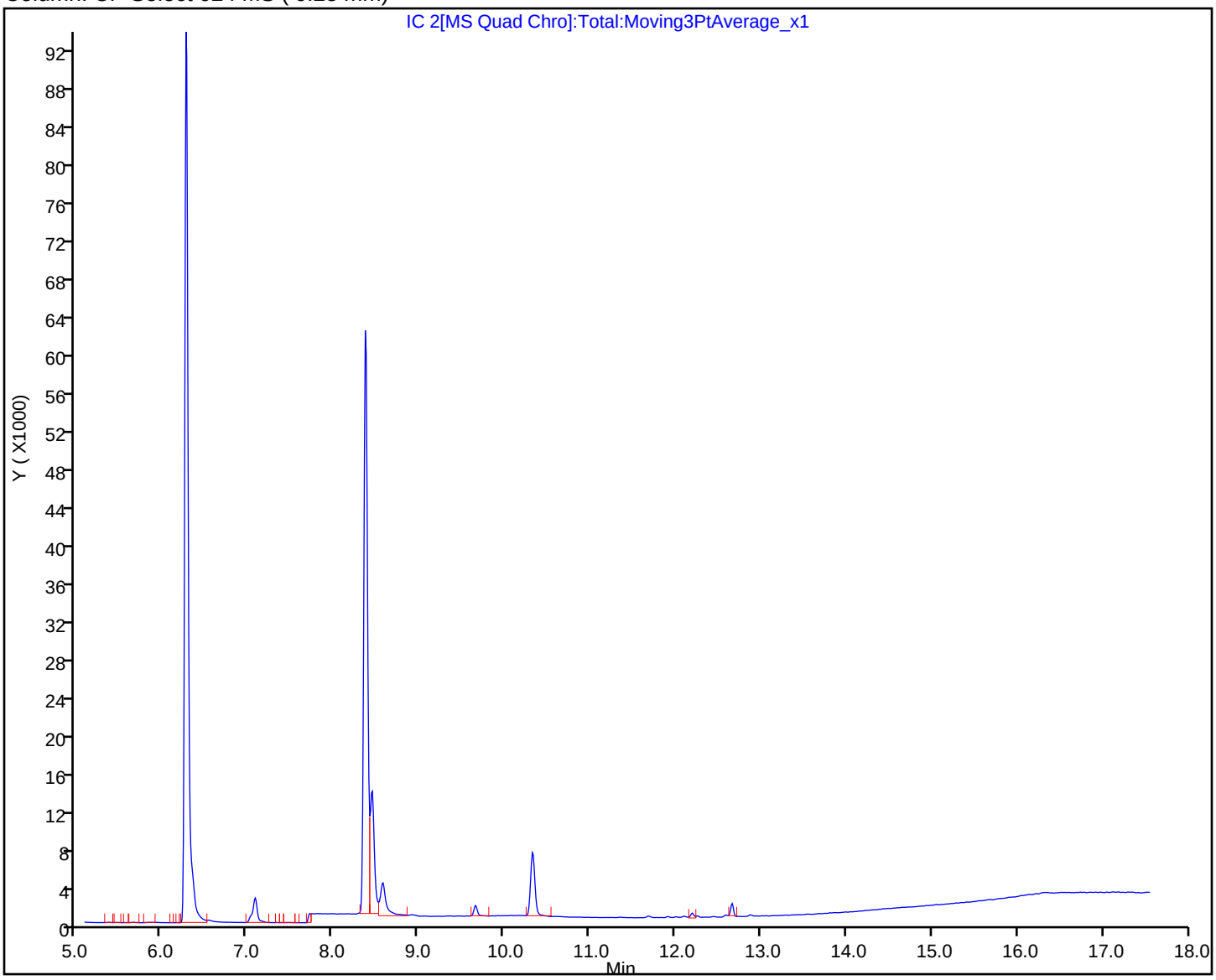
Client ID:

Operator ID: BC ALS Bottle#: 8 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE 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-FE\20250221-34416.b\IC 5.D				
Lims ID:	IC 810-134052/10-A				
Client ID:					
Sample Type:	IC	Calib Level:	7		
Inject. Date:	21-Feb-2025 15:46:16	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0034416-009				
Misc. Info.:	IC 810-134052/10-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Sublist:	chrom-522_GCMS-FE*sub1				
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	22-Feb-2025 09:30:43	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1701				

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	6.283	6.275	0.008	24	106703	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.383	8.372	0.011	100	103030	500.0	496.9	
11 1,4-Dioxane	88	8.455	8.455	0.000	82	55517	250.0	250.9	

Report Date: 22-Feb-2025 09:30:43 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 5.D

Injection Date: 21-Feb-2025 15:46:16 Instrument ID: GCMS-FE

Lims ID: IC 810-134052/10-A

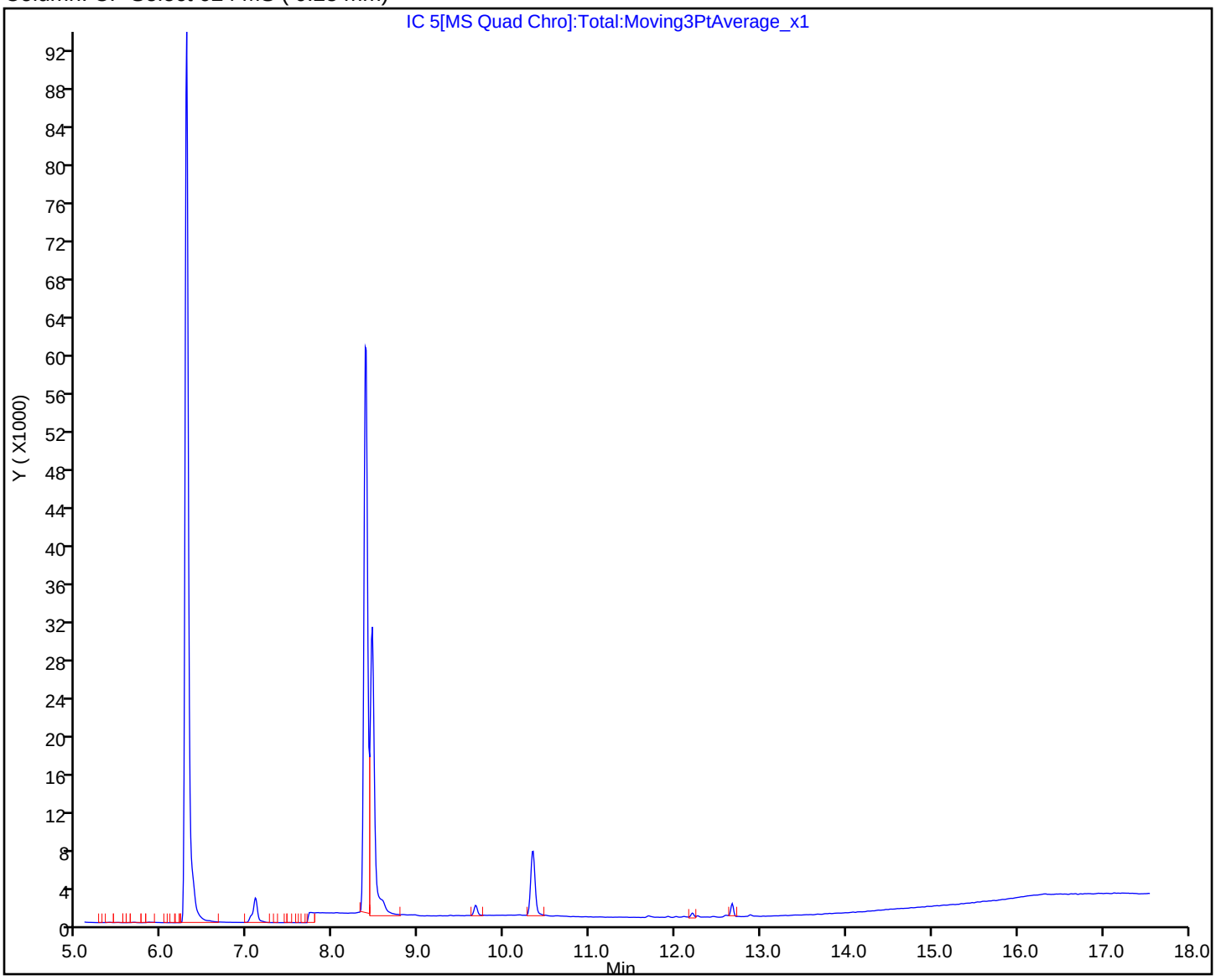
Client ID:

Operator ID: BC ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE 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-FE\20250221-34416.b\IC 10.D				
Lims ID:	IC 810-134052/11-A				
Client ID:					
Sample Type:	IC	Calib Level:	8		
Inject. Date:	21-Feb-2025 16:08:28	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0034416-010				
Misc. Info.:	IC 810-134052/11-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Sublist:	chrom-522_GCMS-FE*sub1				
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	22-Feb-2025 09:30:44	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1701				
First Level Reviewer: JH8B		Date:	22-Feb-2025 09:06:04		

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	6.283	6.275	0.008	24	108257	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.382	8.372	0.010	100	106538	500.0	506.5	
11 1,4-Dioxane	88	8.455	8.455	0.000	82	116422	500.0	519.4	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

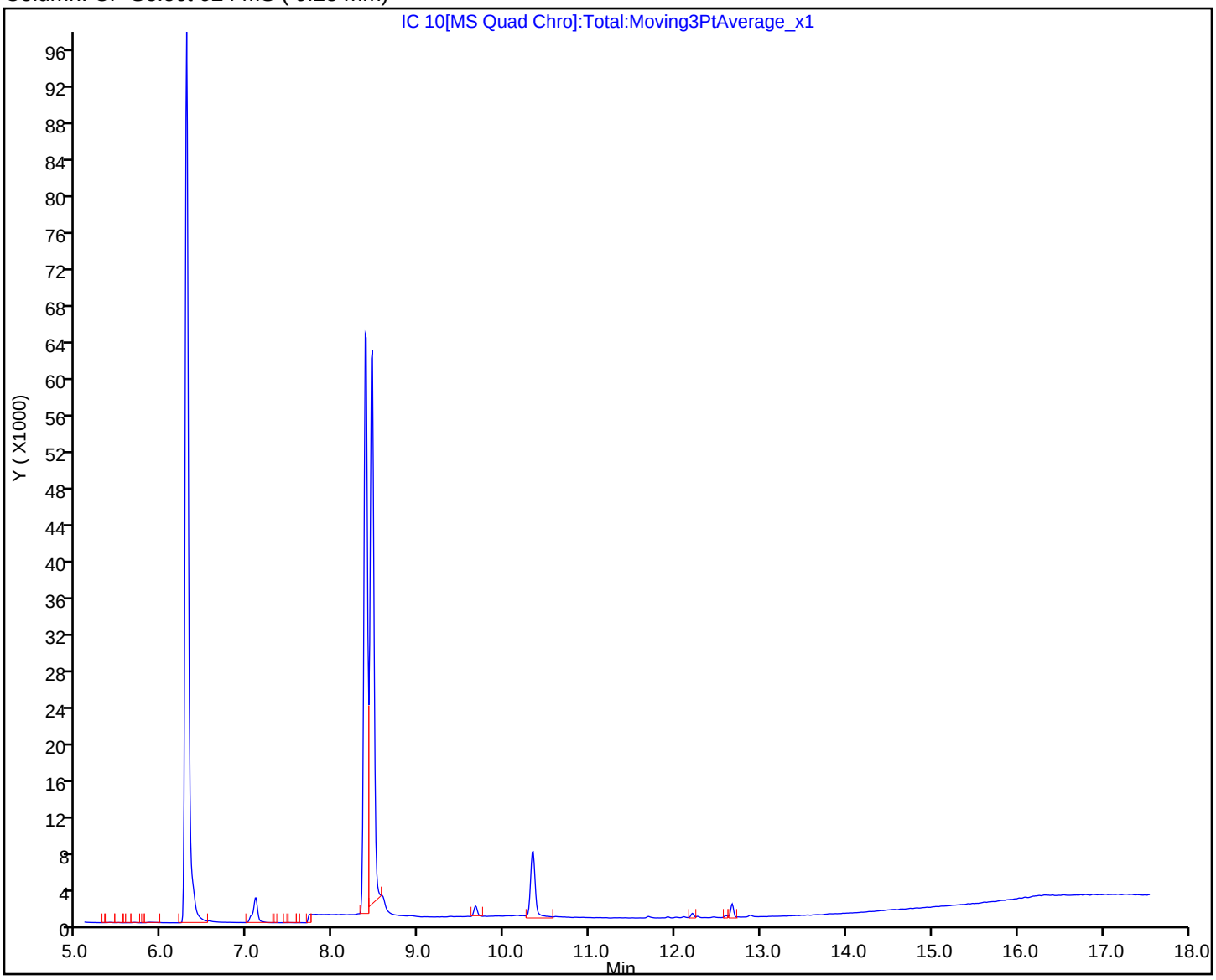
Report Date: 22-Feb-2025 09:30:44 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 10.D

Injection Date:	21-Feb-2025 16:08:28	Instrument ID:	GCMS-FE		
Lims ID:	IC 810-134052/11-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		

Column: CP Select 624 MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

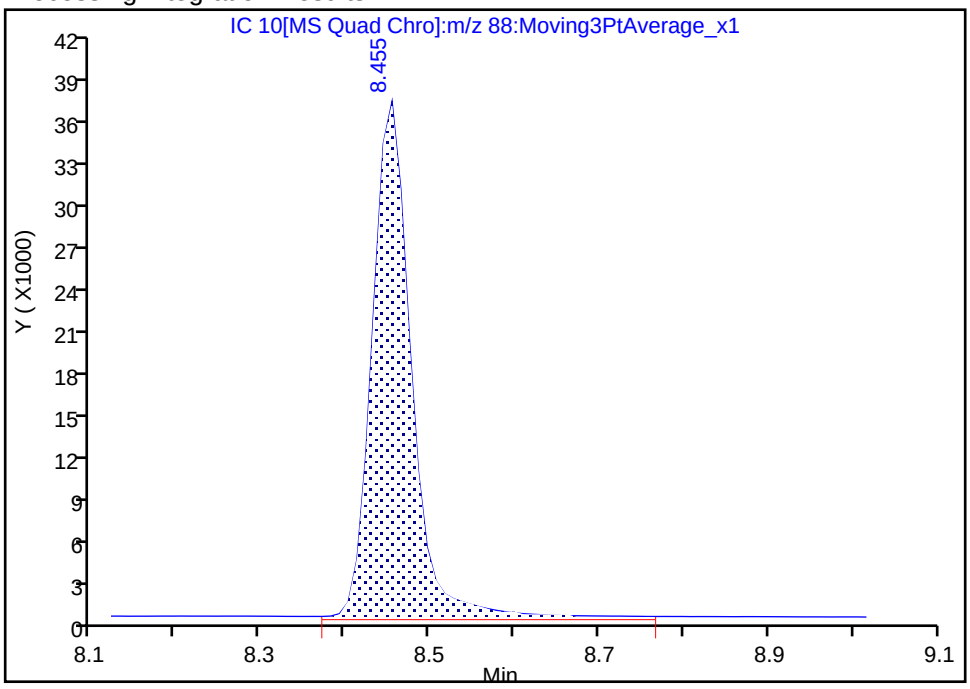
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 10.D				
Injection Date:	21-Feb-2025 16:08:28	Instrument ID:	GCMS-FE		
Lims ID:	IC 810-134052/11-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

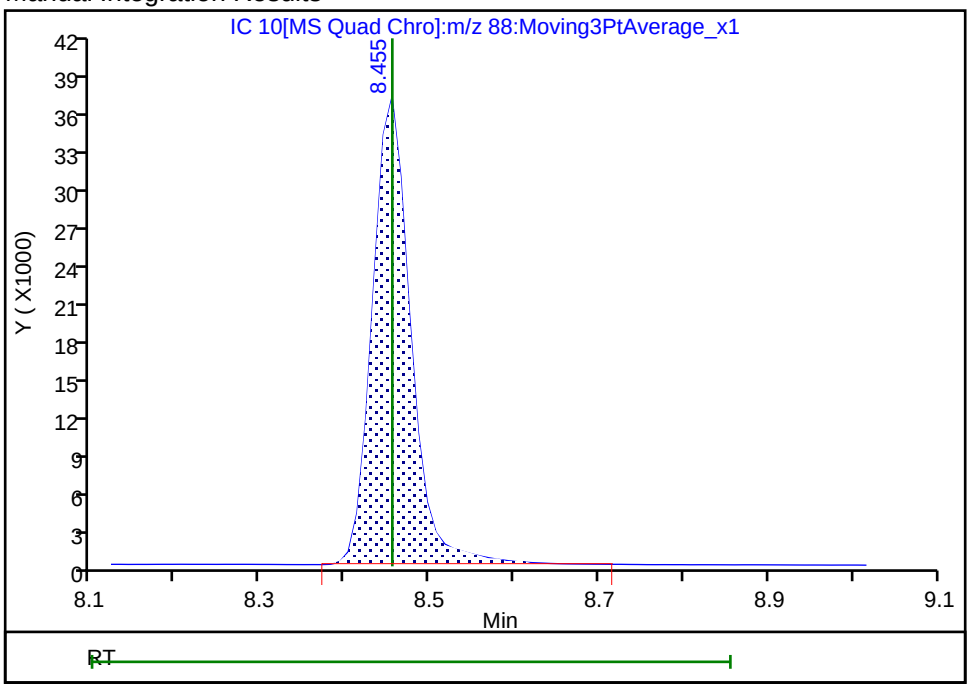
Processing Integration Results

RT: 8.46
Area: 123203
Amount: 545.1360
Amount Units: ug/l



Manual Integration Results

RT: 8.46
Area: 116422
Amount: 519.4058
Amount Units: ug/l



Reviewer: JH8B, 22-Feb-2025 09:06:03 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 20.D
Lims ID: ICISAV 810-134052/12-A
Client ID:
Sample Type: ICISAV Calib Level: 9
Inject. Date: 21-Feb-2025 16:30:36 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0034416-011
Misc. Info.: ICISAV 810-134052/12-A
Operator ID: BC Instrument ID: GCMS-FE
Sublist: chrom-522_GCMS-FE*sub1
Raw Data: Smoothed

Method: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\522_GCMS-FE.m
Limit Group: MSS - 522
Last Update: 22-Feb-2025 09:30:44 Calib Date: 21-Feb-2025 17:14:53
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D

Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1701

First Level Reviewer: JH8B Date: 22-Feb-2025 09:06:13

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	6.283	6.283	0.000	24	105756	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.382	8.382	0.000	99	102025	500.0	496.5	
11 1,4-Dioxane	88	8.455	8.455	0.000	82	219403	1000.0	1002.6	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Report Date: 22-Feb-2025 09:30:45 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 20.D

Injection Date: 21-Feb-2025 16:30:36 Instrument ID: GCMS-FE

Lims ID: ICISAV 810-134052/12-A

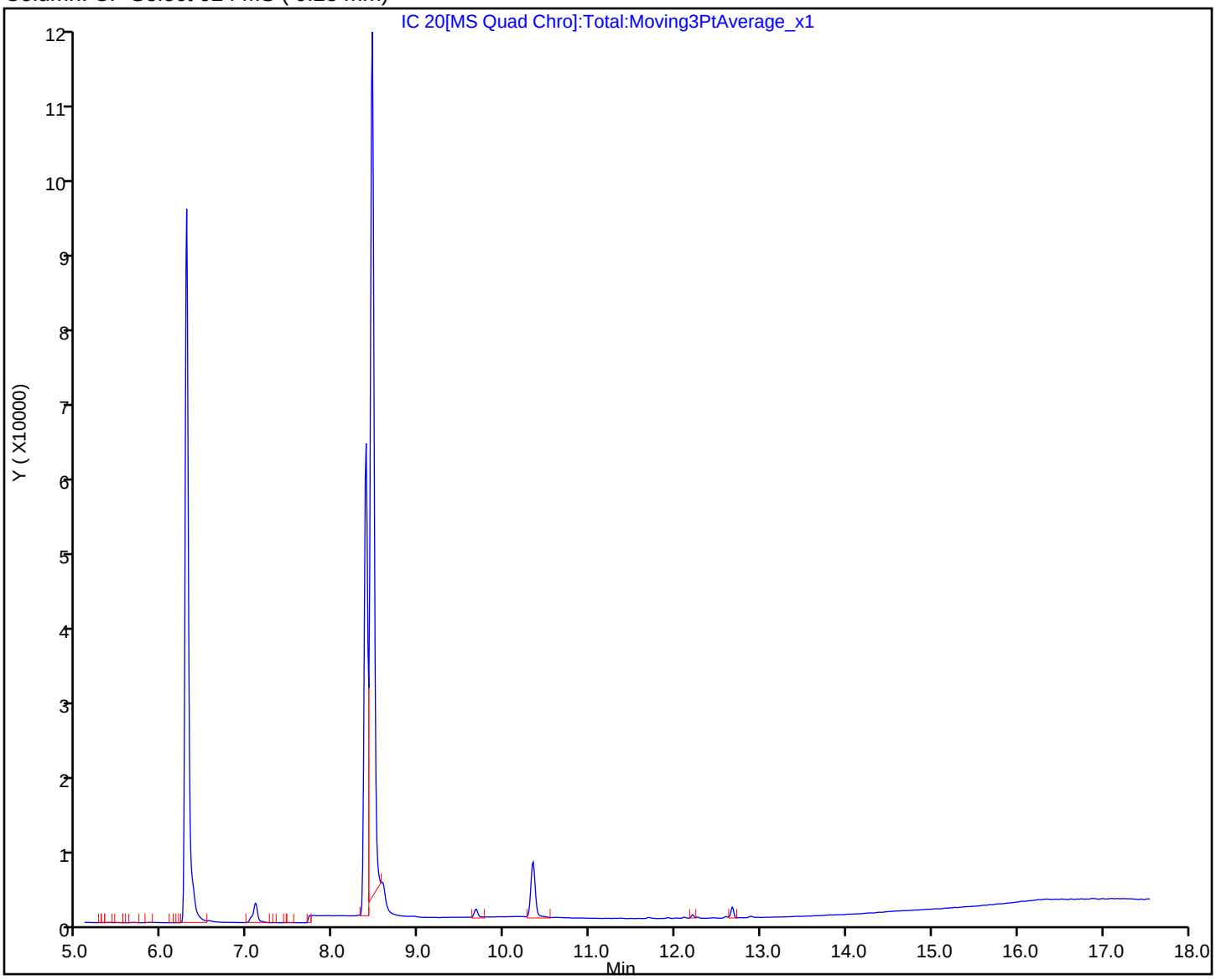
Client ID:

Operator ID: BC ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE Limit Group: MSS - 522

Column: CP Select 624 MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

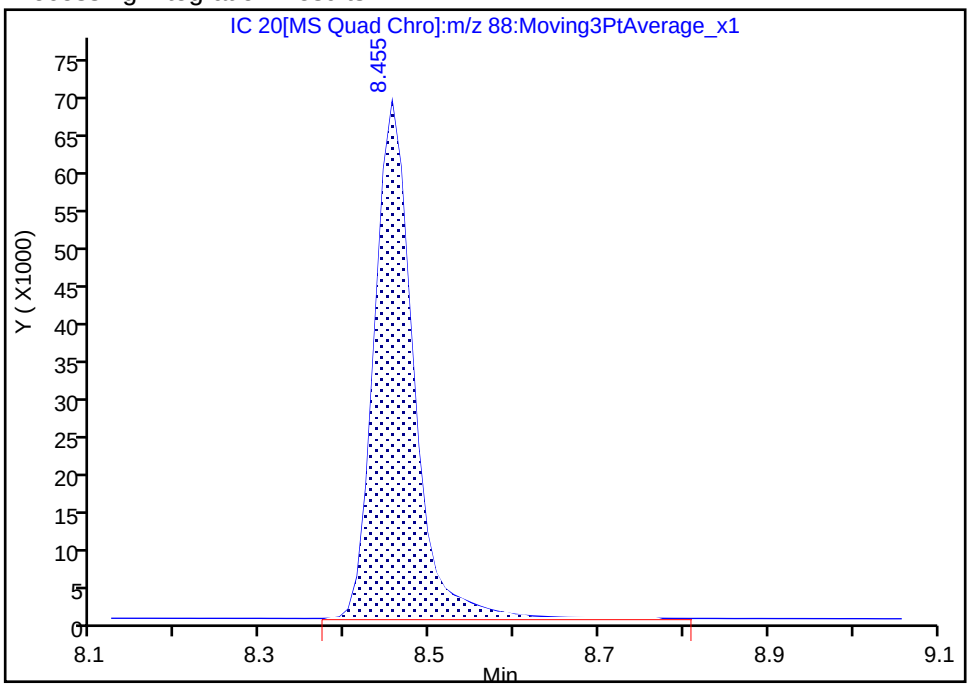
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 20.D				
Injection Date:	21-Feb-2025 16:30:36	Instrument ID:	GCMS-FE		
Lims ID:	ICISAV 810-134052/12-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

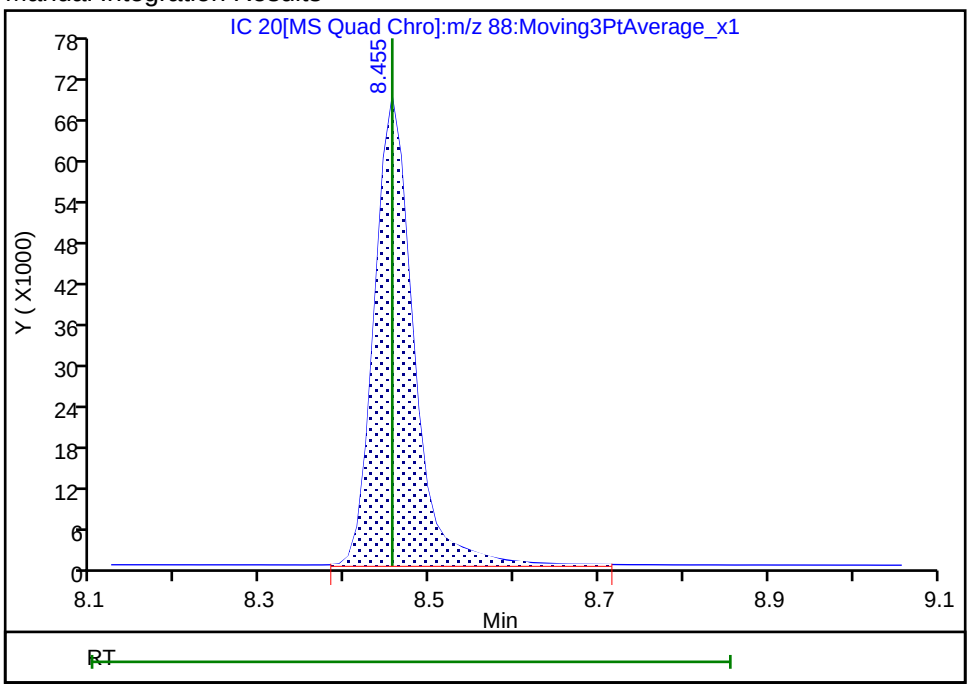
Processing Integration Results

RT: 8.46
Area: 225269
Amount: 1024.1785
Amount Units: ug/l



Manual Integration Results

RT: 8.46
Area: 219403
Amount: 1002.6428
Amount Units: ug/l



Reviewer: JH8B, 22-Feb-2025 09:06:12 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 50.D				
Lims ID:	IC 810-134052/13-A				
Client ID:					
Sample Type:	IC	Calib Level:	10		
Inject. Date:	21-Feb-2025 16:52:44	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0034416-012				
Misc. Info.:	IC 810-134052/13-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Sublist:	chrom-522_GCMS-FE*sub1				
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	22-Feb-2025 09:30:45	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1701				
First Level Reviewer: JH8B		Date:	22-Feb-2025 09:06:21		

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	6.275	6.283	-0.008	24	107697	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.372	8.382	-0.010	99	105141	500.0	502.4	
11 1,4-Dioxane	88	8.445	8.455	-0.010	82	552833	2500.0	2481.9	M

QC Flag Legend

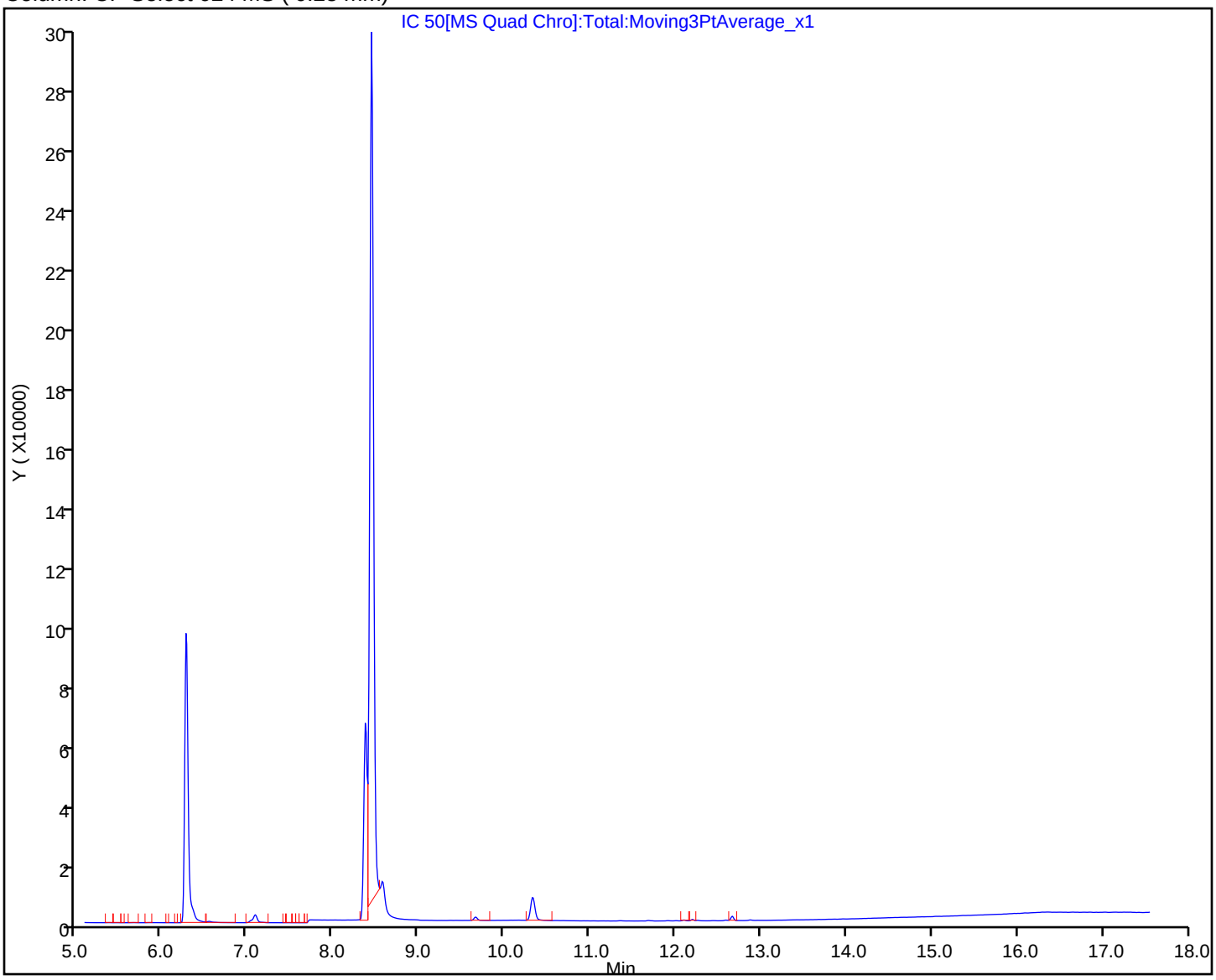
Processing Flags
Review Flags
M - Manually Integrated

Report Date: 22-Feb-2025 09:30:45 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Eaton Analytical South Bend

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 50.D				
Injection Date:	21-Feb-2025 16:52:44	Instrument ID:	GCMS-FE		
Lims ID:	IC 810-134052/13-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		

Column: CP Select 624 MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

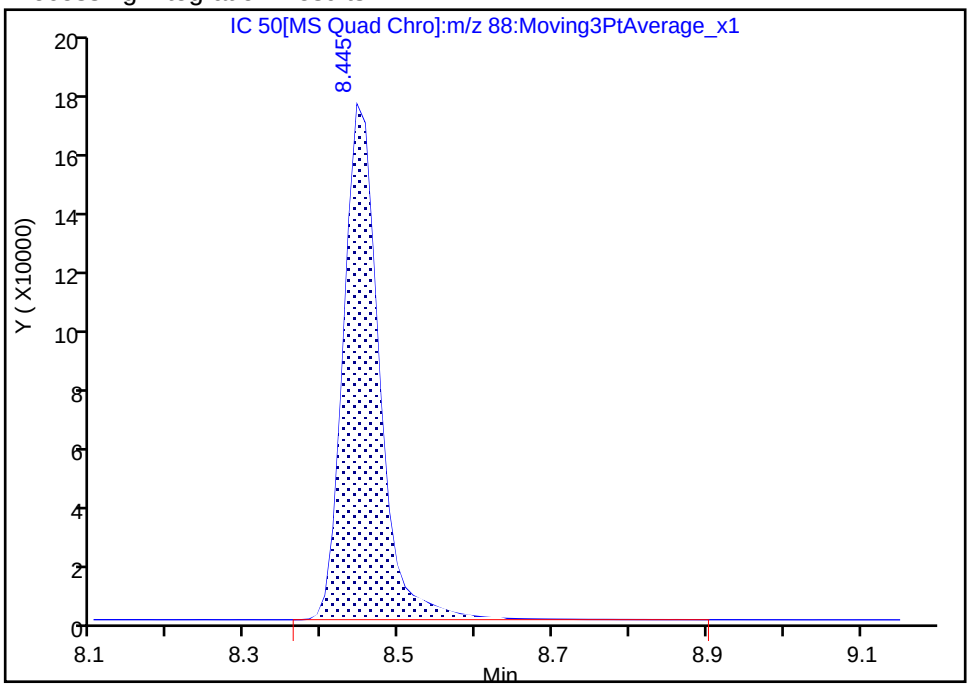
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC 50.D				
Injection Date:	21-Feb-2025 16:52:44	Instrument ID:	GCMS-FE		
Lims ID:	IC 810-134052/13-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

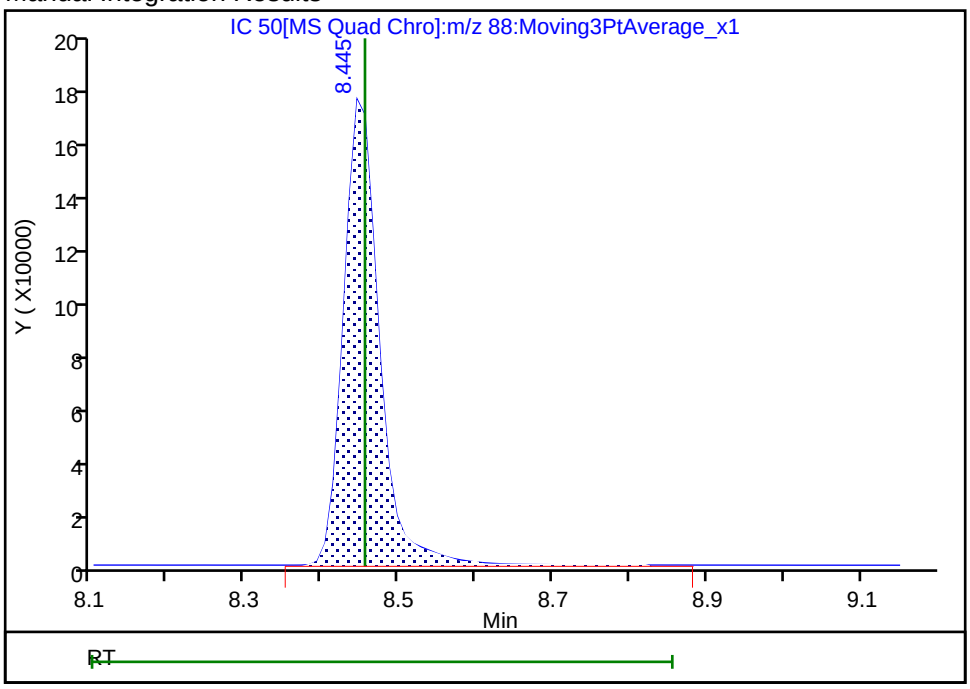
Processing Integration Results

RT: 8.44
Area: 557708
Amount: 2497.9226
Amount Units: ug/l



Manual Integration Results

RT: 8.44
Area: 552833
Amount: 2481.8706
Amount Units: ug/l



Reviewer: JH8B, 22-Feb-2025 09:06:20 -05:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Lims ID:	IC 810-134052/14-A				
Client ID:					
Sample Type:	IC	Calib Level:	11		
Inject. Date:	21-Feb-2025 17:14:53	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0034416-013				
Misc. Info.:	IC 810-134052/14-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Sublist:	chrom-522_GCMS-FE*sub1				
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	22-Feb-2025 09:30:46	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1701				

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	6.275	6.283	-0.008	24	106579	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.372	8.382	-0.010	99	100748	500.0	486.5	
11 1,4-Dioxane	88	8.445	8.455	-0.010	83	1102197	5000.0	5000.8	

Report Date: 22-Feb-2025 09:30:46 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D

Injection Date: 21-Feb-2025 17:14:53 Instrument ID: GCMS-FE

Lims ID: IC 810-134052/14-A

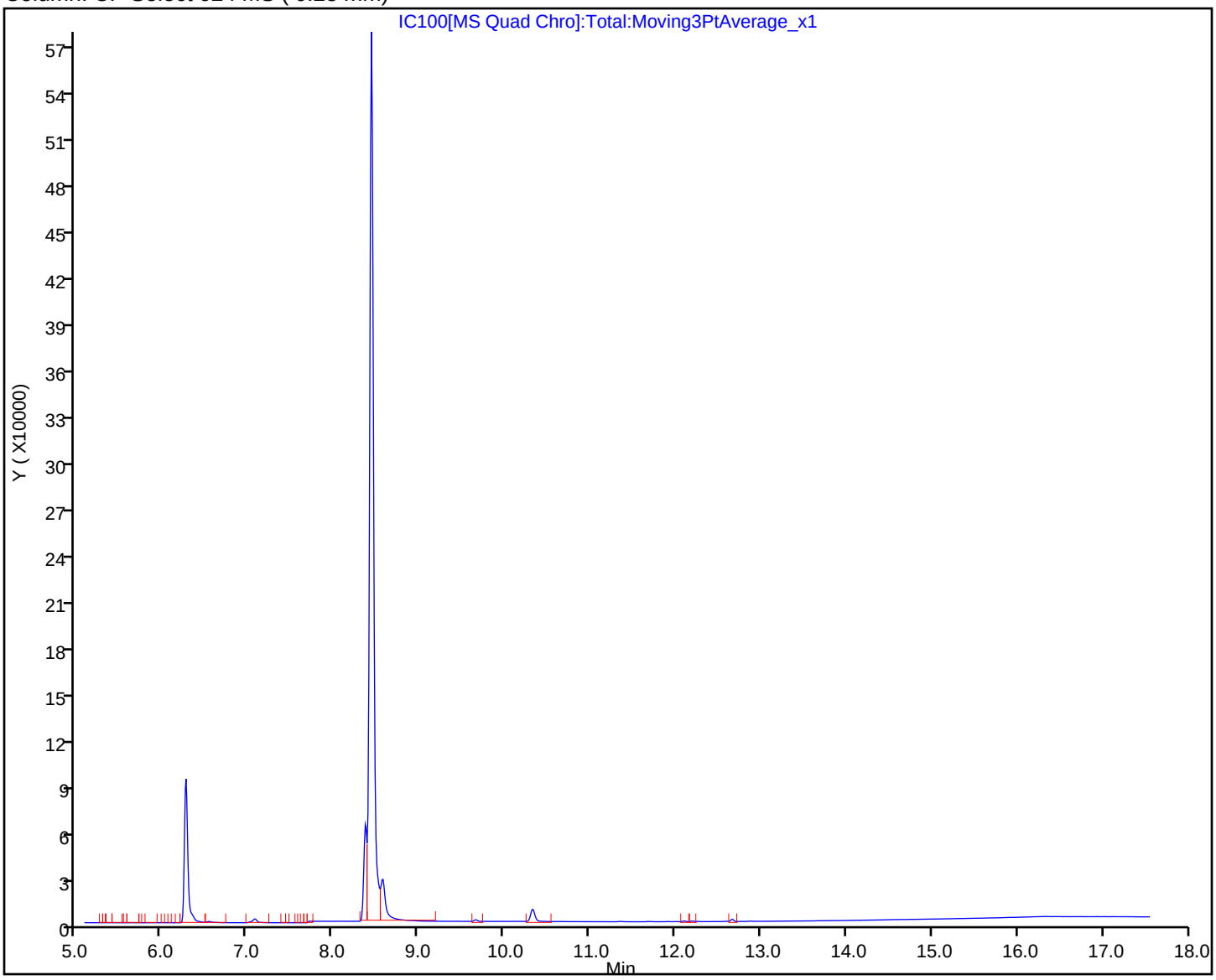
Client ID:

Operator ID: BC ALS Bottle#: 13 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE 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.: 810-141400-1

SDG No.:

Lab Sample ID: ICV 810-134052/15-A Calibration Date: 02/21/2025 18:21

Instrument ID: GCMS-FE Calib Start Date: 02/21/2025 13:33

GC Column: CPSelect 624 MS ID: 0.25(mm) Calib End Date: 02/21/2025 17:14

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		1.034		99.3	100	99	80-120
1,4-Dioxane-d8 (Surr)	Ave	0.9716	0.9395		483	500	97	70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\ICV.D
Lims ID: ICV 810-134052/15-A
Client ID:
Sample Type: ICV
Inject. Date: 21-Feb-2025 18:21:13 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0034416-015
Misc. Info.: ICV 810-134052/15-A
Operator ID: BC Instrument ID: GCMS-FE
Sublist:
Raw Data: Smoothed

Method: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\522_GCMS-FE.m
Limit Group: MSS - 522
Last Update: 24-Feb-2025 09:25:07 Calib Date: 21-Feb-2025 17:14:53
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D

Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1620

First Level Reviewer: JH8B Date: 22-Feb-2025 09:06:36

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	6.283	6.283	0.000	24	106637	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.383	8.382	0.001	99	100182	500.0	483.5	
11 1,4-Dioxane	88	8.455	8.455	0.000	82	22048	100.0	99.3	M

QC Flag Legend

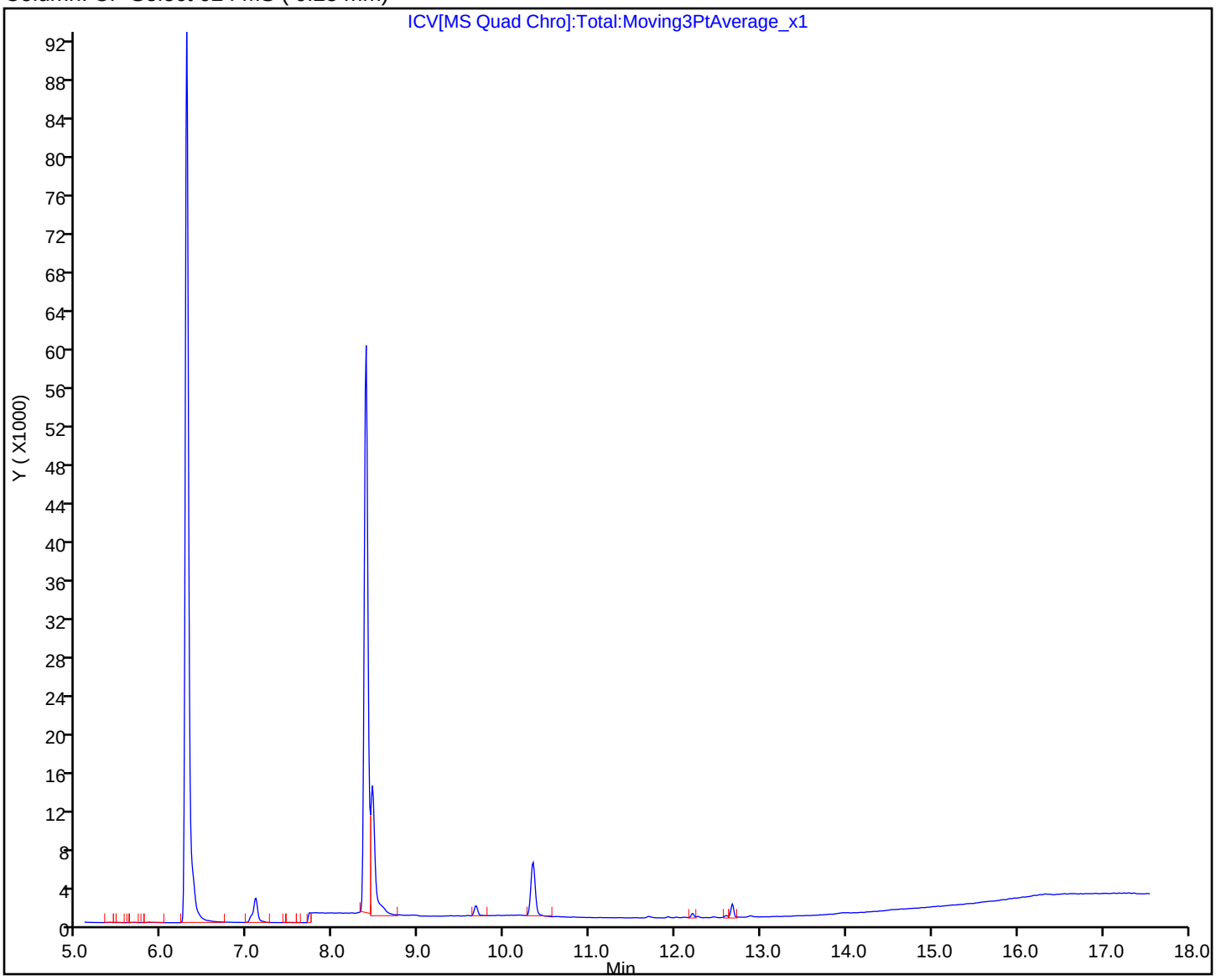
Processing Flags
Review Flags
M - Manually Integrated

Report Date: 24-Feb-2025 09:25:08 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Eaton Analytical South Bend

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\ICV.D				
Injection Date:	21-Feb-2025 18:21:13	Instrument ID:	GCMS-FE		
Lims ID:	ICV 810-134052/15-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		

Column: CP Select 624 MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

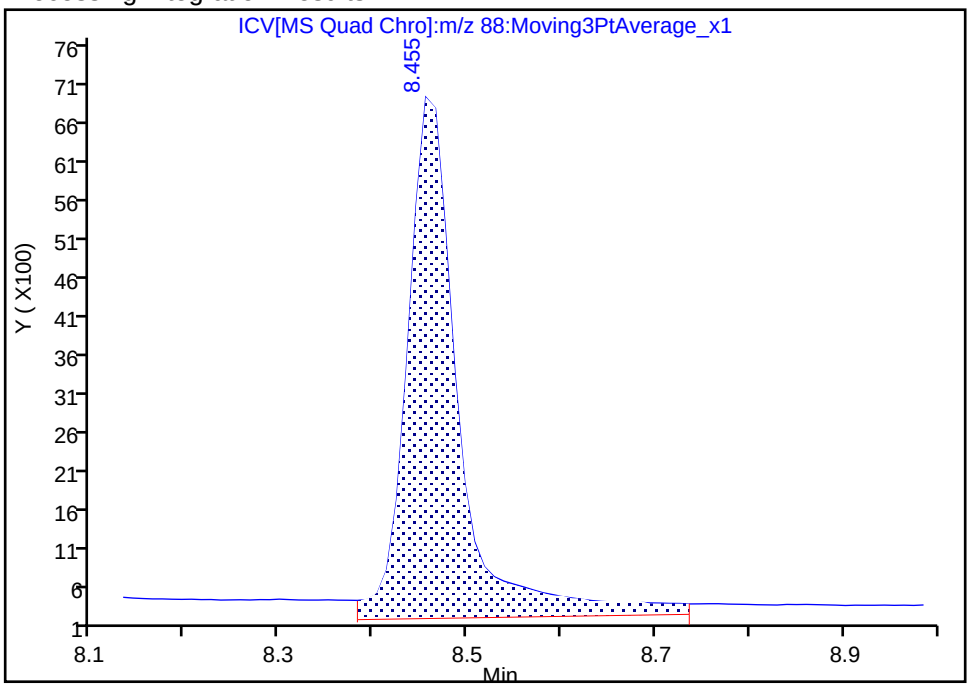
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\ICV.D				
Injection Date:	21-Feb-2025 18:21:13	Instrument ID:	GCMS-FE		
Lims ID:	ICV 810-134052/15-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

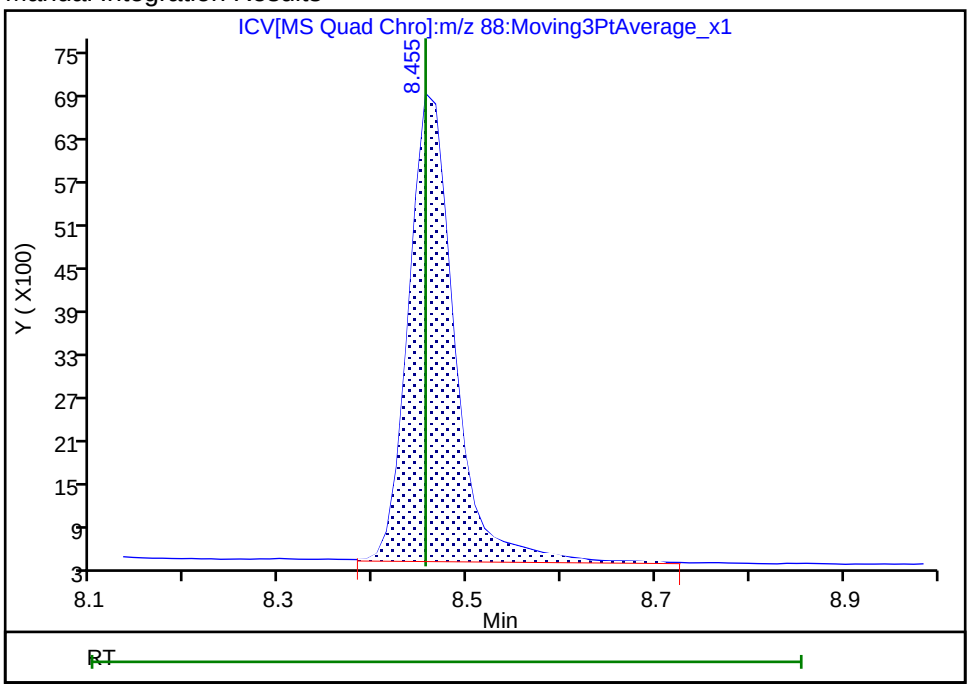
Processing Integration Results

RT: 8.46
Area: 26099
Amount: 117.6681
Amount Units: ug/l



Manual Integration Results

RT: 8.46
Area: 22048
Amount: 99.295684
Amount Units: ug/l



Reviewer: JH8B, 22-Feb-2025 09:06:35 -05:00:00 (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.: 810-141400-1

SDG No.:

Lab Sample ID: CCVLIS 810-137036/1- Calibration Date: 03/18/2025 14:59

Instrument ID: GCMS-FE Calib Start Date: 02/21/2025 13:33

GC Column: CPSelect 624 MS ID: 0.25(mm) Calib End Date: 02/21/2025 17:14

Lab File ID: CCVL.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%REC	%REC LIMITS
1,4-Dioxane	Lin1		1.007		2.71	3.50	77	50-150
1,4-Dioxane-d8 (Surr)	Ave	0.9716	0.8941		460	500	92	70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\CCVL.D
Lims ID: CCVLIS 810-137036/1-A
Client ID:
Sample Type: CCVLIS
Inject. Date: 18-Mar-2025 14:59:34 ALS Bottle#: 2 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0035258-001
Misc. Info.: CCVLIS 810-137036/1-A
Operator ID: BC Instrument ID: GCMS-FE
Sublist:
Raw Data: Smoothed

Method: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m
Limit Group: MSS - 522
Last Update: 19-Mar-2025 10:15:03 Calib Date: 21-Feb-2025 17:14:53
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D

Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1643

First Level Reviewer: D5UB Date: 19-Mar-2025 10:15:03

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	6.401	6.409	-0.008	24	89347	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.518	8.528	-0.010	100	79886	500.0	460.1	
11 1,4-Dioxane	88	8.601	8.601	0.000	77	630	3.50	2.71	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Report Date: 19-Mar-2025 10:15:04 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\CCVL.D

Injection Date: 18-Mar-2025 14:59:34 Instrument ID: GCMS-FE

Lims ID: CCVLIS 810-137036/1-A

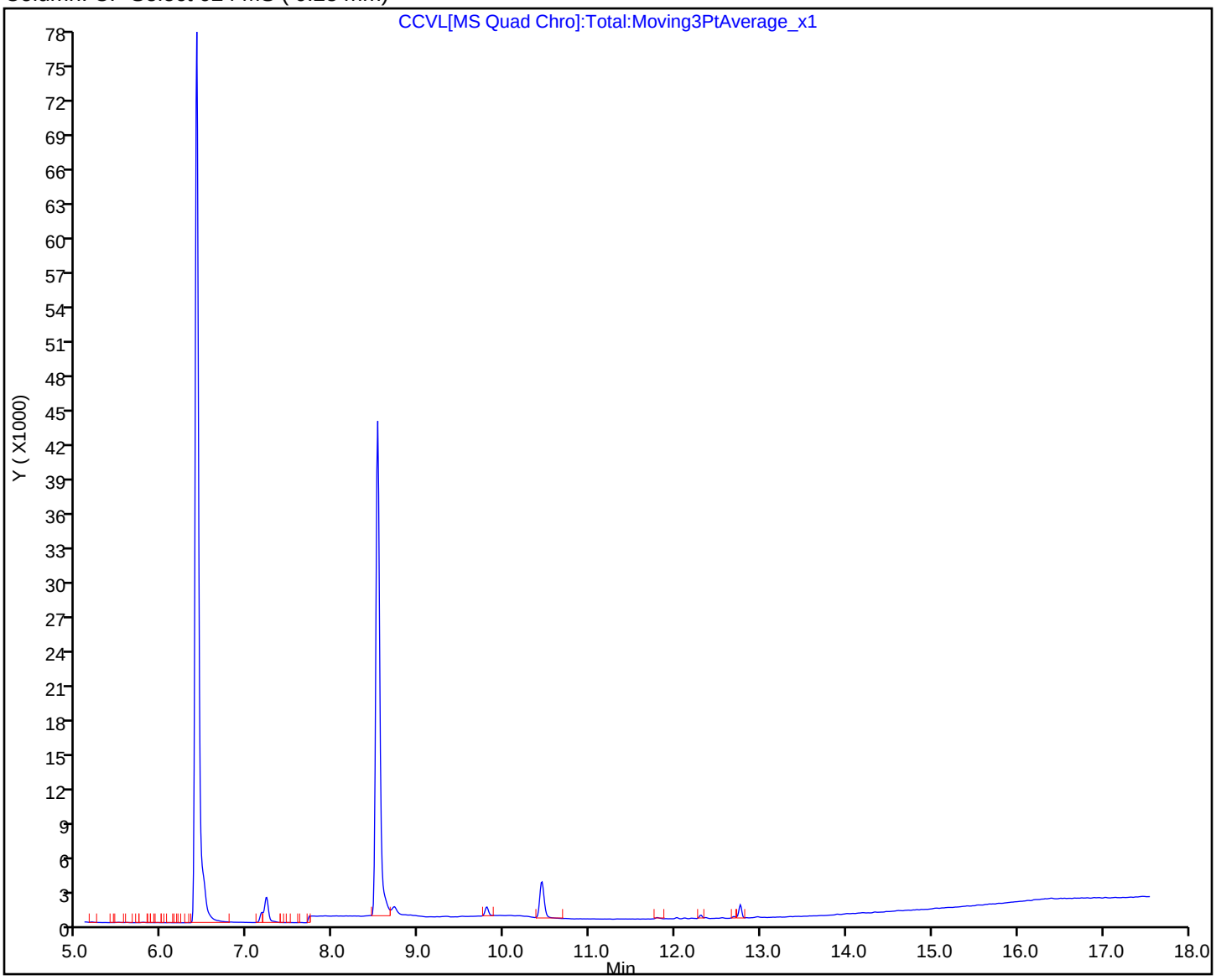
Client ID:

Operator ID: BC ALS Bottle#: 2 Worklist Smp#: 1

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE Limit Group: MSS - 522

Column: CP Select 624 MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

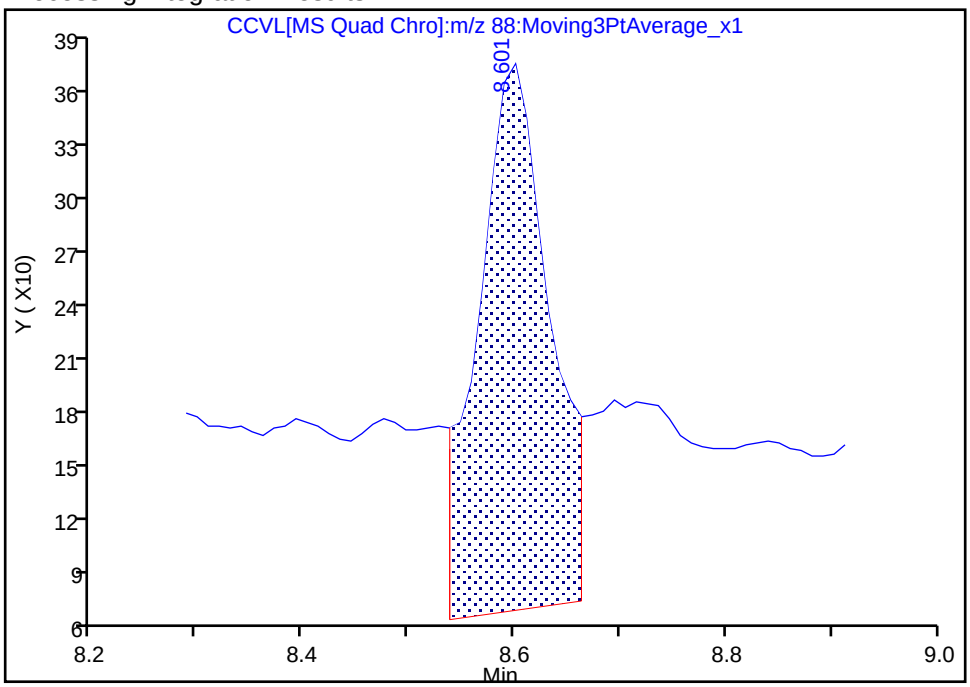
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\CCVL.D				
Injection Date:	18-Mar-2025 14:59:34	Instrument ID:	GCMS-FE		
Lims ID:	CCVLIS 810-137036/1-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	2	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

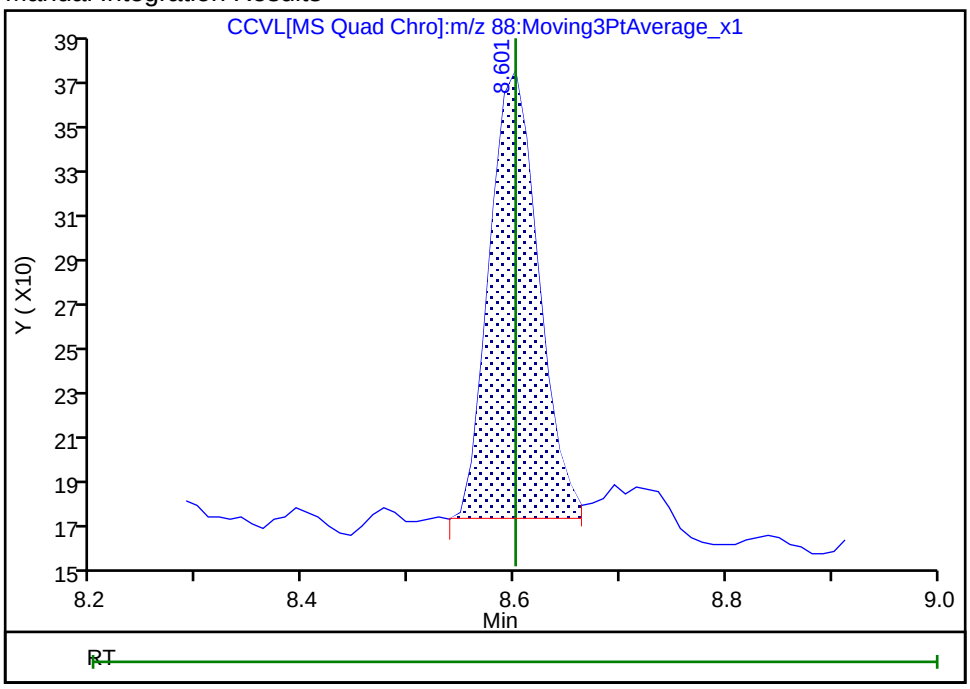
Processing Integration Results

RT: 8.60
Area: 1425
Amount: 7.015489
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 630
Amount: 2.712224
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:22:56 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

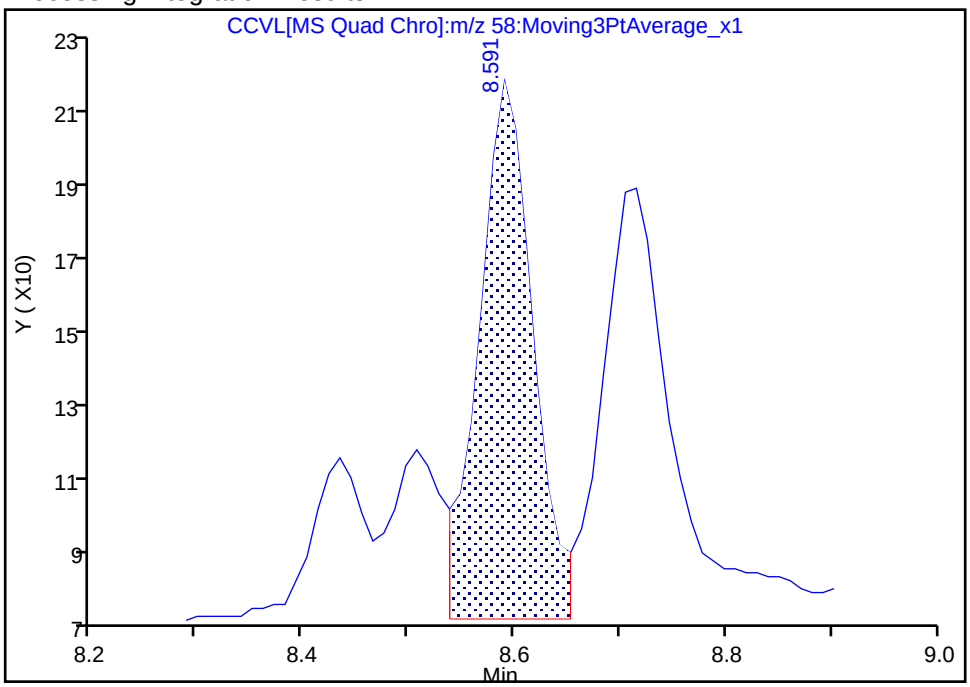
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\CCVL.D				
Injection Date:	18-Mar-2025 14:59:34	Instrument ID:	GCMS-FE		
Lims ID:	CCVLIS 810-137036/1-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	2	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 2

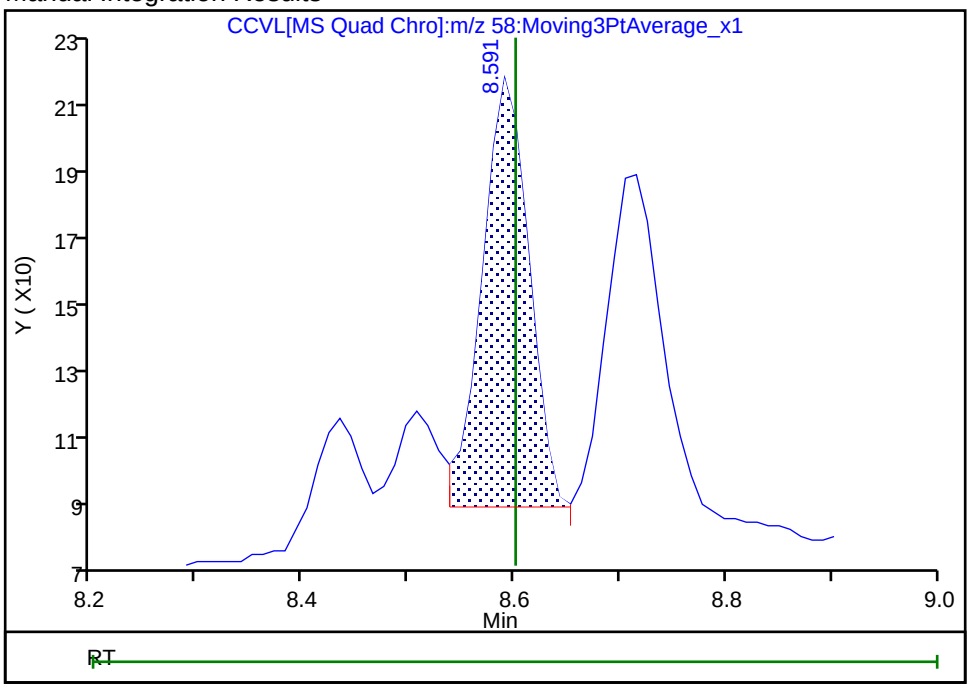
Processing Integration Results

RT: 8.59
Area: 493
Amount: 7.015489
Amount Units: ug/l



Manual Integration Results

RT: 8.59
Area: 374
Amount: 2.712224
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:23:18 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Lab Sample ID: CCVIS 810-137036/2-A Calibration Date: 03/18/2025 20:25

Instrument ID: GCMS-FE Calib Start Date: 02/21/2025 13:33

GC Column: CPSelect 624 MS ID: 0.25(mm) Calib End Date: 02/21/2025 17:14

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		0.9594		927	1000	93	70-130
1,4-Dioxane-d8 (Surr)	Ave	0.9716	0.9507		489	500	98	70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\CCVM.D
Lims ID: CCVIS 810-137036/2-A
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Mar-2025 20:25:00 ALS Bottle#: 16 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0035258-015
Misc. Info.: CCVIS 810-137036/2-A
Operator ID: BC Instrument ID: GCMS-FE
Sublist:
Raw Data: Smoothed

Method: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m
Limit Group: MSS - 522
Last Update: 19-Mar-2025 10:14:48 Calib Date: 21-Feb-2025 17:14:53
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D

Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1643

First Level Reviewer: D5UB Date: 19-Mar-2025 09:53:11

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	6.409	6.409	0.000	26	91764	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.528	8.528	0.000	100	87239	500.0	489.3	
11 1,4-Dioxane	88	8.601	8.601	0.000	81	176083	1000.0	927.3	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Report Date: 19-Mar-2025 10:14:49 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\CCVM.D

Injection Date: 18-Mar-2025 20:25:00 Instrument ID: GCMS-FE

Lims ID: CCVIS 810-137036/2-A

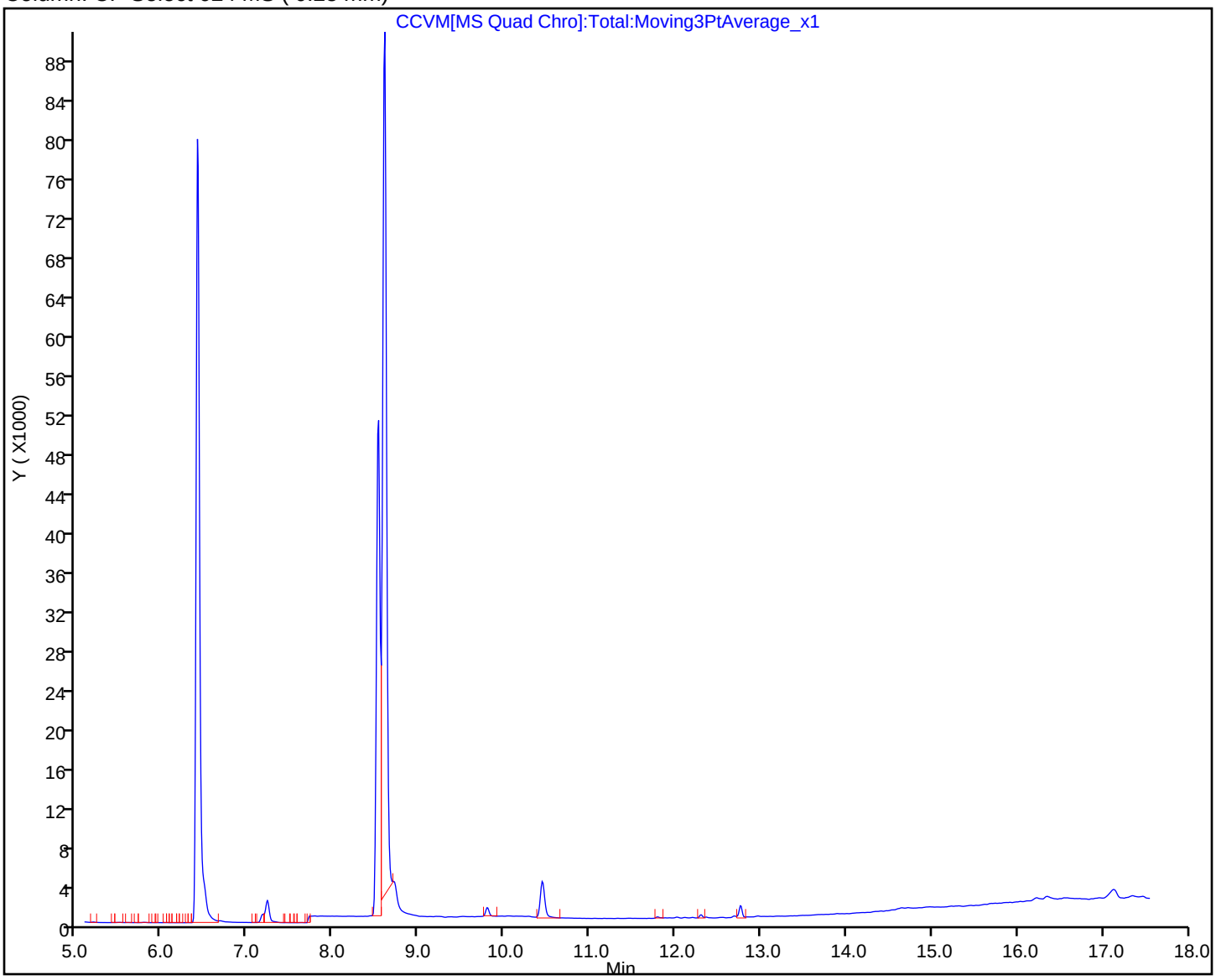
Client ID:

Operator ID: BC ALS Bottle#: 16 Worklist Smp#: 15

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE Limit Group: MSS - 522

Column: CP Select 624 MS (0.25 mm)



Eurofins Eaton Analytical South Bend

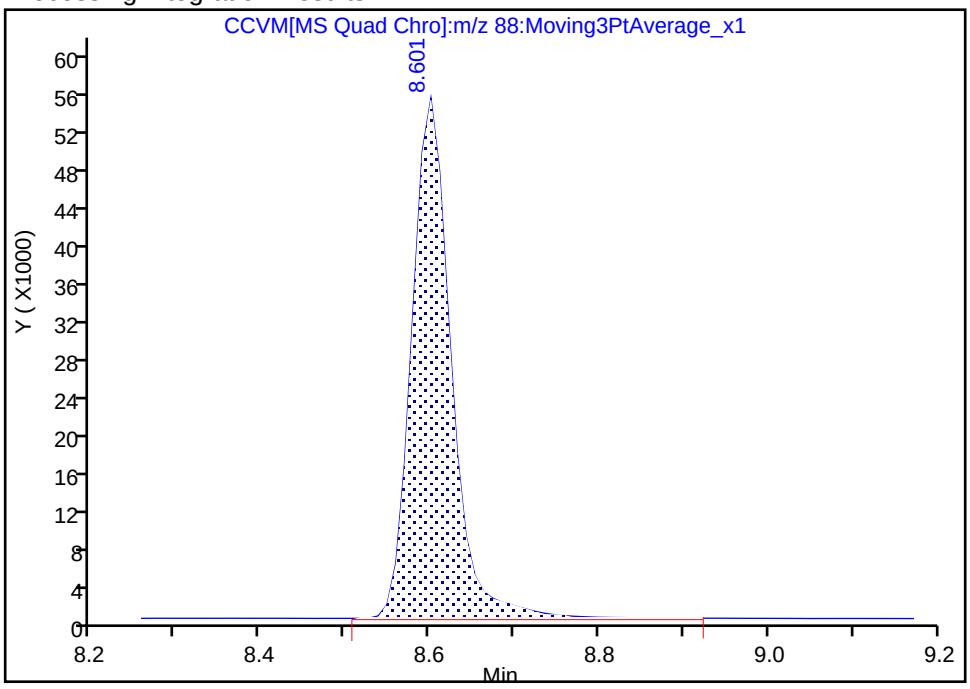
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\CCVM.D				
Injection Date:	18-Mar-2025 20:25:00	Instrument ID:	GCMS-FE		
Lims ID:	CCVIS 810-137036/2-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	16	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

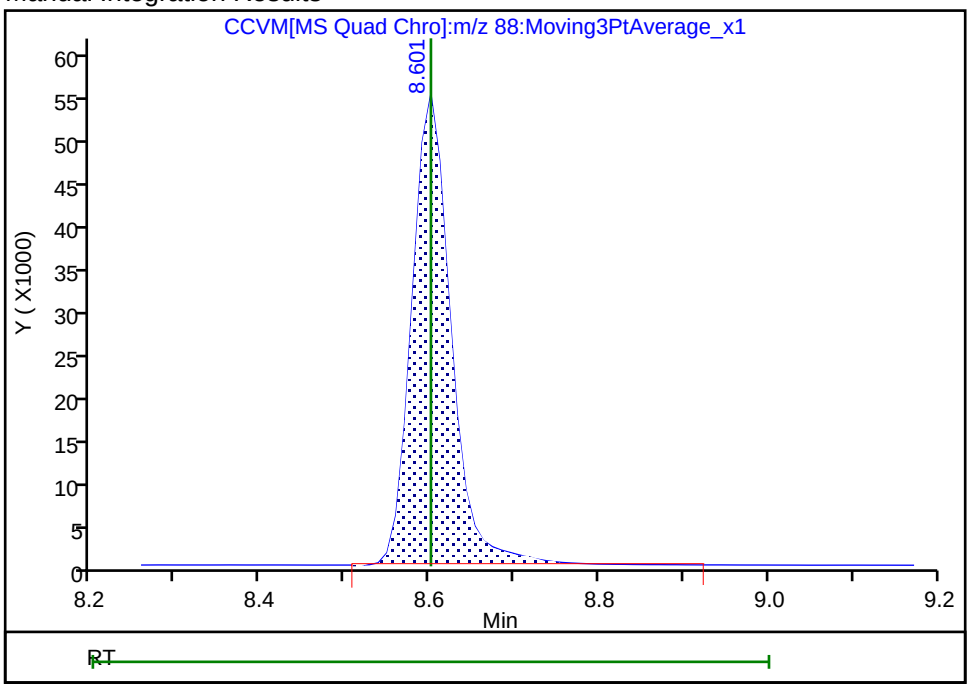
Processing Integration Results

RT: 8.60
Area: 181363
Amount: 955.1466
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 176083
Amount: 927.3192
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:52:56 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Lab Sample ID: CCV 810-137036/3-A Calibration Date: 03/19/2025 03:20

Instrument ID: GCMS-FE Calib Start Date: 02/21/2025 13:33

GC Column: CPSelect 624 MS ID: 0.25(mm) Calib End Date: 02/21/2025 17:14

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		0.9789		4730	5000	95	70-130
1,4-Dioxane-d8 (Surr)	Ave	0.9716	0.9137		470	500	94	70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\CCVH.D				
Lims ID:	CCV 810-137036/3-A				
Client ID:					
Sample Type:	CCV				
Inject. Date:	19-Mar-2025 03:20:32	ALS Bottle#:	29	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-028				
Misc. Info.:	CCV 810-137036/3-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Sublist:					
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:15:03	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				

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	6.401	6.409	-0.008	24	93919	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.528	8.528	0.000	100	85812	500.0	470.2	
11 1,4-Dioxane	88	8.590	8.601	-0.011	81	919403	5000.0	4733.7	

Report Date: 19-Mar-2025 10:15:03 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\CCVH.D

Injection Date: 19-Mar-2025 03:20:32 Instrument ID: GCMS-FE

Lims ID: CCV 810-137036/3-A

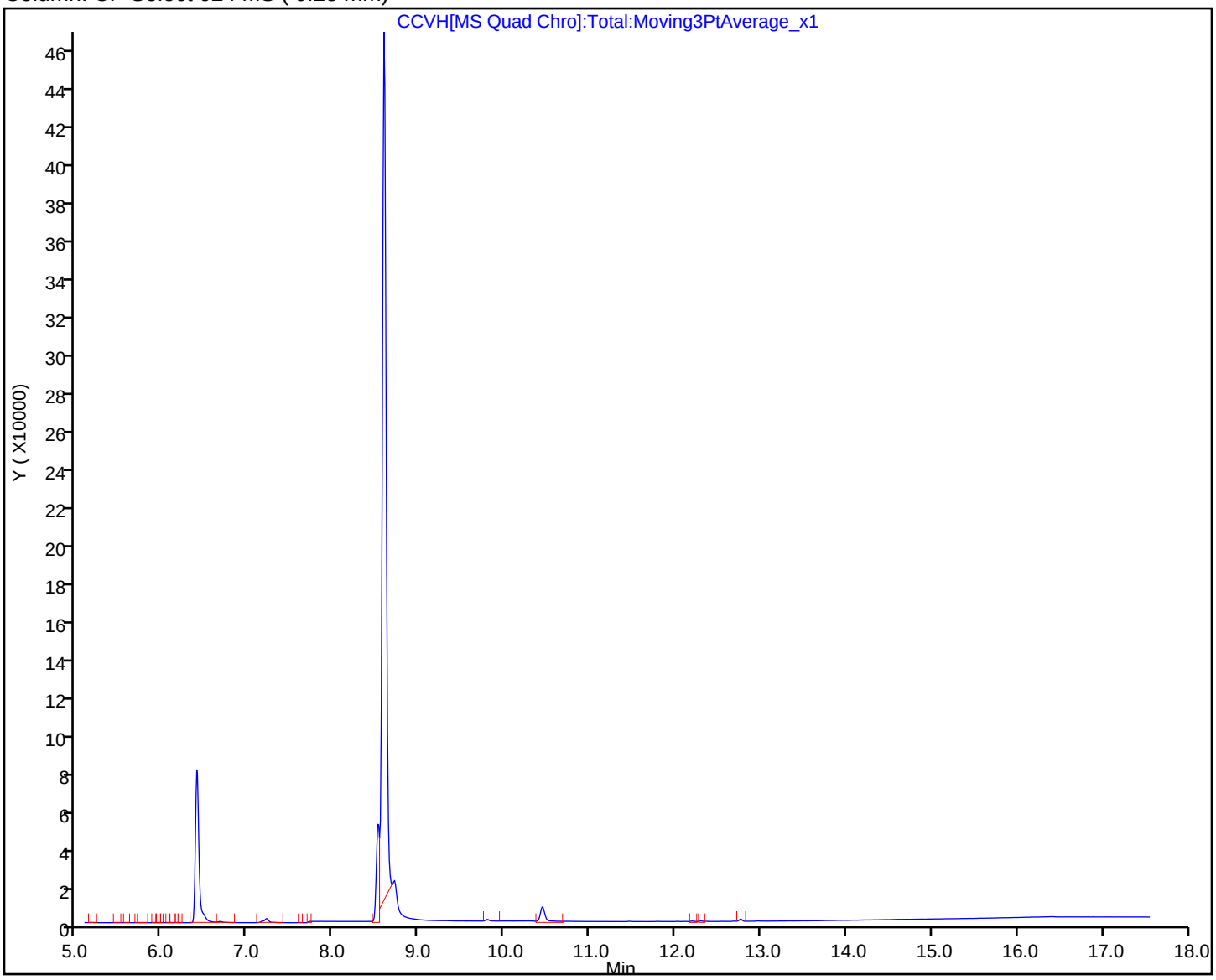
Client ID:

Operator ID: BC ALS Bottle#: 29 Worklist Smp#: 28

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE 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-FE\20250221-34416.b\BFB 1.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	21-Feb-2025 13:06:52	ALS Bottle#:	2	Worklist Smp#:	1
Injection Vol:	2.0 mL	Dil. Factor:	1.0000		
Sample Info:	810-0034416-001				
Misc. Info.:	BFB 1				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	24-Feb-2025 09:25:27	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1620				
First Level Reviewer: JH8B		Date:	22-Feb-2025 09:05:06		

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

10 BFB

Reagents:

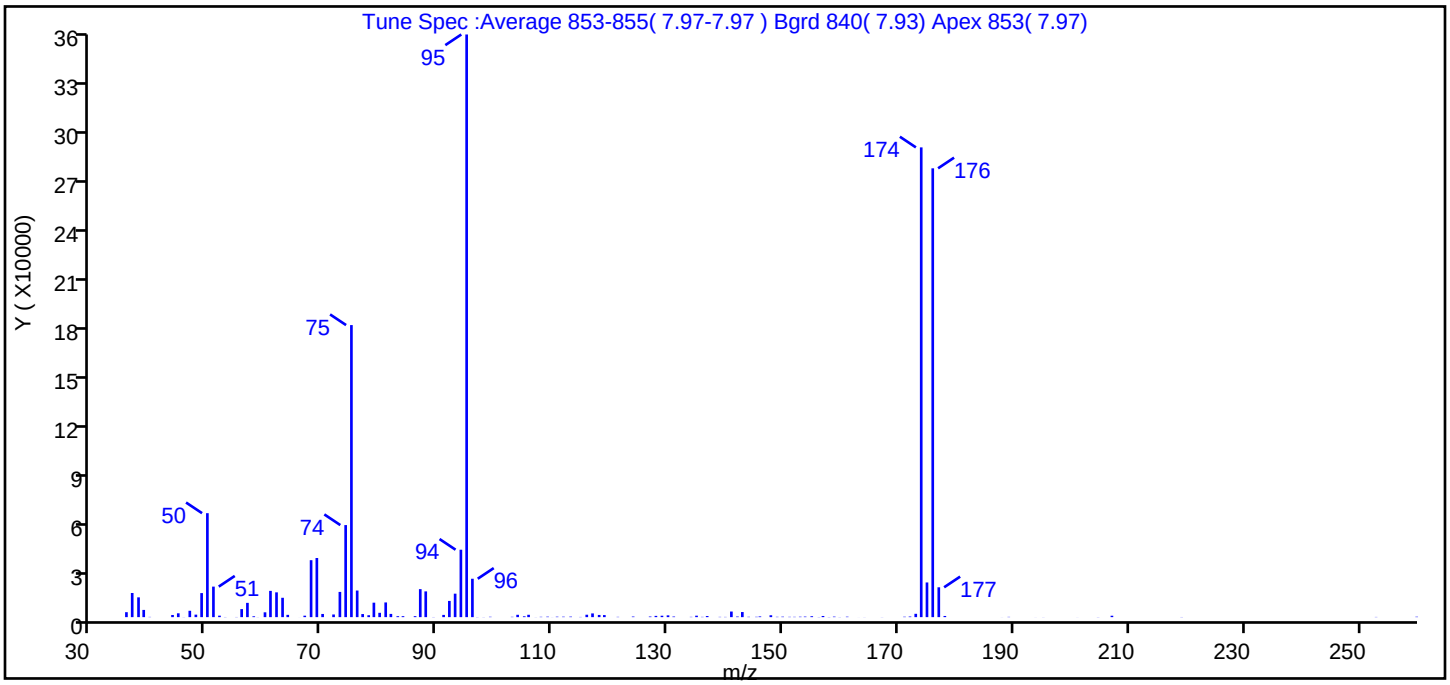
O-522BFBSUB_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\BFB 1.D
Injection Date: 21-Feb-2025 13:06:52 Instrument ID: GCMS-FE
Lims ID: BFB
Client ID:
Operator ID: BC ALS Bottle#: 2 Worklist Smp#: 1
Injection Vol: 2.0 mL Dil. Factor: 1.0000
Method: 522_GCMS-FE 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	17.8
75	30-80% of mass 95	50.1
96	5-9% of mass 95	6.6
173	<2% of mass 174	0.6 (0.7)
174	>50% of mass 95	80.6
175	5-9% of mass 174	6.0 (7.4)
176	>95% but <101% of mass 174	77.0 (95.5)
177	5-9% of mass 176	5.1 (6.7)

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\BFB 1.D\522_GCMS-FE.rslt\spectra.d
Injection Date: 21-Feb-2025 13:06:52
Spectrum: Tune Spec :Average 853-855(7.97-7.97) Bgrd 840(7.93) Apex 853(7.97)
Base Peak: 95.05
Minimum % Base Peak: 0
Number of Points: 126

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3050	74.00	56568	111.00	278	153.00	267
37.00	14837	75.00	179456	112.00	279	154.00	338
38.00	12163	76.00	16355	113.00	324	155.00	553
39.00	4442	77.00	1901	115.00	123	156.00	90
40.00	147	78.00	1174	116.00	1485	157.00	708
44.00	1330	79.00	8889	117.00	2288	158.00	91
45.00	2361	80.00	2663	118.00	1349	159.00	321
46.00	59	81.00	9033	119.00	1268	160.00	71
47.00	3911	82.00	1986	121.00	174	161.00	281
48.00	1535	83.00	578	124.00	365	163.00	19
49.00	14781	84.00	591	127.00	384	164.00	41
50.00	63880	86.00	598	128.00	776	167.00	52
51.00	18760	87.00	17208	129.00	872	171.00	255
52.00	919	88.00	15825	130.00	1100	172.00	374
53.00	94	89.00	92	131.00	372	173.00	2052
55.00	102	91.00	1376	134.00	177	174.00	288640
56.00	4944	92.00	9966	135.00	894	175.00	21312
57.00	8771	93.00	14424	136.00	169	176.00	275776
58.00	517	94.00	41432	137.00	682	177.00	18344
59.00	53	95.00	358016	139.00	166	178.00	722
60.00	2969	96.00	23592	140.00	142	188.00	26
61.00	16136	97.00	81	141.00	3450	189.00	164
62.00	15241	98.00	61	142.00	368	194.00	28
63.00	11899	99.00	225	143.00	3133	195.00	45
64.00	1408	103.00	201	144.00	211	201.00	26
66.00	20	104.00	1448	145.00	207	205.00	74
67.00	896	105.00	503	146.00	441	207.00	865
68.00	34992	106.00	1459	148.00	1159	219.00	96
69.00	36336	107.00	44	149.00	200	253.00	126
70.00	1958	108.00	206	150.00	290	260.00	260
72.00	1641	109.00	294	151.00	194		
73.00	15501	110.00	33	152.00	190		

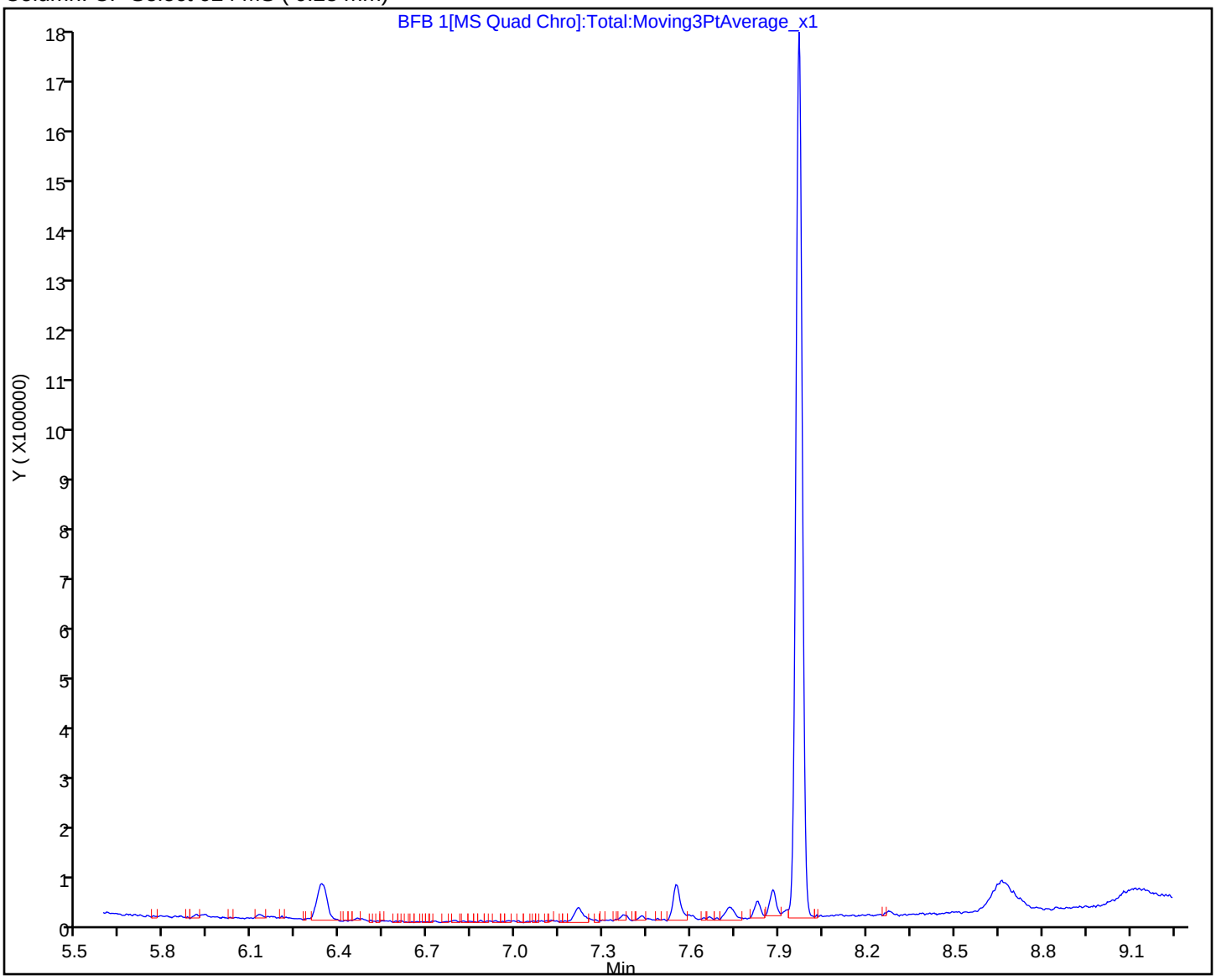
Report Date: 24-Feb-2025 09:25:27 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\BFB 1.D

Injection Date:	21-Feb-2025 13:06:52	Instrument ID:	GCMS-FE		
Lims ID:	BFB				
Client ID:					
Operator ID:	BC	ALS Bottle#:	2	Worklist Smp#:	1
Injection Vol:	2.0 mL	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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.: 810-141400-1

SDG No.:

Client Sample ID:
Lab Sample ID: MBL 810-136989/1-A

Matrix: Drinking Water
Lab File ID: MBL.D

Analysis Method: 522
Date Collected:

Extract. Method: 522
Date Extracted: 03/18/2025 08:19

Sample wt/vol: 100(mL)
Date Analyzed: 03/18/2025 15:42

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.: 137062
Units: ug/L

Preparation Batch No.: 136989
Instrument ID: GCMS-FE

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	88		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\MBL.D				
Lims ID:	MBL 810-136989/1-A				
Client ID:					
Sample Type:	MBL				
Inject. Date:	18-Mar-2025 15:42:40	ALS Bottle#:	3	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-002				
Misc. Info.:	MBL 810-136989/1-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 09:24:35		

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	6.401	6.409	-0.008	24	87719	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.518	8.528	-0.010	99	74618	500.0	437.8	
11 1,4-Dioxane	88	8.601	8.601	0.000	61	253		0.6970	M
10 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 19-Mar-2025 10:14:35 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\MBL.D

Injection Date: 18-Mar-2025 15:42:40 Instrument ID: GCMS-FE

Lims ID: MBL 810-136989/1-A

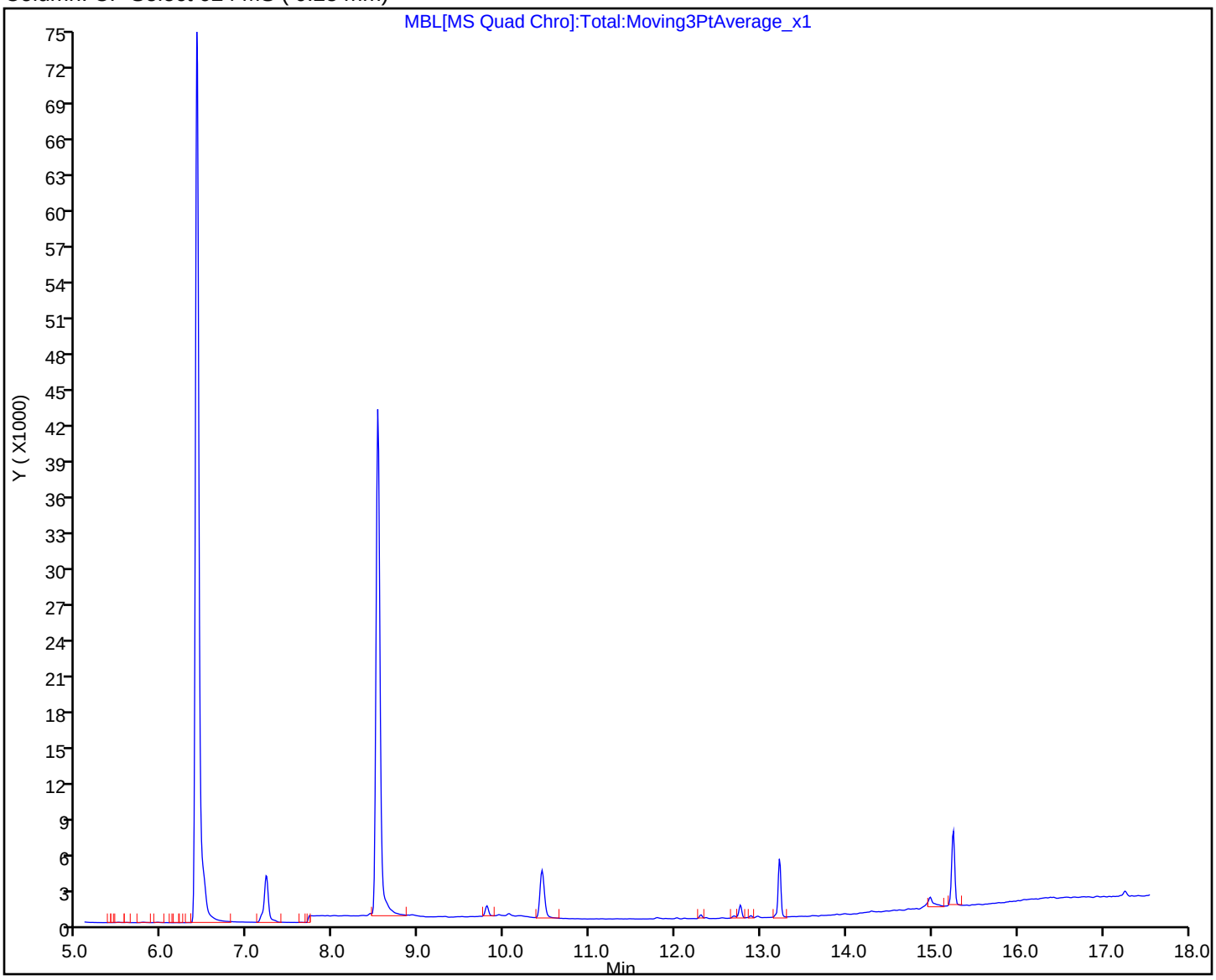
Client ID:

Operator ID: BC ALS Bottle#: 3 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE 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-FE\20250318-35258.b\MBL.D				
Lims ID:	MBL 810-136989/1-A				
Client ID:					
Sample Type:	MBL				
Inject. Date:	18-Mar-2025 15:42:40	ALS Bottle#:	3	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-002				
Misc. Info.:	MBL 810-136989/1-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 09:24:35		

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1,4-Dioxane-d8 (Surr)	500.0	437.8	87.55

Eurofins Eaton Analytical South Bend

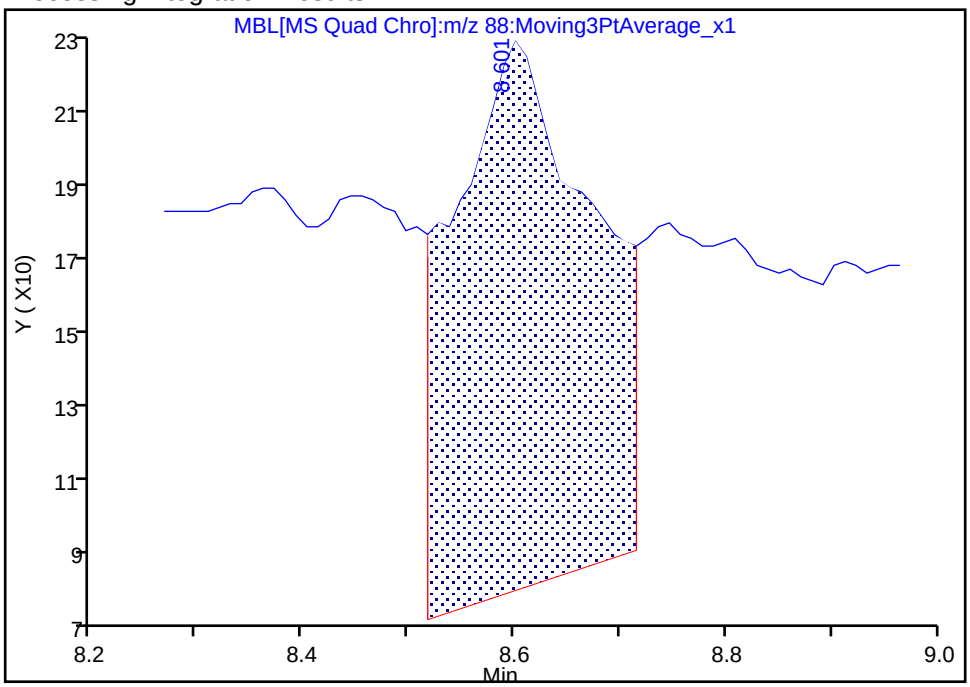
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\MBL.D				
Injection Date:	18-Mar-2025 15:42:40	Instrument ID:	GCMS-FE		
Lims ID:	MBL 810-136989/1-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	3	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 1

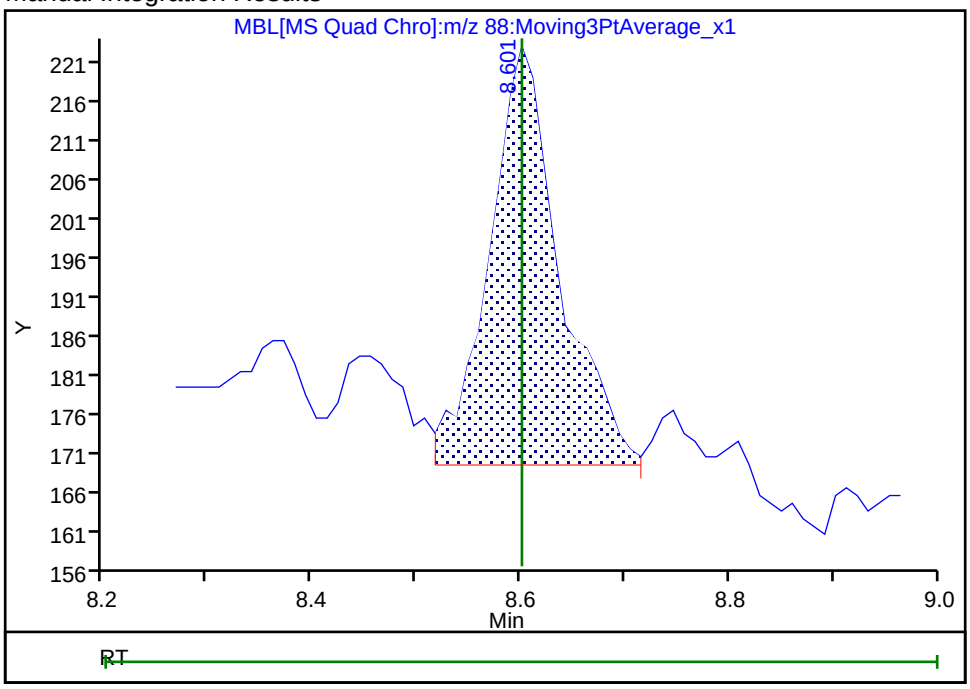
Processing Integration Results

RT: 8.60
Area: 1338
Amount: 6.678980
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 253
Amount: 0.696973
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:23:38 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

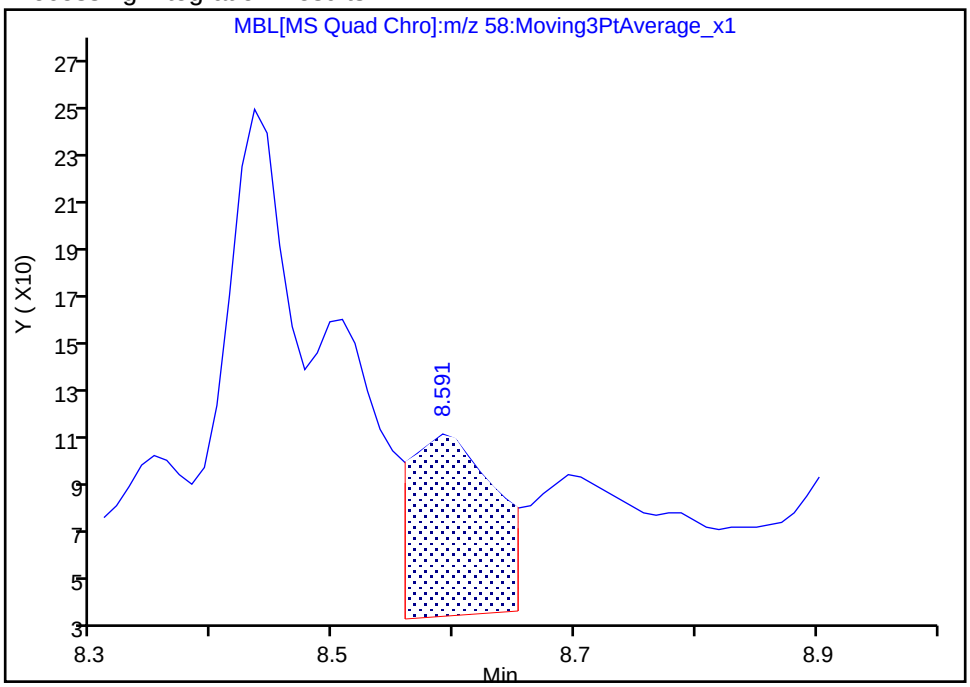
Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\MBL.D
Injection Date: 18-Mar-2025 15:42:40 Instrument ID: GCMS-FE
Lims ID: MBL 810-136989/1-A
Client ID:
Operator ID: BC ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 522_GCMS-FE Limit Group: MSS - 522
Column: CP Select 624 MS (0.25 mm) Detector MS Quad

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

Signal: 2

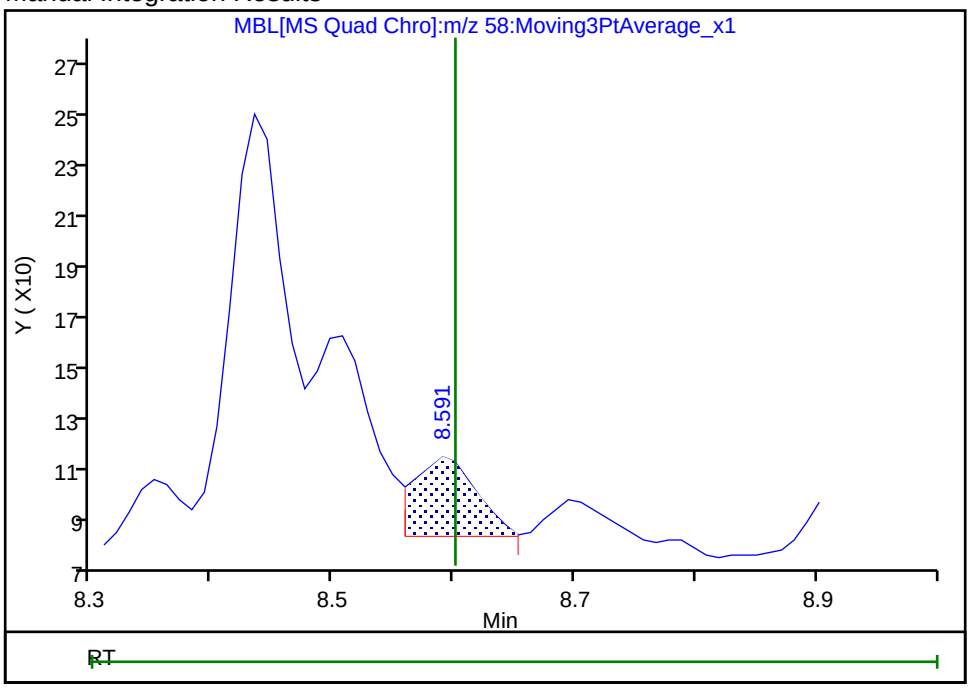
Processing Integration Results

RT: 8.59
Area: 392
Amount: 6.678980
Amount Units: ug/l



Manual Integration Results

RT: 8.59
Area: 118
Amount: 0.696973
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:24:26 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Eaton Analytical South Bend
Job No.: 810-141400-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 810-136989/3-A

Matrix: Drinking Water
Lab File ID: LCS.D

Analysis Method: 522
Date Collected:

Extract. Method: 522
Date Extracted: 03/18/2025 08:19

Sample wt/vol: 100(mL)
Date Analyzed: 03/18/2025 16:25

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.: 137062
Units: ug/L

Preparation Batch No.: 136989
Instrument ID: GCMS-FE

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	8.32		0.070	0.062

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	86		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\LCS.D				
Lims ID:	LCS 810-136989/3-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	18-Mar-2025 16:25:40	ALS Bottle#:	5	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-004				
Misc. Info.:	LCS 810-136989/3-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 09:26:01		

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	6.401	6.409	-0.008	24	97093	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.517	8.528	-0.011	99	81320	500.0	431.0	
11 1,4-Dioxane	88	8.601	8.601	0.000	81	83644	500.0	415.9	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Report Date: 19-Mar-2025 10:14:37 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\LCS.D

Injection Date: 18-Mar-2025 16:25:40 Instrument ID: GCMS-FE

Lims ID: LCS 810-136989/3-A

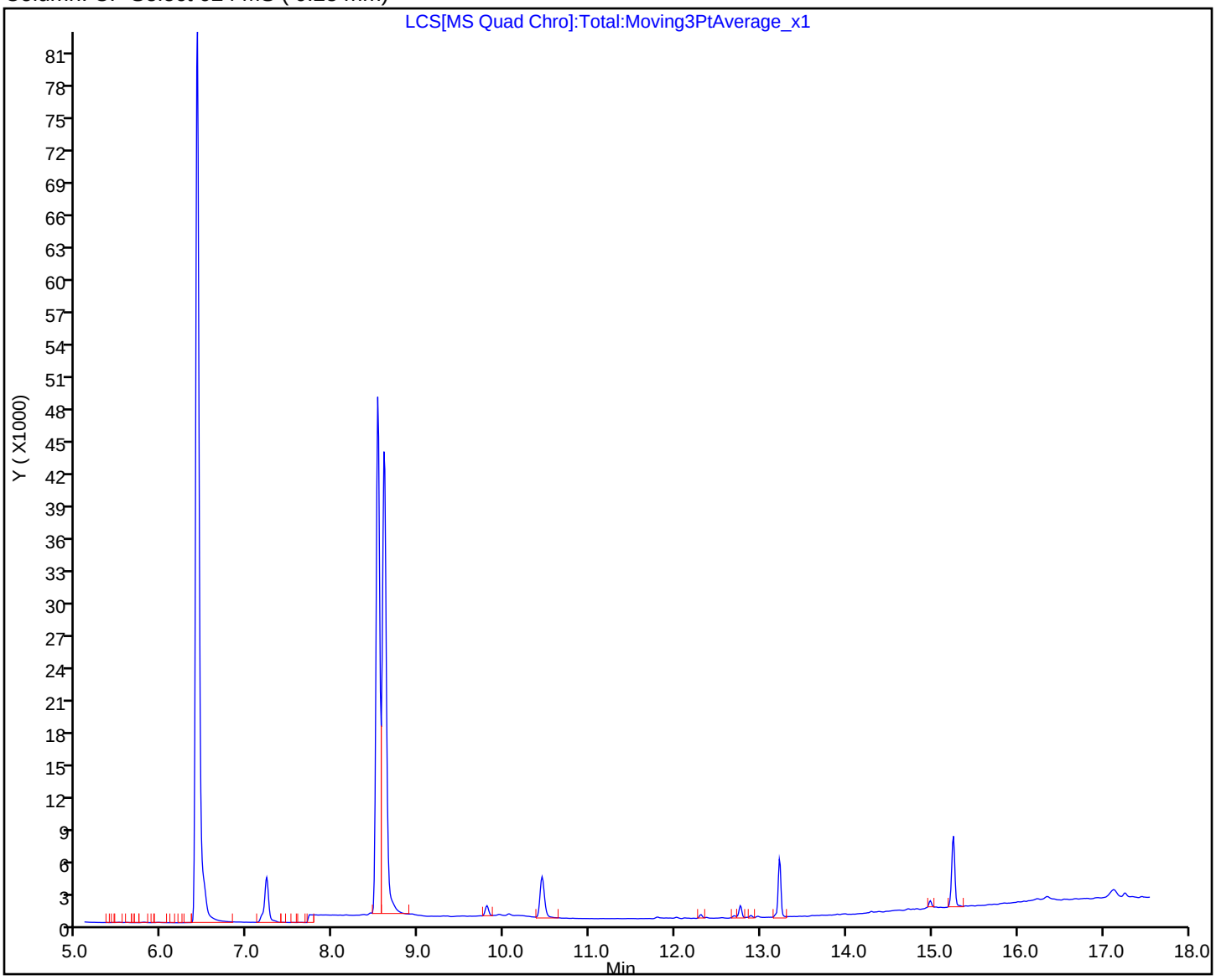
Client ID:

Operator ID: BC ALS Bottle#: 5 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE 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-FE\20250318-35258.b\LCS.D				
Lims ID:	LCS 810-136989/3-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	18-Mar-2025 16:25:40	ALS Bottle#:	5	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-004				
Misc. Info.:	LCS 810-136989/3-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:13:31	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 09:26:01		

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1,4-Dioxane-d8 (Surr)	500.0	431.0	86.20

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

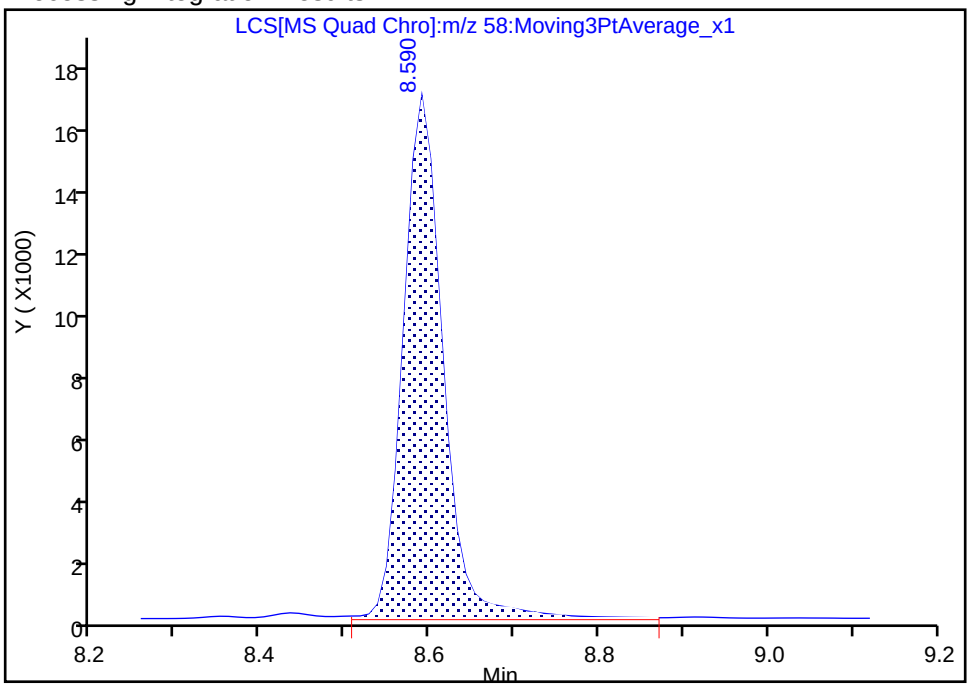
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\LCS.D				
Injection Date:	18-Mar-2025 16:25:40	Instrument ID:	GCMS-FE		
Lims ID:	LCS 810-136989/3-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	5	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 2

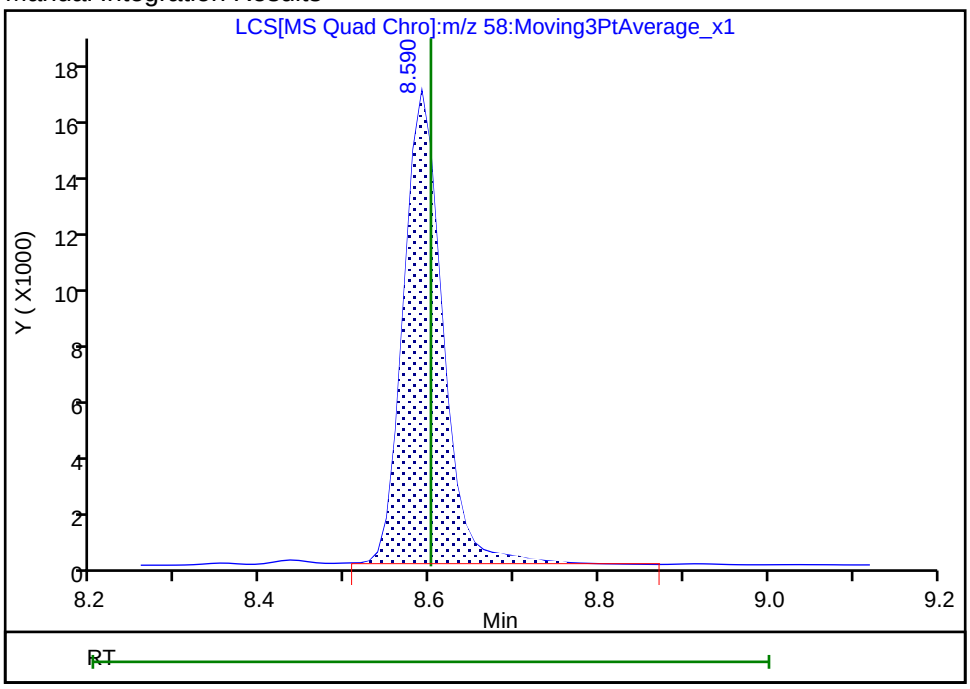
Processing Integration Results

RT: 8.59
Area: 55803
Amount: 417.0498
Amount Units: ug/l



Manual Integration Results

RT: 8.59
Area: 54063
Amount: 415.9390
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:25:41 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

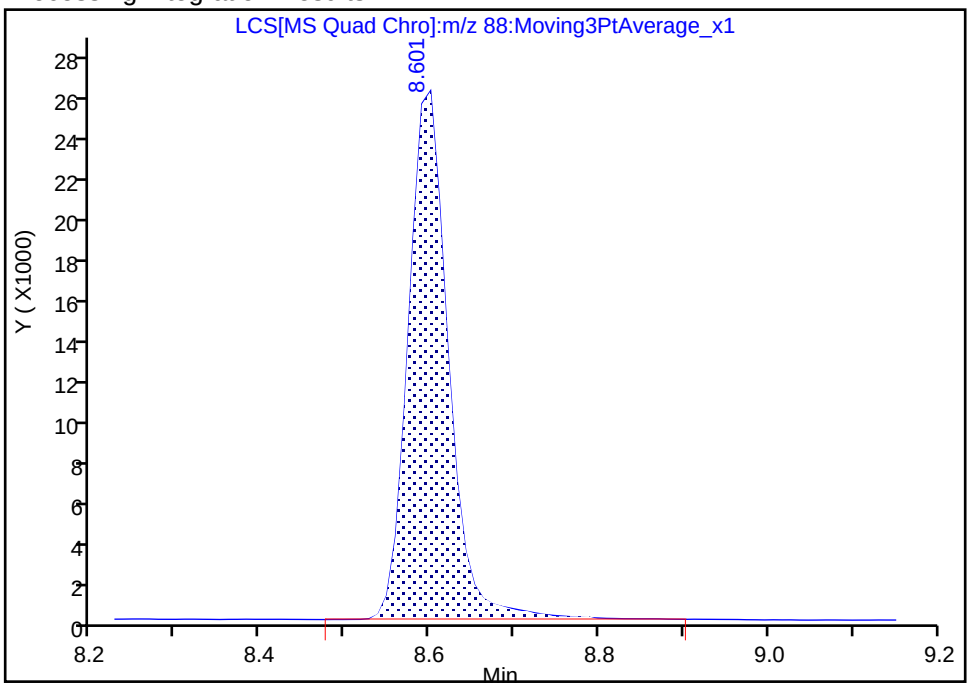
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\LCS.D				
Injection Date:	18-Mar-2025 16:25:40	Instrument ID:	GCMS-FE		
Lims ID:	LCS 810-136989/3-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	5	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 1

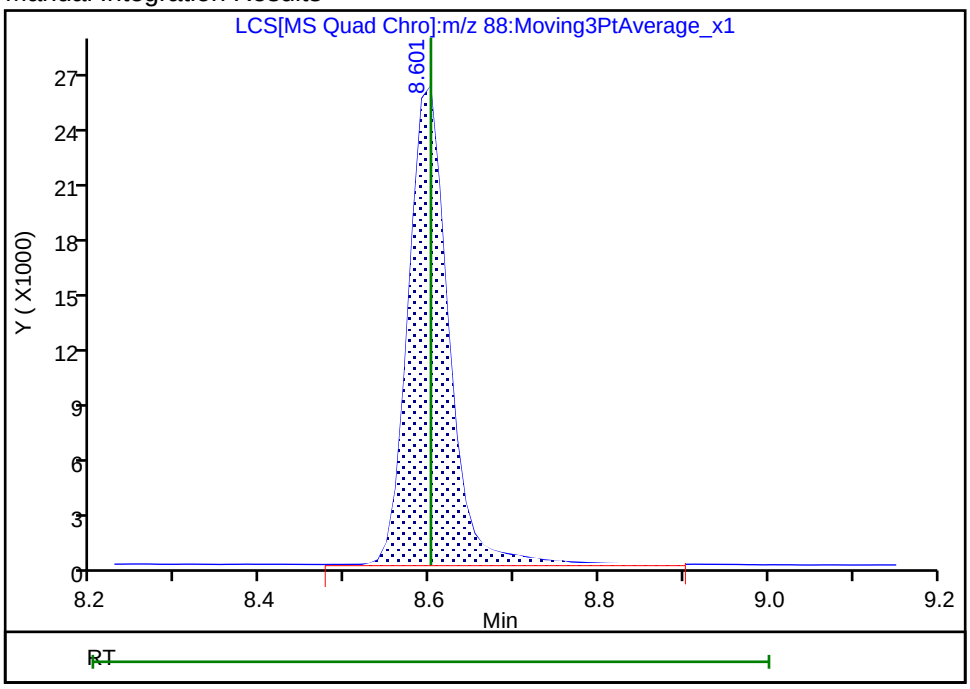
Processing Integration Results

RT: 8.60
Area: 83867
Amount: 417.0498
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 83644
Amount: 415.9390
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:25:54 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Eaton Analytical South Bend
Job No.: 810-141400-1

SDG No.:

Client Sample ID:
Lab Sample ID: LLCS 810-136989/2-A

Matrix: Drinking Water
Lab File ID: LLCS.D

Analysis Method: 522
Date Collected:

Extract. Method: 522
Date Extracted: 03/18/2025 08:19

Sample wt/vol: 100(mL)
Date Analyzed: 03/18/2025 16:04

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.: 137062
Units: ug/L

Preparation Batch No.: 136989
Instrument ID: GCMS-FE

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	89		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\LLCS.D				
Lims ID:	LLCS 810-136989/2-A				
Client ID:					
Sample Type:	LLCS				
Inject. Date:	18-Mar-2025 16:04:08	ALS Bottle#:	4	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-003				
Misc. Info.:	LLCS 810-136989/2-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:15:03	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 09:25:18		

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	6.401	6.409	-0.008	24	94044	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.518	8.528	-0.010	99	80931	500.0	442.9	
11 1,4-Dioxane	88	8.601	8.601	0.000	82	726	3.50	3.04	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Report Date: 19-Mar-2025 10:17:02 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\LLCS.D

Injection Date: 18-Mar-2025 16:04:08 Instrument ID: GCMS-FE

Lims ID: LLCS 810-136989/2-A

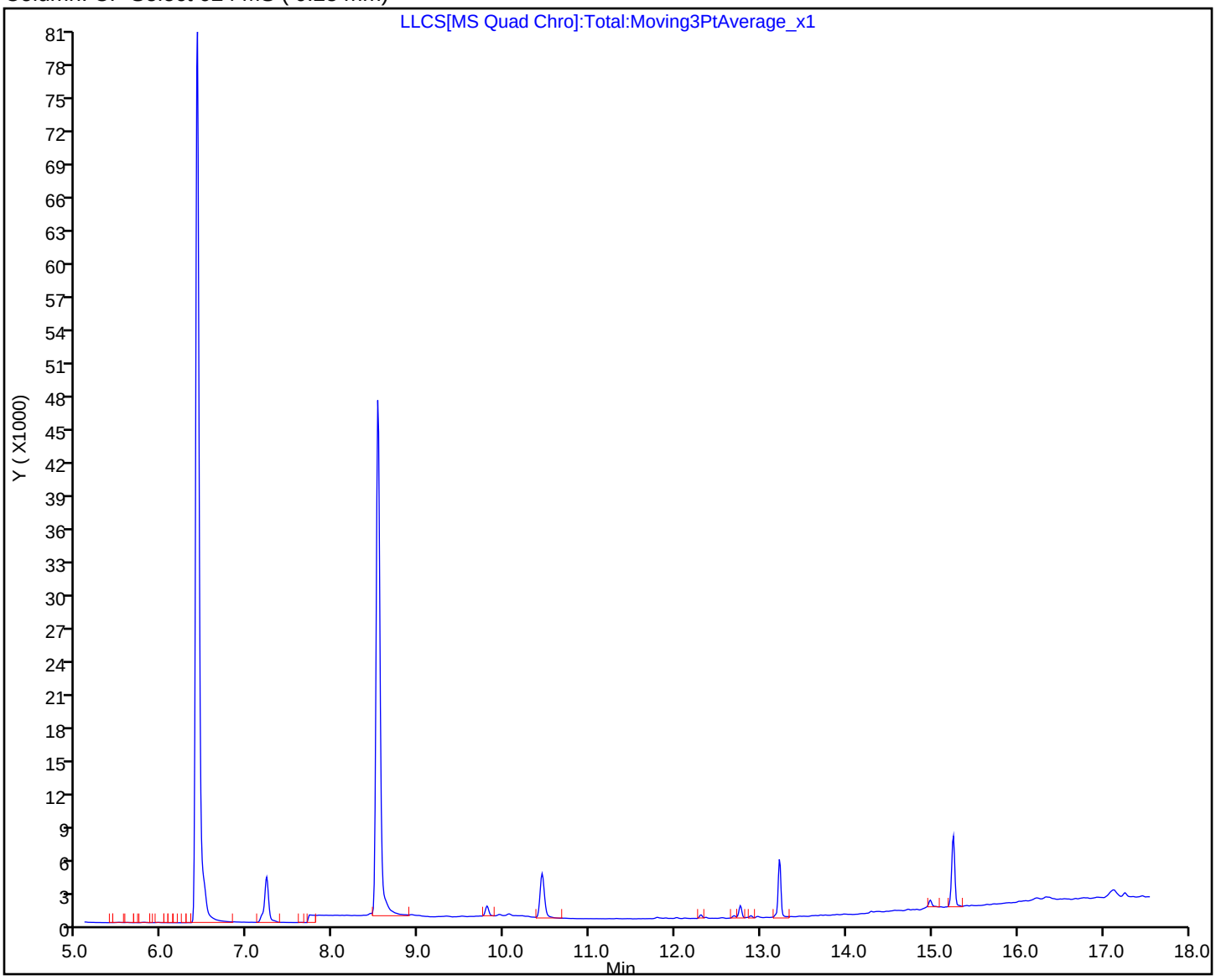
Client ID:

Operator ID: BC ALS Bottle#: 4 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE 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-FE\20250318-35258.b\LLCS.D				
Lims ID:	LLCS 810-136989/2-A				
Client ID:					
Sample Type:	LLCS				
Inject. Date:	18-Mar-2025 16:04:08	ALS Bottle#:	4	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-003				
Misc. Info.:	LLCS 810-136989/2-A				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:15:03	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 09:25:18		

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1,4-Dioxane-d8 (Surr)	500.0	442.9	88.57

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

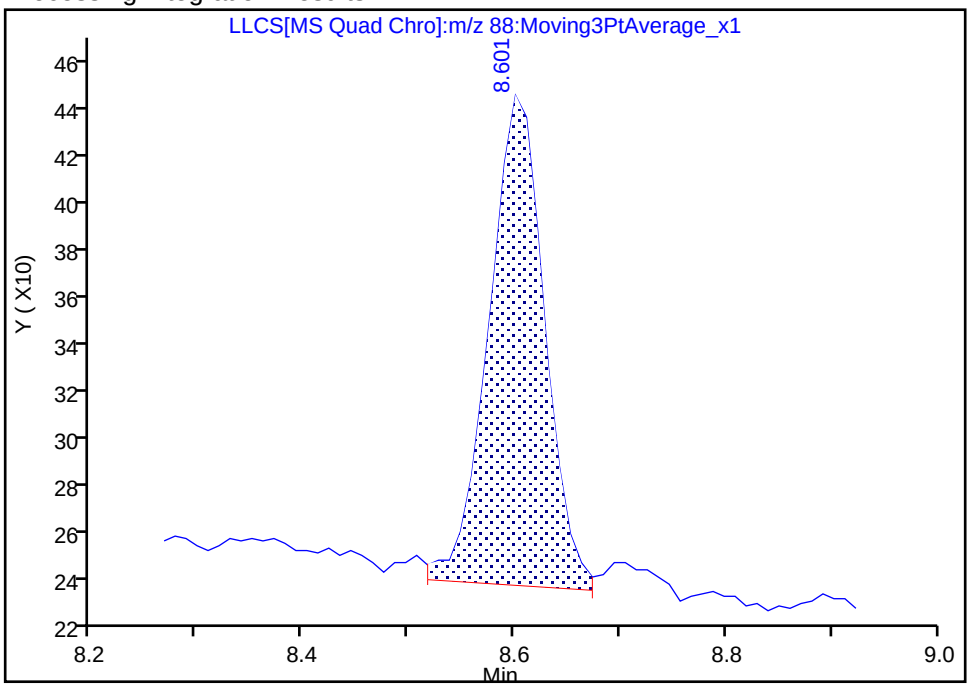
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\LLCS.D				
Injection Date:	18-Mar-2025 16:04:08	Instrument ID:	GCMS-FE		
Lims ID:	LLCS 810-136989/2-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	4	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 1

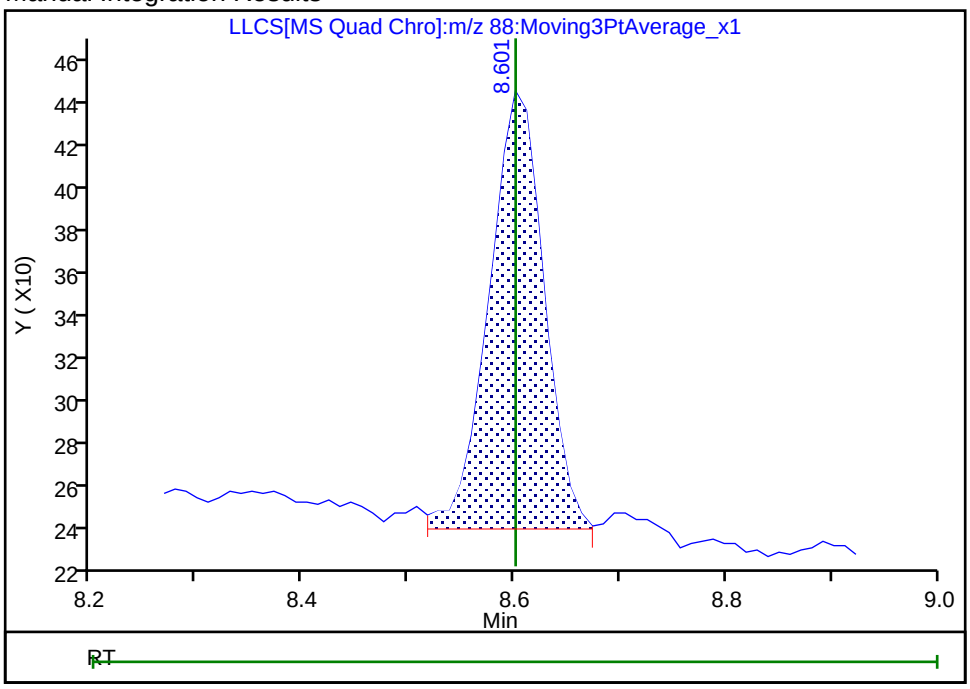
Processing Integration Results

RT: 8.60
Area: 751
Amount: 3.164156
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 726
Amount: 3.035592
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:24:59 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

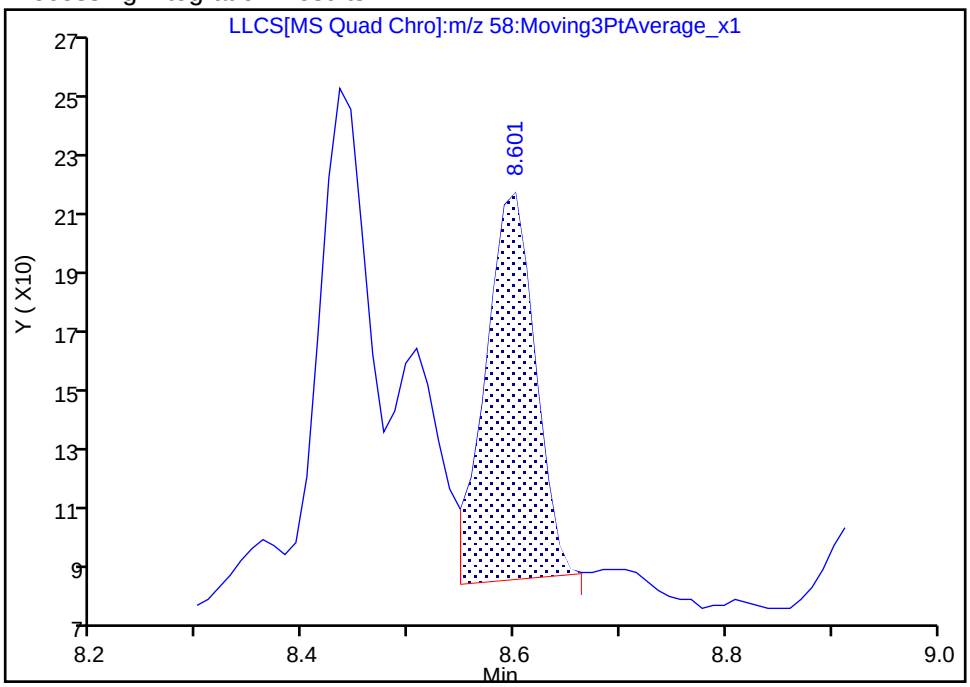
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\LLCS.D				
Injection Date:	18-Mar-2025 16:04:08	Instrument ID:	GCMS-FE		
Lims ID:	LLCS 810-136989/2-A				
Client ID:					
Operator ID:	BC	ALS Bottle#:	4	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 2

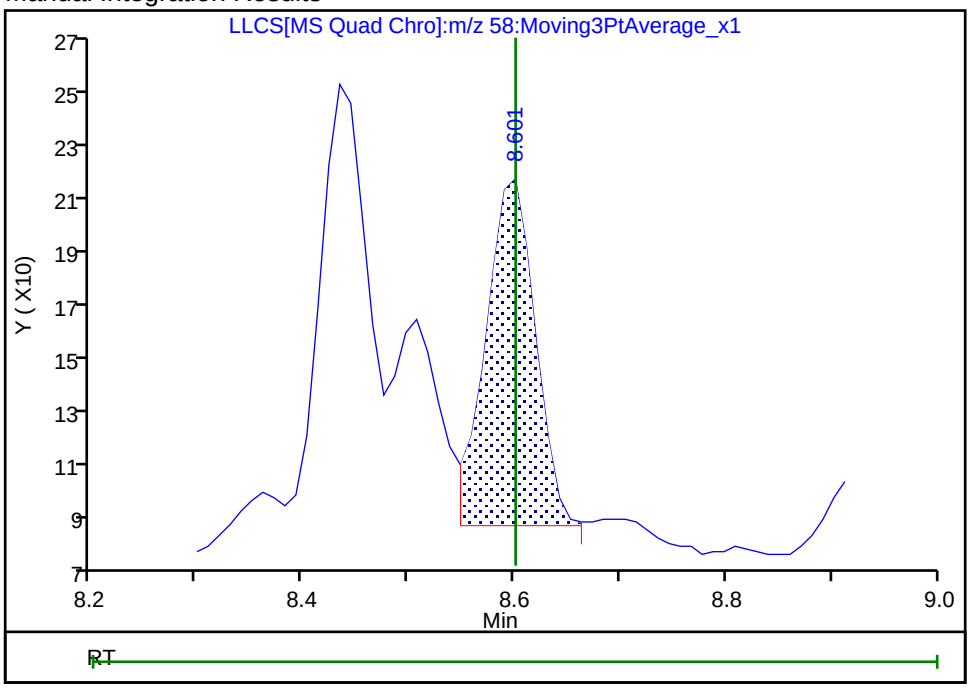
Processing Integration Results

RT: 8.60
Area: 427
Amount: 3.164156
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 419
Amount: 3.035592
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 09:25:10 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Eaton Analytical South Bend
Job No.: 810-141400-1

SDG No.:

Client Sample ID: BPOW6-9-20250312MS MS
Lab Sample ID: 810-141400-3 MS

Matrix: Drinking Water
Lab File ID: 810-141400-A-3-A MS.D

Analysis Method: 522
Date Collected: 03/12/2025 09:30

Extract. Method: 522
Date Extracted: 03/18/2025 08:19

Sample wt/vol: 100(mL)
Date Analyzed: 03/18/2025 22:36

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.: 137062
Units: ug/L

Preparation Batch No.: 136989
Instrument ID: GCMS-FE

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.880		0.070	0.062

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	89		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-3-A MS.D
Lims ID: 810-141400-A-3-A MS
Client ID: BPOW6-9-20250312MS
Sample Type: MS
Inject. Date: 18-Mar-2025 22:36:49 ALS Bottle#: 22 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 810-0035258-021
Misc. Info.: 810-141400-A-3-A MS
Operator ID: BC Instrument ID: GCMS-FE
Raw Data: Smoothed

Method: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m
Limit Group: MSS - 522
Last Update: 19-Mar-2025 10:14:48 Calib Date: 21-Feb-2025 17:14:53
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D

Column 1 : CP Select 624 MS (0.25 mm) Det: MS Quad
Process Host: CTX1643

First Level Reviewer: D5UB Date: 19-Mar-2025 10:02:56

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	6.417	6.409	0.008	24	102622	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.528	8.528	0.000	99	88461	500.0	443.6	
11 1,4-Dioxane	88	8.611	8.601	0.010	81	9480	50.0	44.0	M

QC Flag Legend

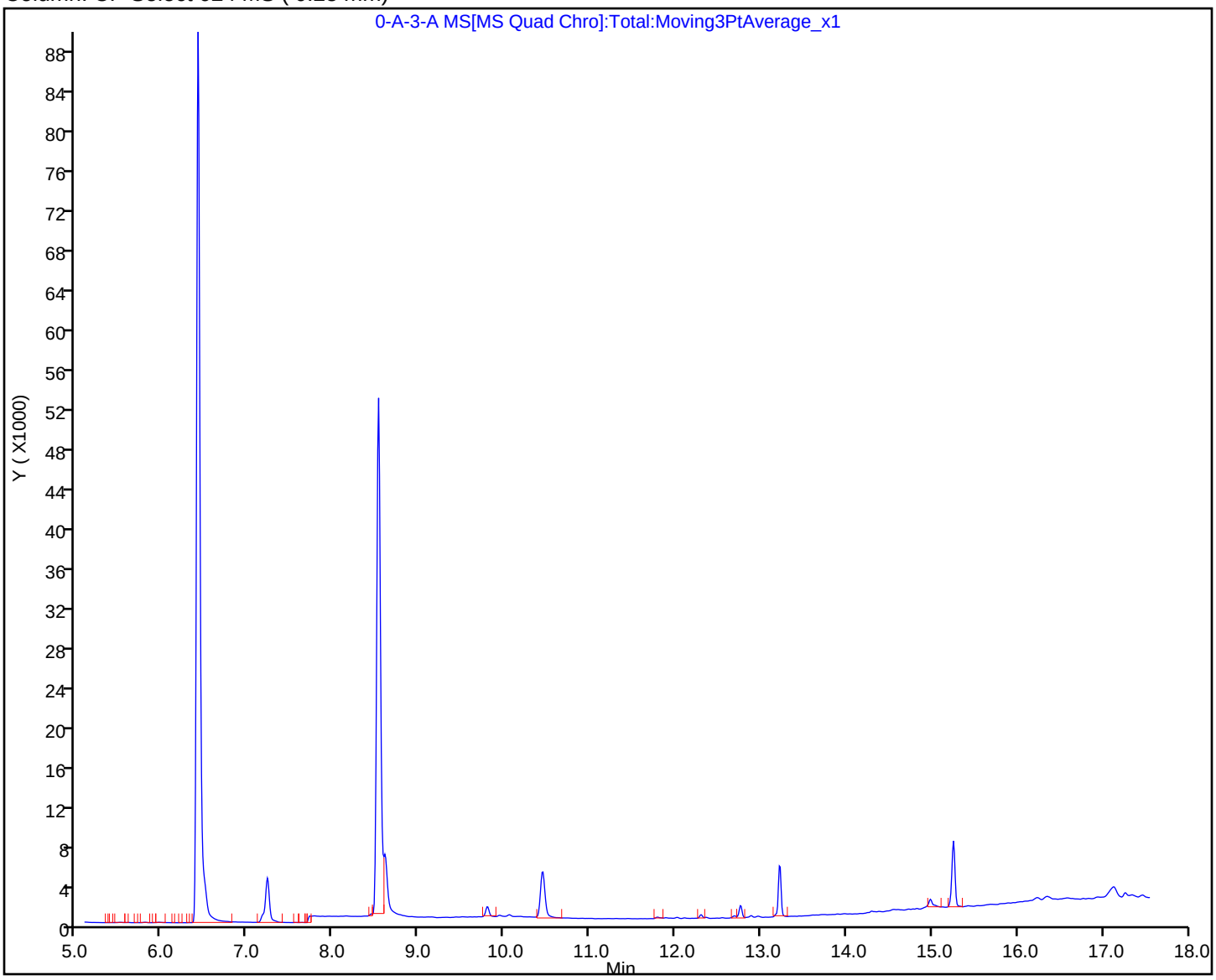
Processing Flags
Review Flags
M - Manually Integrated

Report Date: 19-Mar-2025 10:14:55 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-3-A MS.D				
Injection Date:	18-Mar-2025 22:36:49	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-3-A MS				
Client ID:	BPOW6-9-20250312MS				
Operator ID:	BC	ALS Bottle#:	22	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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-FE\20250318-35258.b\810-141400-A-3-A MS.D				
Lims ID:	810-141400-A-3-A MS				
Client ID:	BPOW6-9-20250312MS				
Sample Type:	MS				
Inject. Date:	18-Mar-2025 22:36:49	ALS Bottle#:	22	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-021				
Misc. Info.:	810-141400-A-3-A MS				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:14:48	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				

First Level Reviewer: D5UB Date: 19-Mar-2025 10:02:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1,4-Dioxane-d8 (Surr)	500.0	443.6	88.72

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

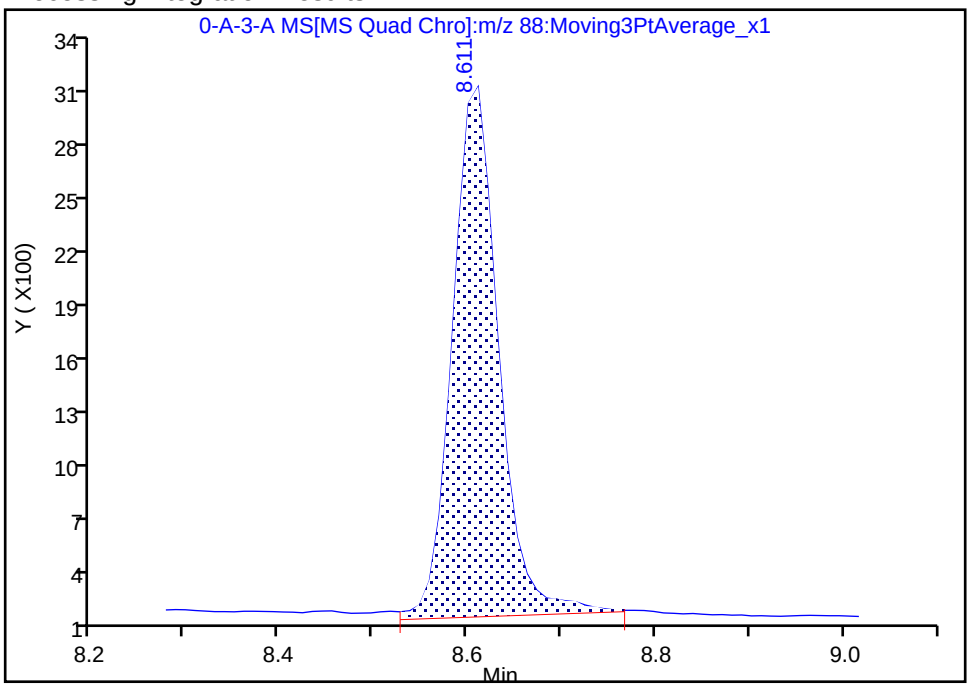
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-3-A MS.D				
Injection Date:	18-Mar-2025 22:36:49	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-3-A MS				
Client ID:	BPOW6-9-20250312MS				
Operator ID:	BC	ALS Bottle#:	22	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

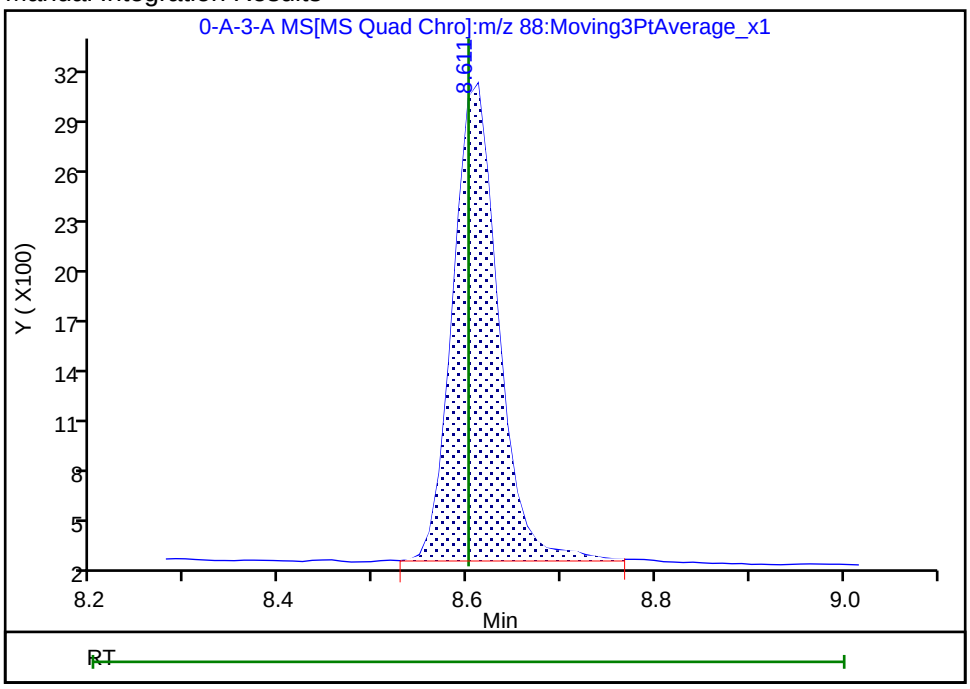
Processing Integration Results

RT: 8.61
Area: 9809
Amount: 45.529031
Amount Units: ug/l



Manual Integration Results

RT: 8.61
Area: 9480
Amount: 43.978550
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 10:02:00 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

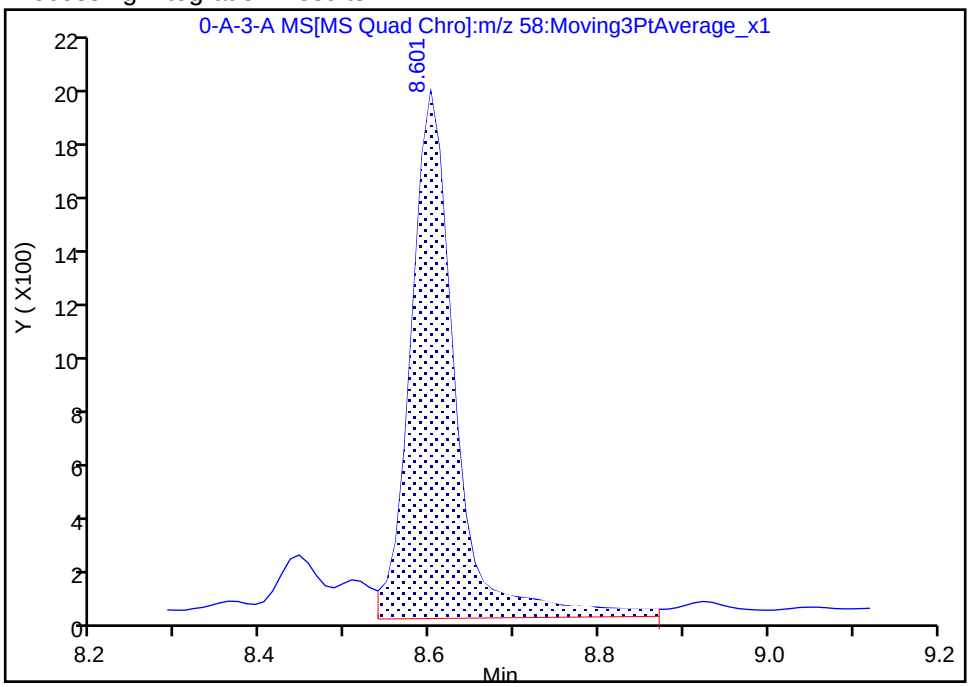
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-3-A MS.D				
Injection Date:	18-Mar-2025 22:36:49	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-3-A MS				
Client ID:	BPOW6-9-20250312MS				
Operator ID:	BC	ALS Bottle#:	22	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 2

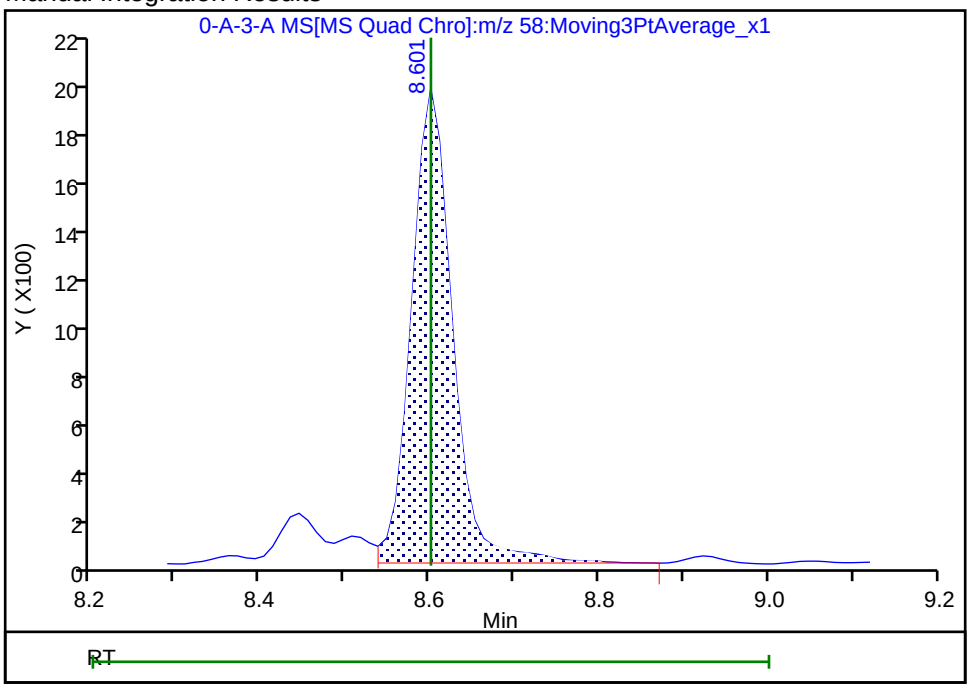
Processing Integration Results

RT: 8.60
Area: 7068
Amount: 45.529031
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 6440
Amount: 43.978550
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 10:02:41 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Eaton Analytical South Bend
Job No.: 810-141400-1

SDG No.:

Client Sample ID: BPOW6-9-20250312MSD MSD
Lab Sample ID: 810-141400-3 MSD

Matrix: Drinking Water
Lab File ID: 810-141400-A-3-B MSD.D

Analysis Method: 522
Date Collected: 03/12/2025 09:30

Extract. Method: 522
Date Extracted: 03/18/2025 08:19

Sample wt/vol: 100(mL)
Date Analyzed: 03/18/2025 22:58

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.: 137062
Units: ug/L

Preparation Batch No.: 136989
Instrument ID: GCMS-FE

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.909		0.070	0.062

CAS NO.	SURROGATE	%REC	Q	LIMITS
17647-74-4	1,4-Dioxane-d8 (Surr)	86		70-130

Eurofins Eaton Analytical South Bend
Target Compound Quantitation Report

Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-3-B MSD.D				
Lims ID:	810-141400-A-3-B MSD				
Client ID:	BPOW6-9-20250312MSD				
Sample Type:	MSD				
Inject. Date:	18-Mar-2025 22:58:44	ALS Bottle#:	23	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-022				
Misc. Info.:	810-141400-A-3-B MSD				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:14:48	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 10:04:03		

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	6.409	6.409	0.000	26	100105	500.0	500.0	
$ 9 1,4-Dioxane-d8 (Surr)	96	8.528	8.528	0.000	99	83274	500.0	428.1	
11 1,4-Dioxane	88	8.611	8.601	0.010	81	9551	50.0	45.4	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Report Date: 19-Mar-2025 10:14:56 Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Eaton Analytical South Bend

Data File: \\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-3-B MSD.D

Injection Date: 18-Mar-2025 22:58:44 Instrument ID: GCMS-FE

Lims ID: 810-141400-A-3-B MSD

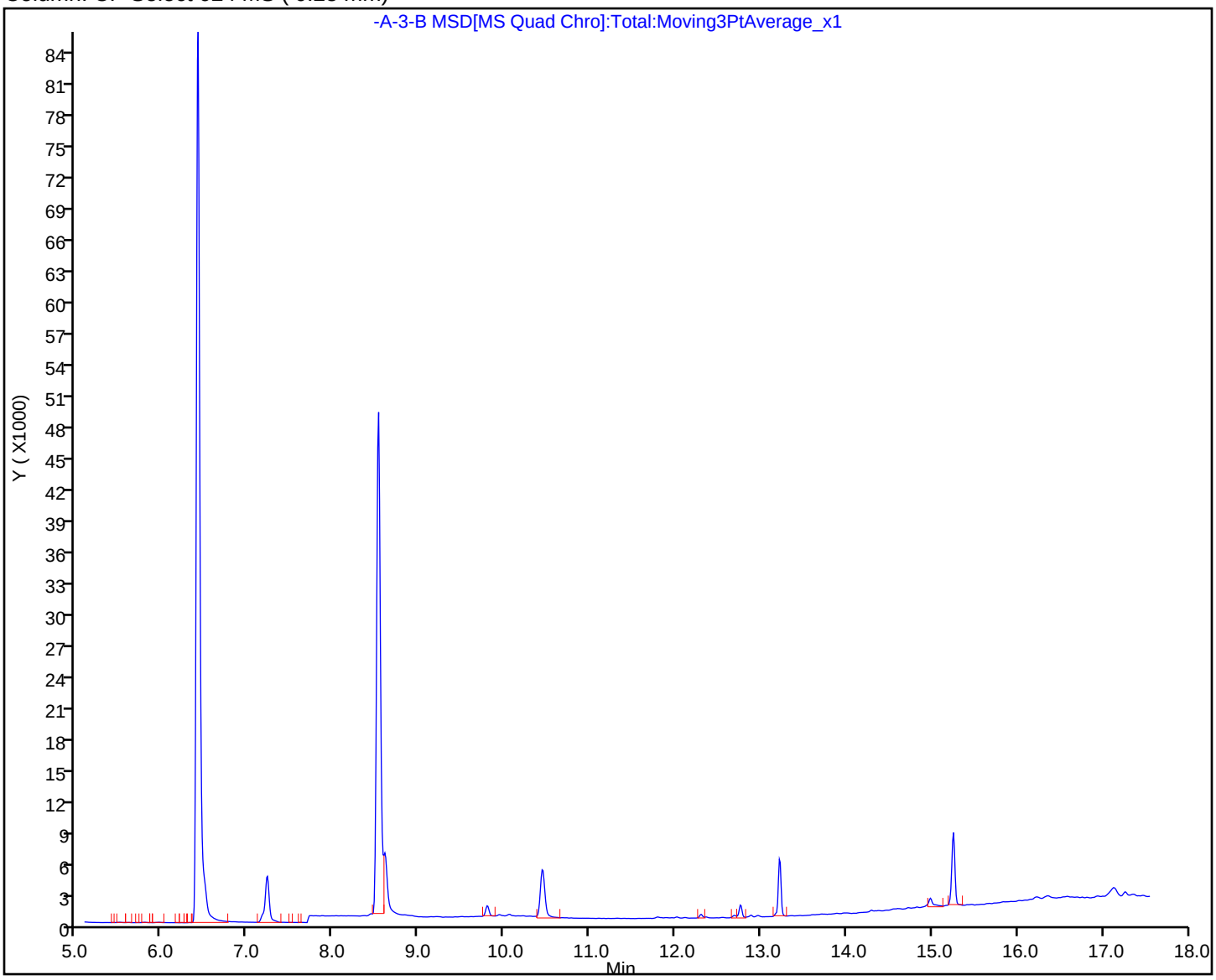
Client ID: BPOW6-9-20250312MSD

Operator ID: BC ALS Bottle#: 23 Worklist Smp#: 22

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 522_GCMS-FE 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-FE\20250318-35258.b\810-141400-A-3-B MSD.D				
Lims ID:	810-141400-A-3-B MSD				
Client ID:	BPOW6-9-20250312MSD				
Sample Type:	MSD				
Inject. Date:	18-Mar-2025 22:58:44	ALS Bottle#:	23	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	810-0035258-022				
Misc. Info.:	810-141400-A-3-B MSD				
Operator ID:	BC	Instrument ID:	GCMS-FE		
Raw Data:	Smoothed				
Method:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\522_GCMS-FE.m				
Limit Group:	MSS - 522				
Last Update:	19-Mar-2025 10:14:48	Calib Date:	21-Feb-2025 17:14:53		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250221-34416.b\IC100.D				
Column 1 :	CP Select 624 MS (0.25 mm)		Det: MS Quad		
Process Host:	CTX1643				
First Level Reviewer: D5UB		Date:	19-Mar-2025 10:04:03		

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 1,4-Dioxane-d8 (Surr)	500.0	428.1	85.62

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

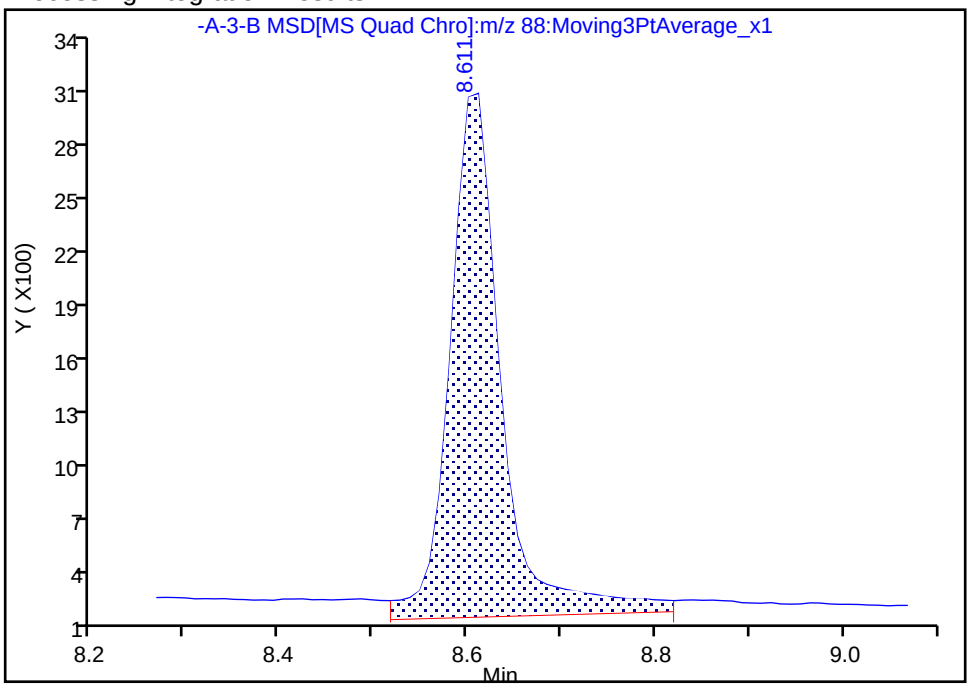
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-3-B MSD.D				
Injection Date:	18-Mar-2025 22:58:44	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-3-B MSD				
Client ID:	BPOW6-9-20250312MSD				
Operator ID:	BC	ALS Bottle#:	23	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	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

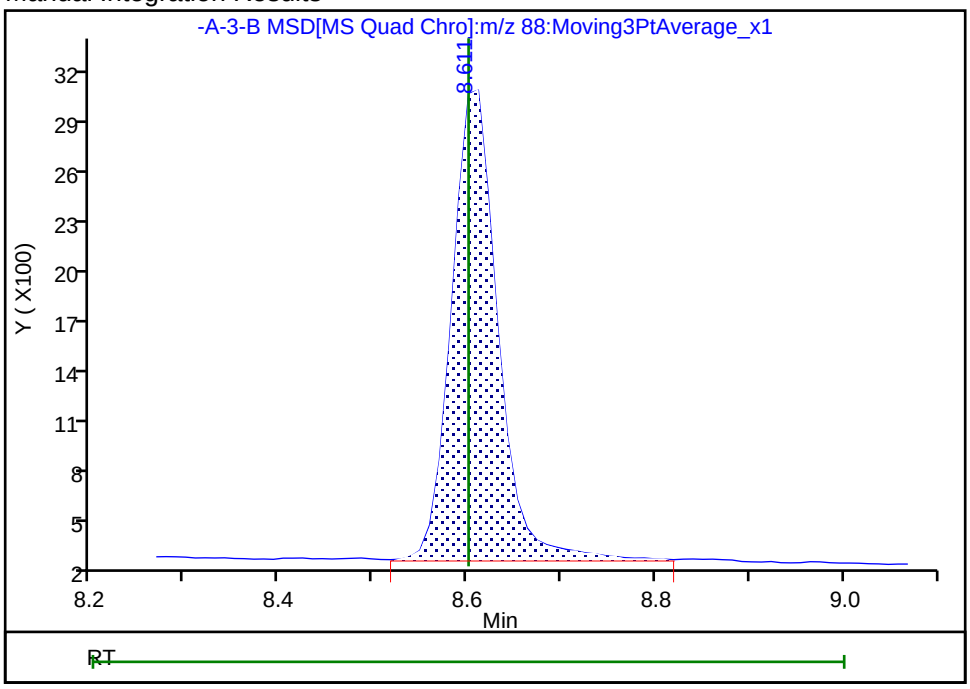
Processing Integration Results

RT: 8.61
Area: 11076
Amount: 52.812475
Amount Units: ug/l



Manual Integration Results

RT: 8.61
Area: 9551
Amount: 45.444893
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 10:03:18 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Eaton Analytical South Bend

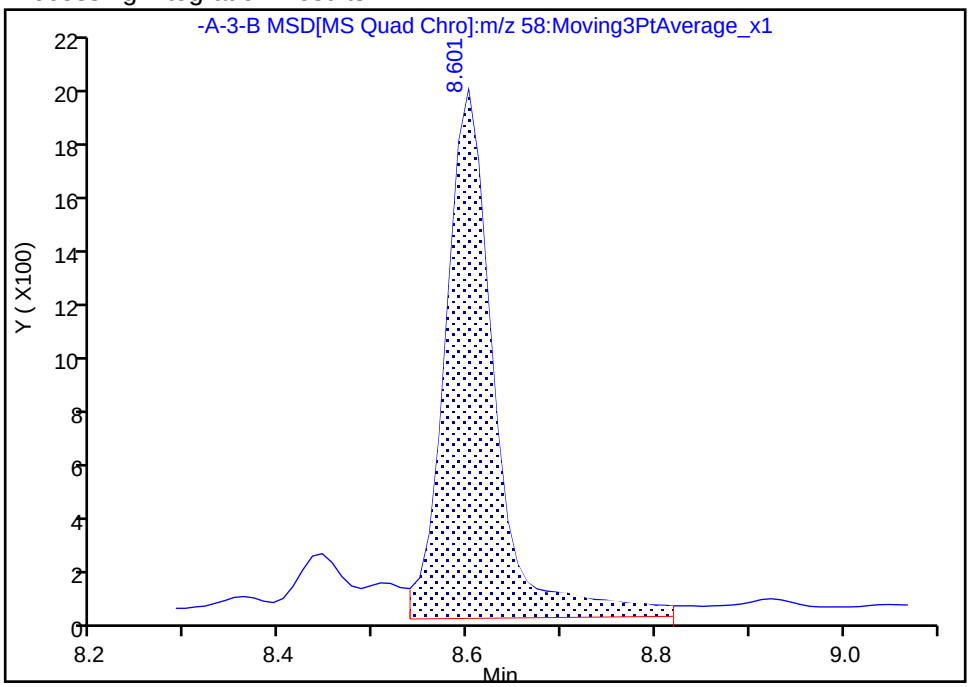
Data File:	\\ChromFS\Southbend\ChromData\GCMS-FE\20250318-35258.b\810-141400-A-3-B MSD.D				
Injection Date:	18-Mar-2025 22:58:44	Instrument ID:	GCMS-FE		
Lims ID:	810-141400-A-3-B MSD				
Client ID:	BPOW6-9-20250312MSD				
Operator ID:	BC	ALS Bottle#:	23	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	522_GCMS-FE	Limit Group:	MSS - 522		
Column:	CP Select 624 MS (0.25 mm)	Detector	MS Quad		

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

Signal: 2

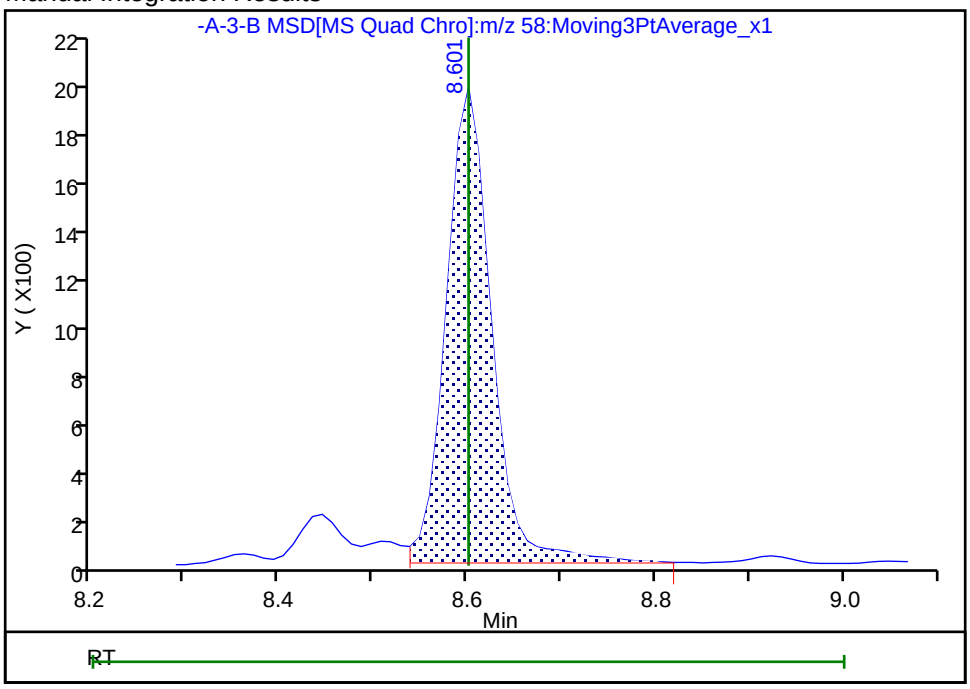
Processing Integration Results

RT: 8.60
Area: 7145
Amount: 52.812475
Amount Units: ug/l



Manual Integration Results

RT: 8.60
Area: 6341
Amount: 45.444893
Amount Units: ug/l



Reviewer: D5UB, 19-Mar-2025 10:03:49 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Instrument ID: GCMS-FE Start Date: 02/21/2025 13:06

Analysis Batch Number: 134118 End Date: 02/22/2025 00:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 810-134118/1		02/21/2025 13:06	1	BFB 1.D	CPSelect 624 MS 0.25(mm)
IC 810-134052/4-A		02/21/2025 13:33	1	IC 007.D	CPSelect 624 MS 0.25(mm)
IC 810-134052/5-A		02/21/2025 13:55	1	IC 01.D	CPSelect 624 MS 0.25(mm)
IC 810-134052/6-A		02/21/2025 14:17	1	IC 02.D	CPSelect 624 MS 0.25(mm)
IC 810-134052/7-A		02/21/2025 14:39	1	IC 05.D	CPSelect 624 MS 0.25(mm)
IC 810-134052/8-A		02/21/2025 15:02	1	IC 1.D	CPSelect 624 MS 0.25(mm)
IC 810-134052/9-A		02/21/2025 15:24	1	IC 2.D	CPSelect 624 MS 0.25(mm)
IC 810-134052/10-A		02/21/2025 15:46	1	IC 5.D	CPSelect 624 MS 0.25(mm)
IC 810-134052/11-A		02/21/2025 16:08	1	IC 10.D	CPSelect 624 MS 0.25(mm)
ICISAV 810-134052/12-A		02/21/2025 16:30	1	IC 20.D	CPSelect 624 MS 0.25(mm)
IC 810-134052/13-A		02/21/2025 16:52	1	IC 50.D	CPSelect 624 MS 0.25(mm)
IC 810-134052/14-A		02/21/2025 17:14	1	IC100.D	CPSelect 624 MS 0.25(mm)
CCVLIS 810-134052/1-A		02/21/2025 17:59	1		CPSelect 624 MS 0.25(mm)
ICV 810-134052/15-A		02/21/2025 18:21	1	ICV.D	CPSelect 624 MS 0.25(mm)
ZZZZZ (QC)		02/21/2025 19:04	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (QC)		02/21/2025 19:26	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (QC)		02/21/2025 19:48	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		02/21/2025 20:09	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		02/21/2025 20:31	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		02/21/2025 20:53	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (QC)		02/21/2025 21:15	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (QC)		02/21/2025 21:37	1		CPSelect 624 MS 0.25(mm)
CCVIS 810-134052/2-A		02/21/2025 21:59	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		02/21/2025 22:20	5		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		02/21/2025 22:43	5		CPSelect 624 MS 0.25(mm)
ZZZZZ (QC)		02/21/2025 23:04	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (QC)		02/21/2025 23:26	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (QC)		02/21/2025 23:48	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (QC)		02/22/2025 00:10	1		CPSelect 624 MS 0.25(mm)
CCV 810-134052/3-A		02/22/2025 00:32	1		CPSelect 624 MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Eaton Analytical South Bend Job No.: 810-141400-1

SDG No.:

Instrument ID: GCMS-FE Start Date: 03/18/2025 14:59

Analysis Batch Number: 137062 End Date: 03/19/2025 03:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVLIS 810-137036/1-A		03/18/2025 14:59	1	CCVL.D	CPSelect 624 MS 0.25(mm)
MBL 810-136989/1-A		03/18/2025 15:42	1	MBL.D	CPSelect 624 MS 0.25(mm)
LLCS 810-136989/2-A		03/18/2025 16:04	1	LLCS.D	CPSelect 624 MS 0.25(mm)
LCS 810-136989/3-A		03/18/2025 16:25	1	LCS.D	CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/18/2025 16:47	1		CPSelect 624 MS 0.25(mm)
810-141400-1	BPOW6-7-20250312	03/18/2025 17:08	1	810-141400-A-1-A.D	CPSelect 624 MS 0.25(mm)
810-141400-2	BPOW6-8-20250312	03/18/2025 17:30	1	810-141400-A-2-A.D	CPSelect 624 MS 0.25(mm)
810-141400-4	BPOW6-10-20250312	03/18/2025 17:52	1	810-141400-A-4-A.D	CPSelect 624 MS 0.25(mm)
810-141400-5	BPOW6-11-20250312	03/18/2025 18:13	1	810-141400-A-5-A.D	CPSelect 624 MS 0.25(mm)
810-141400-6	DUP04-20250312	03/18/2025 18:35	1	810-141400-A-6-A.D	CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/18/2025 18:57	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/18/2025 19:19	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/18/2025 19:41	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/18/2025 20:03	1		CPSelect 624 MS 0.25(mm)
CCVIS 810-137036/2-A		03/18/2025 20:25	1	CCVM.D	CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/18/2025 20:46	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/18/2025 21:08	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/18/2025 21:30	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/18/2025 21:52	1		CPSelect 624 MS 0.25(mm)
810-141400-3	BPOW6-9-20250312	03/18/2025 22:14	1	810-141400-A-3-C.D	CPSelect 624 MS 0.25(mm)
810-141400-3 MS	BPOW6-9-20250312MS MS	03/18/2025 22:36	1	810-141400-A-3-A MS.D	CPSelect 624 MS 0.25(mm)
810-141400-3 MSD	BPOW6-9-20250312MSD MSD	03/18/2025 22:58	1	810-141400-A-3-B MSD.D	CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/18/2025 23:41	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/19/2025 00:25	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/19/2025 01:09	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/19/2025 01:53	1		CPSelect 624 MS 0.25(mm)
ZZZZZ (Client)		03/19/2025 02:37	1		CPSelect 624 MS 0.25(mm)
CCV 810-137036/3-A		03/19/2025 03:20	1	CCVH.D	CPSelect 624 MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Eaton Analytical Sout Job No.: 810-141400-1

SDG No.:

Batch Number: 134052 Batch Start Date: 02/21/25 06:15 Batch Analyst: Miller, Anna

Batch Method: 522 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	522 IS SS 00228	522-Sur-SS 00125	O-522 CalM 00016	O-522-CalH 00015
IC 810-134052/4		522, 522			2 mL	2 mL	10 uL	10 uL		
IC 810-134052/5		522, 522			2 mL	2 mL	10 uL	10 uL		
IC 810-134052/6		522, 522			2 mL	2 mL	10 uL	10 uL		
IC 810-134052/7		522, 522			2 mL	2 mL	10 uL	10 uL	5 uL	
IC 810-134052/8		522, 522			2 mL	2 mL	10 uL	10 uL	10 uL	
IC 810-134052/9		522, 522			2 mL	2 mL	10 uL	10 uL	20 uL	
IC 810-134052/10		522, 522			2 mL	2 mL	10 uL	10 uL		5 uL
IC 810-134052/11		522, 522			2 mL	2 mL	10 uL	10 uL		10 uL
ICISAV 810-134052/12		522, 522			2 mL	2 mL	10 uL	10 uL		20 uL
IC 810-134052/13		522, 522			2 mL	2 mL	10 uL	10 uL		50 uL
IC 810-134052/14		522, 522			2 mL	2 mL	10 uL	10 uL		100 uL
ICV 810-134052/15		522, 522			2 mL	2 mL	10 uL	10 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	O-522-QCS-Sub 00010	O522-CalL 00020				
IC 810-134052/4		522, 522				7 uL				
IC 810-134052/5		522, 522				10 uL				
IC 810-134052/6		522, 522				20 uL				
IC 810-134052/7		522, 522								
IC 810-134052/8		522, 522								
IC 810-134052/9		522, 522								
IC 810-134052/10		522, 522								
IC 810-134052/11		522, 522								
ICISAV 810-134052/12		522, 522								
IC 810-134052/13		522, 522								
IC 810-134052/14		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.: 810-141400-1

SDG No.:

Batch Number: 134052 Batch Start Date: 02/21/25 06:15 Batch Analyst: Miller, Anna

Batch Method: 522 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	O-522-QCS-Sub 00010	O522-CalL 00020				
ICV 810-134052/15		522, 522			20 uL					

Batch Notes	
MeCL2 ID	1807329
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.: 810-141400-1

SDG No.:

Batch Number: 134118 Batch Start Date: 02/21/25 13:06 Batch Analyst: Wang, Marissa

Batch Method: 522 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	O-522BFBSUB 00018				
BFB 810-134118/1		522			2 mL	1 mL				
IC 810-134052/4-A		522			2 mL					
IC 810-134052/5-A		522			2 mL					
IC 810-134052/6-A		522			2 mL					
IC 810-134052/7-A		522			2 mL					
IC 810-134052/8-A		522			2 mL					
IC 810-134052/9-A		522			2 mL					
IC 810-134052/10-A		522			2 mL					
IC 810-134052/11-A		522			2 mL					
ICISAV 810-134052/12-A		522			2 mL					
IC 810-134052/13-A		522			2 mL					
IC 810-134052/14-A		522			2 mL					
ICV 810-134052/15-A		522			2 mL					

Batch Notes	

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.: 810-141400-1

SDG No.:

Batch Number: 136989 Batch Start Date: 03/18/25 08:19 Batch Analyst: Bloom, Lauren

Batch Method: 522 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	522 IS SS 00230	522-Sur-SS 00127	O-522 CalM 00016	O-522-CalH 00016
MBL 810-136989/1		522, 522			100 mL	2 mL	10 uL	10 uL		
LLCS 810-136989/2		522, 522			100 mL	2 mL	10 uL	10 uL		
LCS 810-136989/3		522, 522			100 mL	2 mL	10 uL	10 uL		10 uL
810-141400-A-3 MS	BPOW6-9-20250312MS	522, 522	ıking Wa	T	100 mL	2 mL	10 uL	10 uL	10 uL	
810-141400-A-3 MSD	BPOW6-9-20250312MSD	522, 522	ıking Wa	T	100 mL	2 mL	10 uL	10 uL	10 uL	
810-141400-A-1	BPOW6-7-20250312	522, 522	ıking Wa	T	100 mL	2 mL	10 uL	10 uL		
810-141400-A-2	BPOW6-8-20250312	522, 522	ıking Wa	T	100 mL	2 mL	10 uL	10 uL		
810-141400-A-3	BPOW6-9-20250312	522, 522	ıking Wa	T	100 mL	2 mL	10 uL	10 uL		
810-141400-A-4	BPOW6-10-20250312	522, 522	ıking Wa	T	100 mL	2 mL	10 uL	10 uL		
810-141400-A-5	BPOW6-11-20250312	522, 522	ıking Wa	T	100 mL	2 mL	10 uL	10 uL		
810-141400-A-6	DUP04-20250312	522, 522	ıking Wa	T	100 mL	2 mL	10 uL	10 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	O522-CalL 00021	AnalysisComment				
MBL 810-136989/1		522, 522				Y1				
LLCS 810-136989/2		522, 522			7 uL	Y2				
LCS 810-136989/3		522, 522				Y3				
810-141400-A-3 MS	BPOW6-9-20250312MS	522, 522	ıking Wa	T		Y4				
810-141400-A-3 MSD	BPOW6-9-20250312MSD	522, 522	ıking Wa	T		Y5				
810-141400-A-1	BPOW6-7-20250312	522, 522	ıking Wa	T		X3				
810-141400-A-2	BPOW6-8-20250312	522, 522	ıking Wa	T		X4				
810-141400-A-3	BPOW6-9-20250312	522, 522	ıking Wa	T		X5				

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.: 810-141400-1

SDG No.:

Batch Number: 136989 Batch Start Date: 03/18/25 08:19 Batch Analyst: Bloom, Lauren

Batch Method: 522 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	O522-CalL 00021	AnalysisComment				
810-141400-A-4	BPOW6-10-20250312	522, 522	ıking Wa	T		X6				
810-141400-A-5	BPOW6-11-20250312	522, 522	ıking Wa	T		Y1				
810-141400-A-6	DUP04-20250312	522, 522	ıking Wa	T		Y2				

Batch Notes	
MeCL2 ID	1807331
Methanol ID	1839475
SPE Cartridge Lot ID	1762348
Sodium Sulfite ID	1456825
Na2SO4 ID	1821876
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.: 810-141400-1

SDG No.:

Batch Number: 137036 Batch Start Date: 03/18/25 12:22 Batch Analyst: Bloom, Lauren

Batch Method: 522 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	522 IS SS 00230	522-Sur-SS 00127	O-522-CalH 00016	O522-CalL 00021
CCVLIS 810-137036/1		522, 522			2 mL	2 mL	10 uL	10 uL		7 uL
CCVIS 810-137036/2		522, 522			2 mL	2 mL	10 uL	10 uL	20 uL	
CCV 810-137036/3		522, 522			2 mL	2 mL	10 uL	10 uL	100 uL	

Batch Notes	
MeCL2 ID	1807331
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) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. Q1557/58
COC Number 2041505

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RESOLUTION
ADDRESS:
CITY STATE: ZIP:
ATTENTION: ELEANOR VIVAUDOU
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP BETHPAGE
PROJECT NO.: 60731872 LOCATION: BETHPAGE
PROJECT MANAGER: E. VIVAUDOU
e-mail: ELEANOR.VIVAUDOU@AECOM.COM
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: E. VIVAUDOU PO#:
ADDRESS: 27 ELLIS PLACE
CITY OSSINING STATE: NY ZIP: 10563
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: STANDARD _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☒ EDD FORMAT NYSDEC EDD CAT B

ANALYSIS

1 VOCs 8260
2 14 DIOXANE SIM 8270
3 S22 (14 DIOXANE)
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A/E	E	E/F							← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	BPOW6-7-20250312	GW		X	3-12-25	0950	5	2	1	2							
2.	BPOW6-8-20250312	GW		X		0955	5	2	1	2							
3.	BPOW6-9-20250312	GW		X		0930	15	6	3	6							MS/MSD
4.	BPOW6-10-20250312	GW		X		1030	5	2	1	2							
5.	BPOW6-11-20250312	GW		X		1010	5	2	1	2							
6.	DUP04-20250312	GW		X		—	5	2	1	2							
7.																	
8.																	
9.																	
10.																	

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

	DATE/TIME		
RELINQUISHED BY SAMPLER: 1.	3-12-25	RECEIVED BY: 1.	1500 3-12-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1819 3-12-25	RECEIVED BY: 3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments:

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CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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

Q1558

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Alliance TECHNICAL GROUP

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

810-141400 Chain of Custody

CHAIN OF CUSTODY RECORD

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION
COMPANY : Eurofins Eaton Analytical South Bend	ORDER ID : Q1558		BILL TO: CHEMTECH PO# : Q1558
ADDRESS : 110 South Bend	PROJECT ID:NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 3225		ADDRESS : 284, Sheffield Street
CITY:South Bend State :IN ZIP :46617	PROJECT MANAGER YAZMEEN		CITY: Mountainside State : NJ ZIP : 07092
E-mail :Nathan.Trowbridge@et.eurofinsus.	E-mail : YAZMEEN@CHEMTECH.NET		ATTENTION :YAZMEE
PHONE :574-233-477_	PHONE : (908) 789 8900	FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

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

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	TAT DAYS
01	BPOW6-7-20250312	Water	1,4 Dioxane	1:~~1 HNO3 to pH < 2~~	522	03/12/2025	09:50:00	2	10
02	BPOW6-8-20250312	Water	1,4 Dioxane	1:~~1 HNO3 to pH < 2~~	522	03/12/2025	09:55:00	2	10
03	BPOW6-9-20250312	Water	1,4 Dioxane	1:~~1 HNO3 to pH < 2~~	522	03/12/2025	09:30:00	2	10
04	BPOW6-9-20250312MS	Water	1,4 Dioxane	1:~~1 HNO3 to pH < 2~~	522	03/12/2025	09:30:00	2	10
05	BPOW6-9-20250312MSD	Water	1,4 Dioxane	1:~~1 HNO3 to pH < 2~~	522	03/12/2025	09:30:00	2	10
06	BPOW6-10-20250312	Water	1,4 Dioxane	1:~~1 HNO3 to pH < 2~~	522	03/12/2025	10:30:00	2	10
07	BPOW6-11-20250312	Water	1,4 Dioxane	1:~~1 HNO3 to pH < 2~~	522	03/12/2025	10:10:00	2	10
08	DUP04-20250312	Water	1,4 Dioxane	1:1 ~~HNO3 to pH < 2~~	522	03/12/2025	00:00:00	2	10

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

RELINQUISHED BY SAMPLER: 1.	DATETIME: 3.13.25	RECEIVED BY: 1.	Conditions of bottles or Coolers at receipt: ☐ Compliant ☐ Non Compliant	Cooler Temp
RELINQUISHED BY: 2. 0845	DATETIME: 03/14/2025	RECEIVED BY: 2. Peyton Trowbridge	Initial Temp: 0.4 Corrected Temp: 0.0 wet IR Gun # 31	Ice or Cooler?
RELINQUISHED BY: 3.	DATETIME:	RECEIVED BY: 3.	Page 1 of 1 ☐ OVERNIGHT ☐ OVERNIGHT	Shipment Complete: ☐ YES ☐ NO

Login Sample Receipt Checklist

Client: Chemtech Consulting Group Inc.

Job Number: 810-141400-1

Login Number: 141400
List Number: 1
Creator: Trowbridge, Peyton

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	