Scott Figgie LLC

Scott Figgie LLC
c/o GSF Management Company LLC
34407 DuPont Boulevard, Suite 6
Frankford, DE 19945

August 18, 2020

Ms. Laura Surdej
Erie County Department of Environment and Planning
Division of Sewerage Management
Erie County Sewer District # 6
260 Lehigh Avenue
Lackawanna, New York 14218

RE: Third Quarter 2020 Discharge Monitoring Report
Groundwater Remediation Operation
25A Walter Winter Drive, Lancaster, New York 14086
NYSDEC Site 9-15-149
EC/BPDES Permit No. 18-10-E4054

Dear Ms. Surdej:

AVOX Systems Inc. owns the subject property. Scott Figgie LLC is currently responsible for certain environmental activities at that property, including compliance with Erie County/Buffalo Pollution Discharge Elimination System (EC/BPDES) Permit No. 18-10-E4054. Scott Figgie is pleased to provide you with the enclosed Third Quarter 2020 Discharge Monitoring Report for the groundwater remediation operation located on that property. This report is submitted in partial fulfillment of EC/BPDES Permit No. 18-10-E4054, effective October 1, 2018.

GSF Management Company LLC (GSF), an affiliate of Scott Figgie, is managing the remediation of groundwater on the subject property on behalf of Scott Figgie. Scott Figgie/GSF commissioned AECOM Technical Services, Inc. (AECOM), with an office located in Buffalo, New York, to perform the required EC/BPDES quarterly sampling during the month of July 2020 and to prepare the enclosed report with the results.

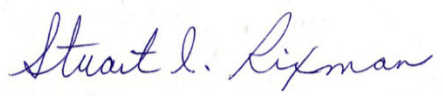
Figures 1 and 2 in the report depict the entire groundwater collection and treatment system that is covered by the subject permit.

I certify under the penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the systems, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for known violations.

Scott Figgie or AVOX Systems Inc. will continue to monitor the influent and effluent of the active remediation system located at the site on a quarterly basis. The next quarterly discharge monitoring report is due by November 30, 2020 under permit 18-10-E4054.

If you have any questions regarding this submittal, please do not hesitate to contact me or Troy Chute at the above address, or to send an email either to me at stuart.rixman@gsfmanagementco.com or to Mr. Chute at troy.chute@gsfmanagementco.com.

Very truly yours,
Scott Figgie LLC



Stuart I. Rixman
Project Manager, GSF Management Company

\enclosures

cc: Mr. Al Alagna, Buffalo Sewer Authority (electronic copy sent by AECOM)
Mr. Glenn May, NYSDEC Region 9 (electronic copy sent by AECOM)
Mr. Troy Chute, GSF Management Company LLC (electronic copy sent by AECOM)
Mr. Raymond DeCarlo, AVOX Systems Inc (electronic copy sent by AECOM)
Mr. Allan Thomalla, AVOX Systems Inc (electronic copy sent by AECOM)
Facility File, Lancaster, NY (hard copy sent by AECOM)

TABLE

Scott Technologies, Inc. - Groundwater Remediation Site
Lancaster, New York

EC/BPDES Permit No. 18-10-E4054

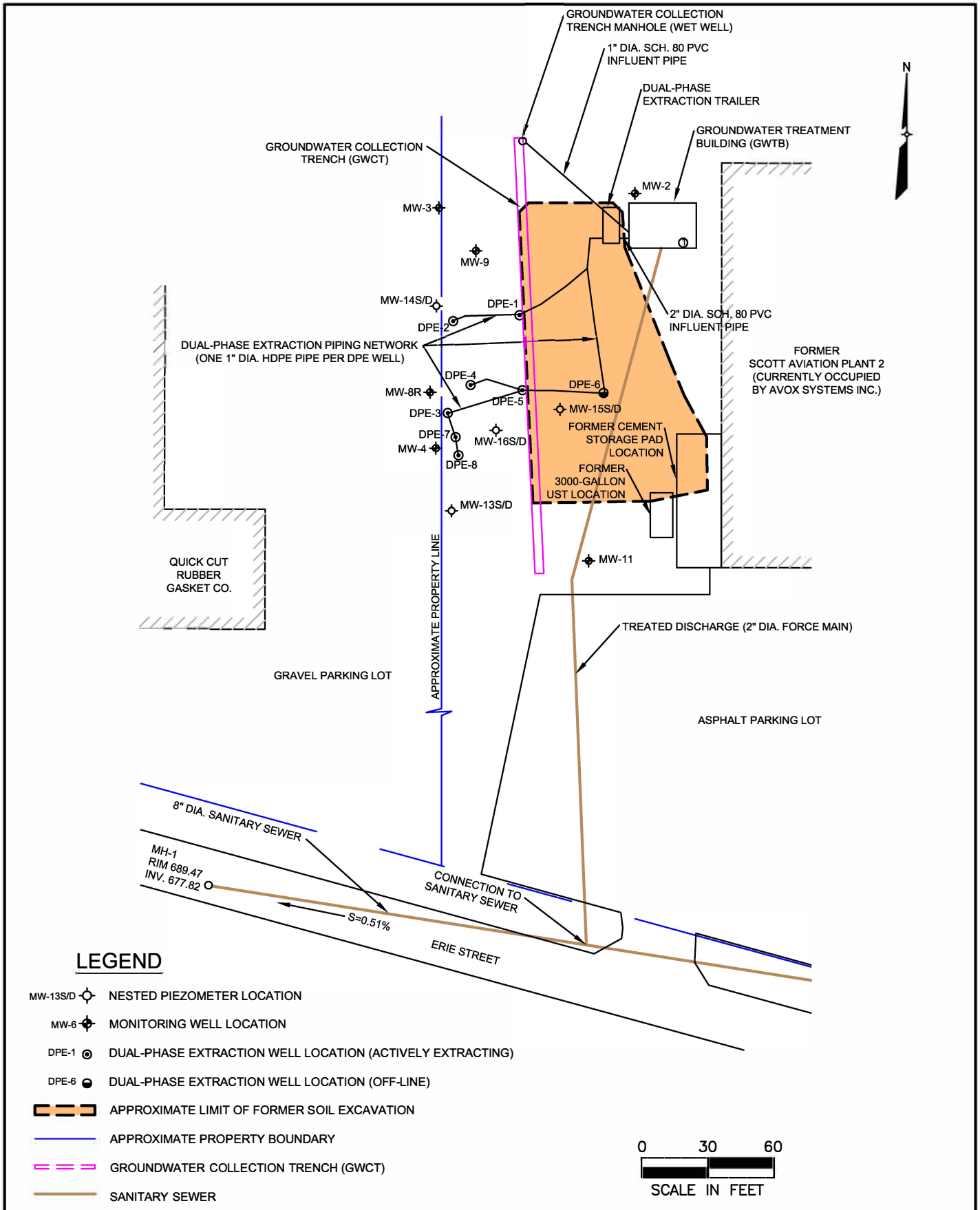
Third Quarter 2020 Discharge Monitoring Report
Sample Date - July 21, 2020

Parameter	Units	Total Maxium Daily Load per Permit (pounds per day)	Measured or Calculated Daily Load (Pounds per day)	Within Limits?
pH (Method SM 4500 H+ B)	SU	5 - 12	8.5	**Y**
Total Extractable Hydrocarbons (Method 1664A)	mg/L	100	< 4.9	**Y**
Total Suspended Solids (Method SM 2540D)	mg/L	250	7.6	**Y**
VOCs (Method 8260C)				
Methylene Chloride	lbs/day	0.12	< 0.000013	**Y**
1,1,1-Trichloroethane	lbs/day	0.09	< 0.000013	**Y**
Trichloroethylene	lbs/day	0.04	< 0.000013	**Y**
Total 1,2-DCE (cis-1,2-DCE and trans-1,2-DCE)	lbs/day	0.02	< 0.000013	**Y**
1,1-Dichloroethane	lbs/day	0.0025	< 0.000013	**Y**
Chloroethane	lbs/day	0.025	< 0.000013	**Y**
Toluene	lbs/day	0.04	< 0.000013	**Y**
Total Daily Flow (discharge meter reading)	gallons per day	14,000	1,529	**Y**

Notes:

SU	standard units
mg/L	milligrams per liter
ug/L	micrograms per liter
lbs/day	pounds per day
J	Indicates analyte result was reported as an estimated concentration.
< (value)	Indicates calculated concentration less than the reported value, using effluent reporting limit as maximum possible concentration.

FIGURES

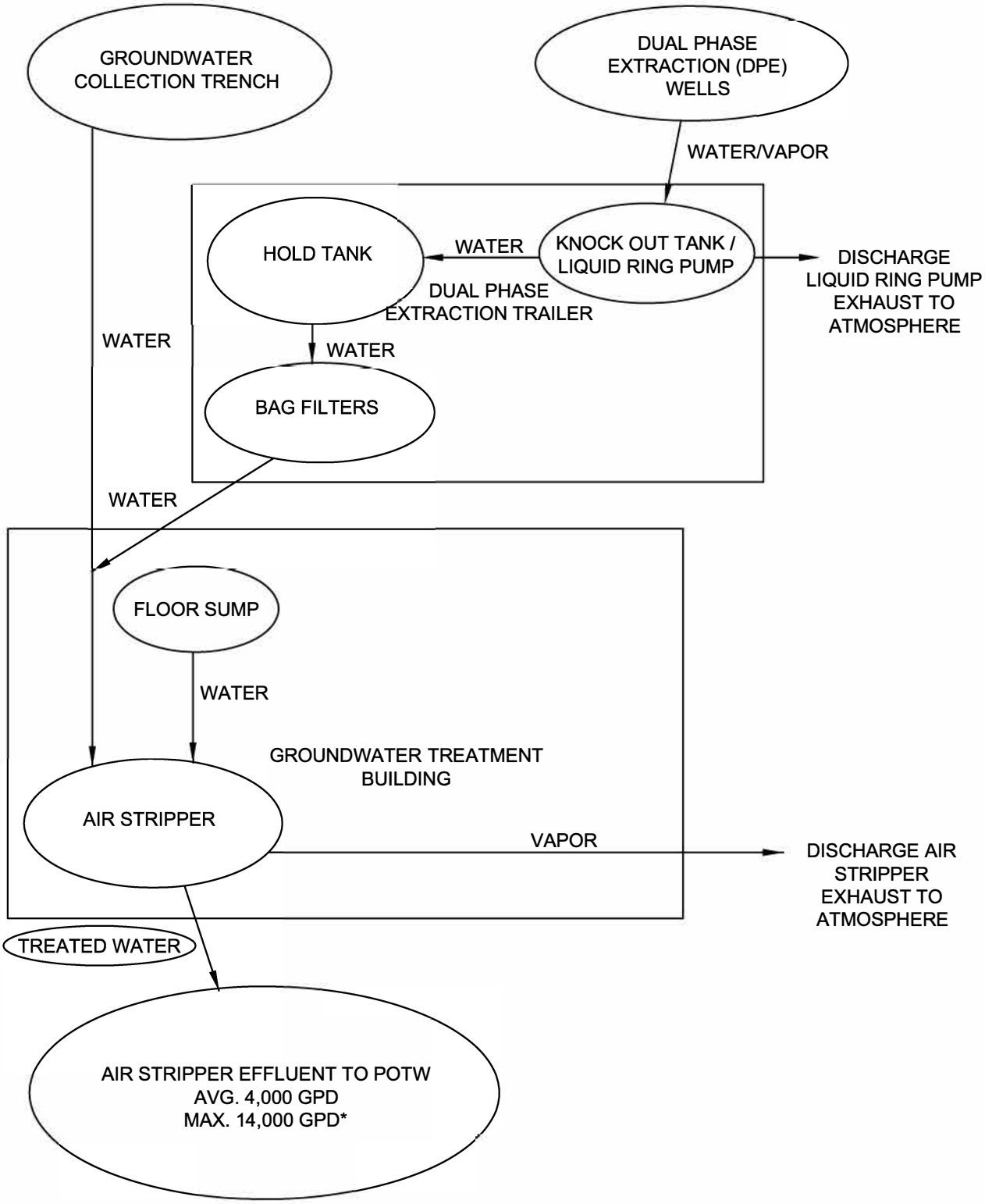


AECOM

FIGURE 1
SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

C:\Users\splawnm\Desktop\Projects\Scott Figgie\71149_216 Site Features Map.dwg, 5/14/2020 6:24:43 AM, Splawnm



*PER DISCHARGE PERMIT NO. 14-04-E4045

AECOM

FIGURE 2
COMBINED DUAL PHASE EXTRACTION REMEDIATION SYSTEM FLOW DIAGRAM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

60538931

DAILY FIELD LOG

AECOM

DAILY FIELD LOG

Project	Scott Figgie LLC, Groundwater Remediation Site, Lancaster, NY
Date	21-Jul-20
Weather	
Temperature Range	
AECOM Personnel on Site	Dino Zack
Time on Site	06:00 hrs to 16:00 hrs
AS Totalizer Start Sampling (06:00 hrs)	1,050,960 gallons
AS Totalizer After Sampling (14:30 hrs)	1,051,610 gallons

Summary of Sample Activities

Time = 06:00 hrs
pH = 8
Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 2, 1-L clear glass bottle (preserved with H_2SO_4) 1/4 full, from influent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Fill 1 250-ml plastic bottle (unpreserved) 1/4 full from influent tap. Water quality is clear with slight odor (no sheen).

Fill 2, 40-ml vials (preserved with HCl) from effluent sample tap. Fill 2, 1-L clear glass bottle (preserved with H_2SO_4) 1/4 full, respectively, from effluent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Fill 1 250-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Water quality is clear with no discernable odor or sheen.

Time = 08:30 hrs
pH = 8
Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 2, 1-L clear glass bottle (preserved with H_2SO_4) 1/4 full, from influent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Fill 1 250-ml plastic bottle (unpreserved) 1/4 full from influent tap. Water quality is clear with slight odor (no sheen).

Fill 2, 40-ml vials (preserved with HCl) from effluent sample tap. Fill 2, 1-L clear glass bottle (preserved with H_2SO_4) 1/4 full, respectively, from effluent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Fill 1 250-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Water quality is clear with no discernable odor or sheen.

Time = 11:30 hrs
pH = 8
Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 2, 1-L clear glass bottle (preserved with H_2SO_4) 1/4 full, from influent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Fill 1 250-ml plastic bottle (unpreserved) 1/4 full from influent tap. Water quality is clear with slight odor (no sheen).

Fill 2, 40-ml vials (preserved with HCl) from effluent sample tap. Fill 2, 1-L clear glass bottle (preserved with H_2SO_4) 1/4 full, respectively, from effluent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Fill 1 250-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Water quality is clear with no discernable odor or sheen.

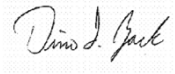
Time = 14:00 hrs
pH = 8
Fill 2, 40-ml vials (preserved with HCl) from influent sample tap. Fill 2, 1-L clear glass bottle (preserved with H_2SO_4) 1/4 full, from influent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from influent tap. Fill 1 250-ml plastic bottle (unpreserved) 1/4 full from influent tap. Water quality is clear with slight odor (no sheen).

Fill 2, 40-ml vials (preserved with HCl) from effluent sample tap. Fill 2, 1-L clear glass bottle (preserved with H_2SO_4) 1/4 full, respectively, from effluent tap. Fill 1, 500-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Fill 1 250-ml plastic bottle (unpreserved) 1/4 full from effluent tap. Water quality is clear with no discernable odor or sheen.

Comments

GWCT and DPE remedial systems running at time of sample collection.

Maintain samples at 4 degrees C. Hand deliver samples to Eurofins TestAmerica Laboratories, Inc. (Amherst, NY) under COC for analysis. Request laboratory to composite 40-ml samples and analyze for VOCs (8260C). Request laboratory to analyze influent and effluent samples for TEH (1664A), TSS (SM 2540D), and pH (SM 4500 H+B).

Signature:  **Date:** 21-Jul-20

LABORATORY REPORT

ANALYTICAL REPORT

Job Number: 480-172684-1

Job Description: Scott Figgie West of Plant 2

For:
AECOM
257 West Genesee Street
Suite 400
Buffalo, NY 14202-2657

Attention: Mr. Dino Zack

Approved for release.
Rebecca M Jones
Project Management Assistant I
7/30/2020 10:10 PM

Designee for
Brian J Fischer, Manager of Project Management
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9835
Brian.Fischer@Eurofinset.com
07/30/2020

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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 TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Table of Contents

Job Narrative
480-172684-1

Comments
No additional comments.

Receipt
The samples were received on 7/21/2020 2:30 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS VOA
Method 8260C: The following Volatile samples were composited by the laboratory on 07/26/20 as requested by the client: EFFLUENT (480-172684-1) and INFLUENT (480-172684-2).
Regulatory defined guidance for in-laboratory compositing of samples is currently not available. Laboratory sample compositing was performed using established project specifications and/or laboratory standard operating procedures.

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

General Chemistry
Methods 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: EFFLUENT (480-172684-1) and INFLUENT (480-172684-2).

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

Sample Summary

Client: AECOM
Job ID: 480-172684-1
Project/Site: Scott Figgie West of Plant 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-172684-1	EFFLUENT	Water	07/21/20 06:00	07/21/20 14:30	
480-172684-2	INFLUENT	Water	07/21/20 06:00	07/21/20 14:30	
480-172684-3	Trip Blank	Water	07/21/20 06:00	07/21/20 14:30	

Detection Summary

Client: AECOM
Job ID: 480-172684-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: EFFLUENT
Lab Sample ID: 480-172684-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	7.6		4.0	4.0	mg/L	1		SM 2540D	Total/NA
pH	8.5	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	17.1	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: INFLUENT
Lab Sample ID: 480-172684-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.9	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.2		1.0	0.81	ug/L	1		8260C	Total/NA
Total Suspended Solids	12.8		4.0	4.0	mg/L	1		SM 2540D	Total/NA
pH	8.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	16.2	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: Trip Blank
Lab Sample ID: 480-172684-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: AECOM
Job ID: 480-172684-1
Project/Site: Scott Figgie West of Plant 2

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
1664B	HEM and SGT-HEM	1664B	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
1664B	HEM and SGT-HEM (Aqueous)	1664B	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

1664B = EPA-821-98-002

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample ID: EFFLUENT
Lab Sample ID: 480-172684-1

Date Collected: 07/21/20 06:00
Matrix: Water
Date Received: 07/21/20 14:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/27/20 03:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/27/20 03:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/27/20 03:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/27/20 03:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/27/20 03:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/27/20 03:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/27/20 03:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/27/20 03:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/27/20 03:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/27/20 03:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/27/20 03:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/27/20 03:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/27/20 03:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/27/20 03:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/27/20 03:02	1
2-Hexanone	ND		5.0	1.2	ug/L			07/27/20 03:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/27/20 03:02	1
Acetone	ND		10	3.0	ug/L			07/27/20 03:02	1
Benzene	ND		1.0	0.41	ug/L			07/27/20 03:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/27/20 03:02	1
Bromoform	ND		1.0	0.26	ug/L			07/27/20 03:02	1
Bromomethane	ND		1.0	0.69	ug/L			07/27/20 03:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/27/20 03:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/27/20 03:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/27/20 03:02	1
Chloroethane	ND		1.0	0.32	ug/L			07/27/20 03:02	1
Chloroform	ND		1.0	0.34	ug/L			07/27/20 03:02	1
Chloromethane	ND		1.0	0.35	ug/L			07/27/20 03:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/27/20 03:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/27/20 03:02	1
Cyclohexane	ND		1.0	0.18	ug/L			07/27/20 03:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/27/20 03:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/27/20 03:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/27/20 03:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/27/20 03:02	1
Methyl acetate	ND		2.5	1.3	ug/L			07/27/20 03:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/27/20 03:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/27/20 03:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/27/20 03:02	1
Styrene	ND		1.0	0.73	ug/L			07/27/20 03:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/27/20 03:02	1
Toluene	ND		1.0	0.51	ug/L			07/27/20 03:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/27/20 03:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/27/20 03:02	1
Trichloroethene	ND		1.0	0.46	ug/L			07/27/20 03:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/27/20 03:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/27/20 03:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/27/20 03:02	1

Client Sample ID: EFFLUENT
Lab Sample ID: 480-172684-1

Date Collected: 07/21/20 06:00
Matrix: Water

Date Received: 07/21/20 14:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*07/27/20 03:02*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*07/27/20 03:02*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/27/20 03:02*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/27/20 03:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (1664A)	ND		4.9	1.9	mg/L		07/24/20 16:34	07/24/20 17:28	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**7.6**		4.0	4.0	mg/L			07/22/20 20:02	1
pH	**8.5**	**HF**	0.1	0.1	SU			07/23/20 15:49	1
Temperature	**17.1**	**HF**	0.001	0.001	Degrees C			07/23/20 15:49	1

Client Sample ID: INFLUENT
Lab Sample ID: 480-172684-2

Date Collected: 07/21/20 06:00
Matrix: Water

Date Received: 07/21/20 14:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/27/20 03:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/27/20 03:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/27/20 03:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/27/20 03:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/27/20 03:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/27/20 03:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/27/20 03:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/27/20 03:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/27/20 03:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/27/20 03:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/27/20 03:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/27/20 03:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/27/20 03:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/27/20 03:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/27/20 03:25	1
2-Hexanone	ND		5.0	1.2	ug/L			07/27/20 03:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/27/20 03:25	1
Acetone	**3.9**	**J**	10	3.0	ug/L			07/27/20 03:25	1
Benzene	ND		1.0	0.41	ug/L			07/27/20 03:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/27/20 03:25	1
Bromoform	ND		1.0	0.26	ug/L			07/27/20 03:25	1
Bromomethane	ND		1.0	0.69	ug/L			07/27/20 03:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/27/20 03:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/27/20 03:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/27/20 03:25	1
Chloroethane	ND		1.0	0.32	ug/L			07/27/20 03:25	1
Chloroform	ND		1.0	0.34	ug/L			07/27/20 03:25	1
Chloromethane	ND		1.0	0.35	ug/L			07/27/20 03:25	1
cis-1,2-Dichloroethene	**2.2**		1.0	0.81	ug/L			07/27/20 03:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/27/20 03:25	1
Cyclohexane	ND		1.0	0.18	ug/L			07/27/20 03:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/27/20 03:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/27/20 03:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/27/20 03:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/27/20 03:25	1
Methyl acetate	ND		2.5	1.3	ug/L			07/27/20 03:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/27/20 03:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/27/20 03:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/27/20 03:25	1
Styrene	ND		1.0	0.73	ug/L			07/27/20 03:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/27/20 03:25	1
Toluene	ND		1.0	0.51	ug/L			07/27/20 03:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/27/20 03:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/27/20 03:25	1
Trichloroethene	ND		1.0	0.46	ug/L			07/27/20 03:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/27/20 03:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/27/20 03:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/27/20 03:25	1

Client Sample ID: INFLUENT
Lab Sample ID: 480-172684-2

Date Collected: 07/21/20 06:00
Matrix: Water

Date Received: 07/21/20 14:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*07/27/20 03:25*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*07/27/20 03:25*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/27/20 03:25*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*07/27/20 03:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (1664A)	ND		5.0	1.9	mg/L		07/24/20 16:34	07/24/20 17:28	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**12.8**		4.0	4.0	mg/L			07/22/20 20:02	1
pH	**8.3**	**HF**	0.1	0.1	SU			07/23/20 15:44	1
Temperature	**16.2**	**HF**	0.001	0.001	Degrees C			07/23/20 15:44	1

Client Sample ID: Trip Blank
Lab Sample ID: 480-172684-3

Date Collected: 07/21/20 06:00
Matrix: Water
Date Received: 07/21/20 14:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/27/20 03:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/27/20 03:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/27/20 03:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/27/20 03:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/27/20 03:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/27/20 03:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/27/20 03:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/27/20 03:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/27/20 03:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/27/20 03:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/27/20 03:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/27/20 03:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/27/20 03:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/27/20 03:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/27/20 03:48	1
2-Hexanone	ND		5.0	1.2	ug/L			07/27/20 03:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/27/20 03:48	1
Acetone	ND		10	3.0	ug/L			07/27/20 03:48	1
Benzene	ND		1.0	0.41	ug/L			07/27/20 03:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/27/20 03:48	1
Bromoform	ND		1.0	0.26	ug/L			07/27/20 03:48	1
Bromomethane	ND		1.0	0.69	ug/L			07/27/20 03:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/27/20 03:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/27/20 03:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/27/20 03:48	1
Chloroethane	ND		1.0	0.32	ug/L			07/27/20 03:48	1
Chloroform	ND		1.0	0.34	ug/L			07/27/20 03:48	1
Chloromethane	ND		1.0	0.35	ug/L			07/27/20 03:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/27/20 03:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/27/20 03:48	1
Cyclohexane	ND		1.0	0.18	ug/L			07/27/20 03:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/27/20 03:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/27/20 03:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/27/20 03:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/27/20 03:48	1
Methyl acetate	ND		2.5	1.3	ug/L			07/27/20 03:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/27/20 03:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/27/20 03:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/27/20 03:48	1
Styrene	ND		1.0	0.73	ug/L			07/27/20 03:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/27/20 03:48	1
Toluene	ND		1.0	0.51	ug/L			07/27/20 03:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/27/20 03:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/27/20 03:48	1
Trichloroethene	ND		1.0	0.46	ug/L			07/27/20 03:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/27/20 03:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/27/20 03:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/27/20 03:48	1

Client: AECOM
Job ID: 480-172684-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: Trip Blank
Lab Sample ID: 480-172684-3
Date Collected: 07/21/20 06:00
Matrix: Water
Date Received: 07/21/20 14:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		07/27/20 03:48	1
4-Bromofluorobenzene (Surr)	94		73 - 120		07/27/20 03:48	1
Toluene-d8 (Surr)	101		80 - 120		07/27/20 03:48	1
Dibromofluoromethane (Surr)	97		75 - 123		07/27/20 03:48	1

Surrogate Summary

Client: AECOM
Project/Site: Scott Figgie West of Plant 2

Job ID: 480-172684-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-172684-1	EFFLUENT	101	95	102	98
480-172684-2	INFLUENT	102	95	101	100
480-172684-3	Trip Blank	100	94	101	97
LCS 480-542194/5	Lab Control Sample	100	100	101	99
MB 480-542194/8	Method Blank	100	94	98	98

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-542194/8
Matrix: Water
Analysis Batch: 542194

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/26/20 19:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/26/20 19:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/26/20 19:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/26/20 19:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/26/20 19:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/26/20 19:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/26/20 19:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/26/20 19:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/26/20 19:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/26/20 19:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/26/20 19:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/26/20 19:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/26/20 19:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/26/20 19:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/26/20 19:50	1
2-Hexanone	ND		5.0	1.2	ug/L			07/26/20 19:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/26/20 19:50	1
Acetone	ND		10	3.0	ug/L			07/26/20 19:50	1
Benzene	ND		1.0	0.41	ug/L			07/26/20 19:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/26/20 19:50	1
Bromoform	ND		1.0	0.26	ug/L			07/26/20 19:50	1
Bromomethane	ND		1.0	0.69	ug/L			07/26/20 19:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/26/20 19:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/26/20 19:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/26/20 19:50	1
Chloroethane	ND		1.0	0.32	ug/L			07/26/20 19:50	1
Chloroform	ND		1.0	0.34	ug/L			07/26/20 19:50	1
Chloromethane	ND		1.0	0.35	ug/L			07/26/20 19:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/26/20 19:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/26/20 19:50	1
Cyclohexane	ND		1.0	0.18	ug/L			07/26/20 19:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/26/20 19:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/26/20 19:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/26/20 19:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/26/20 19:50	1
Methyl acetate	ND		2.5	1.3	ug/L			07/26/20 19:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/26/20 19:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/26/20 19:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/26/20 19:50	1
Styrene	ND		1.0	0.73	ug/L			07/26/20 19:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/26/20 19:50	1
Toluene	ND		1.0	0.51	ug/L			07/26/20 19:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/26/20 19:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/26/20 19:50	1
Trichloroethene	ND		1.0	0.46	ug/L			07/26/20 19:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/26/20 19:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/26/20 19:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/26/20 19:50	1

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

Lab Sample ID: MB 480-542194/8
Matrix: Water
Analysis Batch: 542194

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		07/26/20 19:50	1
4-Bromofluorobenzene (Surr)	94		73 - 120		07/26/20 19:50	1
Toluene-d8 (Surr)	98		80 - 120		07/26/20 19:50	1
Dibromofluoromethane (Surr)	98		75 - 123		07/26/20 19:50	1

Lab Sample ID: LCS 480-542194/5
Matrix: Water
Analysis Batch: 542194

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.2		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.2		ug/L		109	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.2		ug/L		113	61 - 148
1,1,2-Trichloroethane	25.0	26.9		ug/L		108	76 - 122
1,1-Dichloroethane	25.0	27.4		ug/L		110	77 - 120
1,1-Dichloroethene	25.0	27.7		ug/L		111	66 - 127
1,2,4-Trichlorobenzene	25.0	26.0		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.5		ug/L		110	56 - 134
1,2-Dibromoethane	25.0	27.0		ug/L		108	77 - 120
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	27.3		ug/L		109	76 - 120
1,3-Dichlorobenzene	25.0	26.5		ug/L		106	77 - 120
1,4-Dichlorobenzene	25.0	26.1		ug/L		104	80 - 120
2-Butanone (MEK)	125	140		ug/L		112	57 - 140
2-Hexanone	125	141		ug/L		113	65 - 127
4-Methyl-2-pentanone (MIBK)	125	138		ug/L		110	71 - 125
Acetone	125	130		ug/L		104	56 - 142
Benzene	25.0	26.7		ug/L		107	71 - 124
Bromodichloromethane	25.0	27.1		ug/L		109	80 - 122
Bromoform	25.0	27.7		ug/L		111	61 - 132
Bromomethane	25.0	27.4		ug/L		110	55 - 144
Carbon disulfide	25.0	28.5		ug/L		114	59 - 134
Carbon tetrachloride	25.0	27.1		ug/L		108	72 - 134
Chlorobenzene	25.0	26.8		ug/L		107	80 - 120
Chloroethane	25.0	25.1		ug/L		100	69 - 136
Chloroform	25.0	25.0		ug/L		100	73 - 127
Chloromethane	25.0	27.0		ug/L		108	68 - 124
cis-1,2-Dichloroethene	25.0	26.5		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	27.3		ug/L		109	74 - 124
Cyclohexane	25.0	29.1		ug/L		116	59 - 135
Dibromochloromethane	25.0	28.2		ug/L		113	75 - 125
Dichlorodifluoromethane	25.0	25.3		ug/L		101	59 - 135
Ethylbenzene	25.0	27.3		ug/L		109	77 - 123
Isopropylbenzene	25.0	28.2		ug/L		113	77 - 122
Methyl acetate	50.0	52.1		ug/L		104	74 - 133
Methyl tert-butyl ether	25.0	26.3		ug/L		105	77 - 120
Methylcyclohexane	25.0	27.8		ug/L		111	68 - 134

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

Lab Sample ID: LCS 480-542194/5
Matrix: Water
Analysis Batch: 542194

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	25.4		ug/L		102	75 - 124
Styrene	25.0	26.9		ug/L		108	80 - 120
Tetrachloroethene	25.0	26.7		ug/L		107	74 - 122
Toluene	25.0	27.3		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	27.2		ug/L		109	73 - 127
trans-1,3-Dichloropropene	25.0	27.8		ug/L		111	80 - 120
Trichloroethene	25.0	27.4		ug/L		110	74 - 123
Trichlorofluoromethane	25.0	25.9		ug/L		104	62 - 150
Vinyl chloride	25.0	26.3		ug/L		105	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 480-542091/1-A
Matrix: Water
Analysis Batch: 542105

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 542091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (1664A)	ND		5.0	1.9	mg/L		07/24/20 16:34	07/24/20 17:28	1

Lab Sample ID: LCS 480-542091/2-A
Matrix: Water
Analysis Batch: 542105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 542091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Petroleum Hydrocarbons (1664A)	20.0	13.50		mg/L		68	64 - 132

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-541677/1
Matrix: Water
Analysis Batch: 541677

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			07/22/20 20:02	1

Lab Sample ID: LCS 480-541677/2
Matrix: Water
Analysis Batch: 541677

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	250	243.6		mg/L		97	88 - 110

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: 480-172684-1 DU
Matrix: Water
Analysis Batch: 541677

Client Sample ID: EFFLUENT
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	7.6			8.40		mg/L				10	10

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-541952/1
Matrix: Water
Analysis Batch: 541952

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.00	7.0		SU		101	99 - 101		

Definitions/Glossary

Client: AECOM
Job ID: 480-172684-1
Project/Site: Scott Figgie West of Plant 2

Qualifiers

GC/MS VOA

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

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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

QC Association Summary

Client: AECOM
Job ID: 480-172684-1
Project/Site: Scott Figgie West of Plant 2

GC/MS VOA

Analysis Batch: 542194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172684-1	EFFLUENT	Total/NA	Water	8260C	
480-172684-2	INFLUENT	Total/NA	Water	8260C	
480-172684-3	Trip Blank	Total/NA	Water	8260C	
MB 480-542194/8	Method Blank	Total/NA	Water	8260C	
LCS 480-542194/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 541677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172684-1	EFFLUENT	Total/NA	Water	SM 2540D	
480-172684-2	INFLUENT	Total/NA	Water	SM 2540D	
MB 480-541677/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-541677/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-172684-1 DU	EFFLUENT	Total/NA	Water	SM 2540D	

Analysis Batch: 541952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172684-1	EFFLUENT	Total/NA	Water	SM 4500 H+ B	
480-172684-2	INFLUENT	Total/NA	Water	SM 4500 H+ B	
LCS 480-541952/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Prep Batch: 542091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172684-1	EFFLUENT	Total/NA	Water	1664B	
480-172684-2	INFLUENT	Total/NA	Water	1664B	
MB 480-542091/1-A	Method Blank	Total/NA	Water	1664B	
LCS 480-542091/2-A	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 542105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172684-1	EFFLUENT	Total/NA	Water	1664B	542091
480-172684-2	INFLUENT	Total/NA	Water	1664B	542091
MB 480-542091/1-A	Method Blank	Total/NA	Water	1664B	542091
LCS 480-542091/2-A	Lab Control Sample	Total/NA	Water	1664B	542091

Lab Chronicle

Client: AECOM
Job ID: 480-172684-1
Project/Site: Scott Figgie West of Plant 2

Client Sample ID: EFFLUENT
Lab Sample ID: 480-172684-1
Date Collected: 07/21/20 06:00
Matrix: Water
Date Received: 07/21/20 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	542194	07/27/20 03:02	OMI	TAL BUF
Total/NA	Prep	1664B			542091	07/24/20 16:34	T1S	TAL BUF
Total/NA	Analysis	1664B		1	542105	07/24/20 17:28	T1S	TAL BUF
Total/NA	Analysis	SM 2540D		1	541677	07/22/20 20:02	E1T	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	541952	07/23/20 15:49	BEF	TAL BUF

Client Sample ID: INFLUENT
Lab Sample ID: 480-172684-2
Date Collected: 07/21/20 06:00
Matrix: Water
Date Received: 07/21/20 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	542194	07/27/20 03:25	OMI	TAL BUF
Total/NA	Prep	1664B			542091	07/24/20 16:34	T1S	TAL BUF
Total/NA	Analysis	1664B		1	542105	07/24/20 17:28	T1S	TAL BUF
Total/NA	Analysis	SM 2540D		1	541677	07/22/20 20:02	E1T	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	541952	07/23/20 15:44	BEF	TAL BUF

Client Sample ID: Trip Blank
Lab Sample ID: 480-172684-3
Date Collected: 07/21/20 06:00
Matrix: Water
Date Received: 07/21/20 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	542194	07/27/20 03:48	OMI	TAL BUF

Laboratory References:
TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: AECOM
Job ID: 480-172684-1
Project/Site: Scott Figgie West of Plant 2

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

Method 8260C

Volatile Organic Compounds (GC/MS) by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (20) ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
EFFLUENT	480-172684-1	98	101	102	95
INFLUENT	480-172684-2	100	102	101	95
Trip Blank	480-172684-3	97	100	101	94
	MB 480-542194/8	98	100	98	94
	LCS 480-542194/5	99	100	101	100

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D34410.D

Lab ID: LCS 480-542194/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.2	109	73-126	
1,1,2,2-Tetrachloroethane	25.0	27.2	109	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.2	113	61-148	
1,1,2-Trichloroethane	25.0	26.9	108	76-122	
1,1-Dichloroethane	25.0	27.4	110	77-120	
1,1-Dichloroethene	25.0	27.7	111	66-127	
1,2,4-Trichlorobenzene	25.0	26.0	104	79-122	
1,2-Dibromo-3-Chloropropane	25.0	27.5	110	56-134	
1,2-Dibromoethane	25.0	27.0	108	77-120	
1,2-Dichlorobenzene	25.0	26.2	105	80-124	
1,2-Dichloroethane	25.0	25.5	102	75-120	
1,2-Dichloropropane	25.0	27.3	109	76-120	
1,3-Dichlorobenzene	25.0	26.5	106	77-120	
1,4-Dichlorobenzene	25.0	26.1	104	80-120	
2-Butanone (MEK)	125	140	112	57-140	
2-Hexanone	125	141	113	65-127	
4-Methyl-2-pentanone (MIBK)	125	138	110	71-125	
Acetone	125	130	104	56-142	
Benzene	25.0	26.7	107	71-124	
Bromodichloromethane	25.0	27.1	109	80-122	
Bromoform	25.0	27.7	111	61-132	
Bromomethane	25.0	27.4	110	55-144	
Carbon disulfide	25.0	28.5	114	59-134	
Carbon tetrachloride	25.0	27.1	108	72-134	
Chlorobenzene	25.0	26.8	107	80-120	
Chloroethane	25.0	25.1	100	69-136	
Chloroform	25.0	25.0	100	73-127	
Chloromethane	25.0	27.0	108	68-124	
cis-1,2-Dichloroethene	25.0	26.5	106	74-124	
cis-1,3-Dichloropropene	25.0	27.3	109	74-124	
Cyclohexane	25.0	29.1	116	59-135	
Dibromochloromethane	25.0	28.2	113	75-125	
Dichlorodifluoromethane	25.0	25.3	101	59-135	
Ethylbenzene	25.0	27.3	109	77-123	
Isopropylbenzene	25.0	28.2	113	77-122	
Methyl acetate	50.0	52.1	104	74-133	
Methyl tert-butyl ether	25.0	26.3	105	77-120	
Methylcyclohexane	25.0	27.8	111	68-134	
Methylene Chloride	25.0	25.4	102	75-124	
Styrene	25.0	26.9	108	80-120	
Tetrachloroethene	25.0	26.7	107	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D34410.D

Lab ID: LCS 480-542194/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	27.3	109	80-122	
trans-1,2-Dichloroethene	25.0	27.2	109	73-127	
trans-1,3-Dichloropropene	25.0	27.8	111	80-120	
Trichloroethene	25.0	27.4	110	74-123	
Trichlorofluoromethane	25.0	25.9	104	62-150	
Vinyl chloride	25.0	26.3	105	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Lab File ID: D34413.D Lab Sample ID: MB 480-542194/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5975D Date Analyzed: 07/26/2020 19:50

GC Column: ZB-624 (20) ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-542194/5	D34410.D	07/26/2020 18:40
EFFLUENT	480-172684-1	D34429.D	07/27/2020 03:02
INFLUENT	480-172684-2	D34430.D	07/27/2020 03:25
Trip Blank	480-172684-3	D34431.D	07/27/2020 03:48

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Lab File ID: D34097.D BFB Injection Date: 07/16/2020

Instrument ID: HP5975D BFB Injection Time: 13:55

Analysis Batch No.: 540684

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.0	
75	30.0 - 60.0 % of mass 95	49.5	
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	0.2	(0.2) 1
174	50.0 - 120.00 % of mass 95	87.7	
175	5.0 - 9.0 % of mass 174	6.8	(7.7) 1
176	95.0 - 101.0 % of mass 174	85.5	(97.4) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.4) 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 480-540684/7	D34099.D	07/16/2020	14:45
	IC 480-540684/8	D34100.D	07/16/2020	15:09
	IC 480-540684/9	D34101.D	07/16/2020	15:32
	IC 480-540684/10	D34102.D	07/16/2020	15:55
	IC 480-540684/11	D34103.D	07/16/2020	16:18
	ICIS 480-540684/12	D34104.D	07/16/2020	16:41
	IC 480-540684/13	D34105.D	07/16/2020	17:05
	IC 480-540684/14	D34106.D	07/16/2020	17:28
	ICV 480-540684/28	D34120.D	07/16/2020	22:50

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Lab File ID: D34407.D BFB Injection Date: 07/26/2020

Instrument ID: HP5975D BFB Injection Time: 17:27

Analysis Batch No.: 542194

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.6	
75	30.0 - 60.0 % of mass 95	49.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	50.0 - 120.00 % of mass 95	88.2	
175	5.0 - 9.0 % of mass 174	6.6	(7.5) 1
176	95.0 - 101.0 % of mass 174	84.8	(96.1) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.5) 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
	CCVIS 480-542194/3	D34408.D	07/26/2020	17:53
	LCS 480-542194/5	D34410.D	07/26/2020	18:40
	MB 480-542194/8	D34413.D	07/26/2020	19:50
EFFLUENT	480-172684-1	D34429.D	07/27/2020	3:02
INFLUENT	480-172684-2	D34430.D	07/27/2020	3:25
Trip Blank	480-172684-3	D34431.D	07/27/2020	3:48

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Sample No.: ICIS 480-540684/12 Date Analyzed: 07/16/2020 16:41

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): D34104.D Heated Purge: (Y/N) N

Calibration ID: 39975

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		147166	5.43	317491	7.82	360814	9.74
UPPER LIMIT		294332	5.93	634982	8.32	721628	10.24
LOWER LIMIT		73583	4.93	158746	7.32	180407	9.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-540684/28		145511	5.43	315755	7.82	355384	9.74
CCVIS 480-542194/3		137677	5.43	293917	7.82	323073	9.74

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Sample No.: CCVIS 480-542194/3 Date Analyzed: 07/26/2020 17:53

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): D34408.D Heated Purge: (Y/N) N

Calibration ID: 39981

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		137677	5.43	293917	7.82	323073	9.74
UPPER LIMIT		275354	5.93	587834	8.32	646146	10.24
LOWER LIMIT		68839	4.93	146959	7.32	161537	9.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-542194/5		138475	5.43	296161	7.82	325705	9.74
MB 480-542194/8		136348	5.43	288587	7.82	295303	9.74
480-172684-1	EFFLUENT	130779	5.44	269331	7.82	276095	9.74
480-172684-2	INFLUENT	130557	5.44	275960	7.82	288231	9.74
480-172684-3	Trip Blank	131600	5.44	275585	7.82	285630	9.74

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-172684-1

Matrix: Water Lab File ID: D34429.D

Analysis Method: 8260C Date Collected: 07/21/2020 06:00

Sample wt/vol: 5(mL) Date Analyzed: 07/27/2020 03:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 542194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Client Sample ID: EFFLUENT Lab Sample ID: 480-172684-1

Matrix: Water Lab File ID: D34429.D

Analysis Method: 8260C Date Collected: 07/21/2020 06:00

Sample wt/vol: 5(mL) Date Analyzed: 07/27/2020 03:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 542194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
2037-26-5	Toluene-d8 (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34429.D
Lims ID: 480-172684-E-1
Client ID: EFFLUENT
Sample Type: Client
Inject. Date: 27-Jul-2020 03:02:30 ALS Bottle#: 16 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-172684-E-1
Misc. Info.: 480-0092336-024
Operator ID: CDC Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jul-2020 14:15:54 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1057

First Level Reviewer: izquierdoo Date: 27-Jul-2020 14:15:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.434	0.006	98	130779	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	87	269331	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	96	276095	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.946	0.006	92	195389	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.215	5.215	-0.001	99	116593	25.2	
$ 5 Toluene-d8 (Surr)	98	6.653	6.647	0.006	95	647712	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.775	0.006	92	220108	23.8	
10 Dichlorodifluoromethane	85		1.453				ND	
12 Chloromethane	50		1.660				ND	U
13 Vinyl chloride	62		1.770				ND	
14 Bromomethane	94		2.148				ND	
15 Chloroethane	64		2.233				ND	
17 Trichlorofluoromethane	101		2.477				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.977				ND	
22 1,1-Dichloroethene	96		2.995				ND	
23 Acetone	43	3.093	3.087	0.006	97	6453	2.58	
26 Carbon disulfide	76		3.203				ND	
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.507				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.062				ND	
45 cis-1,2-Dichloroethene	96		4.550				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83		4.812				ND	
51 1,1,1-Trichloroethane	97		4.916				ND	
52 Cyclohexane	56		4.922				ND	
55 Carbon tetrachloride	117		5.032				ND	
57 Benzene	78		5.214				ND	
58 1,2-Dichloroethane	62		5.269				ND	
62 Trichloroethene	95		5.714				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.812				ND	
65 1,2-Dichloropropane	63		5.915				ND	
68 Dichlorobromomethane	83		6.141				ND	
72 cis-1,3-Dichloropropene	75		6.470				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.568				ND	U
74 Toluene	92		6.702				ND	
77 trans-1,3-Dichloropropene	75		6.909				ND	
79 1,1,2-Trichloroethane	83		7.068				ND	
81 Tetrachloroethene	166		7.123				ND	
80 2-Hexanone	43		7.220				ND	
83 Chlorodibromomethane	129		7.391				ND	
84 Ethylene Dibromide	107		7.482				ND	
87 Chlorobenzene	112		7.842				ND	
88 Ethylbenzene	91		7.891				ND	
90 m-Xylene & p-Xylene	106		7.982				ND	
91 o-Xylene	106		8.317				ND	
92 Styrene	104		8.342				ND	
95 Bromoform	173		8.555				ND	
94 Isopropylbenzene	105		8.604				ND	
97 1,1,2,2-Tetrachloroethane	83		8.921				ND	
111 1,3-Dichlorobenzene	146		9.689				ND	
113 1,4-Dichlorobenzene	146		9.762				ND	
116 1,2-Dichlorobenzene	146		10.092				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.780				ND	
119 1,2,4-Trichlorobenzene	180		11.421				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00018 Amount Added: 1.00 Units: uL Run Reagent

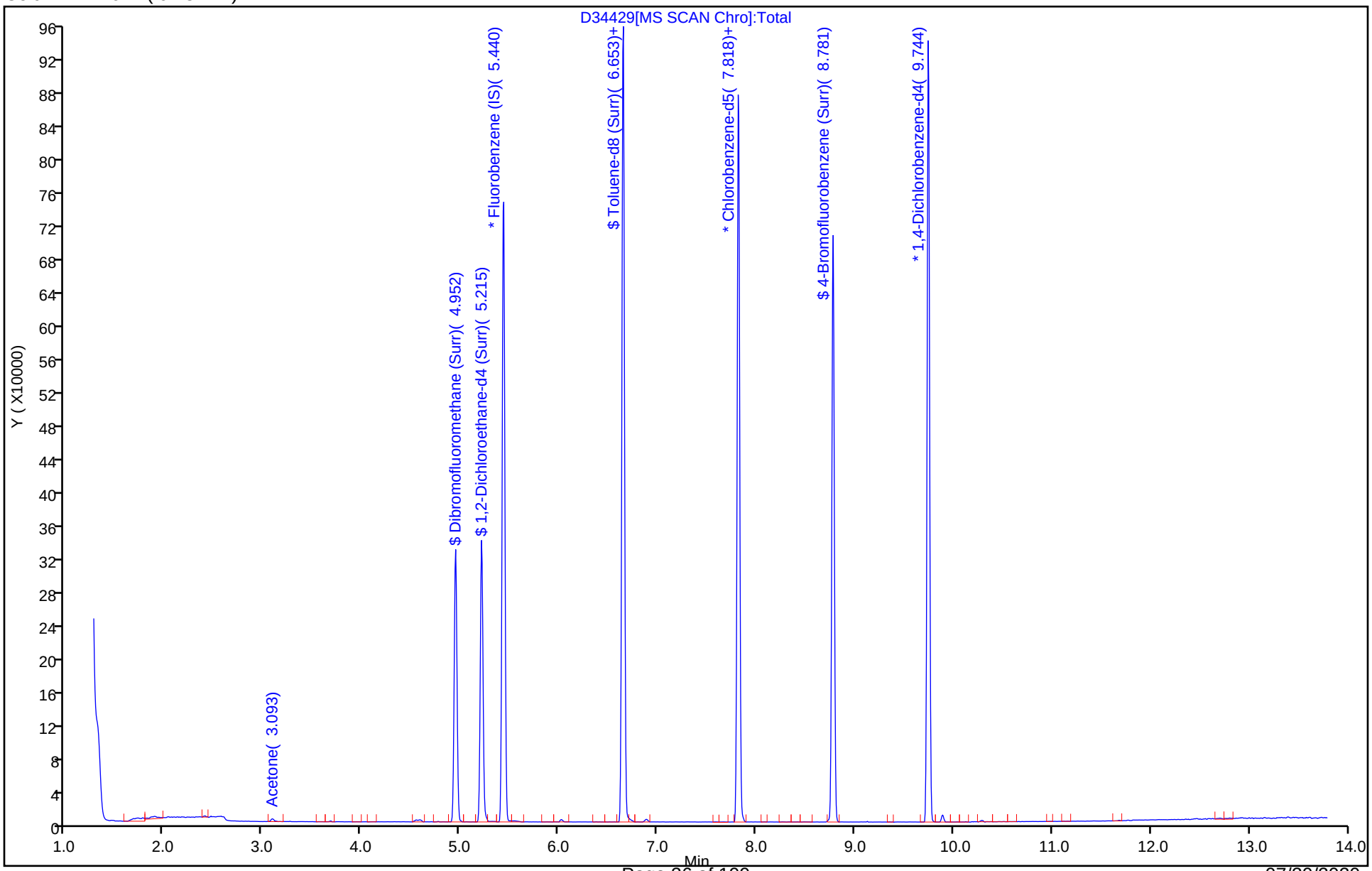
Report Date: 27-Jul-2020 14:15:54 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34429.D

Injection Date:	27-Jul-2020 03:02:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	480-172684-E-1	Lab Sample ID:	480-172684-1	Worklist Smp#:	24
Client ID:	EFFLUENT				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



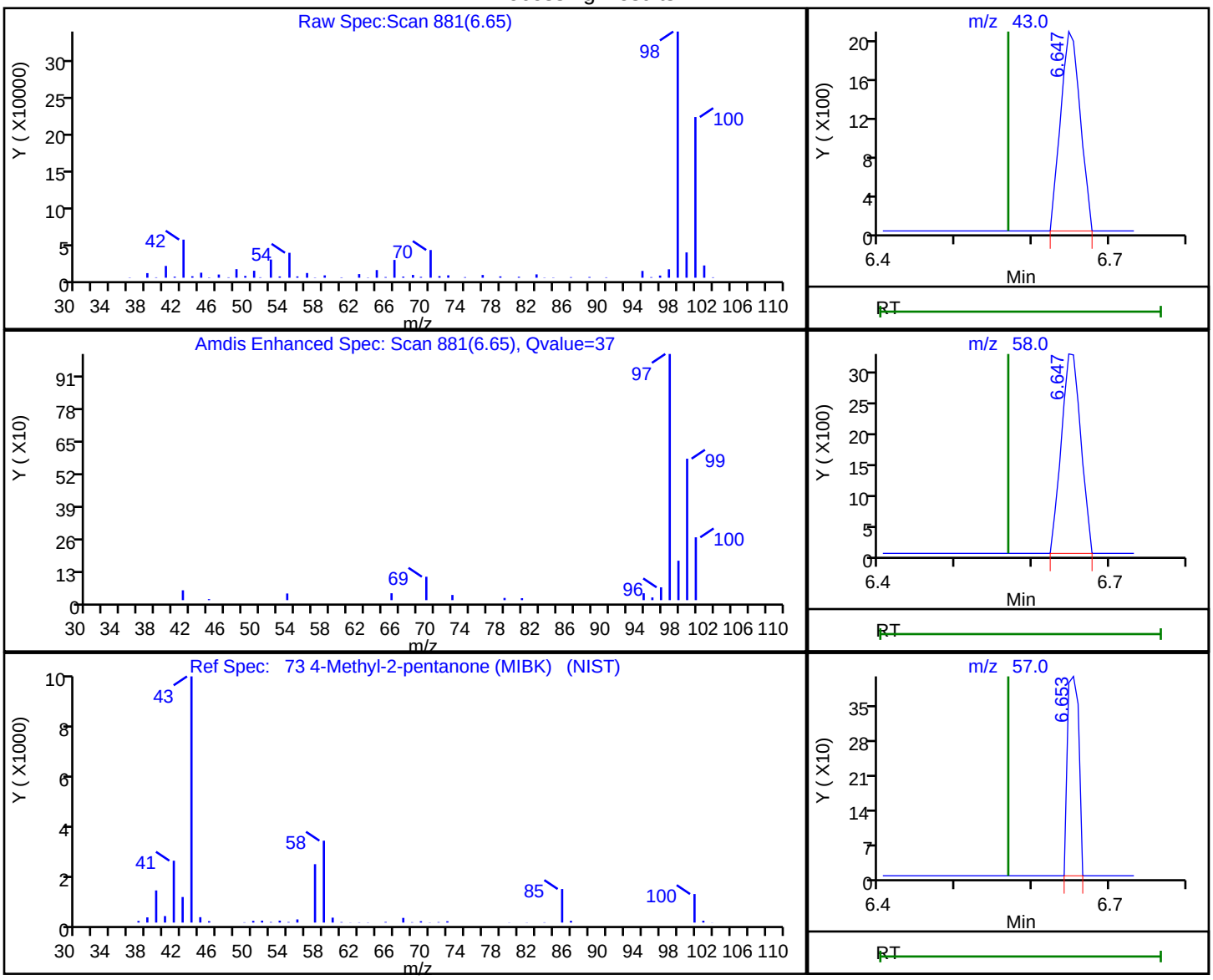
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34429.D				
Injection Date:	27-Jul-2020 03:02:30	Instrument ID:	HP5975D		
Lims ID:	480-172684-E-1	Lab Sample ID:	480-172684-1		
Client ID:	EFFLUENT				
Operator ID:	CDC	ALS Bottle#:	16	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.65	43.00	3613	0.433389
6.65	58.00	5688	
6.65	57.00	420	

Reviewer: izquierdoo, 27-Jul-2020 14:15:45

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

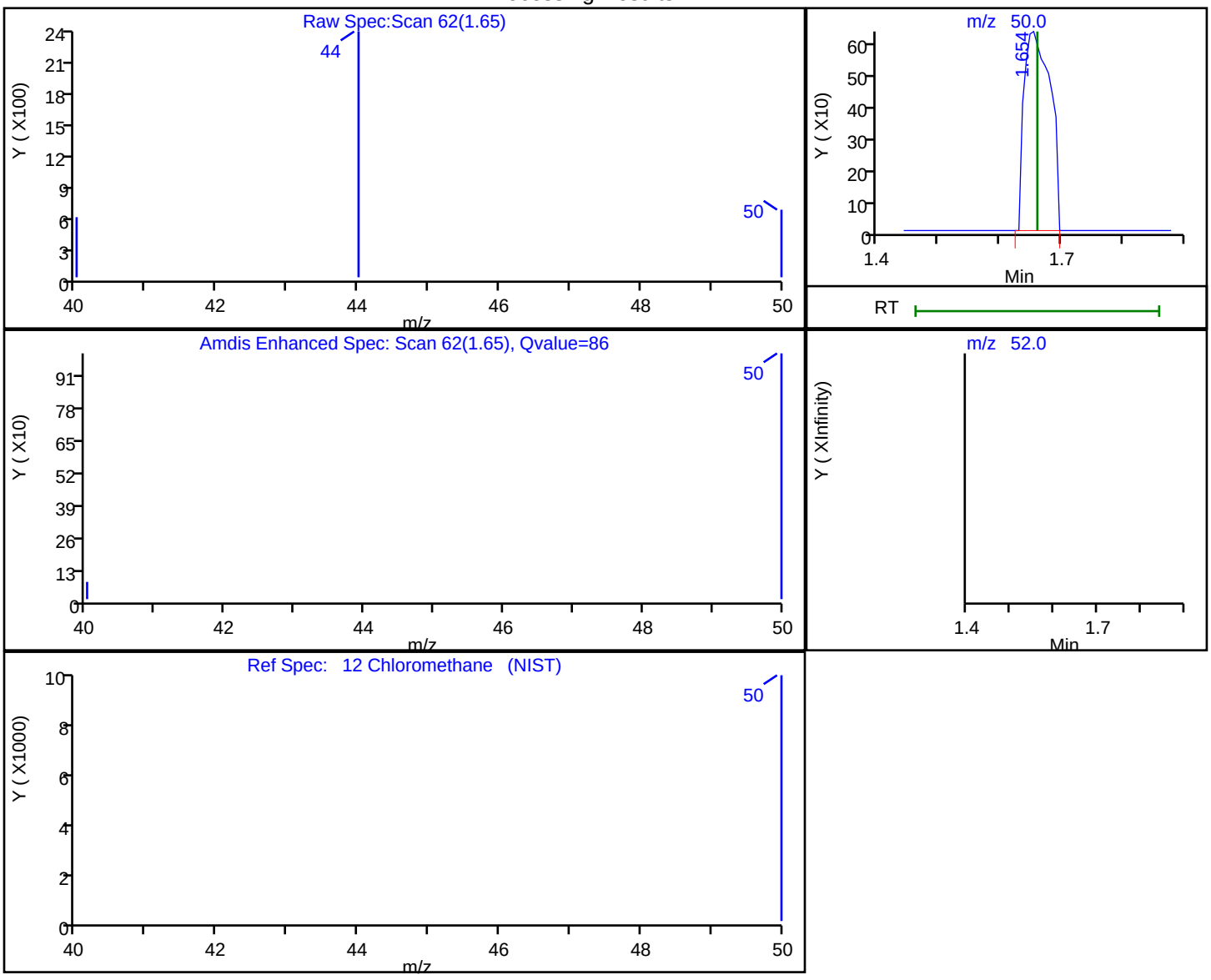
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34429.D				
Injection Date:	27-Jul-2020 03:02:30	Instrument ID:	HP5975D		
Lims ID:	480-172684-E-1	Lab Sample ID:	480-172684-1		
Client ID:	EFFLUENT				
Operator ID:	CDC	ALS Bottle#:	16	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.65	50.00	1893	0.180320
1.66	52.00	0	

Reviewer: izquierdoo, 27-Jul-2020 14:15:43

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Client Sample ID: INFLUENT Lab Sample ID: 480-172684-2

Matrix: Water Lab File ID: D34430.D

Analysis Method: 8260C Date Collected: 07/21/2020 06:00

Sample wt/vol: 5(mL) Date Analyzed: 07/27/2020 03:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 542194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	3.9	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	2.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Client Sample ID: INFLUENT Lab Sample ID: 480-172684-2

Matrix: Water Lab File ID: D34430.D

Analysis Method: 8260C Date Collected: 07/21/2020 06:00

Sample wt/vol: 5(mL) Date Analyzed: 07/27/2020 03:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 542194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34430.D
Lims ID: 480-172684-E-2
Client ID: INFLUENT
Sample Type: Client
Inject. Date: 27-Jul-2020 03:25:30 ALS Bottle#: 17 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-172684-E-2
Misc. Info.: 480-0092336-025
Operator ID: CDC Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jul-2020 14:16:27 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1057

First Level Reviewer: izquierdoo Date: 27-Jul-2020 14:16:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.434	0.006	98	130557	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	87	275960	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	96	288231	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.946	0.006	92	198193	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.215	5.215	0.000	99	117957	25.5	
$ 5 Toluene-d8 (Surr)	98	6.653	6.647	0.006	95	657265	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.775	0.006	93	224204	23.7	
10 Dichlorodifluoromethane	85		1.453				ND	
12 Chloromethane	50	1.654	1.660	-0.006	94	2566	0.2448	
13 Vinyl chloride	62		1.770				ND	
14 Bromomethane	94		2.148				ND	
15 Chloroethane	64		2.233				ND	U
17 Trichlorofluoromethane	101		2.477				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.977				ND	
22 1,1-Dichloroethene	96		2.995				ND	
23 Acetone	43	3.093	3.087	0.006	97	9632	3.85	
26 Carbon disulfide	76		3.203				ND	
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.507				ND	
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.062				ND	
45 cis-1,2-Dichloroethene	96	4.556	4.550	0.006	82	15973	2.16	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83		4.812				ND	
51 1,1,1-Trichloroethane	97		4.916				ND	
52 Cyclohexane	56		4.922				ND	
55 Carbon tetrachloride	117		5.032				ND	
57 Benzene	78		5.214				ND	
58 1,2-Dichloroethane	62		5.269				ND	
62 Trichloroethene	95		5.714				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.812				ND	
65 1,2-Dichloropropane	63		5.915				ND	
68 Dichlorobromomethane	83		6.141				ND	
72 cis-1,3-Dichloropropene	75		6.470				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.568				ND	U
74 Toluene	92		6.702				ND	
77 trans-1,3-Dichloropropene	75		6.909				ND	
79 1,1,2-Trichloroethane	83		7.068				ND	
81 Tetrachloroethene	166		7.123				ND	
80 2-Hexanone	43		7.220				ND	
83 Chlorodibromomethane	129		7.391				ND	
84 Ethylene Dibromide	107		7.482				ND	
87 Chlorobenzene	112		7.842				ND	
88 Ethylbenzene	91		7.891				ND	
90 m-Xylene & p-Xylene	106		7.982				ND	
91 o-Xylene	106		8.317				ND	
92 Styrene	104		8.342				ND	
95 Bromoform	173		8.555				ND	
94 Isopropylbenzene	105		8.604				ND	
97 1,1,2,2-Tetrachloroethane	83		8.921				ND	
111 1,3-Dichlorobenzene	146		9.689				ND	
113 1,4-Dichlorobenzene	146		9.762				ND	
116 1,2-Dichlorobenzene	146		10.092				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.780				ND	
119 1,2,4-Trichlorobenzene	180		11.421				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00018 Amount Added: 1.00 Units: uL Run Reagent

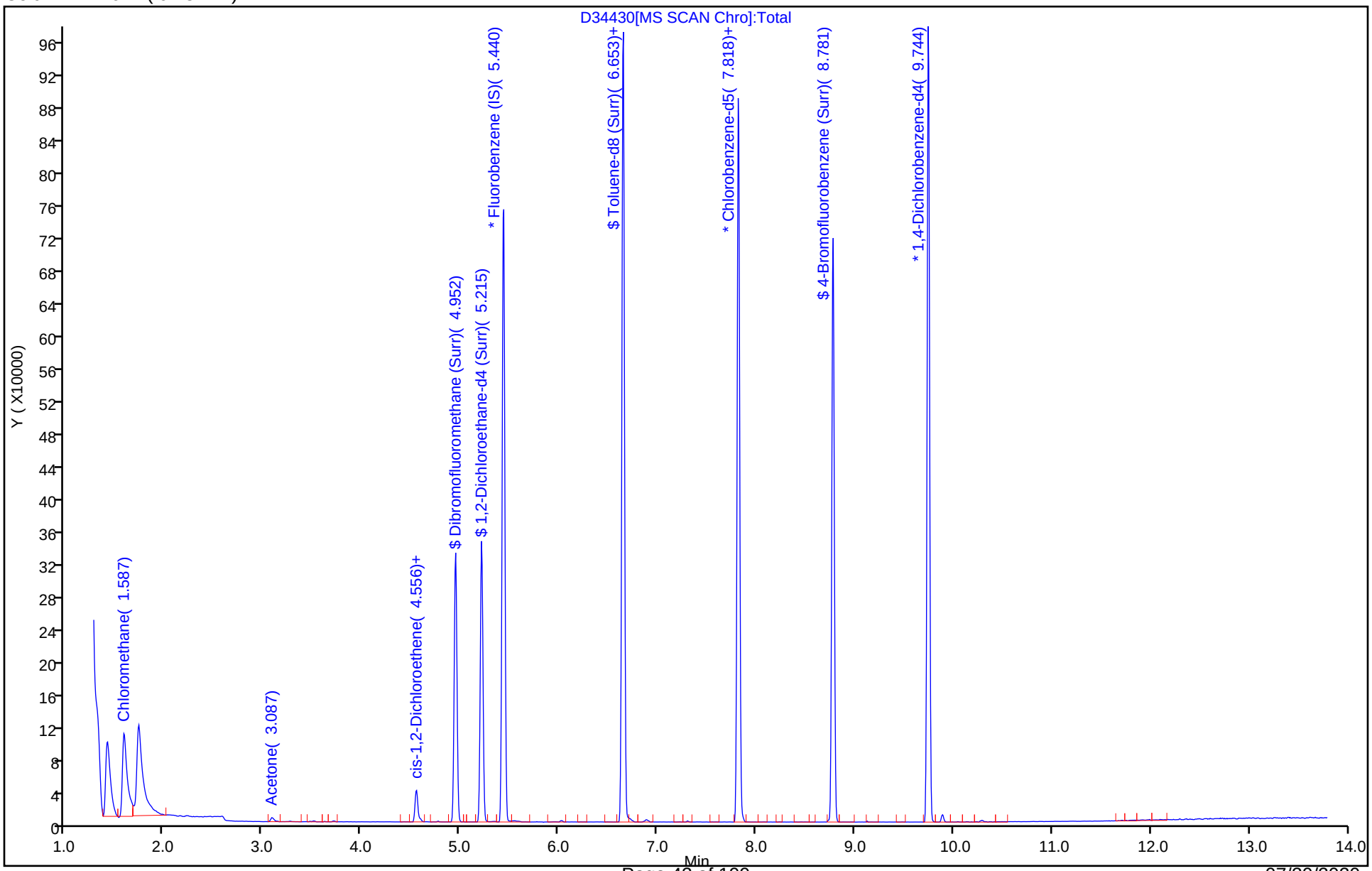
Report Date: 27-Jul-2020 14:16:27 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34430.D

Injection Date:	27-Jul-2020 03:25:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	480-172684-E-2	Lab Sample ID:	480-172684-2	Worklist Smp#:	25
Client ID:	INFLUENT				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

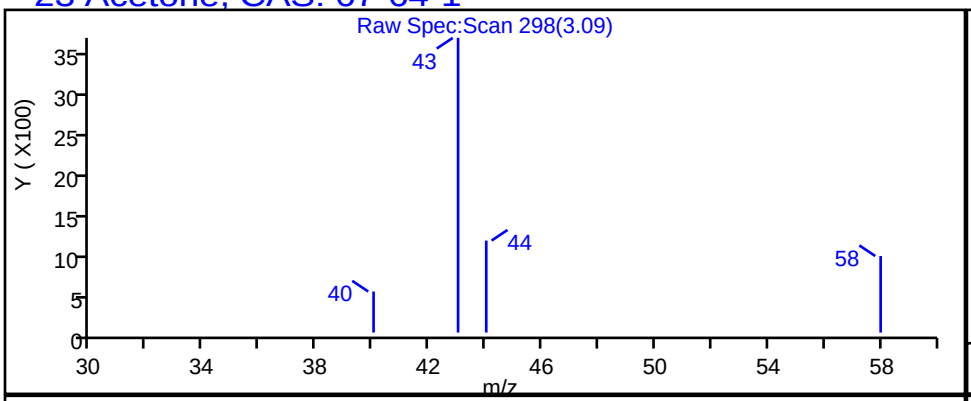
Column: ZB-624 (0.18 mm)

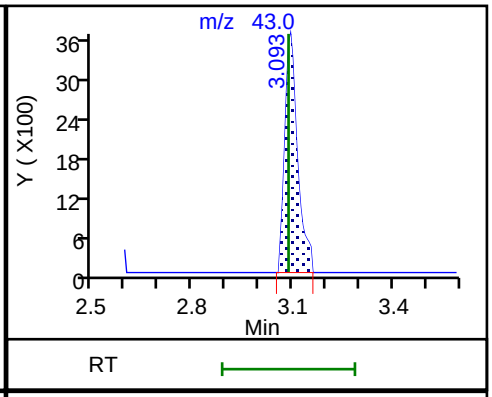


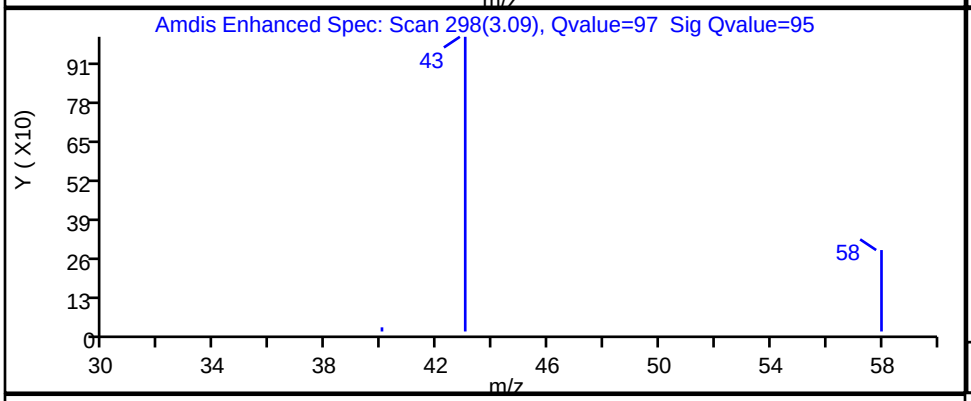
Eurofins TestAmerica, Buffalo

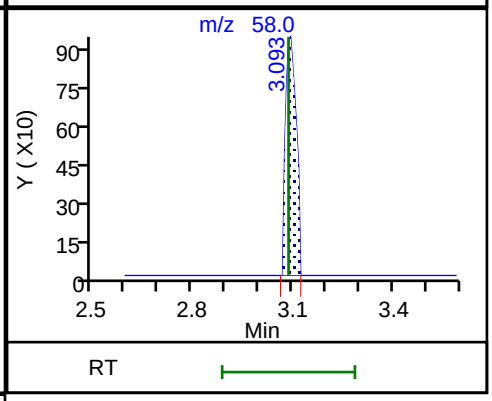
Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34430.D				
Injection Date:	27-Jul-2020 03:25:30	Instrument ID:	HP5975D		
Lims ID:	480-172684-E-2	Lab Sample ID:	480-172684-2		
Client ID:	INFLUENT				
Operator ID:	CDC	ALS Bottle#:	17	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

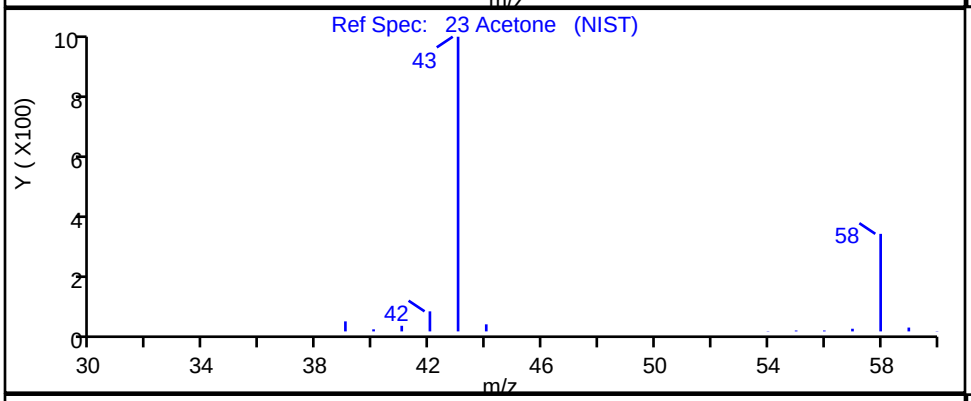
23 Acetone, CAS: 67-64-1

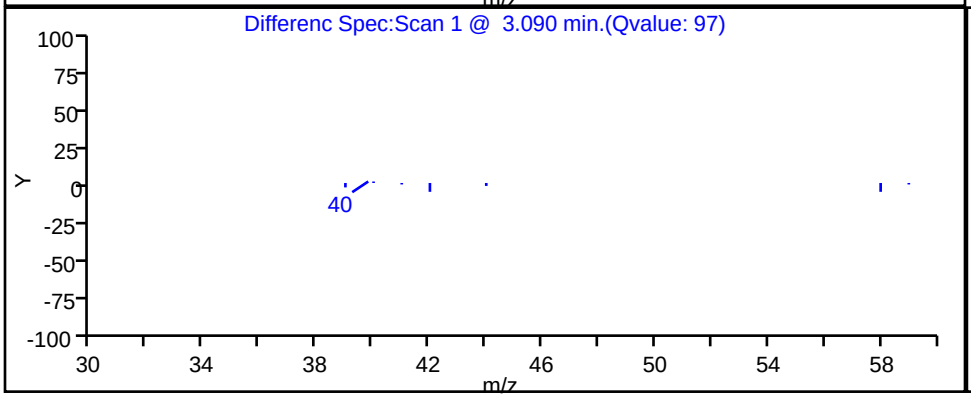


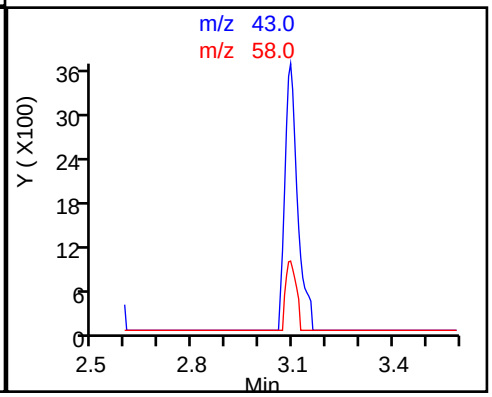










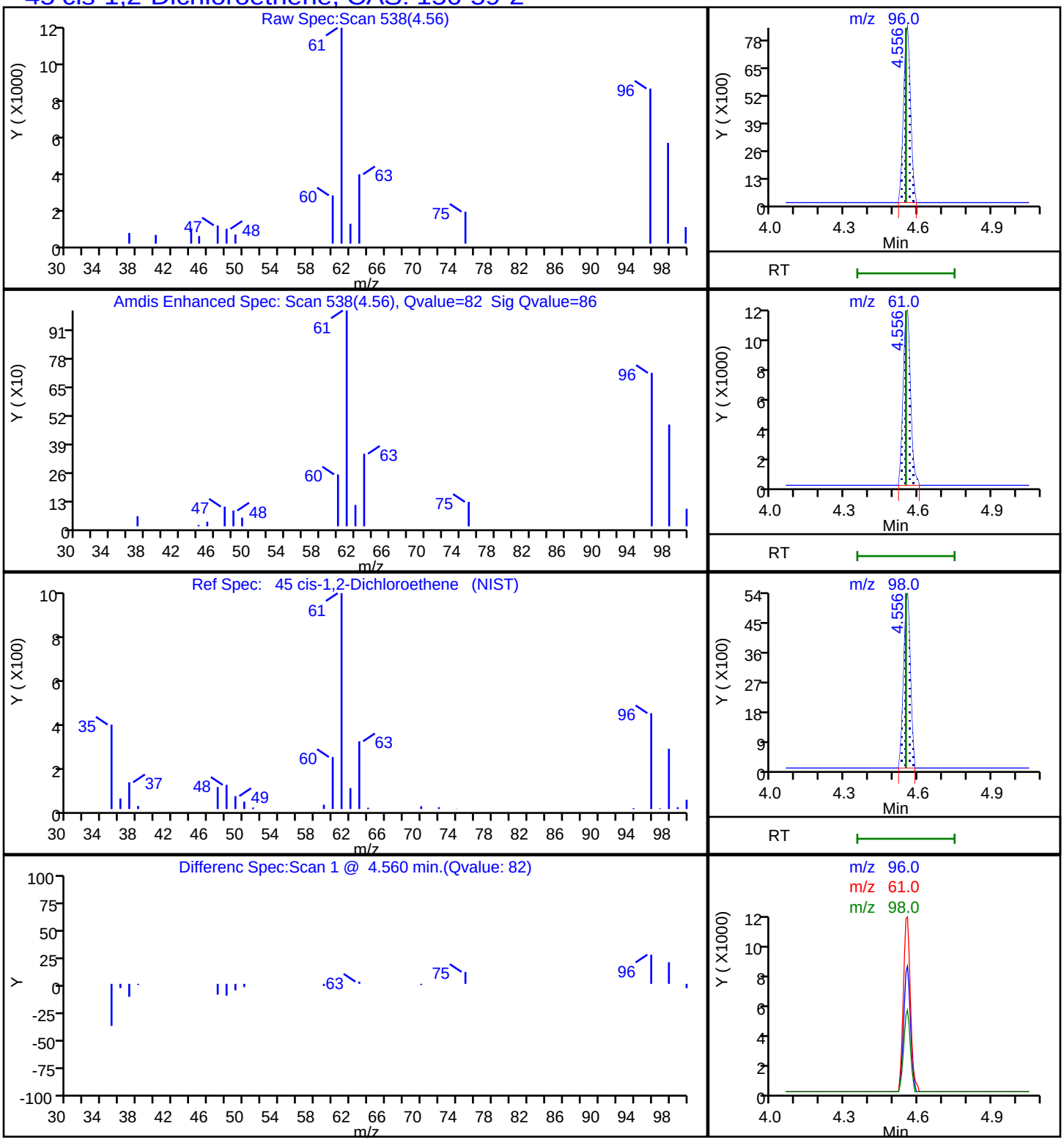


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34430.D

Injection Date:	27-Jul-2020 03:25:30	Instrument ID:	HP5975D		
Lims ID:	480-172684-E-2	Lab Sample ID:	480-172684-2		
Client ID:	INFLUENT				
Operator ID:	CDC	ALS Bottle#:	17	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

45 cis-1,2-Dichloroethene, CAS: 156-59-2



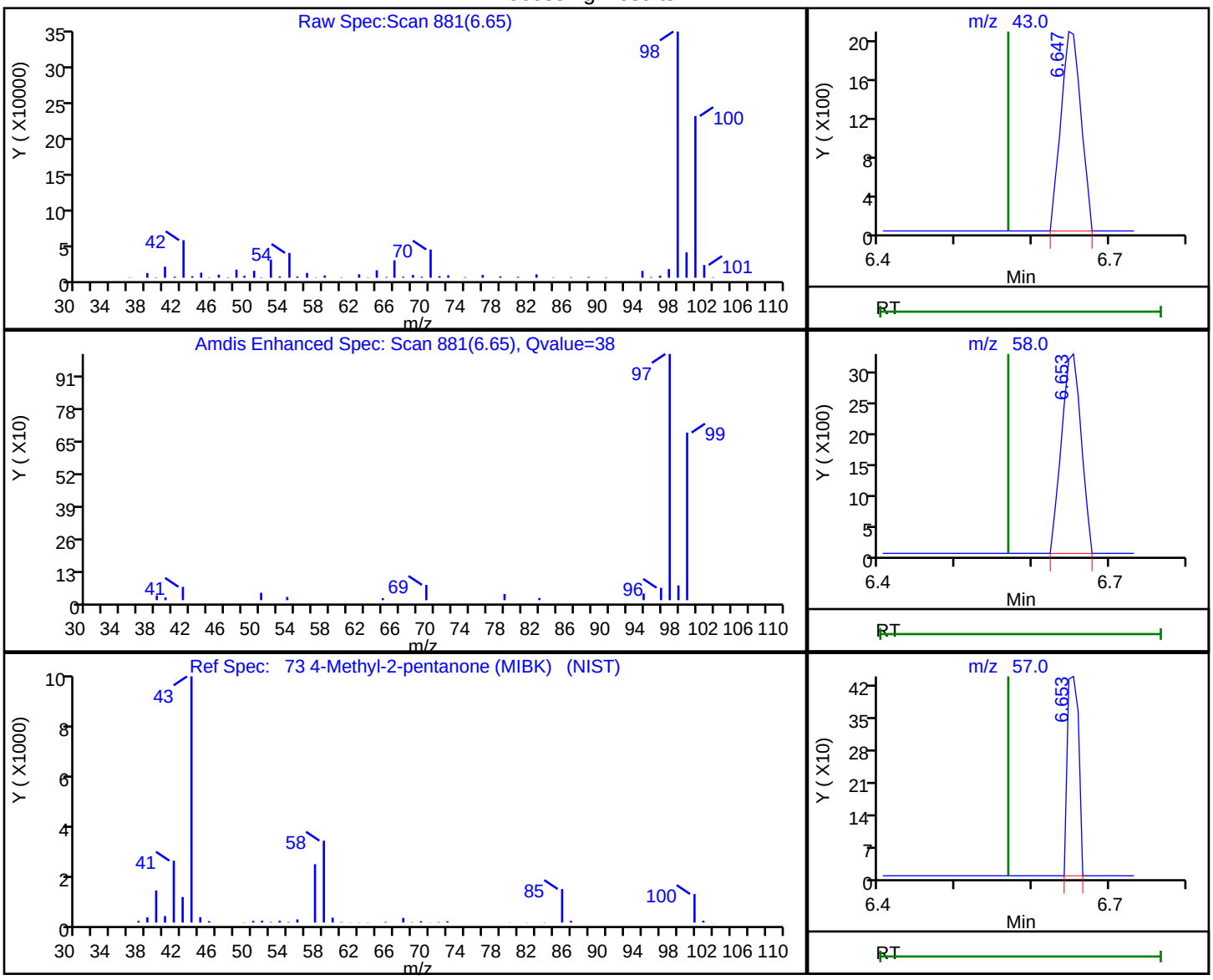
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34430.D				
Injection Date:	27-Jul-2020 03:25:30	Instrument ID:	HP5975D		
Lims ID:	480-172684-E-2	Lab Sample ID:	480-172684-2		
Client ID:	INFLUENT				
Operator ID:	CDC	ALS Bottle#:	17	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.65	43.00	3767	0.441007
6.65	58.00	5747	
6.65	57.00	450	

Reviewer: izquierdoo, 27-Jul-2020 14:16:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

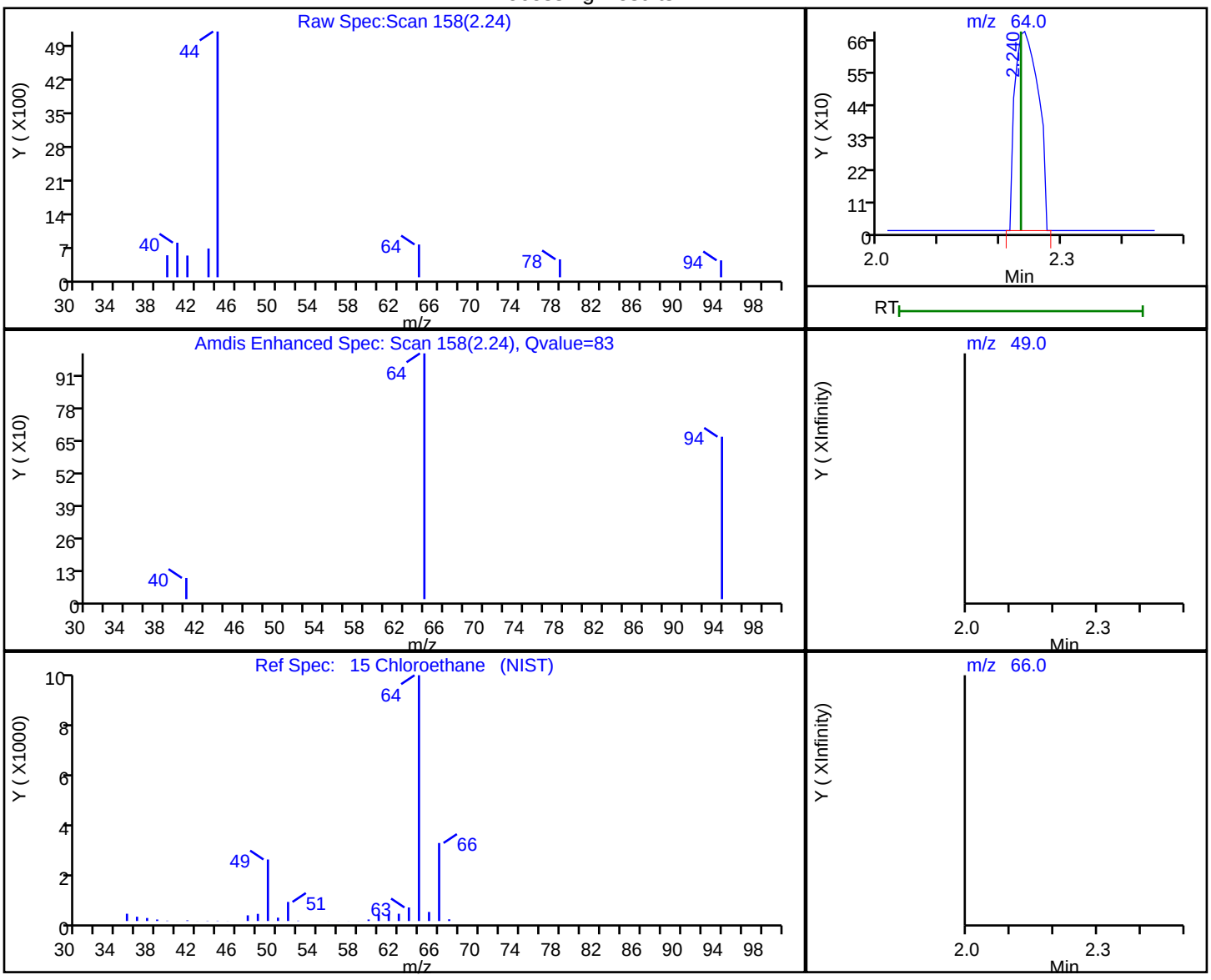
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34430.D				
Injection Date:	27-Jul-2020 03:25:30	Instrument ID:	HP5975D		
Lims ID:	480-172684-E-2	Lab Sample ID:	480-172684-2		
Client ID:	INFLUENT				
Operator ID:	CDC	ALS Bottle#:	17	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

15 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
2.24	64.00	1830	0.334136
2.23	49.00	0	
2.23	66.00	0	

Reviewer: izquierdoo, 27-Jul-2020 14:16:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 480-172684-3

Matrix: Water Lab File ID: D34431.D

Analysis Method: 8260C Date Collected: 07/21/2020 06:00

Sample wt/vol: 5(mL) Date Analyzed: 07/27/2020 03:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 542194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 480-172684-3

Matrix: Water Lab File ID: D34431.D

Analysis Method: 8260C Date Collected: 07/21/2020 06:00

Sample wt/vol: 5(mL) Date Analyzed: 07/27/2020 03:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 542194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34431.D
Lims ID: 480-172684-A-3
Client ID: Trip Blank
Sample Type: Client
Inject. Date: 27-Jul-2020 03:48:30 ALS Bottle#: 18 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-172684-A-3
Misc. Info.: 480-0092336-026
Operator ID: CDC Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Jul-2020 14:16:45 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1057

First Level Reviewer: izquierdoo Date: 27-Jul-2020 14:16:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.440	5.434	0.006	98	131600	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	87	275585	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	96	285630	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.946	0.006	92	194674	24.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.215	5.215	0.000	99	116790	25.1	
$ 5 Toluene-d8 (Surr)	98	6.653	6.647	0.006	95	654878	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.775	0.006	92	222567	23.5	
10 Dichlorodifluoromethane	85		1.453				ND	
12 Chloromethane	50		1.660				ND	
13 Vinyl chloride	62		1.770				ND	
14 Bromomethane	94		2.148				ND	
15 Chloroethane	64		2.233				ND	
17 Trichlorofluoromethane	101		2.477				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.977				ND	
22 1,1-Dichloroethene	96		2.995				ND	
23 Acetone	43		3.087				ND	
26 Carbon disulfide	76		3.203				ND	
27 Methyl acetate	43		3.367				ND	
30 Methylene Chloride	84		3.507				ND	Ua
32 Methyl tert-butyl ether	73		3.654				ND	
34 trans-1,2-Dichloroethene	96		3.678				ND	
39 1,1-Dichloroethane	63		4.062				ND	
45 cis-1,2-Dichloroethene	96		4.550				ND	
43 2-Butanone (MEK)	43		4.568				ND	
50 Chloroform	83		4.812				ND	Ua
51 1,1,1-Trichloroethane	97		4.916				ND	
52 Cyclohexane	56		4.922				ND	
55 Carbon tetrachloride	117		5.032				ND	
57 Benzene	78		5.214				ND	
58 1,2-Dichloroethane	62		5.269				ND	
62 Trichloroethene	95		5.714				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.812				ND	
65 1,2-Dichloropropane	63		5.915				ND	
68 Dichlorobromomethane	83		6.141				ND	
72 cis-1,3-Dichloropropene	75		6.470				ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.568				ND	
74 Toluene	92		6.702				ND	
77 trans-1,3-Dichloropropene	75		6.909				ND	
79 1,1,2-Trichloroethane	83		7.068				ND	
81 Tetrachloroethene	166		7.123				ND	
80 2-Hexanone	43		7.220				ND	
83 Chlorodibromomethane	129		7.391				ND	
84 Ethylene Dibromide	107		7.482				ND	
87 Chlorobenzene	112		7.842				ND	
88 Ethylbenzene	91		7.891				ND	
90 m-Xylene & p-Xylene	106		7.982				ND	
91 o-Xylene	106		8.317				ND	
92 Styrene	104		8.342				ND	
95 Bromoform	173		8.555				ND	
94 Isopropylbenzene	105		8.604				ND	
97 1,1,2,2-Tetrachloroethane	83		8.921				ND	
111 1,3-Dichlorobenzene	146		9.689				ND	
113 1,4-Dichlorobenzene	146		9.762				ND	
116 1,2-Dichlorobenzene	146		10.092				ND	
117 1,2-Dibromo-3-Chloropropane	75		10.780				ND	
119 1,2,4-Trichlorobenzene	180		11.421				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

D 8260 IS/SUR_00018 Amount Added: 1.00 Units: uL Run Reagent

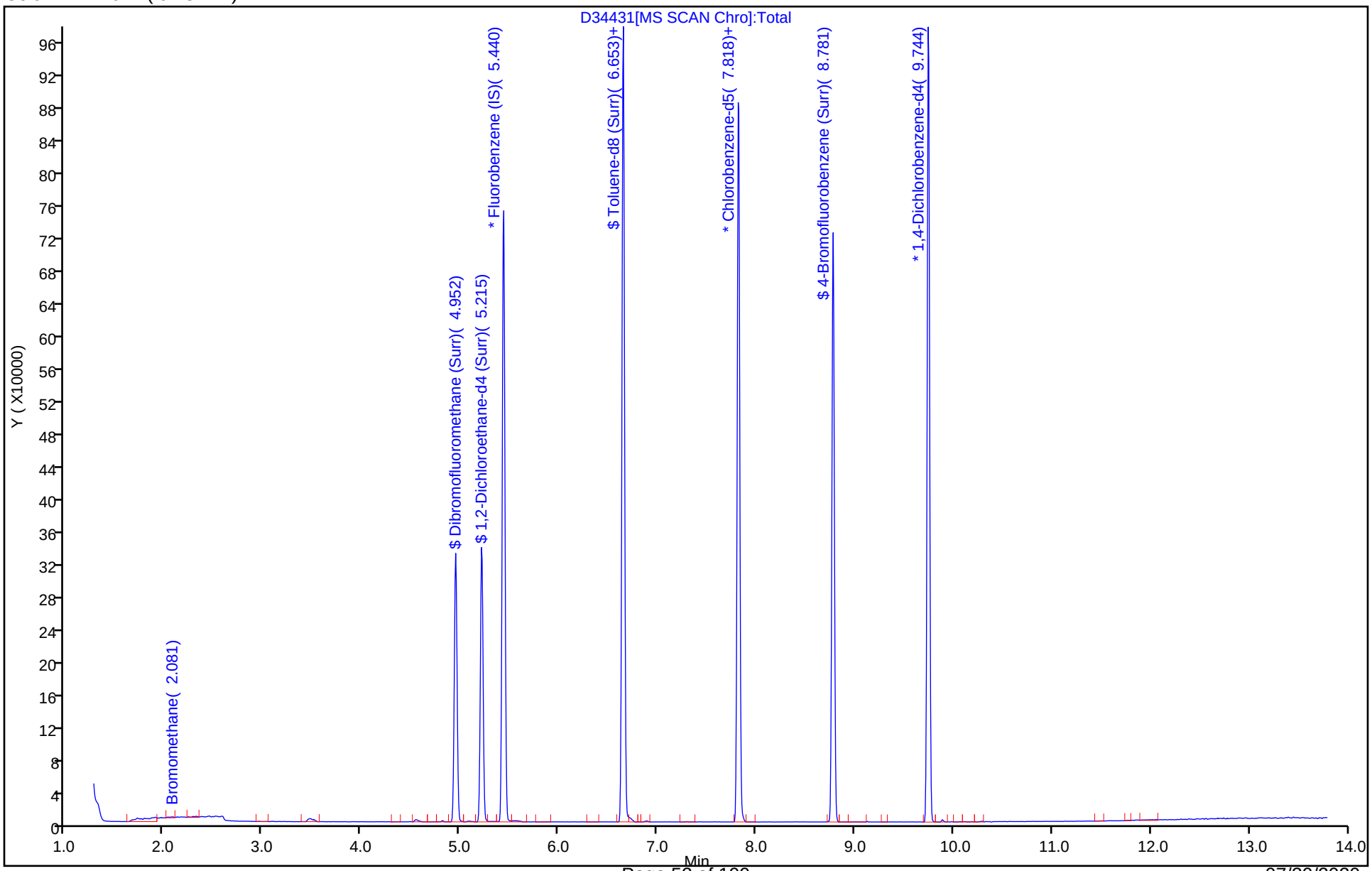
Report Date: 27-Jul-2020 14:16:45 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34431.D

Injection Date:	27-Jul-2020 03:48:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	480-172684-A-3	Lab Sample ID:	480-172684-3	Worklist Smp#:	26
Client ID:	Trip Blank				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



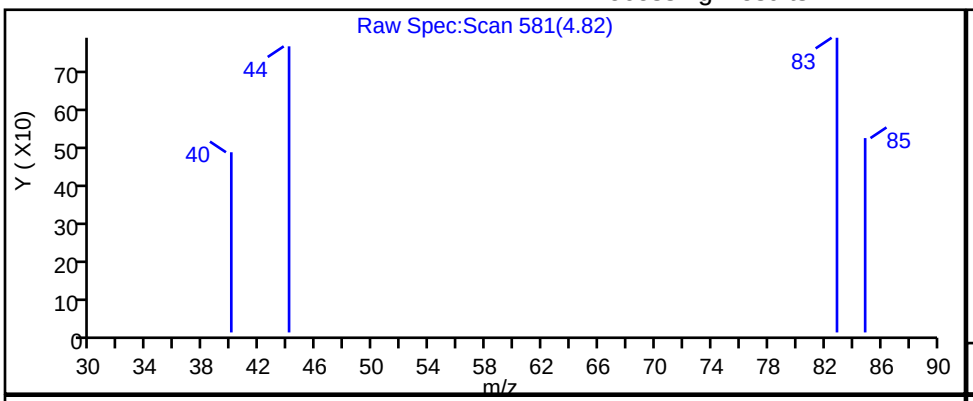
User Disabled Compound Report

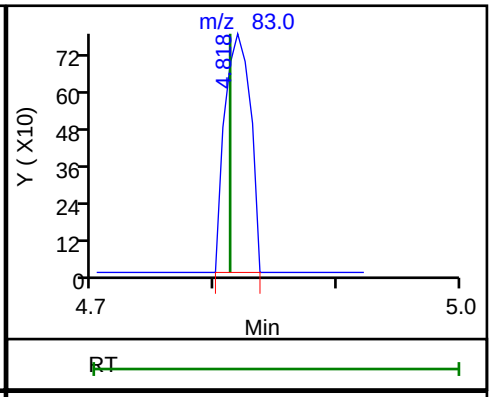
Eurofins TestAmerica, Buffalo

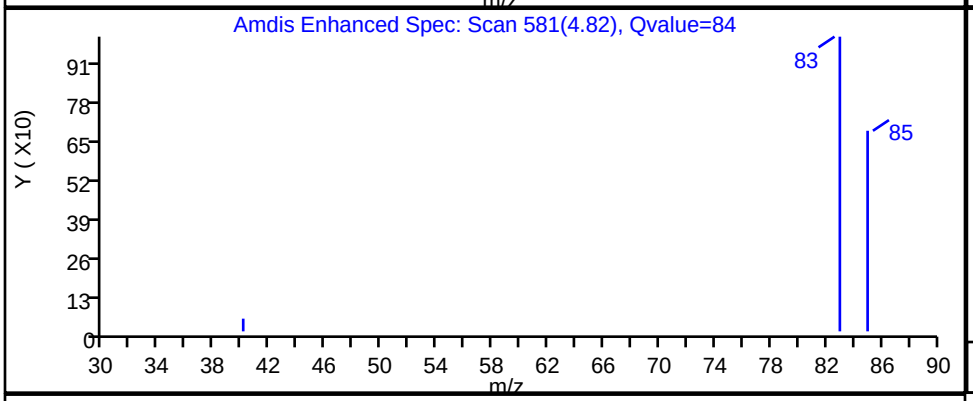
Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34431.D				
Injection Date:	27-Jul-2020 03:48:30	Instrument ID:	HP5975D		
Lims ID:	480-172684-A-3	Lab Sample ID:	480-172684-3		
Client ID:	Trip Blank				
Operator ID:	CDC	ALS Bottle#:	18	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

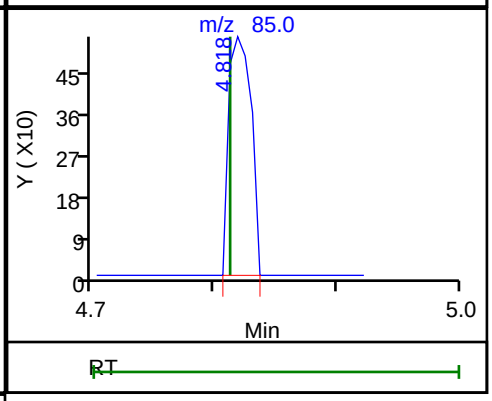
50 Chloroform, CAS: 67-66-3

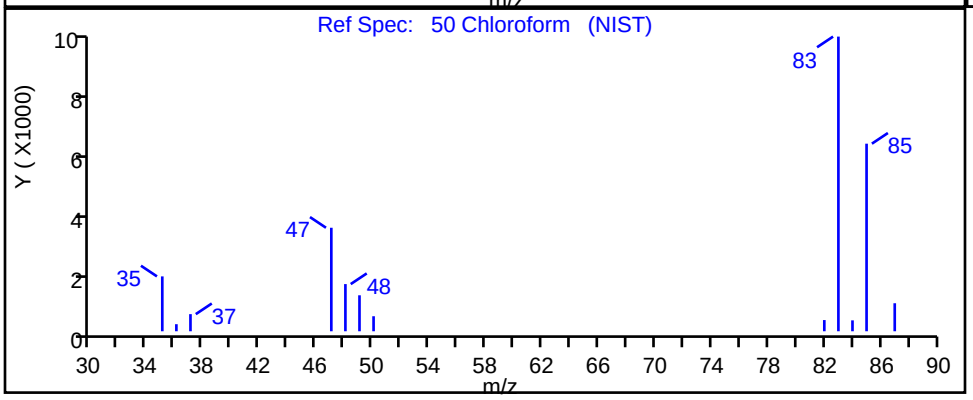
Processing Results











RT	Mass	Response	Amount
4.82	83.00	1154	0.084295
4.82	85.00	665	

Reviewer: izquierdoo, 27-Jul-2020 14:16:36

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

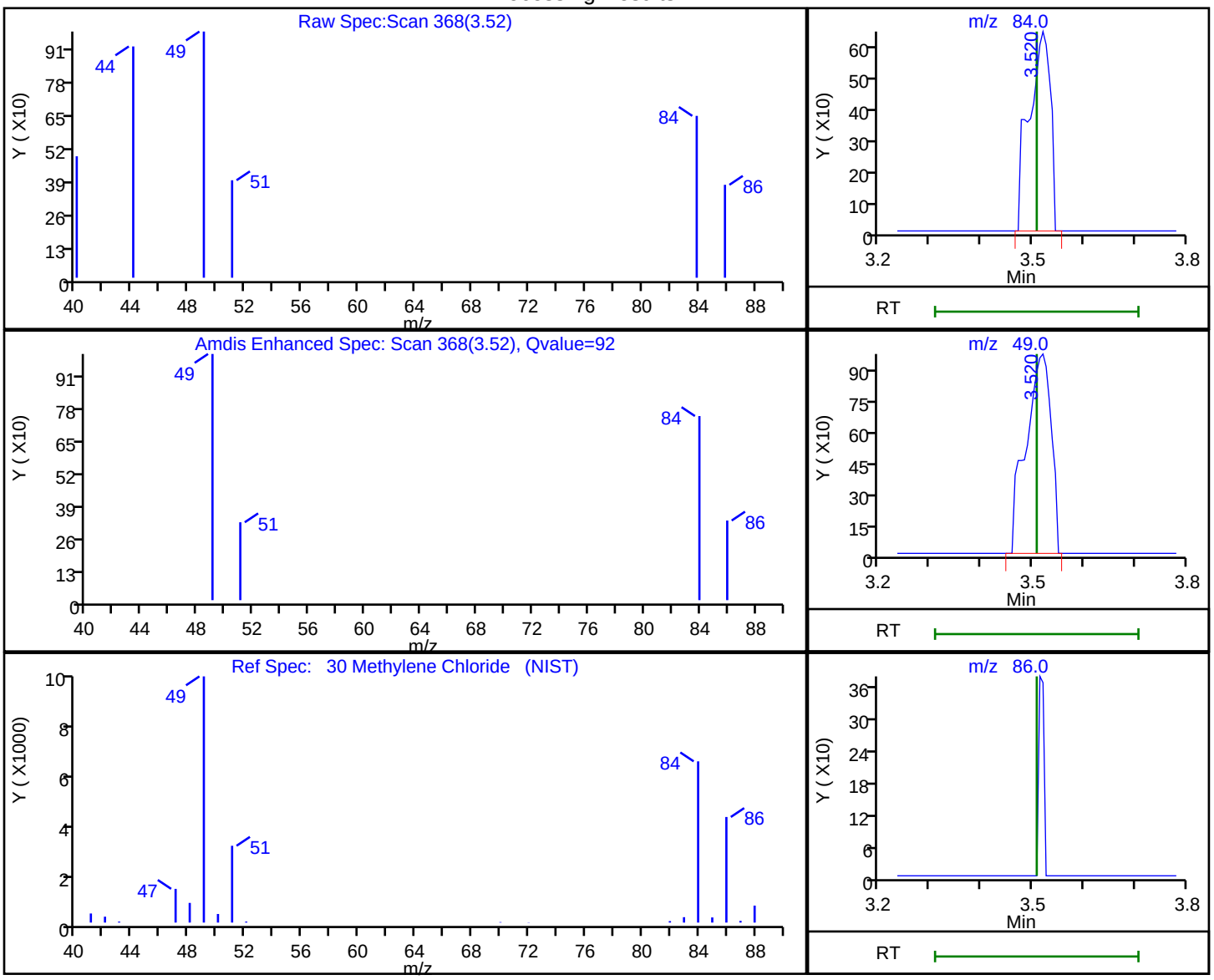
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34431.D				
Injection Date:	27-Jul-2020 03:48:30	Instrument ID:	HP5975D		
Lims ID:	480-172684-A-3	Lab Sample ID:	480-172684-3		
Client ID:	Trip Blank				
Operator ID:	CDC	ALS Bottle#:	18	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
3.52	84.00	1852	0.030930
3.52	49.00	3349	
3.51	86.00	0	

Reviewer: izquierdoo, 27-Jul-2020 14:16:41

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1 Analy Batch No.: 540684

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2020 14:45 Calibration End Date: 07/16/2020 17:28 Calibration ID: 39975

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-540684/7	D34099.D
Level 2	IC 480-540684/8	D34100.D
Level 3	IC 480-540684/9	D34101.D
Level 4	IC 480-540684/10	D34102.D
Level 5	IC 480-540684/11	D34103.D
Level 6	ICIS 480-540684/12	D34104.D
Level 7	IC 480-540684/13	D34105.D
Level 8	IC 480-540684/14	D34106.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 1.9319	1.3524 1.8932	1.5115 1.9189	1.8524	1.9634	Ave		1.7748			0.1000	13.6		20.0			
Chloromethane	1.7337 2.0286	1.9047 2.0297	1.9789 2.0803	2.1667	2.1319	Ave		2.0068			0.1000	6.9		20.0			
Vinyl chloride	1.1409 1.9000	1.5023 1.8914	1.6070 1.9109	1.9602	1.9290	Lin1	-0.336	1.9137			0.1000				1.0000		0.9900
Butadiene	+++++ 1.6580	1.1722 1.6450	1.4050 1.6121	1.6322	1.7479	Ave		1.5532				12.7		20.0			
Bromomethane	+++++ 1.1622	1.1368 1.1698	1.0328 1.1632	1.1706	1.1851	Ave		1.1458			0.1000	4.5		20.0			
Chloroethane	1.1070 1.0076	1.1381 0.9919	1.0313 0.9730	1.0965	1.0445	Ave		1.0487			0.1000	5.7		20.0			
Trichlorofluoromethane	+++++ 2.2954	1.5046 2.2854	1.7472 2.3335	2.2755	2.3180	Lin1	-0.844	2.3340			0.1000				1.0000		0.9900
Dichlorofluoromethane	2.6694 2.5110	2.6495 2.5110	2.4053 2.5193	2.7010	2.5816	Ave		2.5685				3.9		20.0			
Ethyl ether	0.8027 1.1212	1.0550 1.1061	1.0483 1.1353	1.1137	1.1516	Ave		1.0667				10.6		20.0			
Acrolein	+++++ 0.0880	0.0818 0.0947	0.0914 0.0978	0.0922	0.0858	Ave		0.0902				6.0		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.4085	0.9137 1.3944	1.1702 1.4347	1.2695	1.4452	Ave		1.2909			0.1000	15.0		20.0			
1,1-Dichloroethene	+++++ 1.2043	0.9344 1.1881	1.0526 1.2365	1.1106	1.1820	Ave		1.1298			0.1000	9.4		20.0			
Acetone	0.5320 0.4552	0.5066 0.4525	0.5068 0.4426	0.4928	0.4414	Ave		0.4787			0.1000	7.3		20.0			
Iodomethane	+++++ 2.7337	2.3279 2.7359	2.5034 2.7590	2.6526	2.7632	Ave		2.6394				6.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1 Analy Batch No.: 540684

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2020 14:45 Calibration End Date: 07/16/2020 17:28 Calibration ID: 39975

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	2.7463 3.9929	3.5461 3.9644	3.6377 3.9247	3.7039	4.0585	Ave		3.6968			0.1000	11.5		20.0			
Allyl chloride	2.4394 2.2608	2.6560 2.1701	2.2712 2.2340	2.2360	2.3360	Ave		2.3254				6.7		20.0			
Methyl acetate	1.2985 1.2122	1.2846 1.1338	1.2757 1.1767	1.1607	1.1542	Ave		1.2120			0.1000	5.4		20.0			
Methylene Chloride	2.2358 1.4021	1.6866 1.3943	1.5619 1.4273	1.4598	1.4545	Lin1	0.3082	1.4094			0.1000				1.0000		0.9900
2-Methyl-2-propanol	+++++ 0.1538	0.1380 0.1629	0.1468 0.1577	0.1502	0.1497	Ave		0.1513				5.3		20.0			
Methyl tert-butyl ether	3.1945 3.7974	3.5794 3.8153	3.5304 3.9054	3.7306	3.8560	Ave		3.6761			0.1000	6.4		20.0			
trans-1,2-Dichloroethene	+++++ 1.3202	1.1528 1.3175	1.2192 1.3654	1.2966	1.3529	Ave		1.2892			0.1000	5.9		20.0			
Acrylonitrile	0.4746 0.5347	0.5404 0.5356	0.5551 0.5398	0.5562	0.5316	Ave		0.5335				4.8		20.0			
Hexane	+++++ 2.0771	1.6652 2.0064	1.7558 2.0985	1.8777	2.1000	Ave		1.9401				9.1		20.0			
1,1-Dichloroethane	1.9469 2.4429	2.3508 2.4425	2.3081 2.5041	2.4518	2.5477	Ave		2.3744			0.2000	8.0		20.0			
Vinyl acetate	2.9269 3.4028	2.9589 3.4604	3.0323 3.5711	3.2360	3.4562	Ave		3.2556				7.8		20.0			
2,2-Dichloropropane	+++++ 1.3100	1.1062 1.2894	1.1477 1.1791	1.2748	1.3075	Ave		1.2307				6.9		20.0			
cis-1,2-Dichloroethene	1.1815 1.4533	1.3981 1.4624	1.3864 1.4986	1.4526	1.5195	Ave		1.4190			0.1000	7.5		20.0			
2-Butanone (MEK)	0.7238 0.7631	0.7608 0.7644	0.7770 0.7551	0.7986	0.7579	Ave		0.7626			0.1000	2.8		20.0			
Chlorobromomethane	0.6250 0.8590	0.7678 0.8616	0.8031 0.8932	0.8396	0.8831	Ave		0.8166				10.7		20.0			
Tetrahydrofuran	+++++ 0.4889	0.5755 0.4761	0.5407 0.4793	0.5149	0.5068	Ave		0.5118				7.0		20.0			
Chloroform	2.9144 2.4828	2.7743 2.4721	2.5108 2.5316	2.5168	2.6028	Ave		2.6007			0.2000	6.1		20.0			
1,1,1-Trichloroethane	+++++ 2.1220	1.7345 2.1160	1.8451 2.2573	2.0128	2.1342	Ave		2.0317			0.1000	9.0		20.0			
Cyclohexane	+++++ 2.4273	1.9065 2.3826	2.0553 2.4636	2.1792	2.4595	Ave		2.2677			0.1000	9.8		20.0			
Carbon tetrachloride	+++++ 2.0233	1.5607 2.1024	1.6837 2.2115	1.8140	1.9786	Ave		1.9106			0.1000	12.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1 Analy Batch No.: 540684

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2020 14:45 Calibration End Date: 07/16/2020 17:28 Calibration ID: 39975

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	+++++ 1.8929	1.6730 1.8856	1.7115 1.9379	1.8297	1.9445	Ave		1.8393				5.9		20.0			
Isobutyl alcohol	+++++ 0.0642	0.0601 0.0666	0.0645 0.0644	0.0633	0.0614	Ave		0.0635				3.4		20.0			
Benzene	4.1753 5.0034	4.9735 4.9582	4.7736 5.0799	4.8883	5.1509	Ave		4.8754			0.5000	6.3		20.0			
1,2-Dichloroethane	2.1823 2.1280	2.2361 2.1573	2.1886 2.2063	2.2182	2.2392	Ave		2.1945			0.1000	1.8		20.0			
n-Heptane	1.6823 2.4932	2.1327 2.3236	2.1933 2.4056	2.2902	2.4863	Ave		2.2509				11.7		20.0			
Trichloroethene	1.0519 1.4597	1.3460 1.4539	1.3702 1.5016	1.4303	1.4998	Ave		1.3892			0.2000	10.6		20.0			
Methylcyclohexane	+++++ 2.2796	1.7299 2.2522	1.9248 2.3366	2.0763	2.3081	Ave		2.1296			0.1000	10.8		20.0			
1,2-Dichloropropane	1.1309 1.3995	1.3583 1.3985	1.3546 1.4236	1.4077	1.4553	Ave		1.3660			0.1000	7.4		20.0			
1,4-Dioxane	+++++ 0.0047	0.0016 0.0051	0.0038 0.0045	0.0040	0.0040	Lin1	-0.059	0.0048							0.9960		0.9900
Dibromomethane	0.8851 1.0487	0.9626 1.0541	1.0247 1.0764	1.0426	1.0784	Ave		1.0216			0.1000	6.5		20.0			
Bromodichloromethane	1.4599 1.9001	1.7032 1.9333	1.6952 2.0197	1.8197	1.9033	Ave		1.8043			0.2000	9.9		20.0			
2-Chloroethyl vinyl ether	0.7454 0.9602	0.8079 0.9494	0.8307 0.9985	0.8844	0.9993	Ave		0.8970				10.6		20.0			
cis-1,3-Dichloropropene	1.7500 2.3103	2.0202 2.3404	2.0319 2.4067	2.1731	2.3248	Ave		2.1697			0.2000	10.3		20.0			
4-Methyl-2-pentanone (MIBK)	0.7369 0.7991	0.7553 0.7784	0.7398 0.7693	0.8118	0.7999	Ave		0.7738			0.1000	3.7		20.0			
Toluene	1.2669 1.5525	1.5158 1.5494	1.4126 1.5432	1.5279	1.5776	Ave		1.4932			0.4000	7.0		20.0			
trans-1,3-Dichloropropene	0.7947 1.0452	0.8571 1.0582	0.8795 1.0807	0.9835	1.0268	Ave		0.9657			0.1000	11.1		20.0			
Ethyl methacrylate	0.6740 0.8517	0.7649 0.8582	0.7240 0.8769	0.8217	0.8491	Ave		0.8026				9.1		20.0			
1,1,2-Trichloroethane	0.4521 0.5292	0.4994 0.5229	0.5010 0.5222	0.5290	0.5383	Ave		0.5118			0.1000	5.4		20.0			
Tetrachloroethene	+++++ 0.7715	0.6570 0.7607	0.6679 0.7755	0.7412	0.7836	Ave		0.7368			0.2000	7.1		20.0			
1,3-Dichloropropane	0.8742 1.0104	0.9811 0.9965	0.9324 1.0055	1.0164	1.0349	Ave		0.9814				5.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1 Analy Batch No.: 540684

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2020 14:45 Calibration End Date: 07/16/2020 17:28 Calibration ID: 39975

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.4994 0.5854	0.5619 0.5658	0.5514 0.5532	0.5959	0.5910	Ave		0.5630			0.1000	5.5		20.0			
Dibromochloromethane	0.5304 0.7752	0.6200 0.8032	0.6307 0.8347	0.6864	0.7389	Ave		0.7024			0.1000	14.8		20.0			
1,2-Dibromoethane	0.5785 0.7241	0.6432 0.7230	0.6601 0.7246	0.7122	0.7421	Ave		0.6885				8.2		20.0			
Chlorobenzene	1.4856 1.8559	1.8346 1.8225	1.7038 1.8370	1.8479	1.8968	Ave		1.7855			0.5000	7.5		20.0			
Ethylbenzene	2.2390 2.9488	2.7369 2.9107	2.6565 2.9368	2.8670	2.9679	Ave		2.7830			0.1000	8.8		20.0			
1,1,1,2-Tetrachloroethane	0.4566 0.6940	0.5941 0.7091	0.5760 0.7243	0.6392	0.6813	Ave		0.6343				14.1		20.0			
m,p-Xylene	0.8902 1.1783	1.0644 1.1670	1.0410 1.1782	1.1278	1.1770	Ave		1.1030			0.1000	9.2		20.0			
o-Xylene	0.8389 1.1341	1.0564 1.1428	1.0327 1.1517	1.1118	1.1542	Ave		1.0778			0.3000	9.9		20.0			
Styrene	1.5861 1.9856	1.7460 1.9794	1.7390 2.0047	1.9239	1.9879	Ave		1.8691			0.3000	8.4		20.0			
Bromoform	+++++ 0.5512	0.4045 0.6000	0.4095 0.6278	0.4657	0.5033	Ave		0.5088			0.1000	17.4		20.0			
Isopropylbenzene	1.9124 2.6341	2.5231 2.5571	2.4534 2.6340	2.6250	2.7274	Ave		2.5083			0.1000	10.2		20.0			
Bromobenzene	0.6621 0.7895	0.7891 0.7726	0.7544 0.7858	0.7862	0.8213	Ave		0.7701				6.2		20.0			
1,1,2,2-Tetrachloroethane	0.7144 0.8174	0.7874 0.7994	0.7790 0.8149	0.8536	0.8448	Ave		0.8014			0.3000	5.4		20.0			
N-Propylbenzene	2.3348 3.2067	2.9961 3.1210	2.9527 3.1546	3.1770	3.3204	Ave		3.0329				10.1		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2637	0.1986 0.2625	0.2113 0.2694	0.2406	0.2572	Ave		0.2433				11.5		20.0			
1,2,3-Trichloropropane	0.1518 0.2326	0.1999 0.2265	0.2130 0.2288	0.2393	0.2389	Ave		0.2164				13.5		20.0			
2-Chlorotoluene	0.5098 0.6876	0.6546 0.6738	0.6499 0.6844	0.7002	0.7187	Ave		0.6599				9.8		20.0			
1,3,5-Trimethylbenzene	1.7105 2.2762	2.1251 2.2272	2.0822 2.2831	2.2646	2.3603	Ave		2.1661				9.4		20.0			
4-Chlorotoluene	0.5775 0.7235	0.7287 0.7037	0.6935 0.7192	0.7281	0.7562	Ave		0.7038				7.7		20.0			
tert-Butylbenzene	0.3056 0.4632	0.4132 0.4585	0.4346 0.4724	0.4485	0.4803	Ave		0.4345				13.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1 Analy Batch No.: 540684

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2020 14:45 Calibration End Date: 07/16/2020 17:28 Calibration ID: 39975

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	1.7790 2.3298	2.1849 2.2915	2.1471 2.3424	2.3070	2.3948	Ave		2.2221				8.9		20.0			
sec-Butylbenzene	1.9715 2.9820	2.6408 2.9071	2.7079 2.9792	2.8994	3.0239	Ave		2.7640				12.6		20.0			
4-Isopropyltoluene	1.7608 2.5673	2.2964 2.5362	2.2717 2.5962	2.5144	2.6242	Ave		2.3959				12.1		20.0			
1,3-Dichlorobenzene	1.2298 1.4587	1.4387 1.4286	1.3820 1.4565	1.4649	1.5070	Ave		1.4208			0.6000	6.0		20.0			
1,4-Dichlorobenzene	1.3298 1.4739	1.5116 1.4565	1.4063 1.4962	1.5046	1.5499	Ave		1.4661			0.5000	4.7		20.0			
n-Butylbenzene	1.5782 2.3555	2.1589 2.3142	2.1003 2.3872	2.3225	2.4262	Ave		2.2054				12.6		20.0			
1,2-Dichlorobenzene	1.1601 1.4457	1.4323 1.4209	1.3672 1.4598	1.4523	1.4842	Ave		1.4028			0.4000	7.4		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1513	0.1160 0.1551	0.1272 0.1629	0.1430	0.1464	Ave		0.1431			0.0500	11.4		20.0			
1,2,4-Trichlorobenzene	0.8545 1.0955	1.0192 1.0942	1.0189 1.1342	1.0927	1.1301	Ave		1.0549			0.2000	8.7		20.0			
Hexachlorobutadiene	0.3036 0.5252	0.4517 0.5304	0.4794 0.5387	0.5195	0.5278	Lin1	-0.094	0.5361							1.0000		0.9900
Naphthalene	2.0913 2.6414	2.3829 2.5937	2.4215 2.6544	2.6339	2.6301	Ave		2.5061				7.9		20.0			
1,2,3-Trichlorobenzene	0.8150 1.0495	0.9983 1.0358	0.9776 1.0762	1.0262	1.0497	Ave		1.0035				8.2		20.0			
Dibromofluoromethane (Surr)	1.5254 1.5244	1.4885 1.5596	1.5171 1.5761	1.4932	1.5196	Ave		1.5255				2.0		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8884 0.8773	0.8743 0.8949	0.8889 0.8985	0.8751	0.8795	Ave		0.8846				1.1		20.0			
Toluene-d8 (Surr)	2.3671 2.3764	2.3459 2.3983	2.3340 2.3564	2.3711	2.3576	Ave		2.3634				0.8		20.0			
4-Bromofluorobenzene (Surr)	0.8395 0.8781	0.8306 0.8857	0.8385 0.8780	0.8559	0.8528	Ave		0.8574				2.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1 Analy Batch No.: 540684

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2020 14:45 Calibration End Date: 07/16/2020 17:28 Calibration ID: 39975

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-540684/7	D34099.D
Level 2	IC 480-540684/8	D34100.D
Level 3	IC 480-540684/9	D34101.D
Level 4	IC 480-540684/10	D34102.D
Level 5	IC 480-540684/11	D34103.D
Level 6	ICIS 480-540684/12	D34104.D
Level 7	IC 480-540684/13	D34105.D
Level 8	IC 480-540684/14	D34106.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 284309	8293 554556	18015 1122292	55857	116282	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	4147 298543	11680 594538	23586 1216702	65335	126259	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Lin1	2729 279611	9212 554025	19153 1117634	59107	114244	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 243998	7188 481833	16746 942855	49217	103517	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 171029	6971 342659	12310 680318	35299	70186	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2648 148283	6979 290549	12292 569057	33063	61860	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Lin1	+++++ 337806	9226 669432	20825 1364782	68616	137280	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	6385 369533	16247 735499	28668 1473473	81446	152891	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	1920 165002	6469 323988	12495 664025	33581	68203	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 64721	2509 138682	5447 285879	13904	25403	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 207277	5603 408432	13947 839145	38280	85591	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	+++++ 177225	5730 348016	12546 723206	33490	70006	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	6362 334945	15531 662677	30204 1294230	74295	130696	2.00 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	+++++ 402301	14275 801400	29838 1613644	79985	163646	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	6569 587616	21745 1161238	43357 2295491	111686	240365	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1 Analy Batch No.: 540684

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2020 14:45 Calibration End Date: 07/16/2020 17:28 Calibration ID: 39975

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	FB	Ave	5835 332709	16287 635669	27070 1306588	67423	138347	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	6212 356791	15754 664229	30409 1376401	69998	136708	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	5348 206348	10342 408427	18616 834788	44018	86143	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 226376	8462 477292	17494 922627	45302	88677	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	7641 558847	21949 1117557	42078 2284155	112490	228368	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 194291	7069 385917	14531 798566	39096	80127	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	11353 786902	33139 1568815	66163 3157016	167708	314849	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	+++++ 305682	10211 587710	20927 1227356	56619	124373	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	4657 359505	14415 715451	27510 1464588	73932	150887	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	14002 1001543	36288 2027207	72283 4177293	195153	409383	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	+++++ 192781	6783 377688	13679 689623	38441	77438	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	2826 213874	8573 428366	16524 876513	43802	89989	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	8657 561506	23327 1119506	46303 2208277	120404	224444	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1495 126418	4708 252380	9572 522408	25318	52303	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 143913	7058 278927	12888 560669	31054	60034	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	6971 365381	17012 724111	29926 1480676	75892	154152	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	+++++ 312290	10636 619823	21991 1320251	60692	126397	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 357217	11691 697906	24497 1440874	65710	145661	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 297758	9570 615814	20068 1293436	54698	117181	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 278565	10259 552326	20399 1133434	55172	115161	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	+++++ 236347	9215 488066	19230 941732	47754	90952	+++++ 625	25.0 1250	50.0 2500	125	250

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1 Analy Batch No.: 540684

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2020 14:45 Calibration End Date: 07/16/2020 17:28 Calibration ID: 39975

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	9987 736335	30498 1452325	56896 2971129	147399	305061	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	5220 313175	13712 631910	26085 1290390	66887	132616	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	4024 366918	13078 680609	26142 1406991	69059	147250	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	2516 214815	8254 425880	16331 878252	43130	88823	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 335481	10608 659713	22941 1366602	62609	136693	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	2705 205954	8329 409635	16145 832610	42447	86189	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Lin1	+++++ 30106	426 65125	1989 116934	5119	10286	+++++ 500	20.0 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	2117 154339	5903 308767	12213 629540	31439	63866	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	3492 279623	10444 566292	20205 1181269	54872	112722	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	1783 141309	4954 278083	9901 583980	26667	59185	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	4186 340003	12388 685536	24218 1407618	65526	137685	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	18917 1268566	49078 2467851	97166 4956666	260951	512616	2.00 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	6504 492920	19697 982476	37103 1988756	98227	202193	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	4080 331852	11138 671034	23102 1392722	63226	131599	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	3460 270398	9940 544216	19016 1130100	52826	108826	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	2321 168012	6489 331590	13159 673003	34009	68995	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 244935	8538 482363	17544 999351	47651	100425	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	4488 320791	12749 631869	24492 1295739	65341	132641	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	12820 929370	36509 1793794	72411 3564733	191535	378698	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	2723 246120	8057 509325	16565 1075690	44129	94705	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	2970 229900	8358 458443	17338 933776	45789	95113	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1 Analy Batch No.: 540684

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2020 14:45 Calibration End Date: 07/16/2020 17:28 Calibration ID: 39975

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	7627 589218	23840 1155655	44754 2367337	118799	243097	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	11495 936216	35566 1845723	69777 3784677	184315	380381	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	2344 220330	7720 449669	15130 933372	41096	87313	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	4570 374108	13832 740005	27344 1518346	72506	150845	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	4307 360070	13728 724652	27126 1484147	71477	147930	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	8143 630425	22689 1255180	45678 2583471	123685	254773	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	+++++ 175015	5256 380468	10755 808988	29941	64500	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	10507 950423	34941 1884246	68990 3856075	184091	380967	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	3638 284847	10928 569277	21213 1150364	55139	114716	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	3925 294945	10904 589090	21905 1192943	59860	118003	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	12828 1157021	41492 2299746	83029 4618249	222804	463797	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 95162	2751 193432	5943 394349	16873	35925	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	834 83936	2769 166924	5990 334984	16784	33374	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	2801 248112	9065 496516	18274 1001874	49106	100384	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	9398 821302	29429 1641138	58551 3342383	158817	329679	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	3173 261066	10091 518561	19502 1052820	51058	105628	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	1679 167145	5722 337849	12222 691580	31451	67094	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	9774 840624	30258 1688569	60376 3429257	161792	334502	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	10832 1075953	36571 2142124	76146 4361370	203331	422375	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	9674 926308	31802 1868858	63879 3800767	176334	366547	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	6757 526325	19924 1052705	38862 2132233	102734	210503	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1 Analy Batch No.: 540684

SDG No.:

Instrument ID: HP5975D GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/16/2020 14:45 Calibration End Date: 07/16/2020 17:28 Calibration ID: 39975

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	7306 531803	20934 1073252	39545 2190332	105517	216496	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	8671 849914	29898 1705268	59062 3494808	162879	338886	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	6374 521635	19835 1047022	38447 2137095	101846	207316	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 54592	1606 114306	3578 238446	10029	20454	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	4695 395267	14115 806317	28652 1660367	76630	157847	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Lin1	1668 189511	6256 390841	13481 788651	36434	73717	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	11490 953049	32999 1911214	68093 3885965	184712	367371	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	4478 378677	13825 763268	27491 1575476	71969	146620	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	228042 224343	228194 228414	226031 230461	225124	224995	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	132812 129103	134031 131058	132433 131378	131942	130215	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	759522 754483	762114 760406	766336 759169	762188	755409	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	269354 278792	269846 280830	275309 282872	275118	273244	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Jul-2020 14:45:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0092073-007
Operator ID: RF Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Jul-2020 22:55:08 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1024

First Level Reviewer: farrellr Date: 20-Jul-2020 10:28:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.434	-0.006	98	149497	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.818	-0.006	87	320869	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.744	-0.006	96	343389	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.946	0.000	92	228042	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.209	5.208	0.001	99	132812	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	95	759522	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	93	269354	25.0	24.5	
10 Dichlorodifluoromethane	85		1.453				ND	ND	
12 Chloromethane	50	1.654	1.666	-0.012	93	4147	0.4000	0.3456	
13 Vinyl chloride	62	1.764	1.770	-0.006	91	2729	0.4000	0.4140	
144 Butadiene	54	1.801	1.807	-0.006	75	1421	0.4000	0.1530	
14 Bromomethane	94	2.148	2.148	0.000	60	1640	0.4000	0.2394	
15 Chloroethane	64	2.252	2.240	0.012	83	2648	0.4000	0.4222	
17 Trichlorofluoromethane	101	2.483	2.483	0.000	0	1659	0.4000	0.4805	M
16 Dichlorofluoromethane	67	2.490	2.489	0.001	88	6385	0.4000	0.4157	
18 Ethyl ether	59	2.739	2.739	0.000	94	1920	0.4000	0.3010	
20 Acrolein	56	2.935	2.934	0.001	0	596	2.00	1.10	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.983	0.006	57	921	0.4000	0.1193	
22 1,1-Dichloroethene	96	3.008	3.002	0.006	0	1054	0.4000	0.1560	M
23 Acetone	43	3.087	3.087	0.000	96	6362	2.00	2.22	
25 Iodomethane	142	3.185	3.172	0.013	95	4202	0.4000	0.2662	
26 Carbon disulfide	76	3.209	3.203	0.006	98	6569	0.4000	0.2972	
28 3-Chloro-1-propene	41	3.325	3.325	0.000	87	5835	0.4000	0.4196	M
27 Methyl acetate	43	3.367	3.367	0.000	99	6212	0.8000	0.8571	a
30 Methylene Chloride	84	3.520	3.514	0.006	95	5348	0.4000	0.4158	
31 2-Methyl-2-propanol	59	3.617	3.617	0.000	91	2100	4.00	2.32	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	96	7641	0.4000	0.3476	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	97	1623	0.4000	0.2105	
33 Acrylonitrile	53	3.733	3.733	0.000	95	11353	4.00	3.56	
35 Hexane	57	3.843	3.843	0.000	93	2525	0.4000	0.2176	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.062	4.062	0.000	91	4657	0.4000	0.3280	
37 Vinyl acetate	43	4.093	4.093	0.000	97	14002	0.8000	0.7192	
44 2,2-Dichloropropane	77		4.520				ND	ND	
45 cis-1,2-Dichloroethene	96	4.550	4.550	0.000	80	2826	0.4000	0.3330	
43 2-Butanone (MEK)	43	4.574	4.568	0.006	96	8657	2.00	1.90	a
48 Chlorobromomethane	128	4.751	4.757	-0.006	91	1495	0.4000	0.3062	
49 Tetrahydrofuran	42	4.770	4.763	0.007	84	3376	0.8000	1.10	
50 Chloroform	83	4.812	4.812	0.000	94	6971	0.4000	0.4482	
51 1,1,1-Trichloroethane	97	4.910	4.916	-0.006	90	2692	0.4000	0.2216	Ma
52 Cyclohexane	56	4.922	4.922	0.000	59	3076	0.4000	0.2268	a
55 Carbon tetrachloride	117	5.026	5.032	-0.006	92	2328	0.4000	0.2038	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	88	2689	0.4000	0.2445	
53 Isobutyl alcohol	43		5.196				ND	ND	
57 Benzene	78	5.215	5.215	0.000	92	9987	0.4000	0.3426	
58 1,2-Dichloroethane	62	5.269	5.269	0.000	95	5220	0.4000	0.3978	
59 n-Heptane	43	5.330	5.330	0.000	86	4024	0.4000	0.2990	
62 Trichloroethene	95	5.708	5.708	0.000	92	2516	0.4000	0.3029	
64 Methylcyclohexane	83	5.806	5.812	-0.006	87	2317	0.4000	0.1819	
65 1,2-Dichloropropane	63	5.910	5.910	0.000	88	2705	0.4000	0.3311	
66 1,4-Dioxane	88		6.019				ND	ND	
67 Dibromomethane	93	6.025	6.031	-0.006	92	2117	0.4000	0.3465	
68 Dichlorobromomethane	83	6.135	6.141	-0.006	90	3492	0.4000	0.3236	a
69 2-Chloroethyl vinyl ether	63	6.336	6.336	0.000	80	1783	0.4000	0.3324	a
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	88	4186	0.4000	0.3226	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.562	0.000	98	18917	2.00	1.90	
74 Toluene	92	6.696	6.696	0.000	97	6504	0.4000	0.3394	
77 trans-1,3-Dichloropropene	75	6.903	6.909	-0.006	95	4080	0.4000	0.3292	
75 Ethyl methacrylate	69	6.916	6.915	0.001	86	3460	0.4000	0.3359	
79 1,1,2-Trichloroethane	83	7.062	7.062	0.000	84	2321	0.4000	0.3534	
81 Tetrachloroethene	166	7.117	7.123	-0.006	89	2506	0.4000	0.2650	
82 1,3-Dichloropropane	76	7.196	7.196	0.000	85	4488	0.4000	0.3563	
80 2-Hexanone	43	7.220	7.220	0.000	96	12820	2.00	1.77	
83 Chlorodibromomethane	129	7.385	7.385	0.000	82	2723	0.4000	0.3020	
84 Ethylene Dibromide	107	7.482	7.482	0.000	97	2970	0.4000	0.3361	
87 Chlorobenzene	112	7.836	7.836	0.000	96	7627	0.4000	0.3328	a
88 Ethylbenzene	91	7.891	7.891	0.000	97	11495	0.4000	0.3218	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.903	0.000	87	2344	0.4000	0.2879	
90 m-Xylene & p-Xylene	106	7.982	7.982	0.000	96	4570	0.4000	0.3228	
91 o-Xylene	106	8.318	8.318	0.000	96	4307	0.4000	0.3113	
92 Styrene	104	8.336	8.336	0.000	94	8143	0.4000	0.3394	
95 Bromoform	173	8.549	8.555	-0.006	89	1709	0.4000	0.2617	
94 Isopropylbenzene	105	8.598	8.604	-0.006	95	10507	0.4000	0.3050	
101 Bromobenzene	156	8.909	8.915	-0.006	88	3638	0.4000	0.3439	
97 1,1,2,2-Tetrachloroethane	83	8.921	8.921	0.000	88	3925	0.4000	0.3566	
99 N-Propylbenzene	91	8.940	8.946	-0.006	98	12828	0.4000	0.3079	
98 trans-1,4-Dichloro-2-butene	53	8.952	8.958	-0.006	67	693	0.4000	0.2073	
100 1,2,3-Trichloropropane	110	8.958	8.964	-0.006	87	834	0.4000	0.2806	
103 2-Chlorotoluene	126	9.049	9.049	0.000	96	2801	0.4000	0.3090	
102 1,3,5-Trimethylbenzene	105	9.080	9.080	0.000	92	9398	0.4000	0.3159	
105 4-Chlorotoluene	126	9.141	9.141	0.000	95	3173	0.4000	0.3282	
106 tert-Butylbenzene	134	9.354	9.360	-0.006	93	1679	0.4000	0.2813	
107 1,2,4-Trimethylbenzene	105	9.403	9.403	0.000	94	9774	0.4000	0.3202	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.537	9.543	-0.006	93	10832	0.4000	0.2853	
110 4-Isopropyltoluene	119	9.653	9.653	0.000	96	9674	0.4000	0.2940	
111 1,3-Dichlorobenzene	146	9.683	9.689	-0.006	95	6757	0.4000	0.3462	
113 1,4-Dichlorobenzene	146	9.763	9.762	0.000	96	7306	0.4000	0.3628	a
115 n-Butylbenzene	91	10.006	10.006	0.000	97	8671	0.4000	0.2862	
116 1,2-Dichlorobenzene	146	10.092	10.092	0.000	93	6374	0.4000	0.3308	
117 1,2-Dibromo-3-Chloropropane	75	10.781	10.781	0.000	0	141	0.4000	0.0717	M
119 1,2,4-Trichlorobenzene	180	11.421	11.421	0.000	92	4695	0.4000	0.3240	
120 Hexachlorobutadiene	225	11.512	11.512	0.000	80	1668	0.4000	0.4026	
121 Naphthalene	128	11.634	11.634	0.000	95	11490	0.4000	0.3338	a
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	93	4478	0.4000	0.3249	a
S 126 1,3-Dichloropropene, Total	1				0			0.6518	
S 124 Xylenes, Total	1				0			0.6342	
S 125 1,2-Dichloroethene, Total	1				0			0.5436	
S 123 Total BTEX	1				0			1.64	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00186	Amount Added:	0.40	Units: uL	
GAS CORP mix_00407	Amount Added:	0.40	Units: uL	
D 8260 IS/SUR_00018	Amount Added:	1.00	Units: uL	Run Reagent

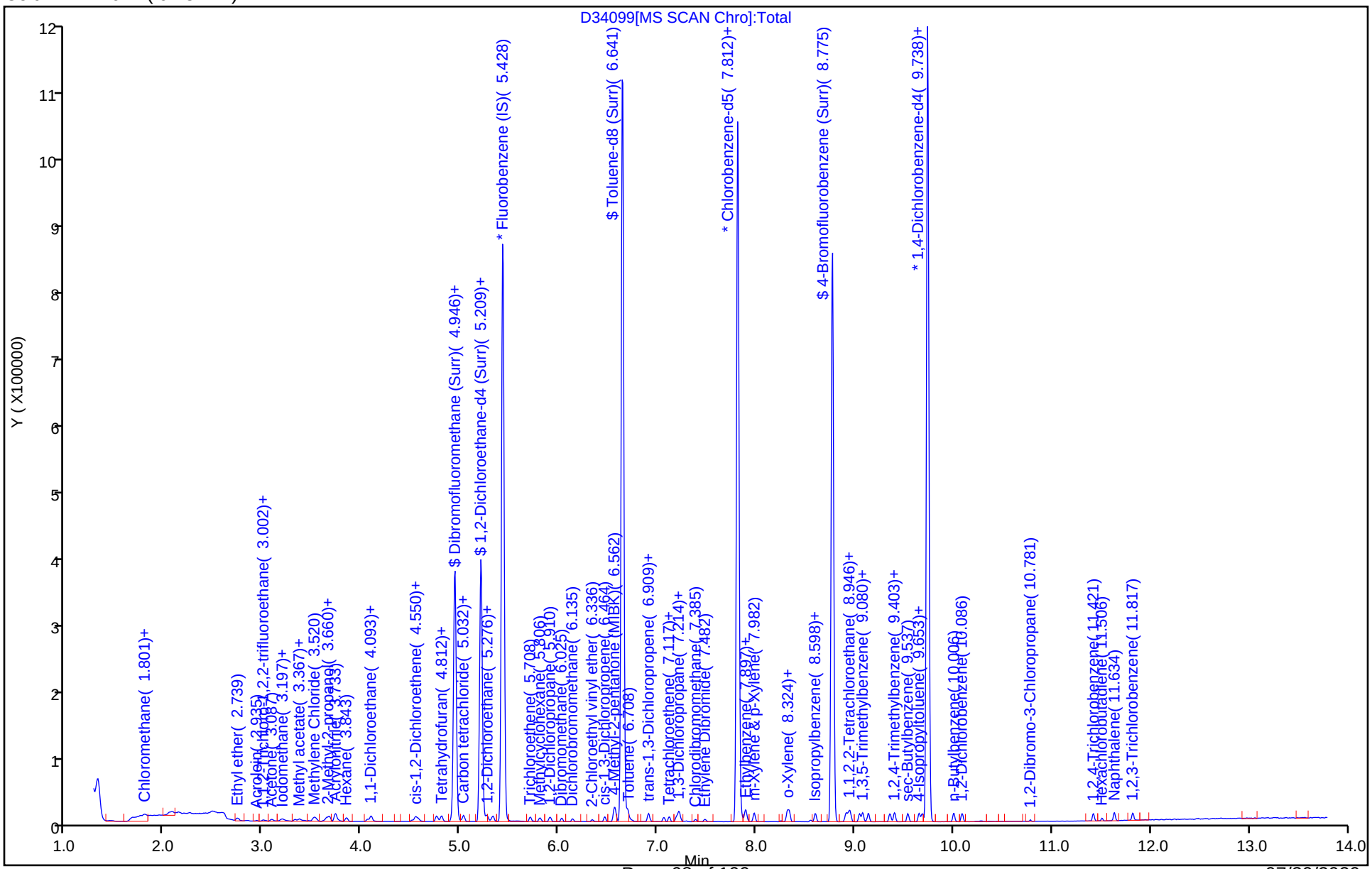
Report Date: 20-Jul-2020 22:55:09 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D

Injection Date:	16-Jul-2020 14:45:30	Instrument ID:	HP5975D	Operator ID:	RF
Lims ID:	IC 0.4			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

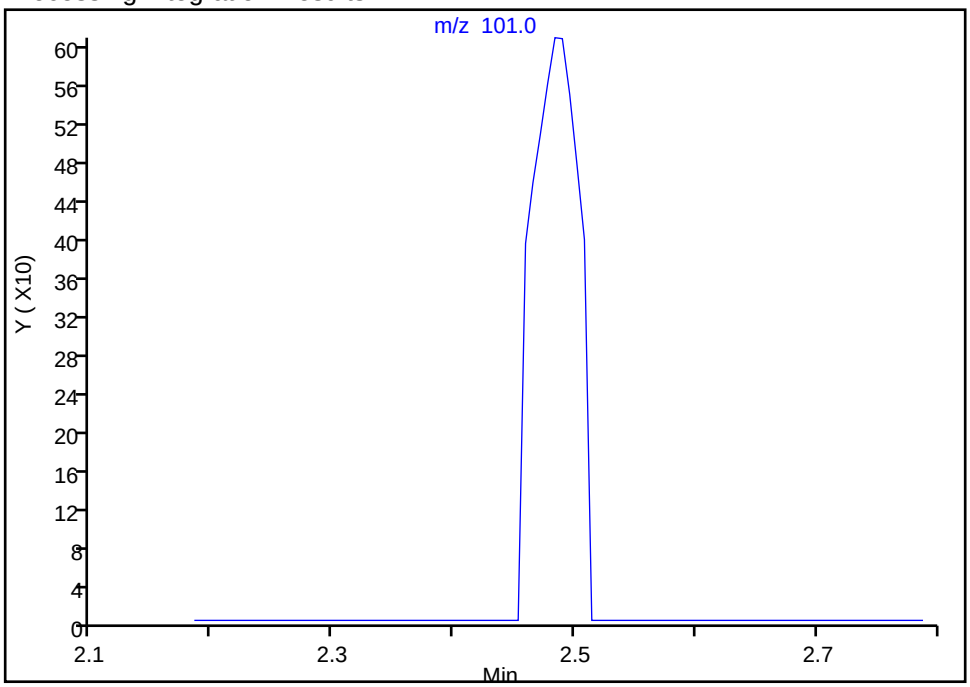
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

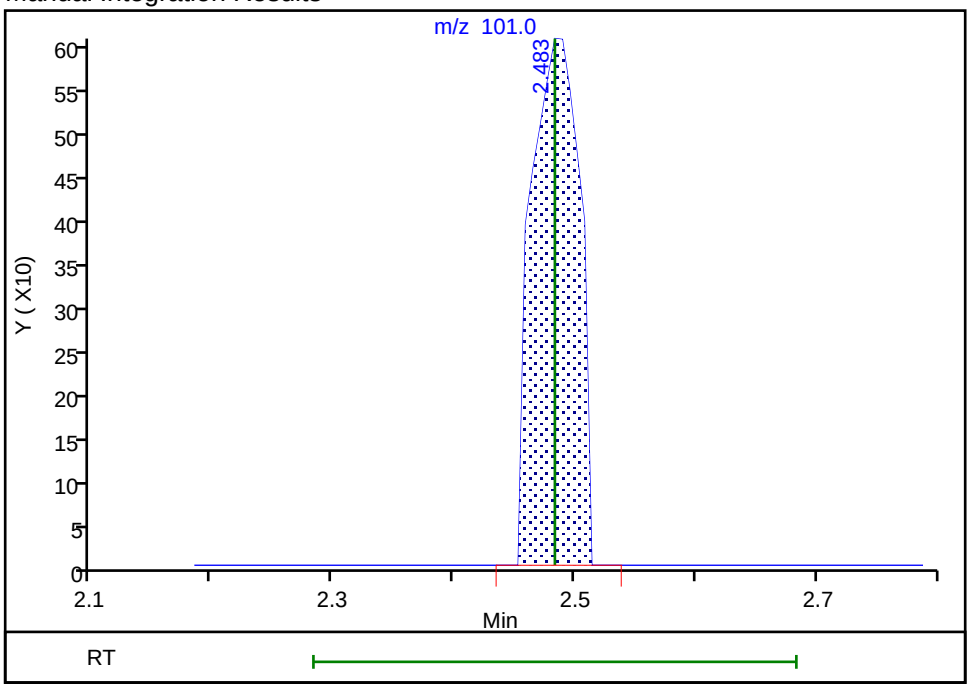
Not Detected
Expected RT: 2.48

Processing Integration Results



Manual Integration Results

RT: 2.48
Area: 1659
Amount: 0.480542
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:26:33
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

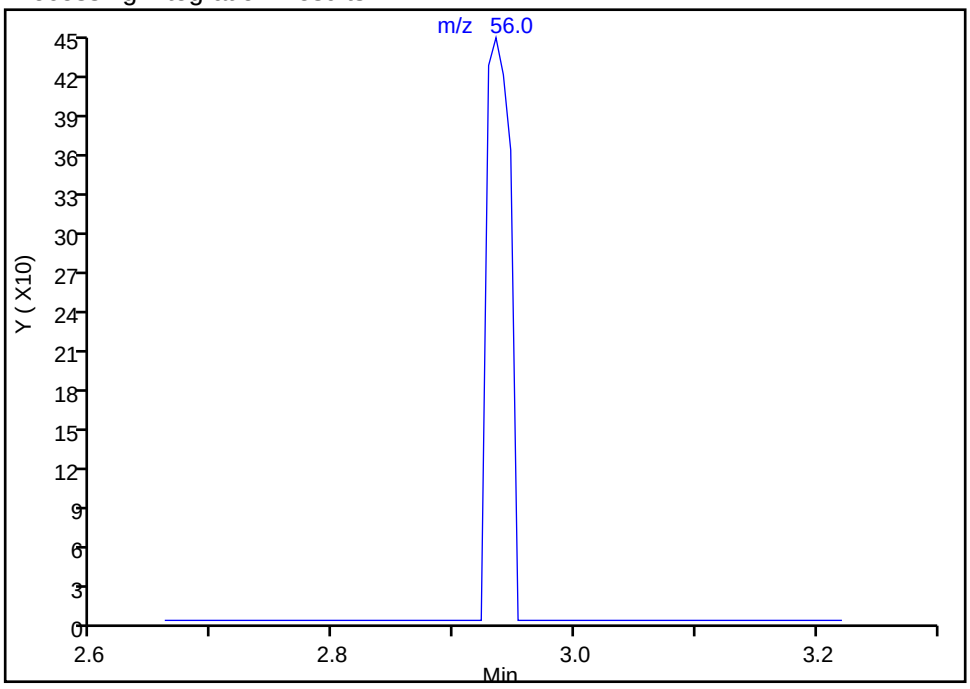
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

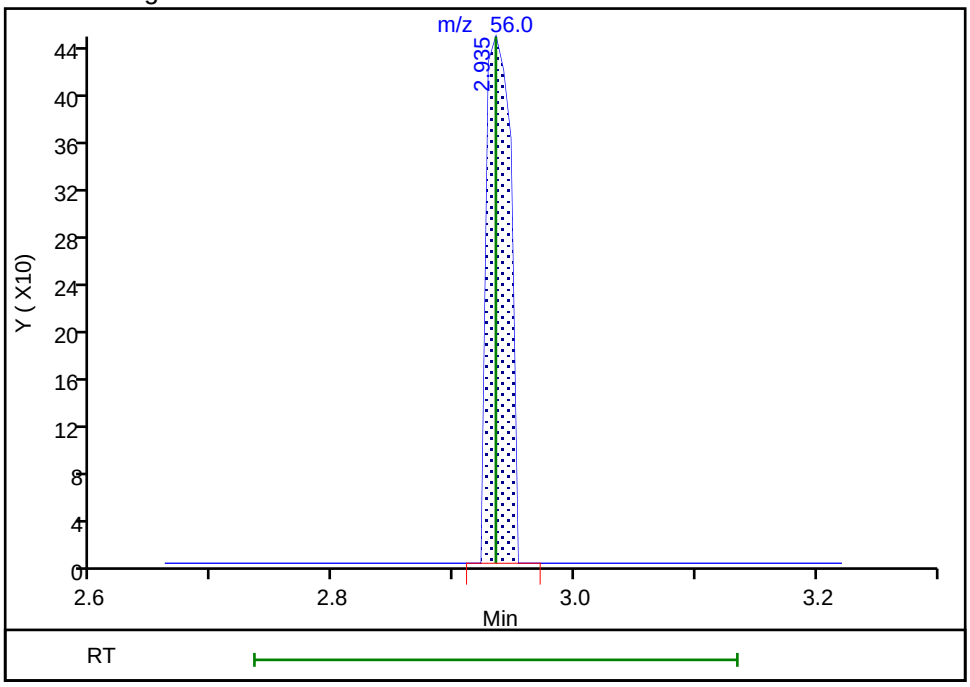
Not Detected
Expected RT: 2.93

Processing Integration Results



Manual Integration Results

RT: 2.93
Area: 596
Amount: 1.104533
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:26:41
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

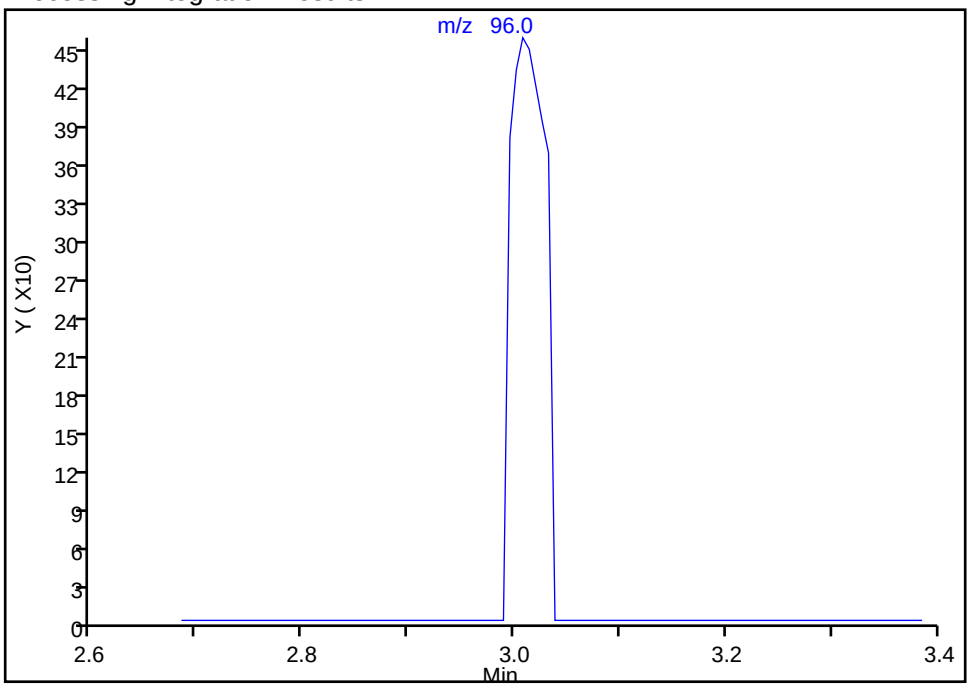
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

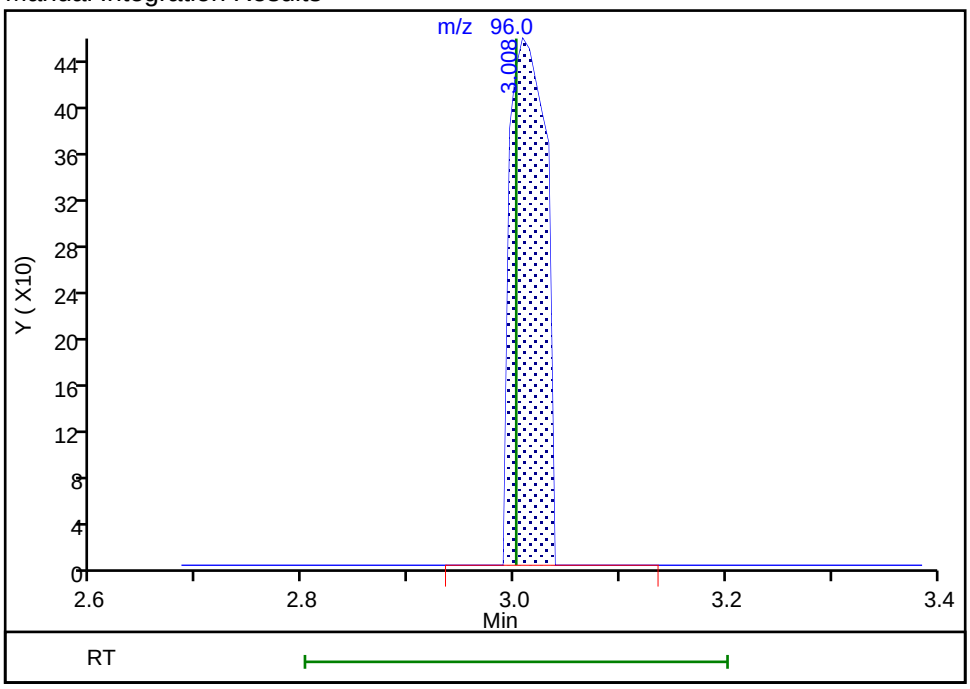
Not Detected
Expected RT: 3.00

Processing Integration Results



Manual Integration Results

RT: 3.01
Area: 1054
Amount: 0.156007
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:26:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

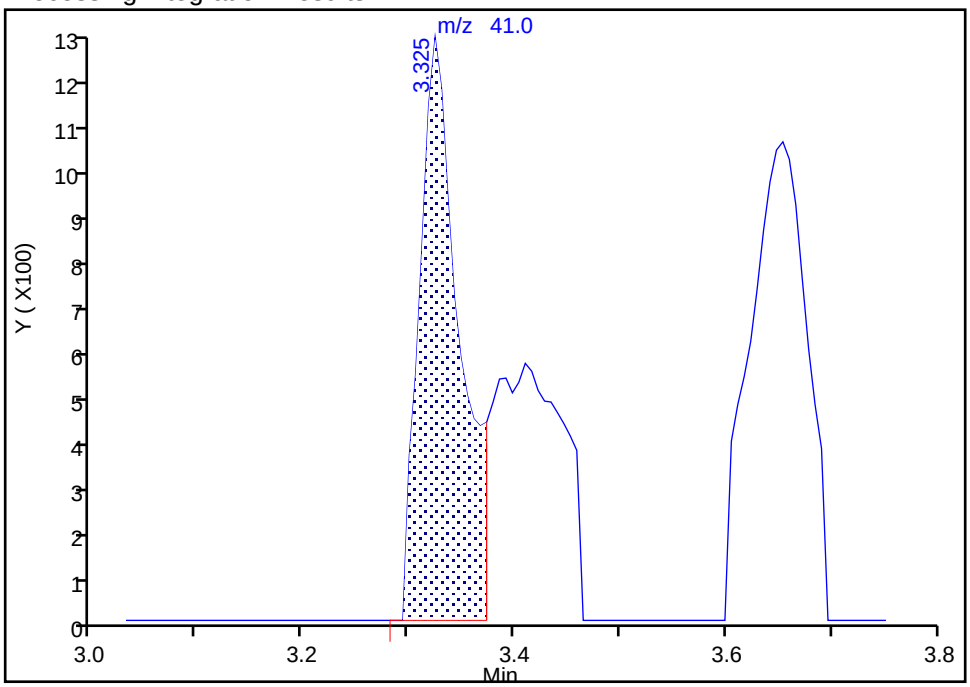
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

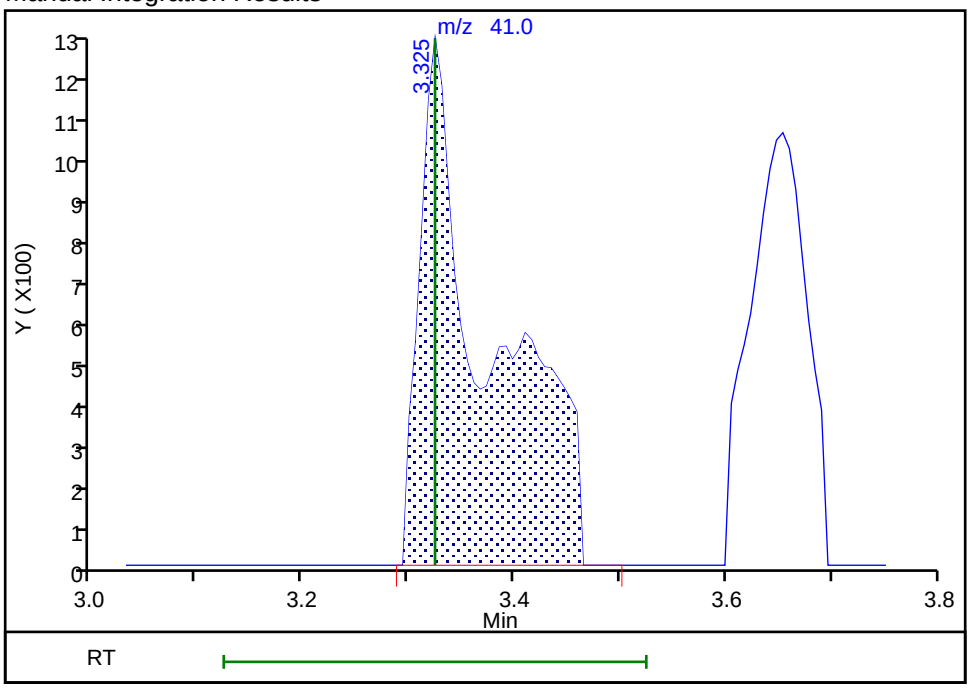
Processing Integration Results

RT: 3.32
Area: 3373
Amount: 0.364535
Amount Units: ug/L



Manual Integration Results

RT: 3.32
Area: 5835
Amount: 0.419608
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:37:00
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

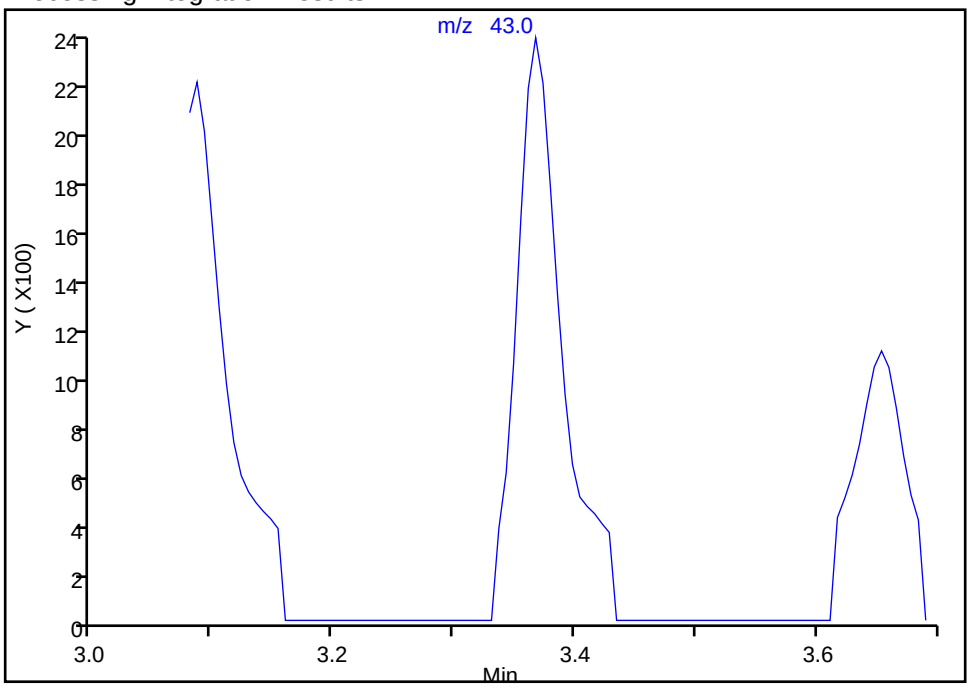
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

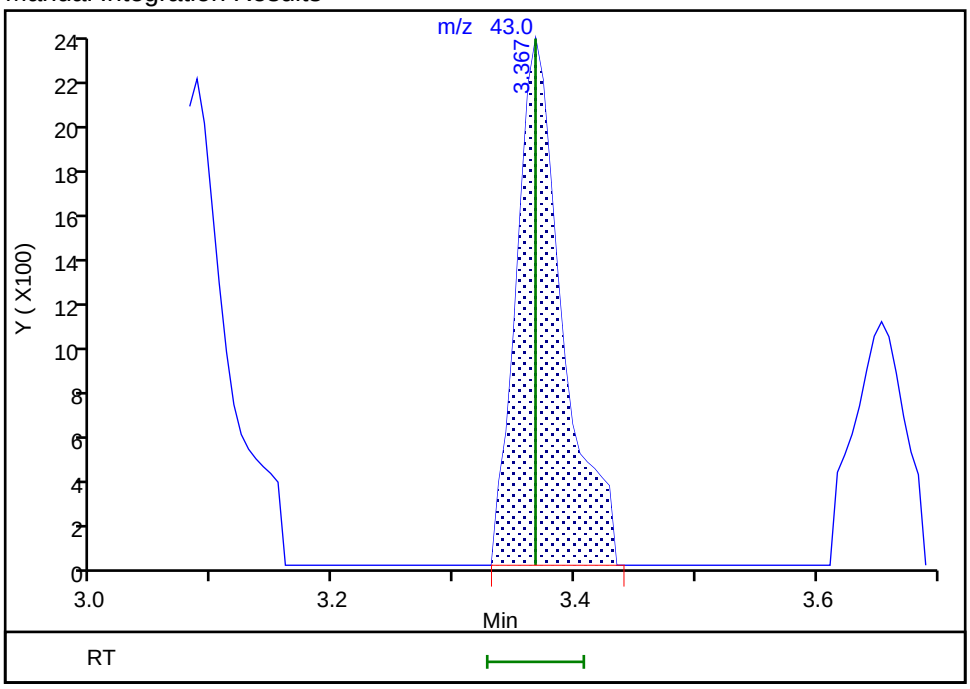
Not Detected
Expected RT: 3.37

Processing Integration Results



Manual Integration Results

RT: 3.37
Area: 6212
Amount: 0.857084
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:26:54
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

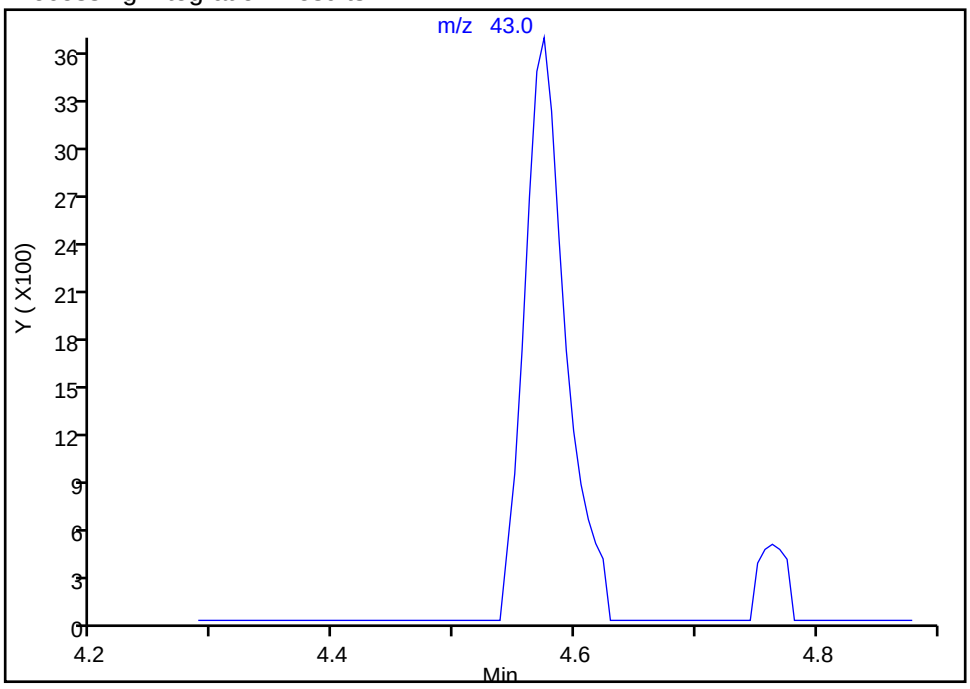
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

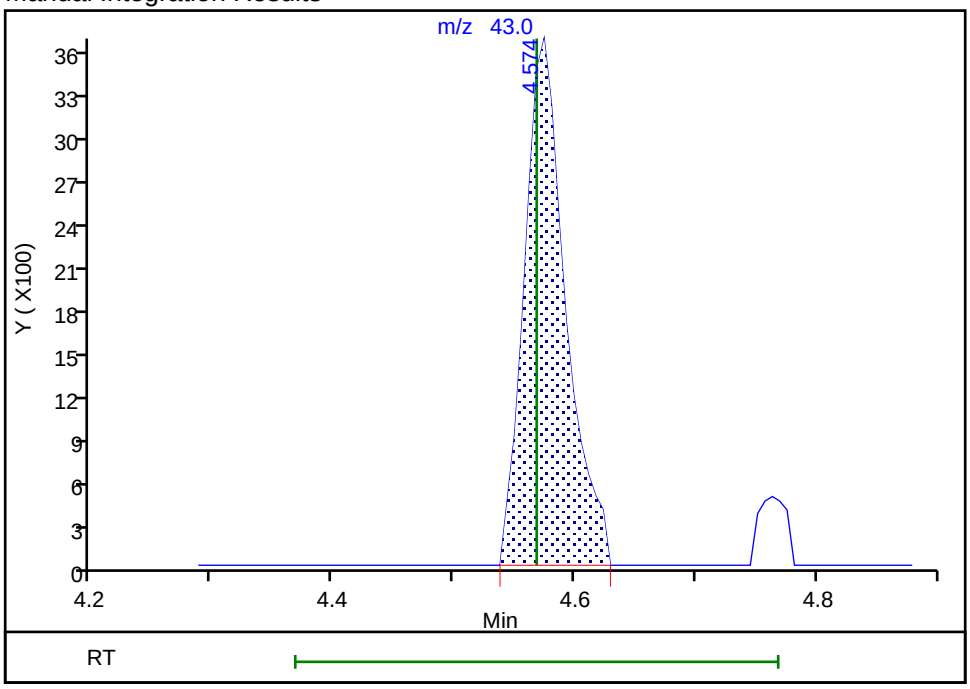
Not Detected
Expected RT: 4.57

Processing Integration Results



Manual Integration Results

RT: 4.57
Area: 8657
Amount: 1.898359
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:27:10
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

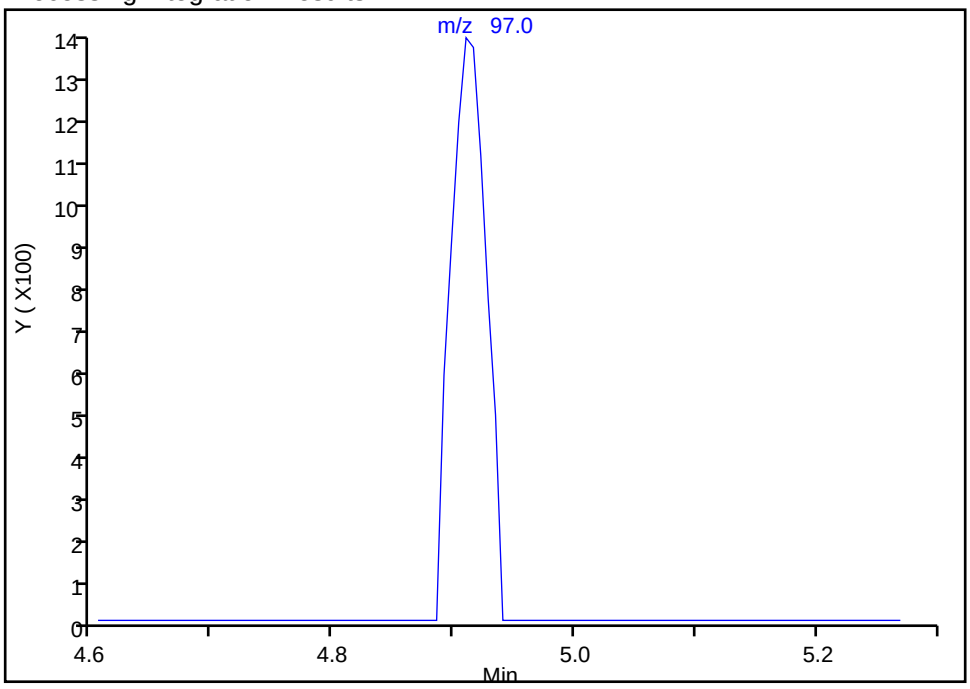
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

51 1,1,1-Trichloroethane, CAS: 71-55-6

Signal: 1

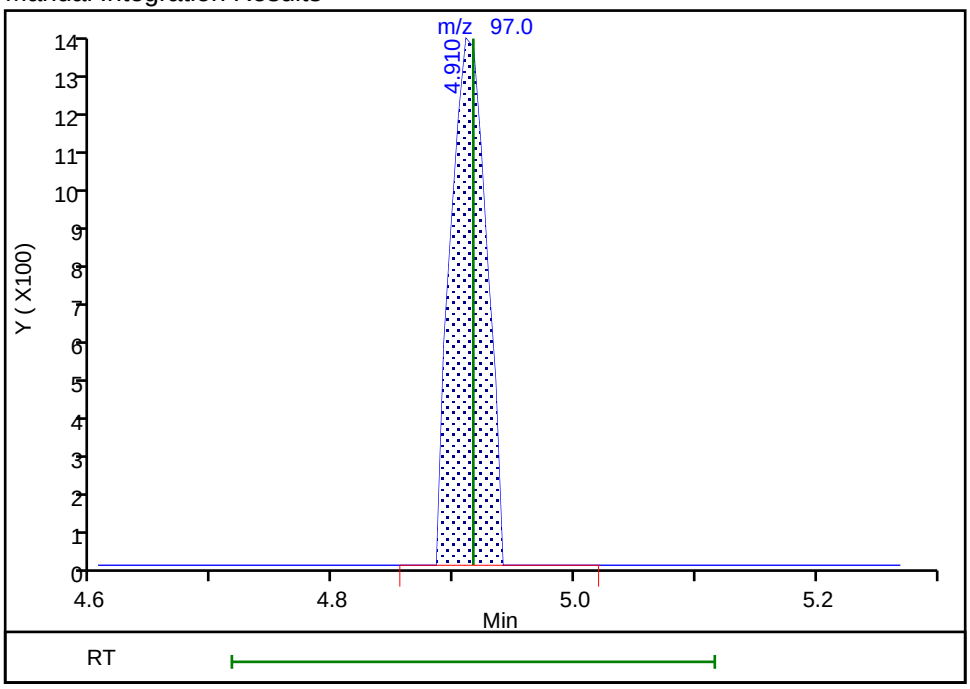
Not Detected
Expected RT: 4.92

Processing Integration Results



Manual Integration Results

RT: 4.91
Area: 2692
Amount: 0.221576
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:27:25
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

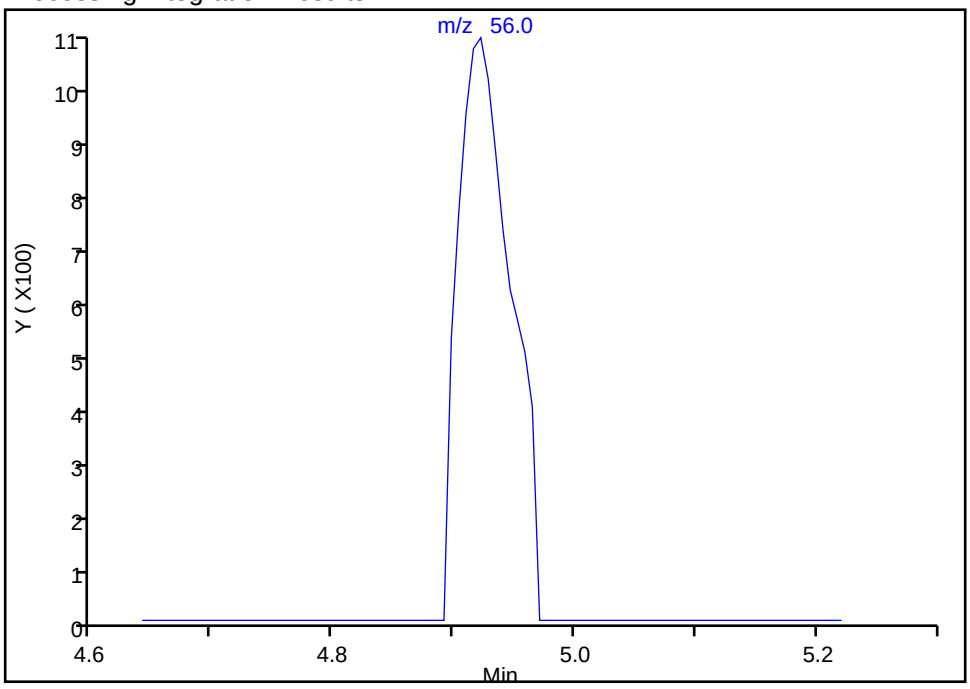
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

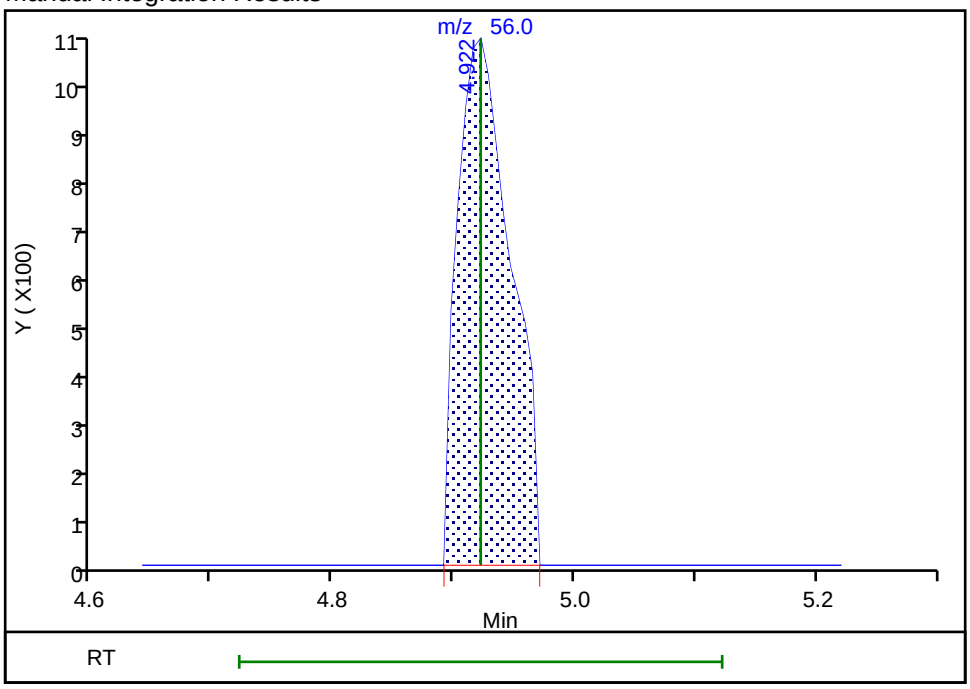
Not Detected
Expected RT: 4.92

Processing Integration Results



Manual Integration Results

RT: 4.92
Area: 3076
Amount: 0.226833
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:27:30
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

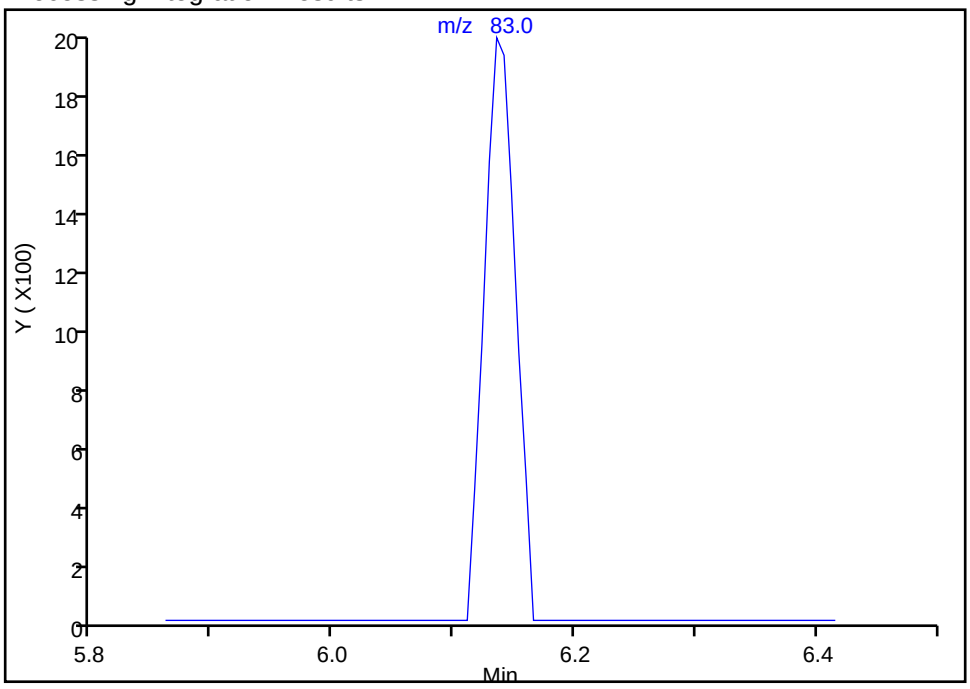
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

68 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

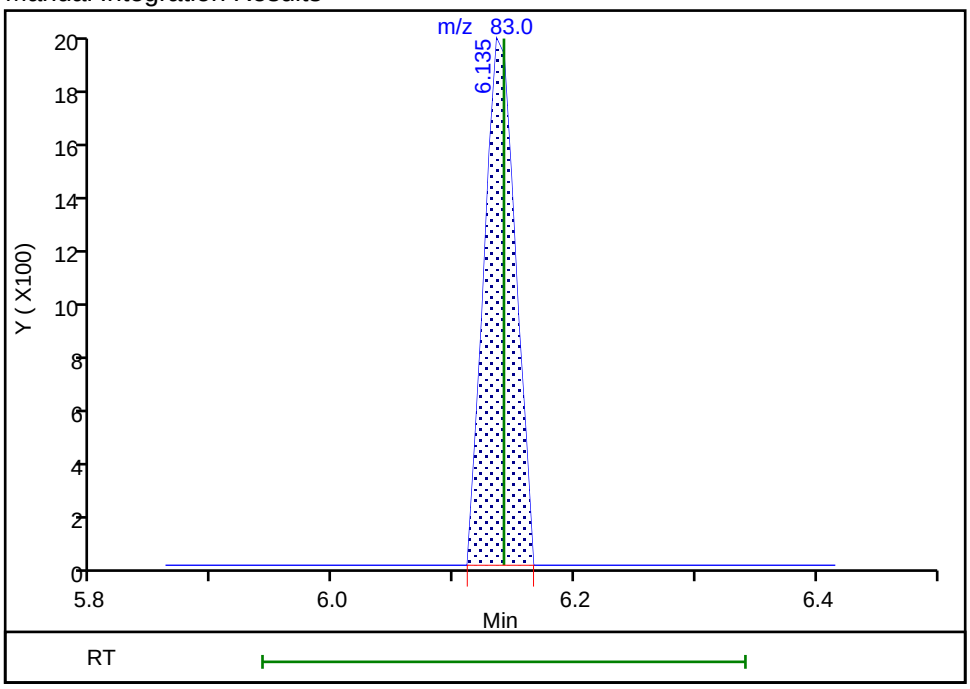
Not Detected
Expected RT: 6.14

Processing Integration Results



Manual Integration Results

RT: 6.14
Area: 3492
Amount: 0.323648
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:27:47
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

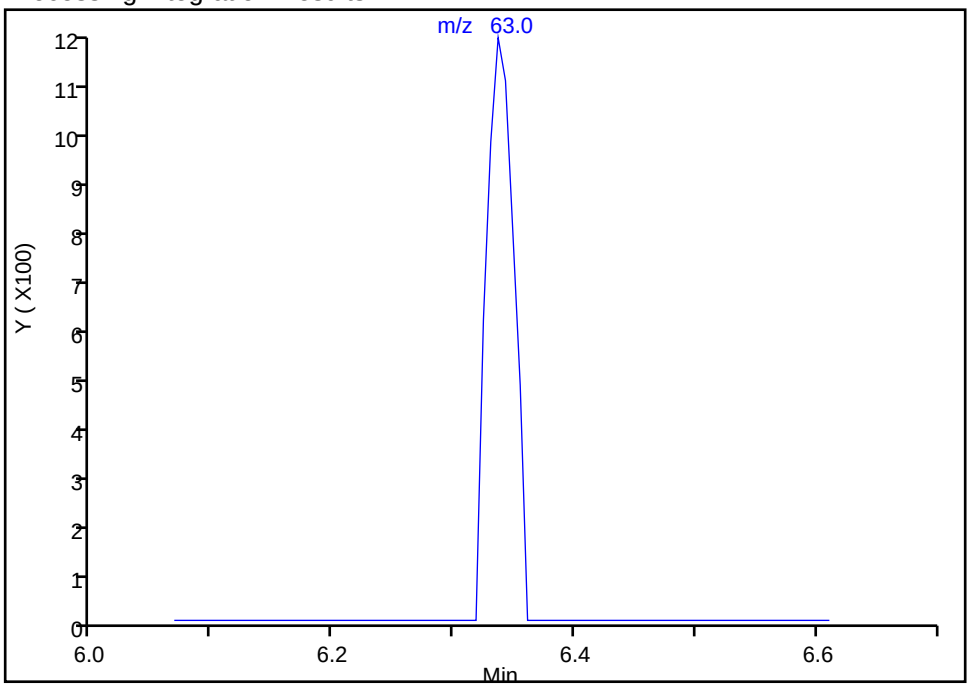
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

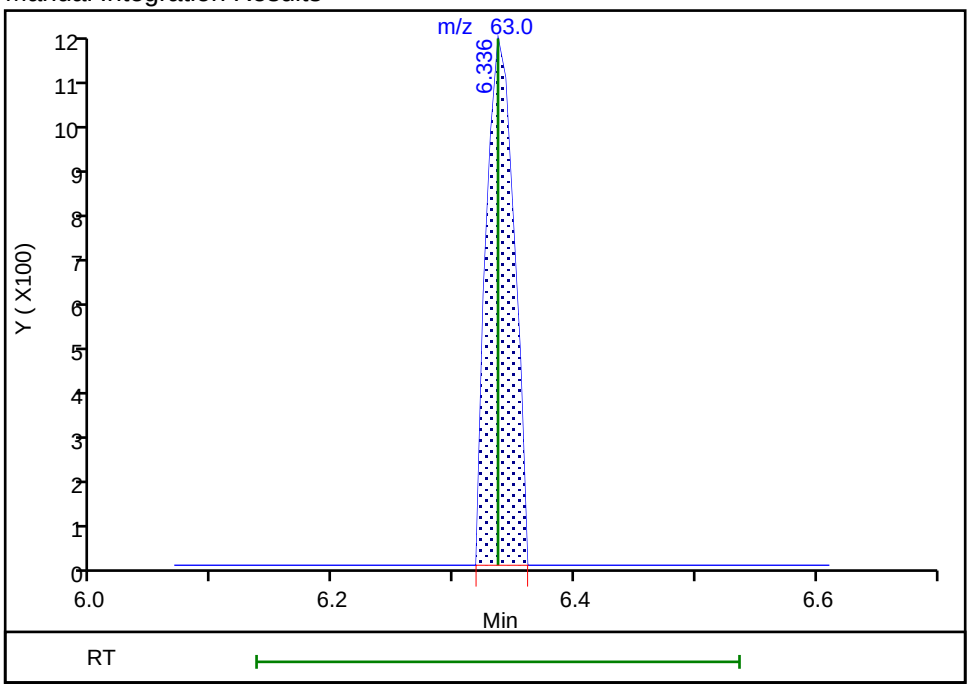
Not Detected
Expected RT: 6.34

Processing Integration Results



Manual Integration Results

RT: 6.34
Area: 1783
Amount: 0.332416
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:27:52
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

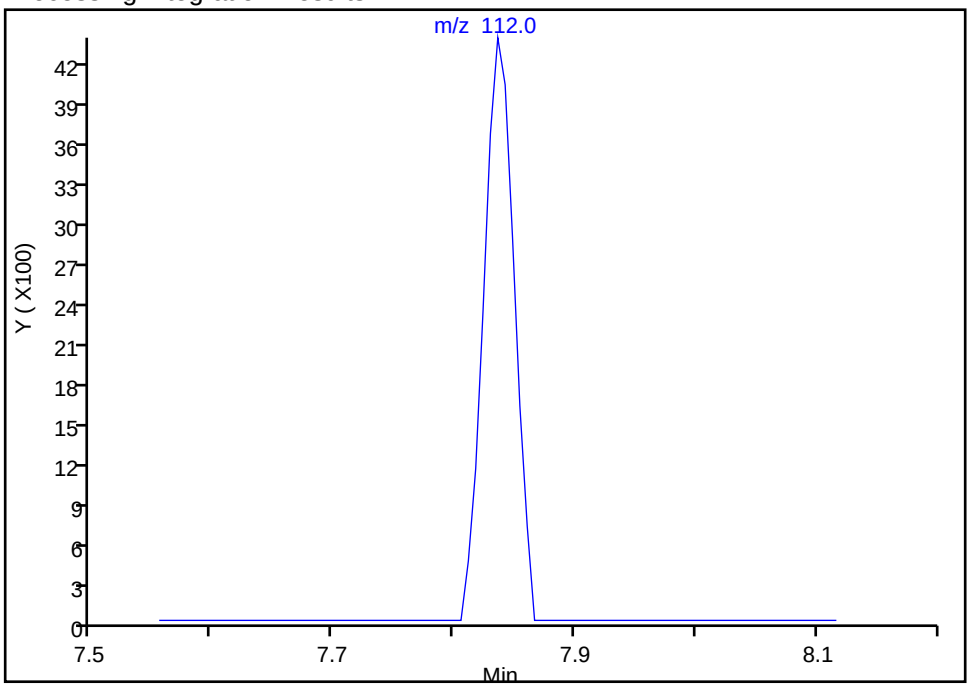
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

87 Chlorobenzene, CAS: 108-90-7

Signal: 1

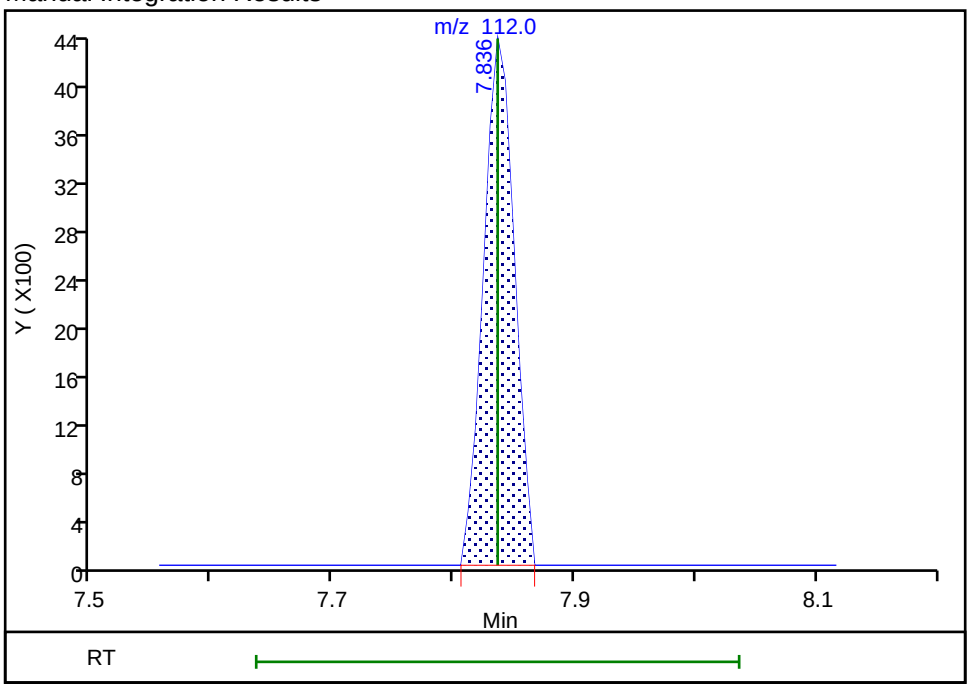
Not Detected
Expected RT: 7.84

Processing Integration Results



Manual Integration Results

RT: 7.84
Area: 7627
Amount: 0.332817
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:28:06
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

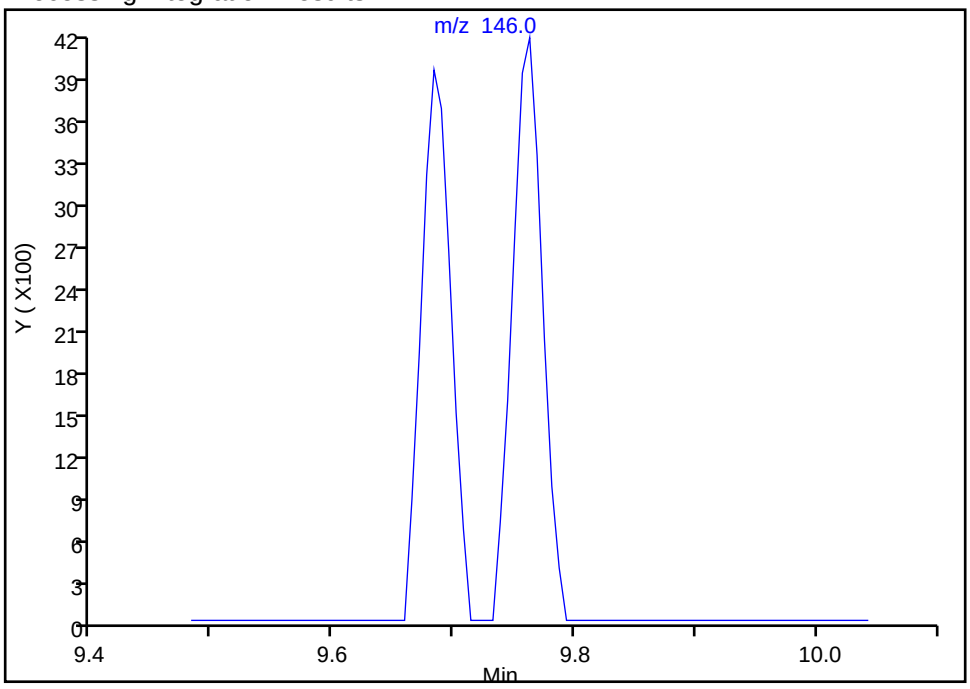
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

113 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

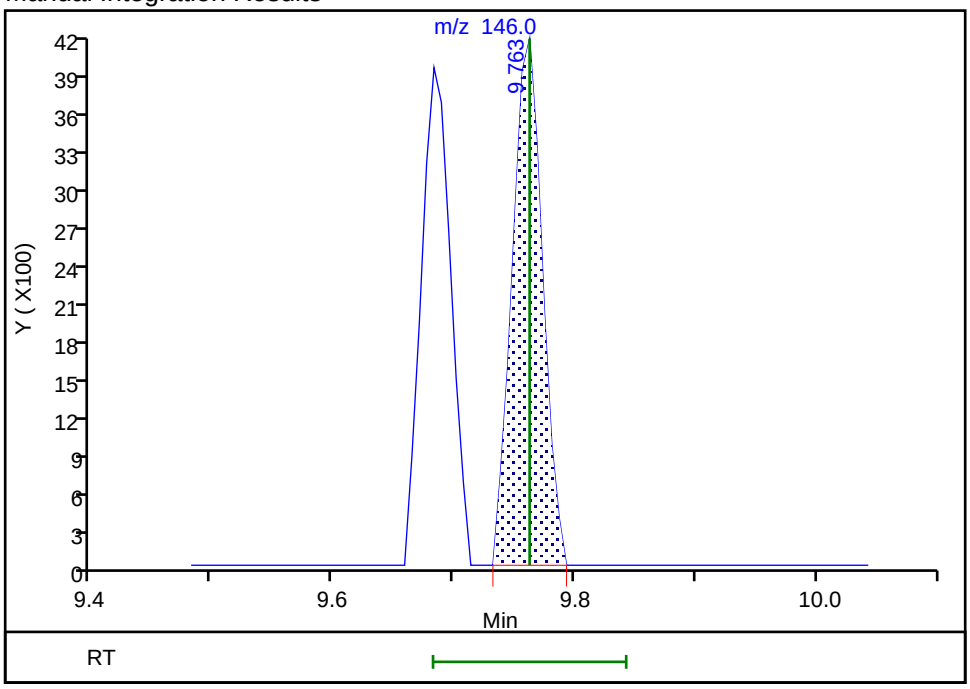
Not Detected
Expected RT: 9.76

Processing Integration Results



Manual Integration Results

RT: 9.76
Area: 7306
Amount: 0.362802
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:28:25
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

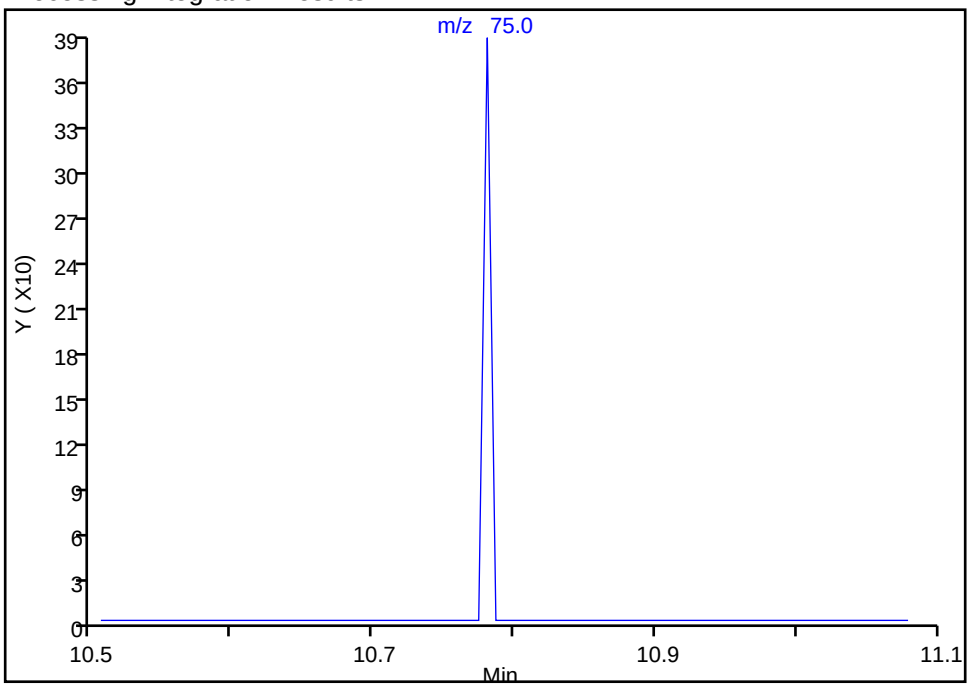
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

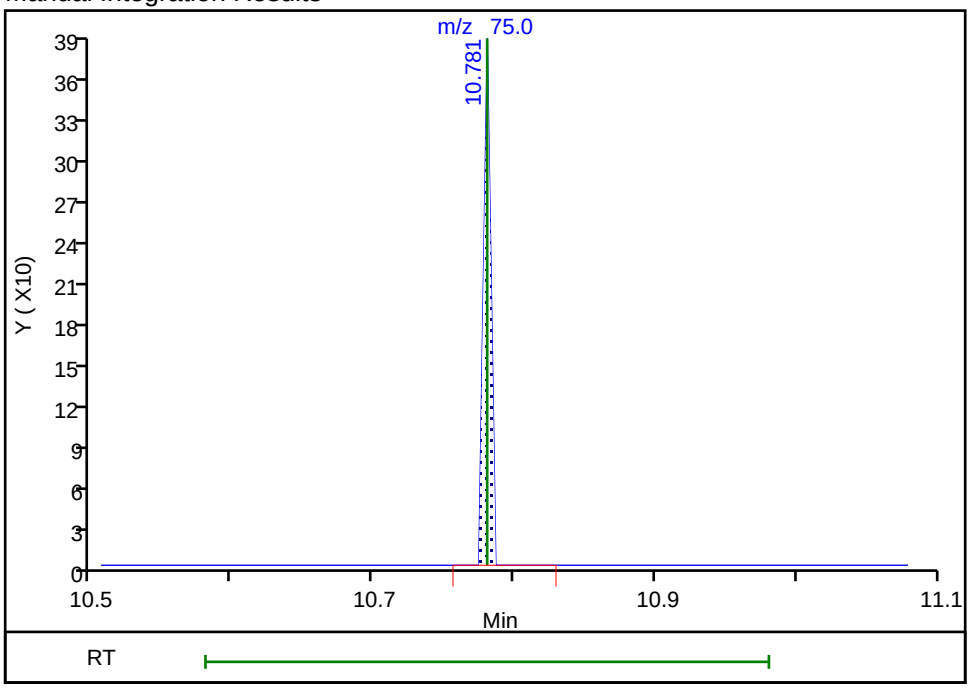
Not Detected
Expected RT: 10.78

Processing Integration Results



Manual Integration Results

RT: 10.78
Area: 141
Amount: 0.071717
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:28:39
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

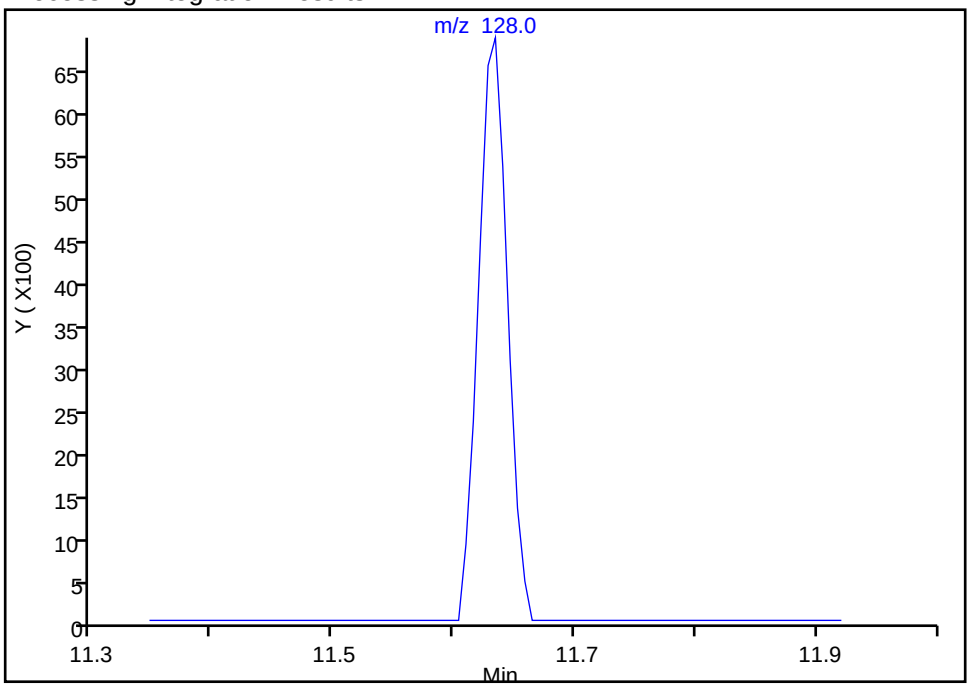
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

121 Naphthalene, CAS: 91-20-3

Signal: 1

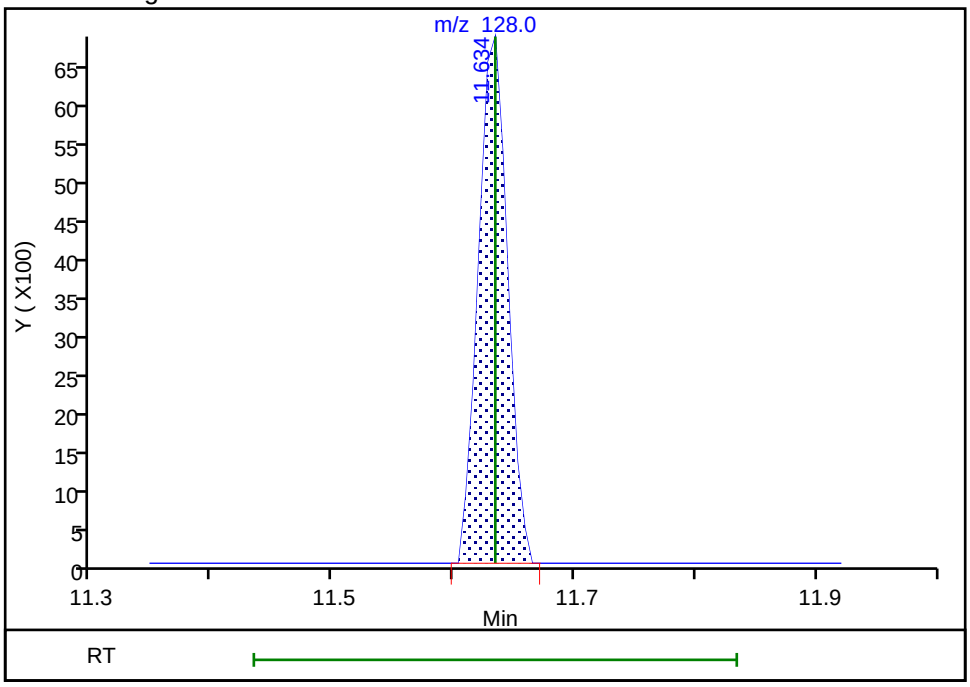
Not Detected
Expected RT: 11.63

Processing Integration Results



Manual Integration Results

RT: 11.63
Area: 11490
Amount: 0.333786
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:28:46
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

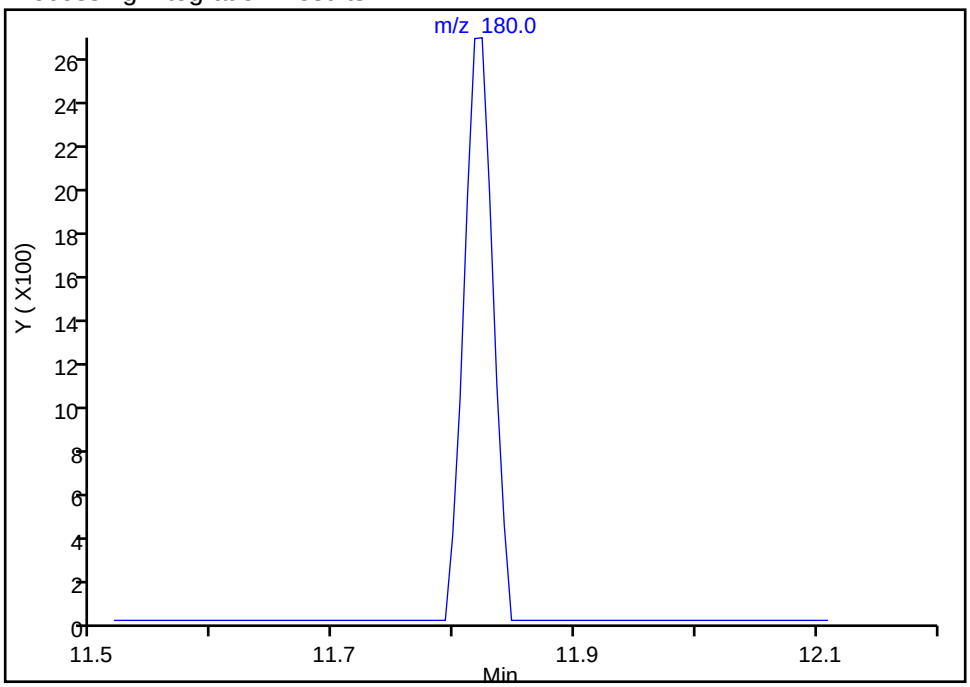
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34099.D
Injection Date: 16-Jul-2020 14:45:30 Instrument ID: HP5975D
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

122 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

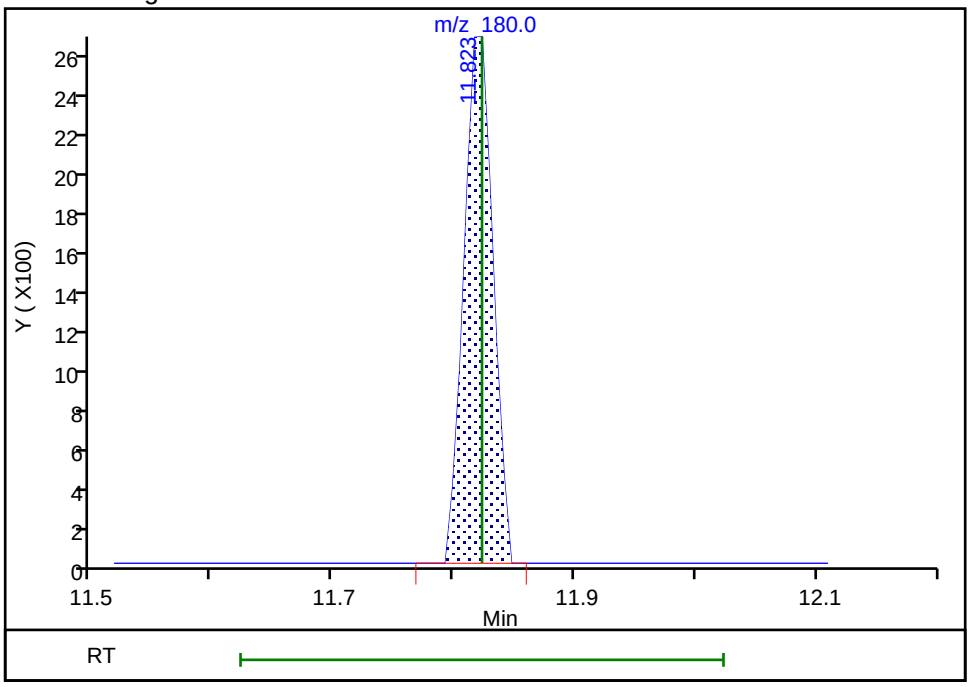
Not Detected
Expected RT: 11.82

Processing Integration Results



Manual Integration Results

RT: 11.82
Area: 4478
Amount: 0.324862
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:28:51
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34100.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Jul-2020 15:09:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0092073-008
Operator ID: RF Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Jul-2020 22:55:11 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1024

First Level Reviewer: farrellr Date: 20-Jul-2020 10:31:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.434	-0.006	98	153301	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.811	7.818	-0.007	87	324872	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.744	-0.006	96	346213	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.946	0.000	92	228194	25.0	24.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	100	134031	25.0	24.7	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	95	762114	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	93	269846	25.0	24.2	
10 Dichlorodifluoromethane	85	1.447	1.453	-0.006	97	8293	1.00	0.7620	
12 Chloromethane	50	1.648	1.666	-0.018	97	11680	1.00	0.9491	
13 Vinyl chloride	62	1.764	1.770	-0.006	94	9212	1.00	0.9605	
144 Butadiene	54	1.800	1.807	-0.007	88	7188	1.00	0.7547	
14 Bromomethane	94	2.136	2.148	-0.012	89	6971	1.00	0.99	
15 Chloroethane	64	2.245	2.240	0.005	91	6979	1.00	1.09	
17 Trichlorofluoromethane	101	2.483	2.483	0.000	62	9226	1.00	1.01	
16 Dichlorofluoromethane	67	2.483	2.489	-0.006	93	16247	1.00	1.03	
18 Ethyl ether	59	2.739	2.739	0.000	97	6469	1.00	0.9890	
20 Acrolein	56	2.934	2.934	0.000	0	2509	5.00	4.53	M
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.989	2.983	0.006	78	5603	1.00	0.7078	
22 1,1-Dichloroethene	96	3.008	3.002	0.006	96	5730	1.00	0.8271	
23 Acetone	43	3.087	3.087	0.000	98	15531	5.00	5.29	
25 Iodomethane	142	3.184	3.172	0.012	97	14275	1.00	0.8820	
26 Carbon disulfide	76	3.203	3.203	0.000	98	21745	1.00	0.9592	
28 3-Chloro-1-propene	41	3.325	3.325	0.000	88	16287	1.00	1.14	M
27 Methyl acetate	43	3.367	3.367	0.000	98	15754	2.00	2.12	
30 Methylene Chloride	84	3.520	3.514	0.006	97	10342	1.00	0.9779	
31 2-Methyl-2-propanol	59	3.617	3.617	0.000	96	8462	10.0	9.12	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	98	21949	1.00	0.9737	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	95	7069	1.00	0.8942	
33 Acrylonitrile	53	3.733	3.733	0.000	98	33139	10.0	10.1	
35 Hexane	57	3.843	3.843	0.000	96	10211	1.00	0.8583	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.056	4.062	-0.006	95	14415	1.00	0.99	
37 Vinyl acetate	43	4.093	4.093	0.000	98	36288	2.00	1.82	
44 2,2-Dichloropropane	77	4.513	4.520	-0.007	89	6783	1.00	0.8988	
45 cis-1,2-Dichloroethene	96	4.544	4.550	-0.006	82	8573	1.00	0.9852	
43 2-Butanone (MEK)	43	4.574	4.568	0.006	99	23327	5.00	4.99	
48 Chlorobromomethane	128	4.751	4.757	-0.006	96	4708	1.00	0.9403	
49 Tetrahydrofuran	42	4.769	4.763	0.006	84	7058	2.00	2.25	
50 Chloroform	83	4.812	4.812	0.000	96	17012	1.00	1.07	
51 1,1,1-Trichloroethane	97	4.910	4.916	-0.006	96	10636	1.00	0.8537	
52 Cyclohexane	56	4.916	4.922	-0.006	94	11691	1.00	0.8407	
55 Carbon tetrachloride	117	5.025	5.032	-0.007	96	9570	1.00	0.8168	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	92	10259	1.00	0.9096	
53 Isobutyl alcohol	43	5.202	5.196	0.006	90	9215	25.0	23.7	
57 Benzene	78	5.214	5.215	-0.001	92	30498	1.00	1.02	
58 1,2-Dichloroethane	62	5.269	5.269	0.000	95	13712	1.00	1.02	
59 n-Heptane	43	5.330	5.330	0.000	91	13078	1.00	0.9475	
62 Trichloroethene	95	5.708	5.708	0.000	96	8254	1.00	0.9690	
64 Methylcyclohexane	83	5.806	5.812	-0.006	94	10608	1.00	0.8123	
65 1,2-Dichloropropane	63	5.909	5.910	-0.001	88	8329	1.00	0.99	
66 1,4-Dioxane	88	6.019	6.019	0.000	0	426	20.0	19.2	M
67 Dibromomethane	93	6.025	6.031	-0.006	95	5903	1.00	0.9423	
68 Dichlorobromomethane	83	6.135	6.141	-0.006	95	10444	1.00	0.9440	
69 2-Chloroethyl vinyl ether	63	6.336	6.336	0.000	93	4954	1.00	0.9007	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	89	12388	1.00	0.9311	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.562	0.000	98	49078	5.00	4.88	
74 Toluene	92	6.696	6.696	0.000	98	19697	1.00	1.02	
77 trans-1,3-Dichloropropene	75	6.903	6.909	-0.006	98	11138	1.00	0.8875	
75 Ethyl methacrylate	69	6.915	6.915	0.000	96	9940	1.00	0.9531	
79 1,1,2-Trichloroethane	83	7.062	7.062	0.000	92	6489	1.00	0.9757	
81 Tetrachloroethene	166	7.116	7.123	-0.007	89	8538	1.00	0.8918	
82 1,3-Dichloropropane	76	7.196	7.196	0.000	89	12749	1.00	1.00	
80 2-Hexanone	43	7.220	7.220	0.000	98	36509	5.00	4.99	
83 Chlorodibromomethane	129	7.385	7.385	0.000	88	8057	1.00	0.8827	
84 Ethylene Dibromide	107	7.482	7.482	0.000	99	8358	1.00	0.9342	
87 Chlorobenzene	112	7.836	7.836	0.000	97	23840	1.00	1.03	
88 Ethylbenzene	91	7.891	7.891	0.000	98	35566	1.00	0.9835	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.903	0.000	91	7720	1.00	0.9366	
90 m-Xylene & p-Xylene	106	7.982	7.982	0.000	98	13832	1.00	0.9650	
91 o-Xylene	106	8.317	8.318	-0.001	97	13728	1.00	0.9801	
92 Styrene	104	8.336	8.336	0.000	95	22689	1.00	0.9341	
95 Bromoform	173	8.555	8.555	0.000	93	5256	1.00	0.7949	
94 Isopropylbenzene	105	8.598	8.604	-0.006	96	34941	1.00	1.01	
101 Bromobenzene	156	8.909	8.915	-0.006	91	10928	1.00	1.02	
97 1,1,2,2-Tetrachloroethane	83	8.921	8.921	0.000	95	10904	1.00	0.9825	
99 N-Propylbenzene	91	8.939	8.946	-0.007	98	41492	1.00	0.9879	
98 trans-1,4-Dichloro-2-butene	53	8.951	8.958	-0.007	72	2751	1.00	0.8163	
100 1,2,3-Trichloropropane	110	8.964	8.964	0.000	90	2769	1.00	0.9241	
103 2-Chlorotoluene	126	9.049	9.049	0.000	97	9065	1.00	0.99	
102 1,3,5-Trimethylbenzene	105	9.079	9.080	-0.001	94	29429	1.00	0.9810	
105 4-Chlorotoluene	126	9.140	9.141	-0.001	96	10091	1.00	1.04	
106 tert-Butylbenzene	134	9.360	9.360	0.000	93	5722	1.00	0.9508	
107 1,2,4-Trimethylbenzene	105	9.403	9.403	0.000	95	30258	1.00	0.9833	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.537	9.543	-0.006	95	36571	1.00	0.9554	
110 4-Isopropyltoluene	119	9.653	9.653	0.000	96	31802	1.00	0.9585	
111 1,3-Dichlorobenzene	146	9.683	9.689	-0.006	97	19924	1.00	1.01	
113 1,4-Dichlorobenzene	146	9.762	9.762	0.000	96	20934	1.00	1.03	
115 n-Butylbenzene	91	10.006	10.006	0.000	98	29898	1.00	0.9789	
116 1,2-Dichlorobenzene	146	10.091	10.092	-0.001	95	19835	1.00	1.02	
117 1,2-Dibromo-3-Chloropropane	75	10.780	10.781	-0.001	78	1606	1.00	0.8102	
119 1,2,4-Trichlorobenzene	180	11.421	11.421	-0.001	93	14115	1.00	0.9662	
120 Hexachlorobutadiene	225	11.512	11.512	0.000	95	6256	1.00	1.02	
121 Naphthalene	128	11.634	11.634	0.000	98	32999	1.00	0.9508	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	13825	1.00	0.99	
S 126 1,3-Dichloropropene, Total	1				0			1.82	
S 124 Xylenes, Total	1				0			1.95	
S 125 1,2-Dichloroethene, Total	1				0			1.88	
S 123 Total BTEX	1				0			4.96	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00186	Amount Added:	1.00	Units: uL	
GAS CORP mix_00407	Amount Added:	1.00	Units: uL	
D 8260 IS/SUR_00018	Amount Added:	1.00	Units: uL	Run Reagent

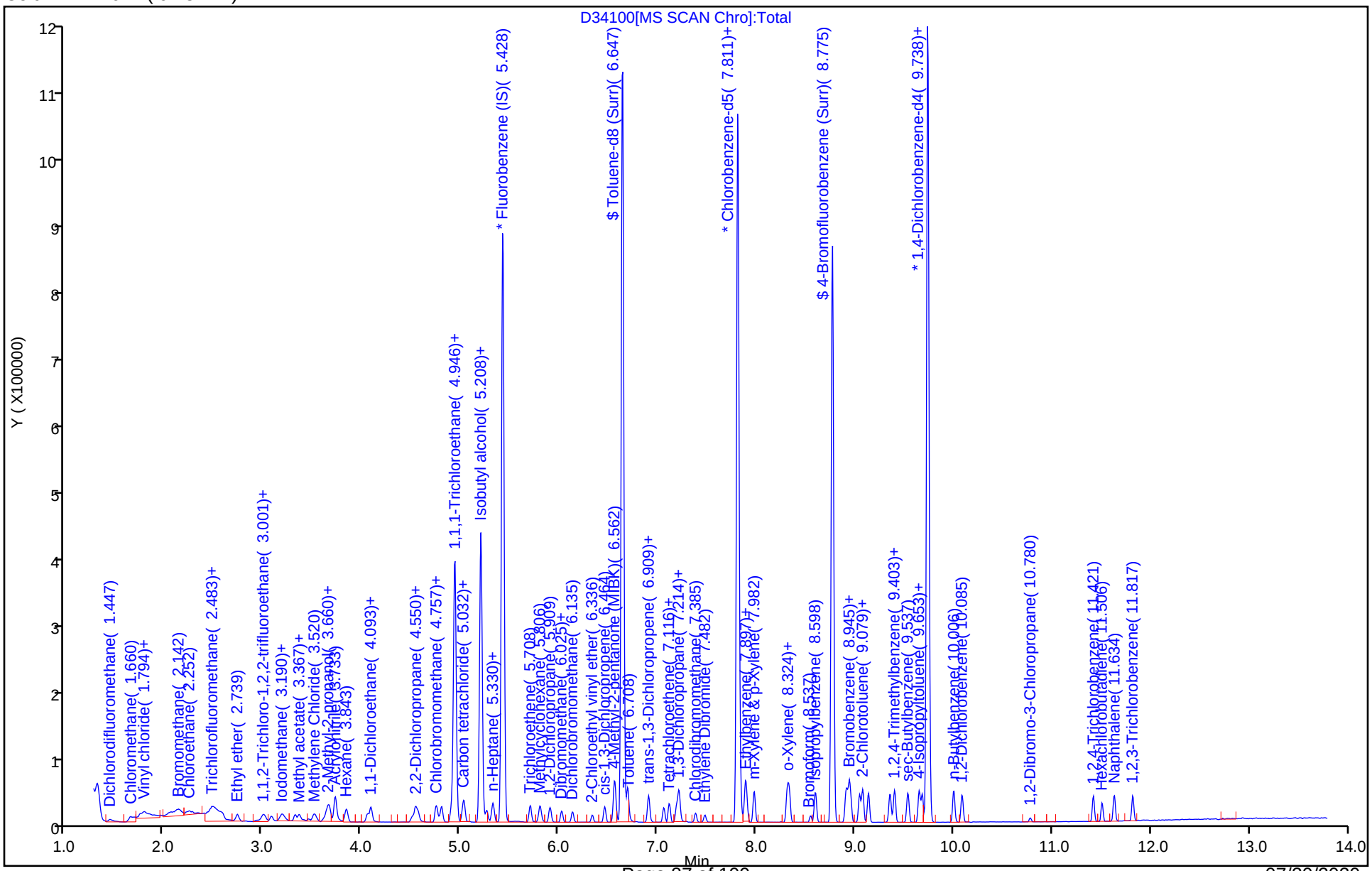
Report Date: 20-Jul-2020 22:55:11 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34100.D

Injection Date:	16-Jul-2020 15:09:30	Instrument ID:	HP5975D	Operator ID:	RF
Lims ID:	IC			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

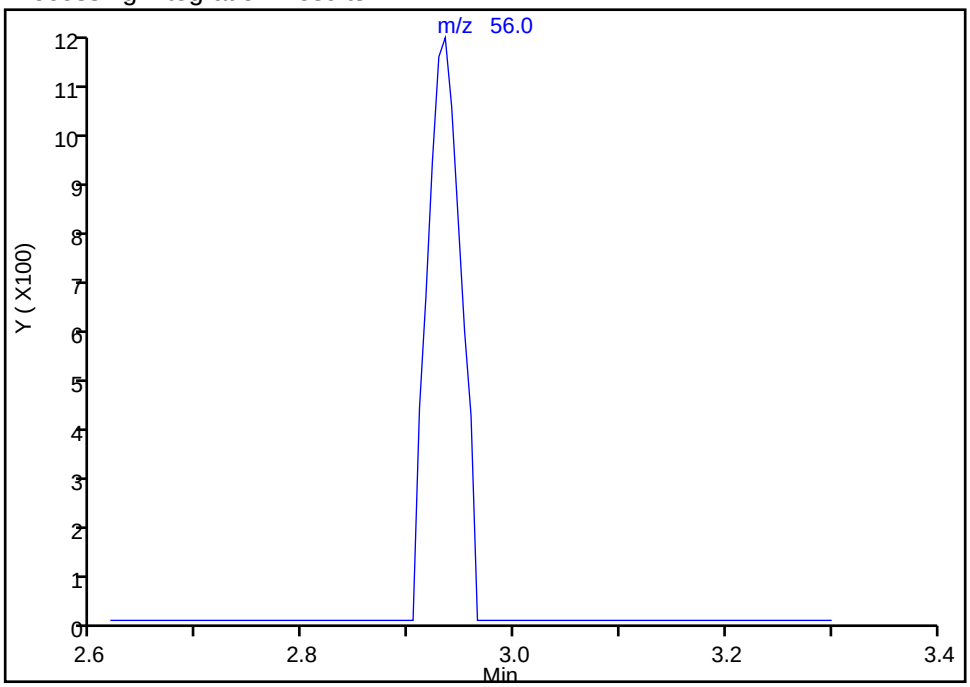
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34100.D
Injection Date: 16-Jul-2020 15:09:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

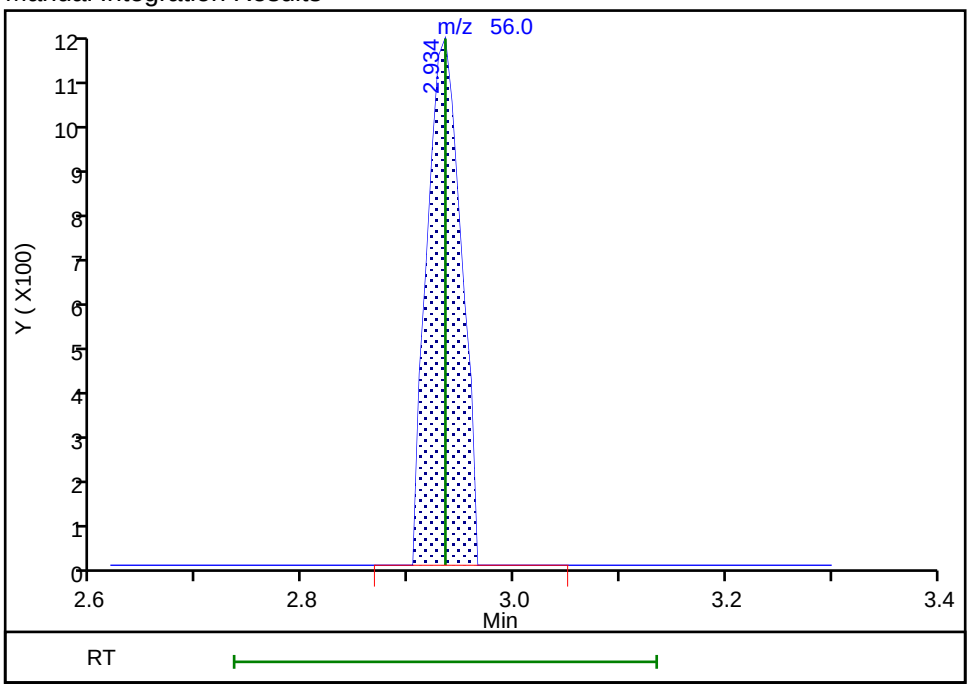
Not Detected
Expected RT: 2.93

Processing Integration Results



Manual Integration Results

RT: 2.93
Area: 2509
Amount: 4.534407
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:29:33
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

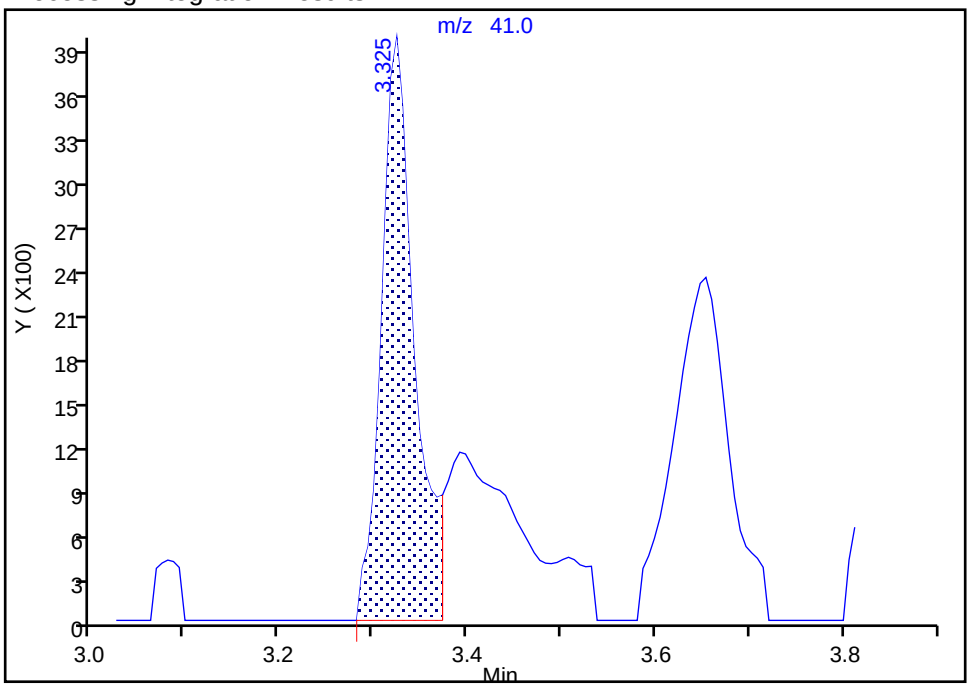
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34100.D
Injection Date: 16-Jul-2020 15:09:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

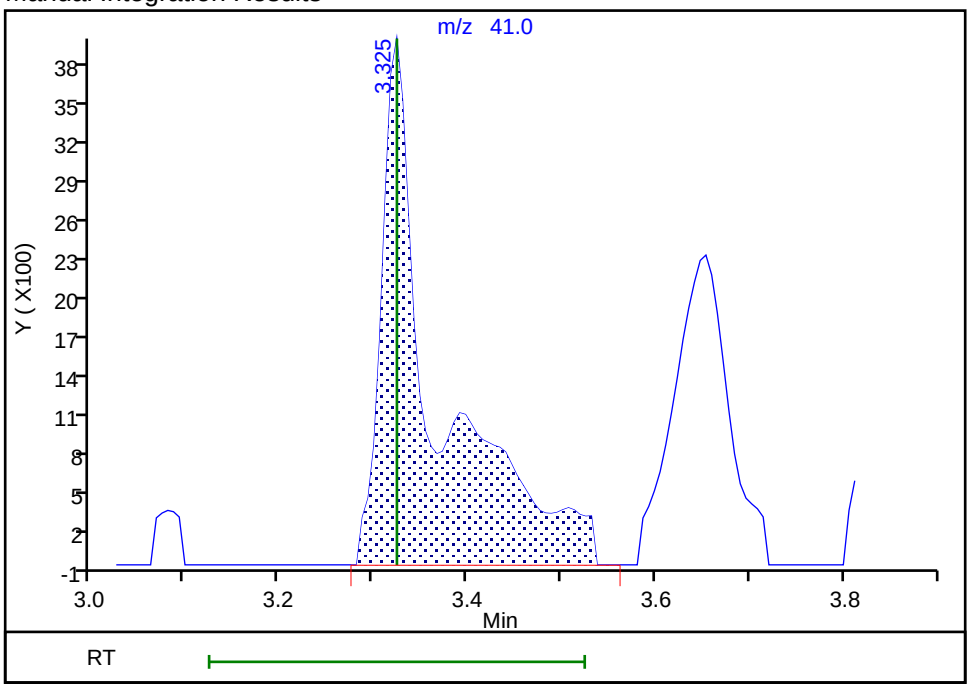
Processing Integration Results

RT: 3.32
Area: 9738
Amount: 0.869952
Amount Units: ug/L



Manual Integration Results

RT: 3.32
Area: 16287
Amount: 1.142171
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:36:46
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

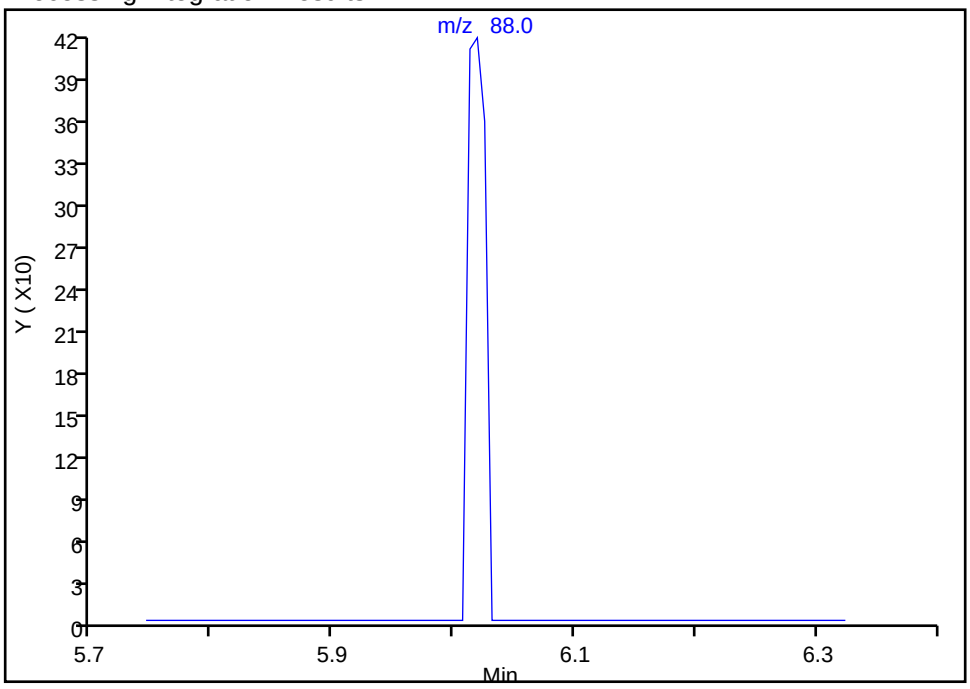
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34100.D
Injection Date: 16-Jul-2020 15:09:30 Instrument ID: HP5975D
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

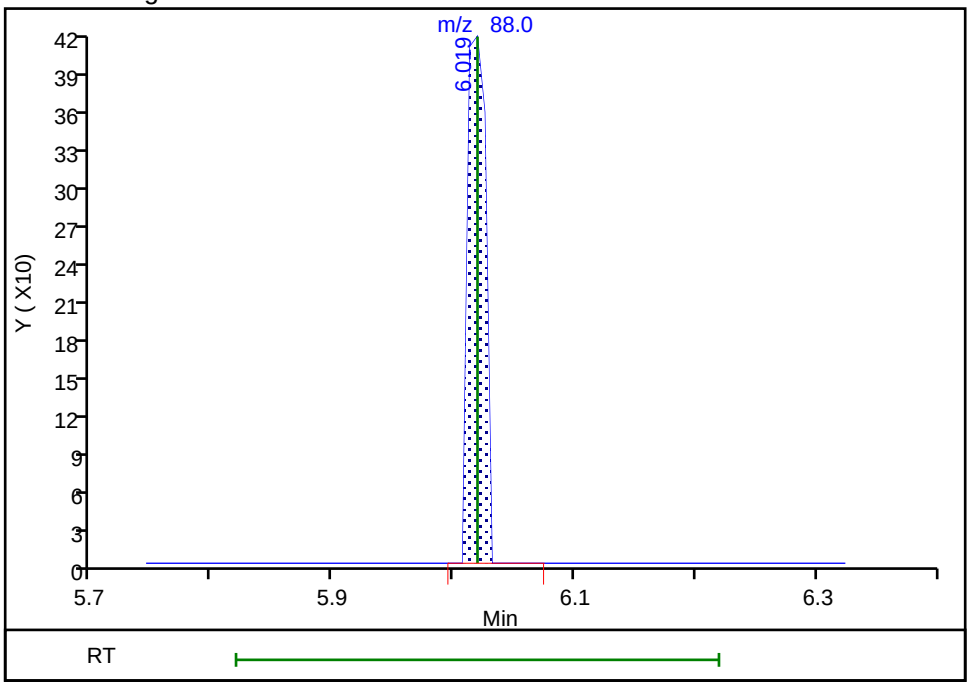
Not Detected
Expected RT: 6.02

Processing Integration Results



RT: 6.02
Area: 426
Amount: 19.222549
Amount Units: ug/L

Manual Integration Results



Reviewer: farrellr, 20-Jul-2020 10:30:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34101.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Jul-2020 15:32:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0092073-009
Operator ID: RF Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Jul-2020 22:55:12 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1024

First Level Reviewer: farrellr Date: 20-Jul-2020 10:32:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.428	5.434	-0.006	98	148985	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.811	7.818	-0.007	87	328331	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.738	9.744	-0.006	95	351501	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.946	0.000	93	226031	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	100	132433	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.641	6.647	-0.006	95	766336	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	93	275309	25.0	24.4	
10 Dichlorodifluoromethane	85	1.447	1.453	-0.006	98	18015	2.00	1.70	
12 Chloromethane	50	1.654	1.666	-0.012	98	23586	2.00	1.97	
13 Vinyl chloride	62	1.764	1.770	-0.006	96	19153	2.00	1.85	
144 Butadiene	54	1.794	1.807	-0.013	93	16746	2.00	1.81	
14 Bromomethane	94	2.148	2.148	0.000	94	12310	2.00	1.80	M
15 Chloroethane	64	2.233	2.240	-0.007	96	12292	2.00	1.97	
17 Trichlorofluoromethane	101	2.477	2.483	-0.006	83	20825	2.00	1.86	
16 Dichlorofluoromethane	67	2.489	2.489	0.000	94	28668	2.00	1.87	
18 Ethyl ether	59	2.739	2.739	0.000	97	12495	2.00	1.97	
20 Acrolein	56	2.928	2.934	-0.006	97	5447	10.0	10.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.977	2.983	-0.006	89	13947	2.00	1.81	
22 1,1-Dichloroethene	96	3.001	3.002	-0.001	98	12546	2.00	1.86	
23 Acetone	43	3.087	3.087	0.000	98	30204	10.0	10.6	
25 Iodomethane	142	3.172	3.172	0.000	98	29838	2.00	1.90	
26 Carbon disulfide	76	3.203	3.203	0.000	99	43357	2.00	1.97	
28 3-Chloro-1-propene	41	3.325	3.325	0.000	85	27070	2.00	1.95	
27 Methyl acetate	43	3.367	3.367	0.000	99	30409	4.00	4.21	
30 Methylene Chloride	84	3.514	3.514	0.000	98	18616	2.00	2.00	
31 2-Methyl-2-propanol	59	3.617	3.617	0.000	99	17494	20.0	19.4	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	99	42078	2.00	1.92	
34 trans-1,2-Dichloroethene	96	3.672	3.678	-0.006	96	14531	2.00	1.89	
33 Acrylonitrile	53	3.733	3.733	0.000	97	66163	20.0	20.8	
35 Hexane	57	3.843	3.843	0.000	94	20927	2.00	1.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.056	4.062	-0.006	96	27510	2.00	1.94	
37 Vinyl acetate	43	4.093	4.093	0.000	97	72283	4.00	3.73	
44 2,2-Dichloropropane	77	4.513	4.520	-0.007	90	13679	2.00	1.87	
45 cis-1,2-Dichloroethene	96	4.544	4.550	-0.006	83	16524	2.00	1.95	
43 2-Butanone (MEK)	43	4.568	4.568	0.000	99	46303	10.0	10.2	
48 Chlorobromomethane	128	4.751	4.757	-0.006	97	9572	2.00	1.97	
49 Tetrahydrofuran	42	4.763	4.763	0.000	86	12888	4.00	4.23	
50 Chloroform	83	4.812	4.812	0.000	95	29926	2.00	1.93	
51 1,1,1-Trichloroethane	97	4.910	4.916	-0.006	97	21991	2.00	1.82	
52 Cyclohexane	56	4.922	4.922	0.000	95	24497	2.00	1.81	
55 Carbon tetrachloride	117	5.025	5.032	-0.007	95	20068	2.00	1.76	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	90	20399	2.00	1.86	
53 Isobutyl alcohol	43	5.196	5.196	0.000	91	19230	50.0	50.8	
57 Benzene	78	5.214	5.215	-0.001	94	56896	2.00	1.96	
58 1,2-Dichloroethane	62	5.269	5.269	0.000	97	26085	2.00	1.99	
59 n-Heptane	43	5.330	5.330	0.000	94	26142	2.00	1.95	
62 Trichloroethene	95	5.708	5.708	0.000	96	16331	2.00	1.97	
64 Methylcyclohexane	83	5.806	5.812	-0.006	95	22941	2.00	1.81	
65 1,2-Dichloropropane	63	5.909	5.910	-0.001	90	16145	2.00	1.98	
66 1,4-Dioxane	88	6.019	6.019	0.000	0	1989	40.0	44.1	M
67 Dibromomethane	93	6.025	6.031	-0.006	96	12213	2.00	2.01	
68 Dichlorobromomethane	83	6.135	6.141	-0.006	96	20205	2.00	1.88	
69 2-Chloroethyl vinyl ether	63	6.336	6.336	0.000	94	9901	2.00	1.85	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	91	24218	2.00	1.87	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.562	0.000	99	97166	10.0	9.56	
74 Toluene	92	6.696	6.696	0.000	98	37103	2.00	1.89	
77 trans-1,3-Dichloropropene	75	6.903	6.909	-0.006	98	23102	2.00	1.82	
75 Ethyl methacrylate	69	6.915	6.915	0.000	93	19016	2.00	1.80	
79 1,1,2-Trichloroethane	83	7.062	7.062	0.000	93	13159	2.00	1.96	
81 Tetrachloroethene	166	7.116	7.123	-0.007	96	17544	2.00	1.81	
82 1,3-Dichloropropane	76	7.190	7.196	-0.006	96	24492	2.00	1.90	
80 2-Hexanone	43	7.214	7.220	-0.006	99	72411	10.0	9.79	
83 Chlorodibromomethane	129	7.385	7.385	0.000	88	16565	2.00	1.80	
84 Ethylene Dibromide	107	7.482	7.482	0.000	98	17338	2.00	1.92	
87 Chlorobenzene	112	7.836	7.836	0.000	96	44754	2.00	1.91	
88 Ethylbenzene	91	7.891	7.891	0.000	99	69777	2.00	1.91	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.903	0.000	91	15130	2.00	1.82	
90 m-Xylene & p-Xylene	106	7.982	7.982	0.000	98	27344	2.00	1.89	
91 o-Xylene	106	8.317	8.318	-0.001	97	27126	2.00	1.92	
92 Styrene	104	8.336	8.336	0.000	96	45678	2.00	1.86	
95 Bromoform	173	8.555	8.555	0.000	94	10755	2.00	1.61	
94 Isopropylbenzene	105	8.598	8.604	-0.006	97	68990	2.00	1.96	
101 Bromobenzene	156	8.909	8.915	-0.006	93	21213	2.00	1.96	
97 1,1,2,2-Tetrachloroethane	83	8.921	8.921	0.000	95	21905	2.00	1.94	
99 N-Propylbenzene	91	8.939	8.946	-0.007	98	83029	2.00	1.95	
98 trans-1,4-Dichloro-2-butene	53	8.958	8.958	0.000	73	5943	2.00	1.74	
100 1,2,3-Trichloropropane	110	8.964	8.964	0.000	89	5990	2.00	1.97	
103 2-Chlorotoluene	126	9.049	9.049	0.000	97	18274	2.00	1.97	
102 1,3,5-Trimethylbenzene	105	9.079	9.080	-0.001	94	58551	2.00	1.92	
105 4-Chlorotoluene	126	9.140	9.141	-0.001	97	19502	2.00	1.97	
106 tert-Butylbenzene	134	9.360	9.360	0.000	93	12222	2.00	2.00	
107 1,2,4-Trimethylbenzene	105	9.403	9.403	0.000	95	60376	2.00	1.93	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.537	9.543	-0.006	95	76146	2.00	1.96	
110 4-Isopropyltoluene	119	9.653	9.653	0.000	97	63879	2.00	1.90	
111 1,3-Dichlorobenzene	146	9.683	9.689	-0.006	97	38862	2.00	1.95	
113 1,4-Dichlorobenzene	146	9.762	9.762	0.000	95	39545	2.00	1.92	
115 n-Butylbenzene	91	10.006	10.006	0.000	98	59062	2.00	1.90	
116 1,2-Dichlorobenzene	146	10.091	10.092	-0.001	97	38447	2.00	1.95	
117 1,2-Dibromo-3-Chloropropane	75	10.780	10.781	-0.001	79	3578	2.00	1.78	
119 1,2,4-Trichlorobenzene	180	11.421	11.421	-0.001	95	28652	2.00	1.93	
120 Hexachlorobutadiene	225	11.512	11.512	0.000	97	13481	2.00	1.96	
121 Naphthalene	128	11.634	11.634	0.000	98	68093	2.00	1.93	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	27491	2.00	1.95	
S 126 1,3-Dichloropropene, Total	1				0			3.69	
S 124 Xylenes, Total	1				0			3.80	
S 125 1,2-Dichloroethene, Total	1				0			3.85	
S 123 Total BTEX	1				0			9.56	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00186	Amount Added:	2.00	Units: uL	
GAS CORP mix_00407	Amount Added:	2.00	Units: uL	
D 8260 IS/SUR_00018	Amount Added:	1.00	Units: uL	Run Reagent

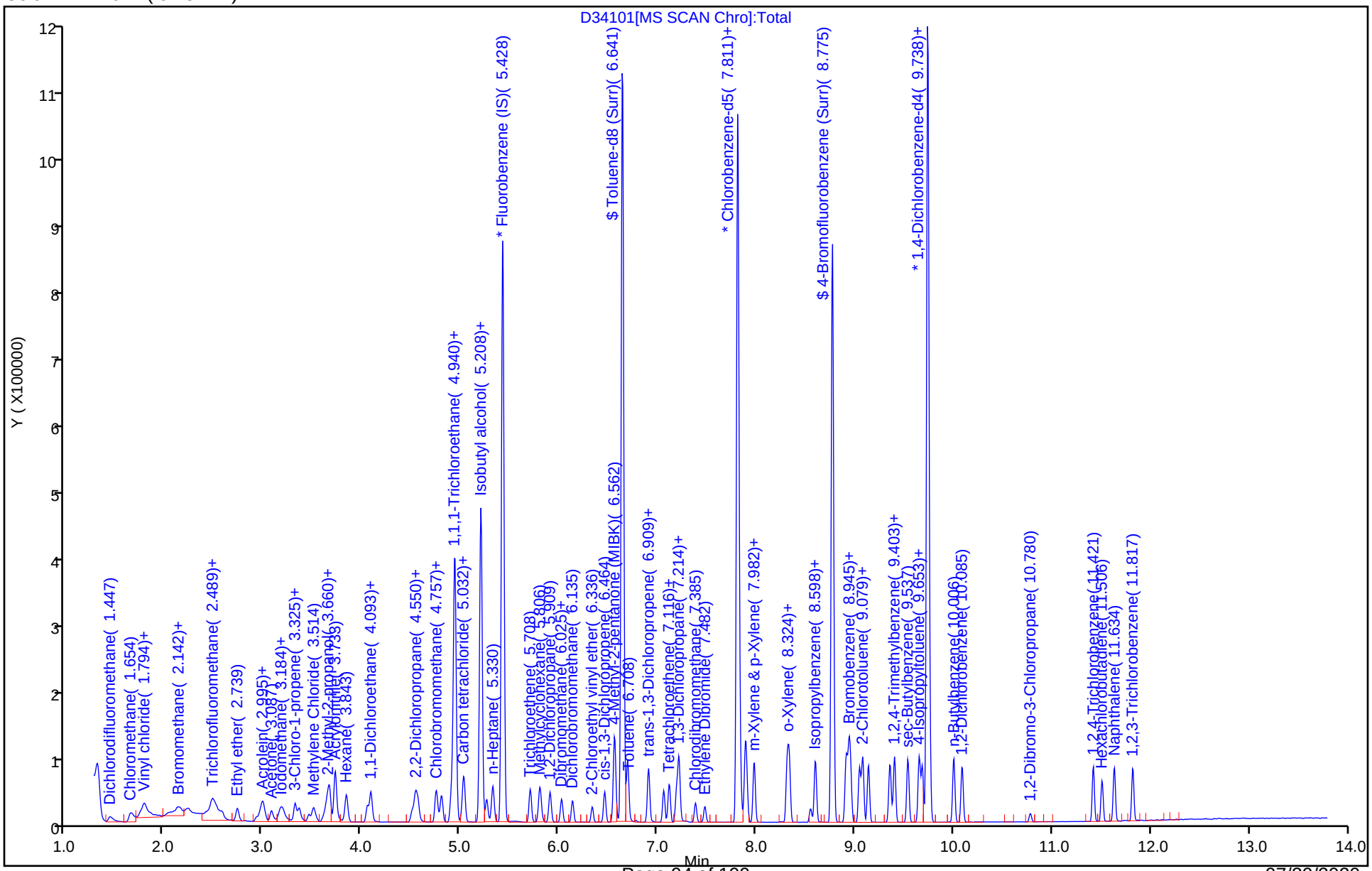
Report Date: 20-Jul-2020 22:55:13 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34101.D

Injection Date:	16-Jul-2020 15:32:30	Instrument ID:	HP5975D	Operator ID:	RF
Lims ID:	IC 2			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

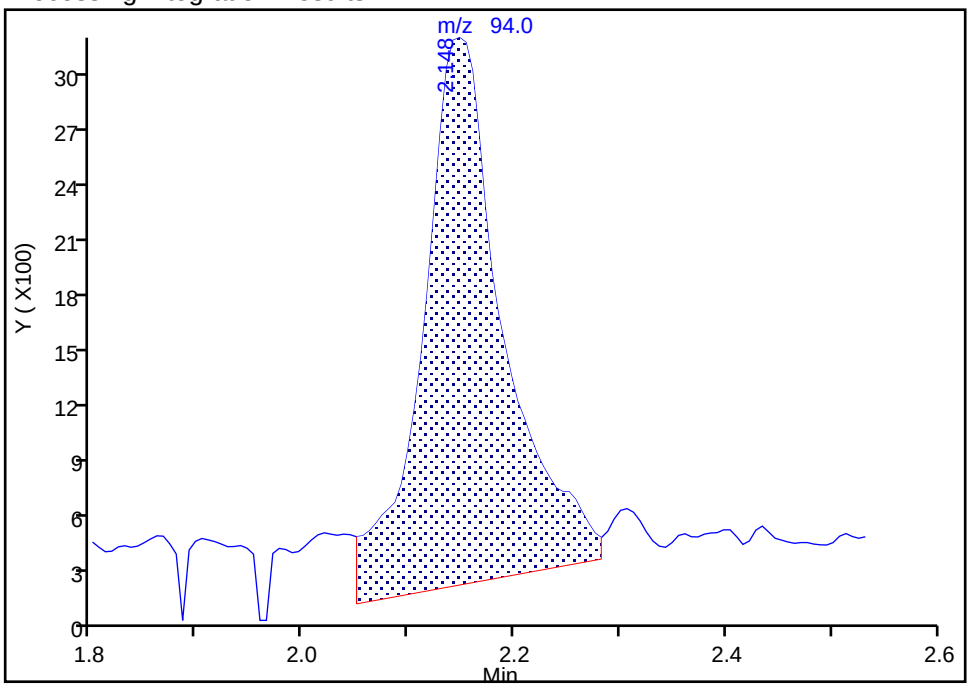
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34101.D
Injection Date: 16-Jul-2020 15:32:30 Instrument ID: HP5975D
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

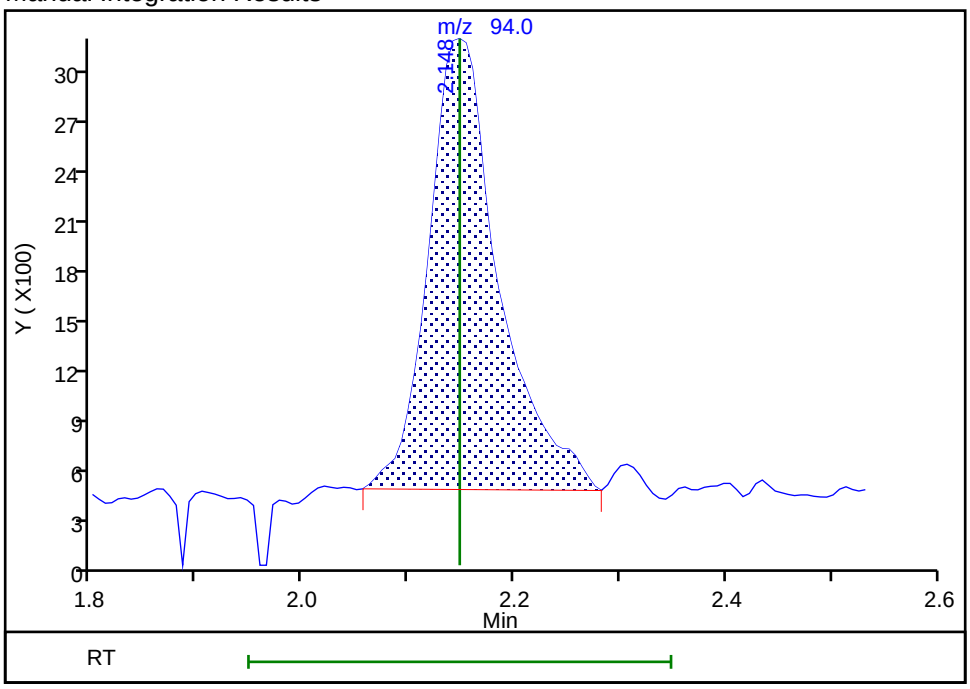
Processing Integration Results

RT: 2.15
Area: 15713
Amount: 2.325582
Amount Units: ug/L



Manual Integration Results

RT: 2.15
Area: 12310
Amount: 1.802815
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:31:30
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

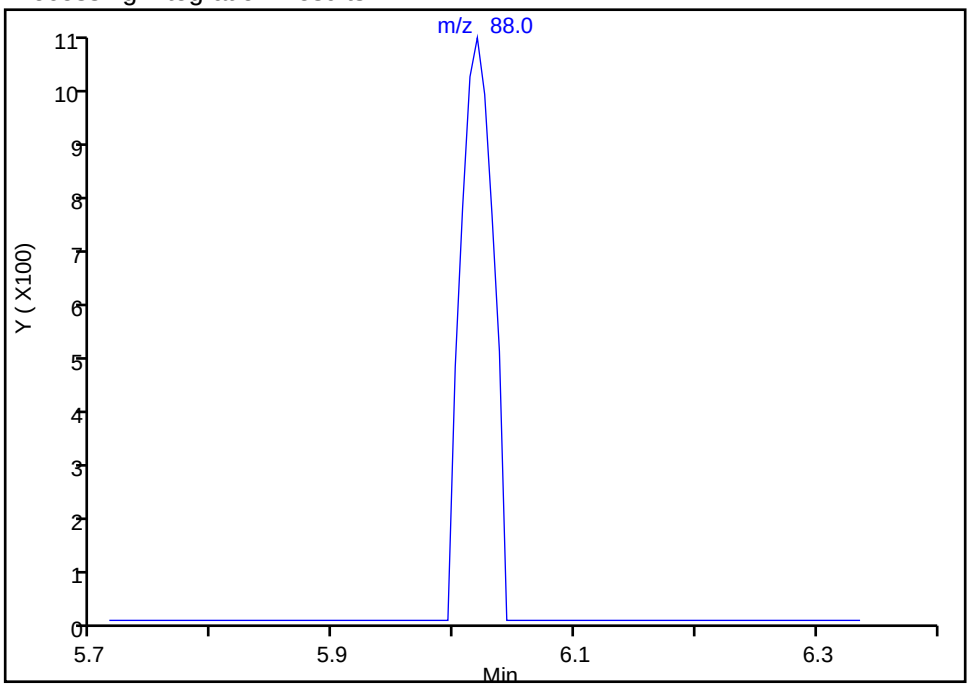
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34101.D
Injection Date: 16-Jul-2020 15:32:30 Instrument ID: HP5975D
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

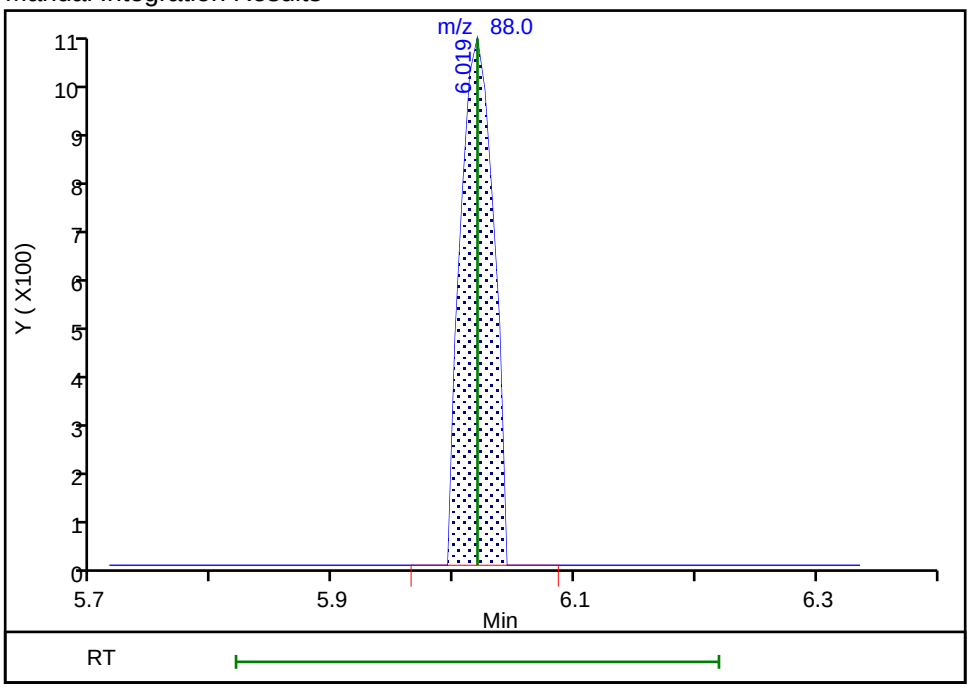
Not Detected
Expected RT: 6.02

Processing Integration Results



Manual Integration Results

RT: 6.02
Area: 1989
Amount: 44.149575
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:31:59
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34102.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Jul-2020 15:55:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0092073-010
Operator ID: RF Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Jul-2020 22:55:14 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1024

First Level Reviewer: farrellr Date: 20-Jul-2020 10:33:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.434	0.000	98	150768	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	87	321445	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	95	350648	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.946	0.000	92	225124	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.209	5.209	0.000	100	131942	25.0	24.7	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	95	762188	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	93	275118	25.0	25.0	
10 Dichlorodifluoromethane	85	1.447	1.447	0.000	98	55857	5.00	5.22	
12 Chloromethane	50	1.660	1.660	0.000	99	65335	5.00	5.40	
13 Vinyl chloride	62	1.770	1.770	0.000	98	59107	5.00	5.30	
144 Butadiene	54	1.801	1.801	0.000	97	49217	5.00	5.25	
14 Bromomethane	94	2.148	2.148	0.000	92	35299	5.00	5.11	
15 Chloroethane	64	2.233	2.233	0.000	97	33063	5.00	5.23	
17 Trichlorofluoromethane	101	2.477	2.477	0.000	96	68616	5.00	5.24	
16 Dichlorofluoromethane	67	2.490	2.490	0.000	97	81446	5.00	5.26	
18 Ethyl ether	59	2.739	2.739	0.000	97	33581	5.00	5.22	
20 Acrolein	56	2.935	2.935	0.000	97	13904	25.0	25.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.977	2.977	0.000	94	38280	5.00	4.92	
22 1,1-Dichloroethene	96	3.002	3.002	0.000	96	33490	5.00	4.92	
23 Acetone	43	3.087	3.087	0.000	98	74295	25.0	25.7	
25 Iodomethane	142	3.172	3.172	0.000	99	79985	5.00	5.03	
26 Carbon disulfide	76	3.203	3.203	0.000	100	111686	5.00	5.01	
28 3-Chloro-1-propene	41	3.325	3.325	0.000	86	67423	5.00	4.81	
27 Methyl acetate	43	3.367	3.367	0.000	99	69998	10.0	9.58	
30 Methylene Chloride	84	3.508	3.508	0.000	98	44018	5.00	4.96	
31 2-Methyl-2-propanol	59	3.617	3.617	0.000	99	45302	50.0	49.6	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	99	112490	5.00	5.07	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	95	39096	5.00	5.03	
33 Acrylonitrile	53	3.733	3.733	0.000	97	167708	50.0	52.1	
35 Hexane	57	3.843	3.843	0.000	94	56619	5.00	4.84	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.062	4.062	0.000	97	73932	5.00	5.16	
37 Vinyl acetate	43	4.093	4.093	0.000	97	195153	10.0	9.94	
44 2,2-Dichloropropane	77	4.520	4.520	0.000	90	38441	5.00	5.18	
45 cis-1,2-Dichloroethene	96	4.550	4.550	0.000	83	43802	5.00	5.12	
43 2-Butanone (MEK)	43	4.568	4.568	0.000	98	120404	25.0	26.2	
48 Chlorobromomethane	128	4.751	4.751	0.000	97	25318	5.00	5.14	
49 Tetrahydrofuran	42	4.763	4.763	0.000	87	31054	10.0	10.1	
50 Chloroform	83	4.812	4.812	0.000	96	75892	5.00	4.84	
51 1,1,1-Trichloroethane	97	4.916	4.916	0.000	98	60692	5.00	4.95	
52 Cyclohexane	56	4.922	4.922	0.000	95	65710	5.00	4.80	
55 Carbon tetrachloride	117	5.032	5.032	0.000	95	54698	5.00	4.75	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	96	55172	5.00	4.97	
53 Isobutyl alcohol	43	5.196	5.196	0.000	93	47754	125.0	124.6	
57 Benzene	78	5.215	5.215	0.000	95	147399	5.00	5.01	
58 1,2-Dichloroethane	62	5.269	5.269	0.000	97	66887	5.00	5.05	
59 n-Heptane	43	5.330	5.330	0.000	96	69059	5.00	5.09	
62 Trichloroethene	95	5.708	5.708	0.000	96	43130	5.00	5.15	
64 Methylcyclohexane	83	5.806	5.806	0.000	96	62609	5.00	4.87	
65 1,2-Dichloropropane	63	5.910	5.910	0.000	90	42447	5.00	5.15	
66 1,4-Dioxane	88	6.019	6.019	0.000	96	5119	100.0	96.0	
67 Dibromomethane	93	6.025	6.025	0.000	96	31439	5.00	5.10	
68 Dichlorobromomethane	83	6.141	6.141	0.000	97	54872	5.00	5.04	
69 2-Chloroethyl vinyl ether	63	6.336	6.336	0.000	94	26667	5.00	4.93	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	92	65526	5.00	5.01	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.562	0.000	99	260951	25.0	26.2	
74 Toluene	92	6.696	6.696	0.000	98	98227	5.00	5.12	
77 trans-1,3-Dichloropropene	75	6.909	6.909	0.000	99	63226	5.00	5.09	
75 Ethyl methacrylate	69	6.915	6.915	0.000	92	52826	5.00	5.12	
79 1,1,2-Trichloroethane	83	7.062	7.062	0.000	93	34009	5.00	5.17	
81 Tetrachloroethene	166	7.123	7.123	0.000	96	47651	5.00	5.03	
82 1,3-Dichloropropane	76	7.196	7.196	0.000	95	65341	5.00	5.18	
80 2-Hexanone	43	7.220	7.220	0.000	99	191535	25.0	26.5	
83 Chlorodibromomethane	129	7.385	7.385	0.000	90	44129	5.00	4.89	
84 Ethylene Dibromide	107	7.482	7.482	0.000	100	45789	5.00	5.17	
87 Chlorobenzene	112	7.836	7.836	0.000	97	118799	5.00	5.17	
88 Ethylbenzene	91	7.891	7.891	0.000	99	184315	5.00	5.15	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.903	0.000	93	41096	5.00	5.04	
90 m-Xylene & p-Xylene	106	7.982	7.982	0.000	99	72506	5.00	5.11	
91 o-Xylene	106	8.318	8.318	0.000	95	71477	5.00	5.16	
92 Styrene	104	8.336	8.336	0.000	96	123685	5.00	5.15	
95 Bromoform	173	8.555	8.555	0.000	96	29941	5.00	4.58	
94 Isopropylbenzene	105	8.604	8.604	0.000	96	184091	5.00	5.23	
101 Bromobenzene	156	8.909	8.909	0.000	92	55139	5.00	5.10	
97 1,1,2,2-Tetrachloroethane	83	8.921	8.921	0.000	96	59860	5.00	5.33	
99 N-Propylbenzene	91	8.946	8.946	0.000	98	222804	5.00	5.24	
98 trans-1,4-Dichloro-2-butene	53	8.958	8.958	0.000	74	16873	5.00	4.94	
100 1,2,3-Trichloropropane	110	8.964	8.964	0.000	90	16784	5.00	5.53	
103 2-Chlorotoluene	126	9.049	9.049	0.000	97	49106	5.00	5.31	
102 1,3,5-Trimethylbenzene	105	9.080	9.080	0.000	94	158817	5.00	5.23	
105 4-Chlorotoluene	126	9.141	9.141	0.000	98	51058	5.00	5.17	
106 tert-Butylbenzene	134	9.360	9.360	0.000	93	31451	5.00	5.16	
107 1,2,4-Trimethylbenzene	105	9.403	9.403	0.000	97	161792	5.00	5.19	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.537	9.537	0.000	95	203331	5.00	5.24	
110 4-Isopropyltoluene	119	9.653	9.653	0.000	97	176334	5.00	5.25	
111 1,3-Dichlorobenzene	146	9.683	9.683	0.000	99	102734	5.00	5.16	
113 1,4-Dichlorobenzene	146	9.763	9.763	0.000	96	105517	5.00	5.13	
115 n-Butylbenzene	91	10.006	10.006	0.000	98	162879	5.00	5.27	
116 1,2-Dichlorobenzene	146	10.092	10.092	0.000	97	101846	5.00	5.18	
117 1,2-Dibromo-3-Chloropropane	75	10.781	10.781	0.000	82	10029	5.00	5.00	
119 1,2,4-Trichlorobenzene	180	11.421	11.421	0.000	93	76630	5.00	5.18	
120 Hexachlorobutadiene	225	11.512	11.512	0.000	97	36434	5.00	5.02	
121 Naphthalene	128	11.634	11.634	0.000	97	184712	5.00	5.25	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	71969	5.00	5.11	
S 126 1,3-Dichloropropene, Total	1				0			10.1	
S 124 Xylenes, Total	1				0			10.3	
S 125 1,2-Dichloroethene, Total	1				0			10.1	
S 123 Total BTEX	1				0			25.6	

Reagents:

8260 CORP mix_00186	Amount Added:	5.00	Units: uL	
GAS CORP mix_00407	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00018	Amount Added:	1.00	Units: uL	Run Reagent

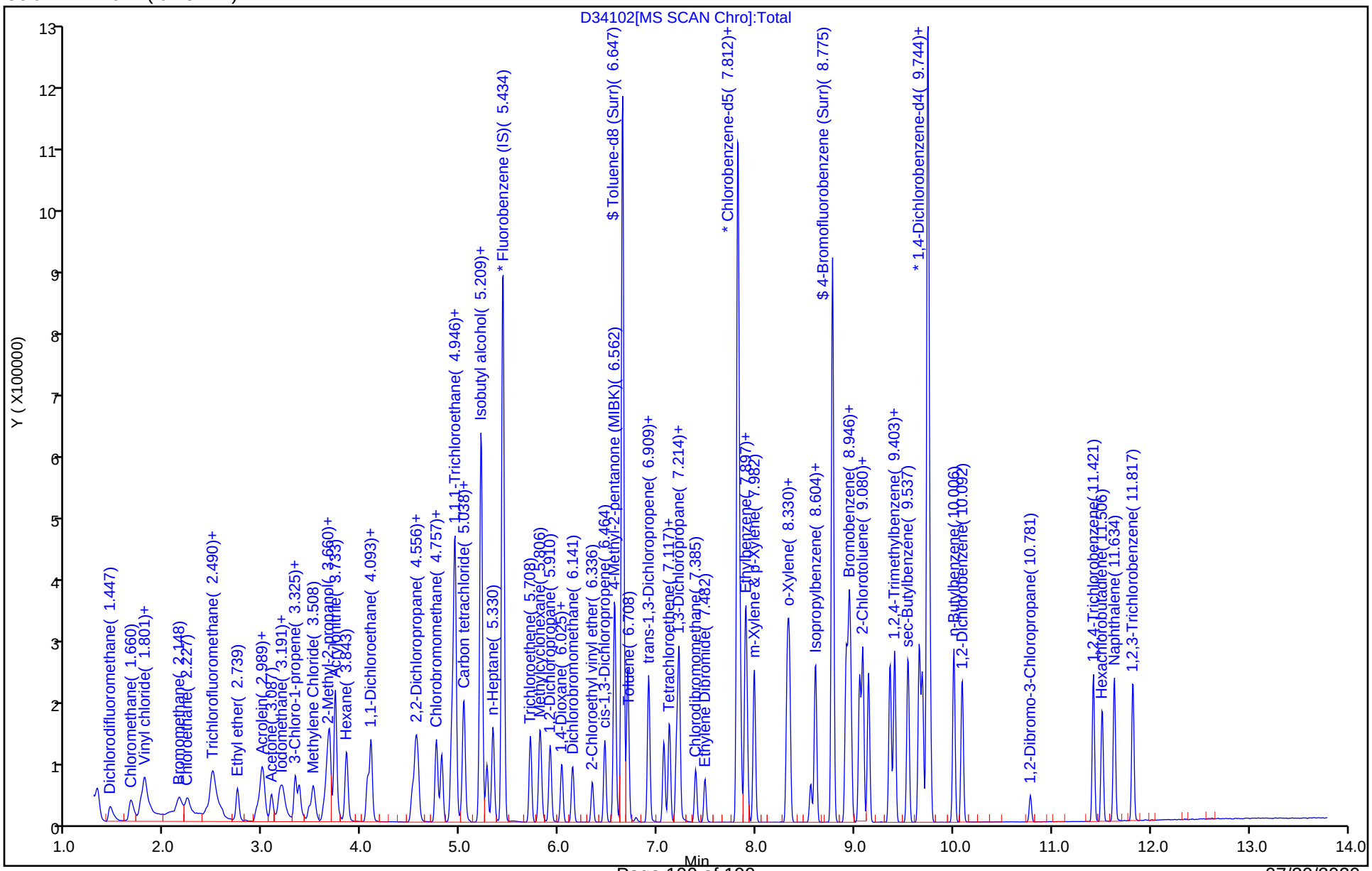
Report Date: 20-Jul-2020 22:55:15 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34102.D

Injection Date:	16-Jul-2020 15:55:30	Instrument ID:	HP5975D	Operator ID:	RF
Lims ID:	IC 3			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34103.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 16-Jul-2020 16:18:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0092073-011
Operator ID: RF Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Jul-2020 22:55:16 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1024

First Level Reviewer: farrellr Date: 20-Jul-2020 10:34:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.434	0.000	98	148061	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.812	7.812	0.000	93	320411	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	95	349199	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.946	0.000	94	224995	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.209	0.000	100	130215	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	95	755409	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	93	273244	25.0	24.9	
10 Dichlorodifluoromethane	85	1.453	1.447	0.006	99	116282	10.0	11.1	
12 Chloromethane	50	1.660	1.660	0.000	99	126259	10.0	10.6	
13 Vinyl chloride	62	1.770	1.770	0.000	98	114244	10.0	10.3	
144 Butadiene	54	1.801	1.801	0.000	96	103517	10.0	11.3	
14 Bromomethane	94	2.148	2.148	0.000	92	70186	10.0	10.3	
15 Chloroethane	64	2.240	2.233	0.007	98	61860	10.0	9.96	
17 Trichlorofluoromethane	101	2.477	2.477	0.000	97	137280	10.0	10.3	
16 Dichlorofluoromethane	67	2.483	2.490	-0.007	97	152891	10.0	10.1	
18 Ethyl ether	59	2.746	2.739	0.007	97	68203	10.0	10.8	
20 Acrolein	56	2.935	2.935	-0.001	99	25403	50.0	47.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.983	2.977	0.006	94	85591	10.0	11.2	
22 1,1-Dichloroethene	96	3.002	3.002	0.000	95	70006	10.0	10.5	
23 Acetone	43	3.087	3.087	0.000	98	130696	50.0	46.1	
25 Iodomethane	142	3.178	3.172	0.006	99	163646	10.0	10.5	
26 Carbon disulfide	76	3.203	3.203	0.000	100	240365	10.0	11.0	
28 3-Chloro-1-propene	41	3.331	3.325	0.006	93	138347	10.0	10.0	M
27 Methyl acetate	43	3.367	3.367	0.000	99	136708	20.0	19.0	
30 Methylene Chloride	84	3.514	3.508	0.006	98	86143	10.0	10.1	
31 2-Methyl-2-propanol	59	3.623	3.617	0.006	98	88677	100.0	98.9	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	99	228368	10.0	10.5	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	95	80127	10.0	10.5	
33 Acrylonitrile	53	3.733	3.733	0.000	97	314849	100.0	99.6	
35 Hexane	57	3.849	3.843	0.006	94	124373	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.062	4.062	0.000	97	150887	10.0	10.7	
37 Vinyl acetate	43	4.099	4.093	0.006	97	409383	20.0	21.2	
44 2,2-Dichloropropane	77	4.520	4.520	0.000	92	77438	10.0	10.6	
45 cis-1,2-Dichloroethene	96	4.550	4.550	0.000	82	89989	10.0	10.7	
43 2-Butanone (MEK)	43	4.574	4.568	0.006	99	224444	50.0	49.7	
48 Chlorobromomethane	128	4.757	4.751	0.006	97	52303	10.0	10.8	
49 Tetrahydrofuran	42	4.770	4.763	0.007	88	60034	20.0	19.8	
50 Chloroform	83	4.812	4.812	0.000	95	154152	10.0	10.0	
51 1,1,1-Trichloroethane	97	4.916	4.916	0.000	97	126397	10.0	10.5	
52 Cyclohexane	56	4.922	4.922	0.000	96	145661	10.0	10.8	
55 Carbon tetrachloride	117	5.032	5.032	0.000	96	117181	10.0	10.4	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	94	115161	10.0	10.6	
53 Isobutyl alcohol	43	5.196	5.196	0.000	91	90952	250.0	241.7	
57 Benzene	78	5.215	5.215	0.000	97	305061	10.0	10.6	
58 1,2-Dichloroethane	62	5.269	5.269	0.000	97	132616	10.0	10.2	
59 n-Heptane	43	5.330	5.330	0.000	96	147250	10.0	11.0	
62 Trichloroethene	95	5.708	5.708	0.000	96	88823	10.0	10.8	
64 Methylcyclohexane	83	5.812	5.806	0.006	96	136693	10.0	10.8	
65 1,2-Dichloropropane	63	5.910	5.910	0.000	90	86189	10.0	10.7	
66 1,4-Dioxane	88	6.019	6.019	0.000	96	10286	200.0	180.9	
67 Dibromomethane	93	6.031	6.025	0.006	96	63866	10.0	10.6	
68 Dichlorobromomethane	83	6.141	6.141	0.000	97	112722	10.0	10.5	
69 2-Chloroethyl vinyl ether	63	6.342	6.336	0.006	93	59185	10.0	11.1	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	91	137685	10.0	10.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.568	6.562	0.006	99	512616	50.0	51.7	
74 Toluene	92	6.696	6.696	0.000	98	202193	10.0	10.6	
77 trans-1,3-Dichloropropene	75	6.909	6.909	0.000	98	131599	10.0	10.6	
75 Ethyl methacrylate	69	6.915	6.915	0.000	92	108826	10.0	10.6	
79 1,1,2-Trichloroethane	83	7.068	7.062	0.006	93	68995	10.0	10.5	
81 Tetrachloroethene	166	7.123	7.123	0.000	96	100425	10.0	10.6	
82 1,3-Dichloropropane	76	7.196	7.196	0.000	96	132641	10.0	10.5	
80 2-Hexanone	43	7.220	7.220	0.000	98	378698	50.0	52.5	
83 Chlorodibromomethane	129	7.385	7.385	0.000	90	94705	10.0	10.5	
84 Ethylene Dibromide	107	7.482	7.482	0.000	98	95113	10.0	10.8	
87 Chlorobenzene	112	7.836	7.836	0.000	97	243097	10.0	10.6	
88 Ethylbenzene	91	7.891	7.891	0.000	99	380381	10.0	10.7	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.903	0.000	95	87313	10.0	10.7	
90 m-Xylene & p-Xylene	106	7.982	7.982	0.000	99	150845	10.0	10.7	
91 o-Xylene	106	8.318	8.318	0.000	95	147930	10.0	10.7	
92 Styrene	104	8.336	8.336	0.000	95	254773	10.0	10.6	
95 Bromoform	173	8.555	8.555	0.000	97	64500	10.0	9.89	
94 Isopropylbenzene	105	8.604	8.604	0.000	96	380967	10.0	10.9	
101 Bromobenzene	156	8.915	8.909	0.006	92	114716	10.0	10.7	
97 1,1,2,2-Tetrachloroethane	83	8.921	8.921	0.000	96	118003	10.0	10.5	
99 N-Propylbenzene	91	8.946	8.946	0.000	99	463797	10.0	10.9	
98 trans-1,4-Dichloro-2-butene	53	8.958	8.958	0.000	75	35925	10.0	10.6	
100 1,2,3-Trichloropropane	110	8.964	8.964	0.000	89	33374	10.0	11.0	
103 2-Chlorotoluene	126	9.049	9.049	0.000	97	100384	10.0	10.9	
102 1,3,5-Trimethylbenzene	105	9.080	9.080	0.000	95	329679	10.0	10.9	
105 4-Chlorotoluene	126	9.141	9.141	0.000	97	105628	10.0	10.7	
106 tert-Butylbenzene	134	9.360	9.360	0.000	94	67094	10.0	11.1	
107 1,2,4-Trimethylbenzene	105	9.403	9.403	0.000	97	334502	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.537	0.006	95	422375	10.0	10.9	
110 4-Isopropyltoluene	119	9.653	9.653	0.000	97	366547	10.0	11.0	
111 1,3-Dichlorobenzene	146	9.689	9.683	0.006	98	210503	10.0	10.6	
113 1,4-Dichlorobenzene	146	9.762	9.763	0.000	95	216496	10.0	10.6	
115 n-Butylbenzene	91	10.006	10.006	0.000	98	338886	10.0	11.0	
116 1,2-Dichlorobenzene	146	10.092	10.092	0.000	98	207316	10.0	10.6	
117 1,2-Dibromo-3-Chloropropane	75	10.781	10.781	0.000	83	20454	10.0	10.2	
119 1,2,4-Trichlorobenzene	180	11.421	11.421	0.000	94	157847	10.0	10.7	
120 Hexachlorobutadiene	225	11.512	11.512	0.000	98	73717	10.0	10.0	
121 Naphthalene	128	11.634	11.634	0.000	97	367371	10.0	10.5	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	146620	10.0	10.5	
S 126 1,3-Dichloropropene, Total	1				0			21.3	
S 124 Xylenes, Total	1				0			21.4	
S 125 1,2-Dichloroethene, Total	1				0			21.2	
S 123 Total BTEX	1				0			53.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00186	Amount Added:	5.00	Units: uL	
GAS CORP mix_00407	Amount Added:	5.00	Units: uL	
D 8260 IS/SUR_00018	Amount Added:	1.00	Units: uL	Run Reagent

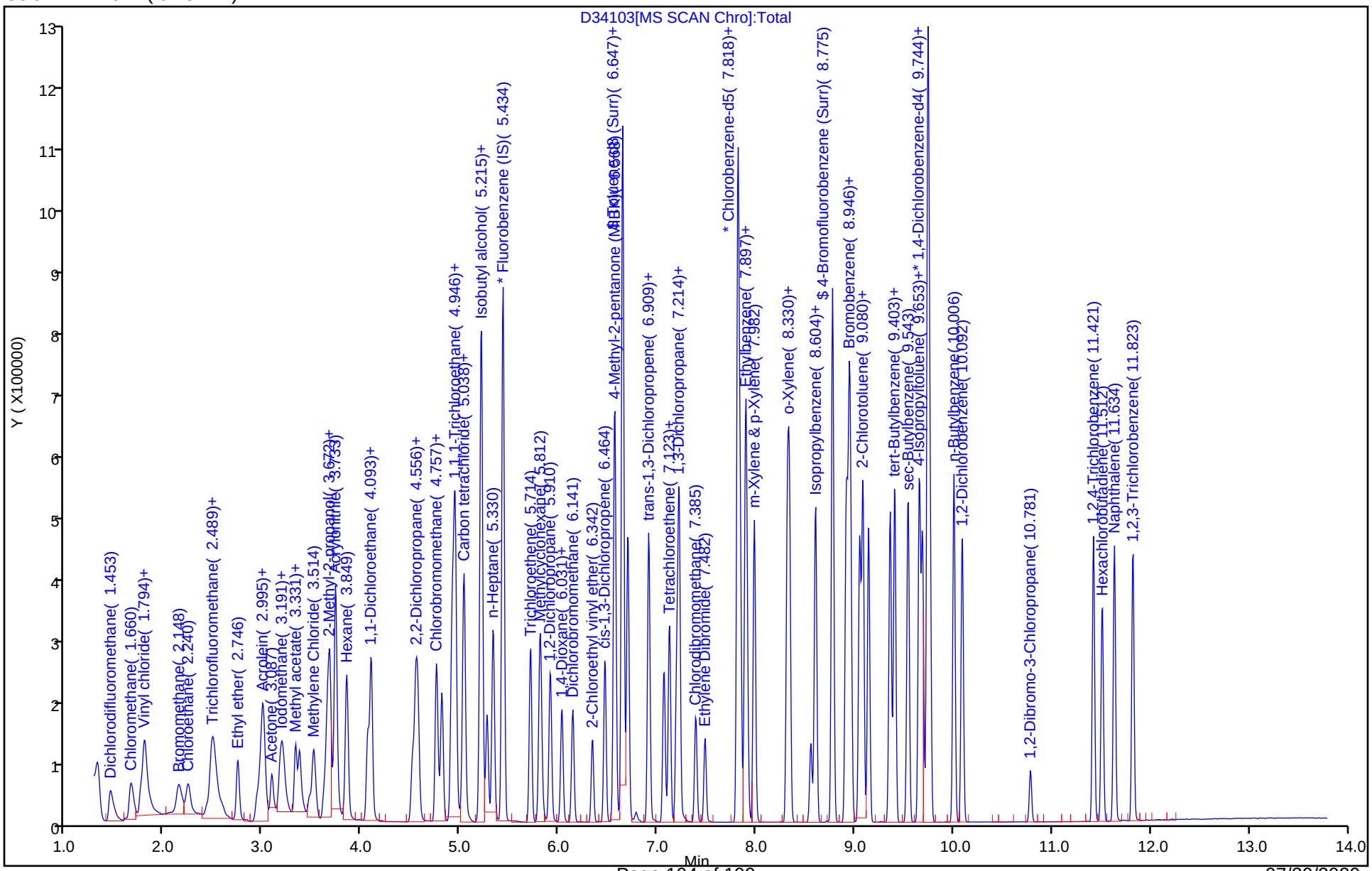
Report Date: 20-Jul-2020 22:55:17 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34103.D

Injection Date:	16-Jul-2020 16:18:30	Instrument ID:	HP5975D	Operator ID:	RF
Lims ID:	IC 4			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

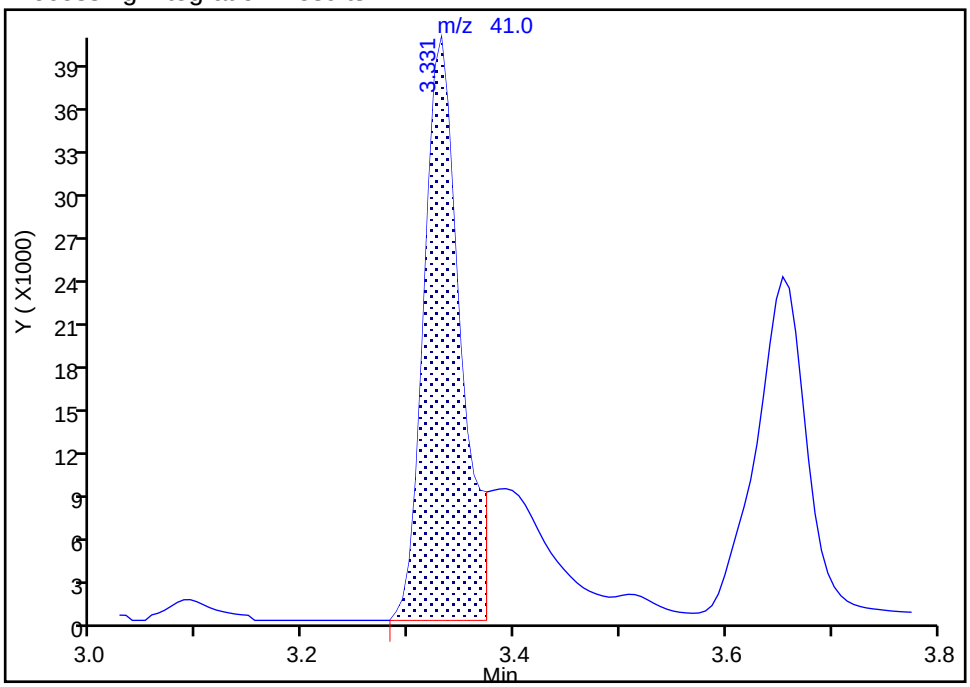
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34103.D
Injection Date: 16-Jul-2020 16:18:30 Instrument ID: HP5975D
Lims ID: IC 4
Client ID:
Operator ID: RF ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

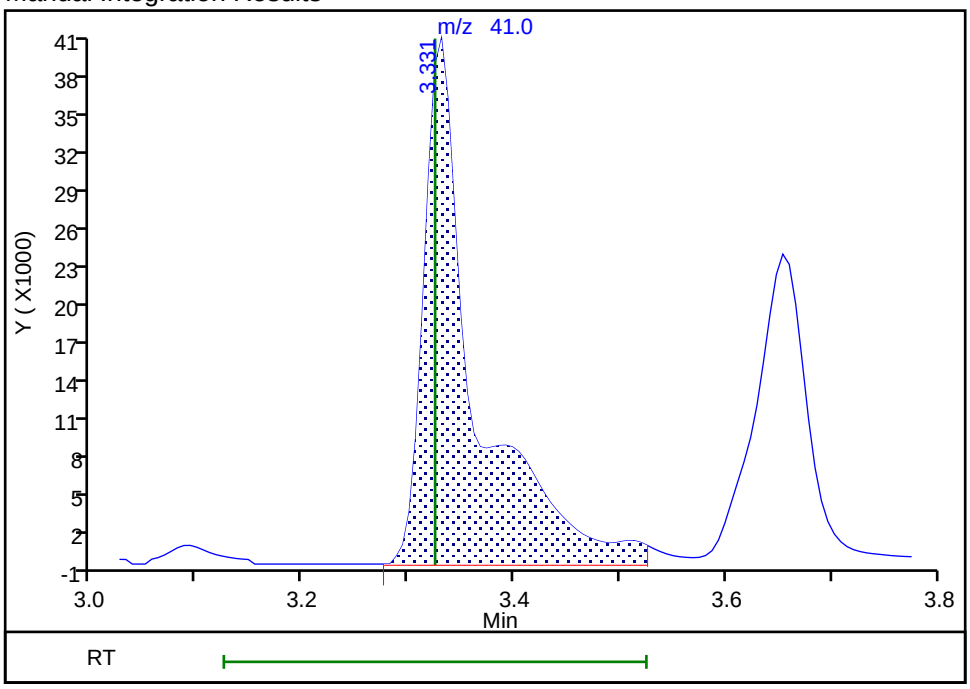
Processing Integration Results

RT: 3.33
Area: 97189
Amount: 9.050084
Amount Units: ug/L



Manual Integration Results

RT: 3.33
Area: 138347
Amount: 10.045325
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:37:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34104.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 16-Jul-2020 16:41:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0092073-012
Operator ID: RF Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Jul-2020 22:55:18 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1024

First Level Reviewer: farrellr Date: 20-Jul-2020 10:26:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.434	0.000	98	147166	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	87	317491	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	94	360814	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.946	0.000	93	224343	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	99	129103	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	95	754483	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	93	278792	25.0	25.6	
10 Dichlorodifluoromethane	85	1.453	1.453	0.000	99	284309	25.0	27.2	
12 Chloromethane	50	1.666	1.666	0.000	99	298543	25.0	25.3	
13 Vinyl chloride	62	1.770	1.770	0.000	98	279611	25.0	25.0	
144 Butadiene	54	1.807	1.807	0.000	95	243998	25.0	26.7	
14 Bromomethane	94	2.148	2.148	0.000	91	171029	25.0	25.4	
15 Chloroethane	64	2.240	2.240	0.000	98	148283	25.0	24.0	
17 Trichlorofluoromethane	101	2.483	2.483	0.000	98	337806	25.0	24.9	
16 Dichlorofluoromethane	67	2.489	2.489	0.000	97	369533	25.0	24.4	
18 Ethyl ether	59	2.739	2.739	0.000	97	165002	25.0	26.3	
20 Acrolein	56	2.934	2.934	0.000	98	64721	125.0	121.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.983	2.983	0.000	94	207277	25.0	27.3	
22 1,1-Dichloroethene	96	3.002	3.002	0.000	96	177225	25.0	26.6	
23 Acetone	43	3.087	3.087	0.000	98	334945	125.0	118.9	
25 Iodomethane	142	3.172	3.172	0.000	99	402301	25.0	25.9	
26 Carbon disulfide	76	3.203	3.203	0.000	100	587616	25.0	27.0	
28 3-Chloro-1-propene	41	3.325	3.325	0.000	86	332709	25.0	24.3	
27 Methyl acetate	43	3.367	3.367	0.000	99	356791	50.0	50.0	
30 Methylene Chloride	84	3.514	3.514	0.000	99	206348	25.0	24.7	
31 2-Methyl-2-propanol	59	3.617	3.617	0.000	98	226376	250.0	254.1	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	98	558847	25.0	25.8	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	95	194291	25.0	25.6	
33 Acrylonitrile	53	3.733	3.733	0.000	97	786902	250.0	250.6	
35 Hexane	57	3.843	3.843	0.000	95	305682	25.0	26.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.062	4.062	0.000	97	359505	25.0	25.7	
37 Vinyl acetate	43	4.093	4.093	0.000	97	1001543	50.0	52.3	
44 2,2-Dichloropropane	77	4.520	4.520	0.000	92	192781	25.0	26.6	
45 cis-1,2-Dichloroethene	96	4.550	4.550	0.000	83	213874	25.0	25.6	
43 2-Butanone (MEK)	43	4.568	4.568	0.000	99	561506	125.0	125.1	
48 Chlorobromomethane	128	4.757	4.757	0.000	97	126418	25.0	26.3	
49 Tetrahydrofuran	42	4.763	4.763	0.000	88	143913	50.0	47.8	
50 Chloroform	83	4.812	4.812	0.000	95	365381	25.0	23.9	
51 1,1,1-Trichloroethane	97	4.916	4.916	0.000	98	312290	25.0	26.1	
52 Cyclohexane	56	4.922	4.922	0.000	95	357217	25.0	26.8	
55 Carbon tetrachloride	117	5.032	5.032	0.000	97	297758	25.0	26.5	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	94	278565	25.0	25.7	
53 Isobutyl alcohol	43	5.196	5.196	0.000	92	236347	625.0	632.0	
57 Benzene	78	5.215	5.215	0.000	97	736335	25.0	25.7	
58 1,2-Dichloroethane	62	5.269	5.269	0.000	98	313175	25.0	24.2	
59 n-Heptane	43	5.330	5.330	0.000	95	366918	25.0	27.7	
62 Trichloroethene	95	5.708	5.708	0.000	96	214815	25.0	26.3	
64 Methylcyclohexane	83	5.812	5.812	0.000	95	335481	25.0	26.8	
65 1,2-Dichloropropane	63	5.910	5.910	0.000	90	205954	25.0	25.6	
66 1,4-Dioxane	88	6.019	6.019	0.000	95	30106	500.0	510.3	
67 Dibromomethane	93	6.031	6.031	0.000	95	154339	25.0	25.7	
68 Dichlorobromomethane	83	6.141	6.141	0.000	97	279623	25.0	26.3	
69 2-Chloroethyl vinyl ether	63	6.336	6.336	0.000	94	141309	25.0	26.8	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	93	340003	25.0	26.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.562	0.000	99	1268566	125.0	129.1	
74 Toluene	92	6.696	6.696	0.000	98	492920	25.0	26.0	
77 trans-1,3-Dichloropropene	75	6.909	6.909	0.000	98	331852	25.0	27.1	
75 Ethyl methacrylate	69	6.915	6.915	0.000	92	270398	25.0	26.5	
79 1,1,2-Trichloroethane	83	7.062	7.062	0.000	93	168012	25.0	25.9	
81 Tetrachloroethene	166	7.123	7.123	0.000	96	244935	25.0	26.2	
82 1,3-Dichloropropane	76	7.196	7.196	0.000	96	320791	25.0	25.7	
80 2-Hexanone	43	7.220	7.220	0.000	99	929370	125.0	130.0	
83 Chlorodibromomethane	129	7.385	7.385	0.000	90	246120	25.0	27.6	
84 Ethylene Dibromide	107	7.482	7.482	0.000	99	229900	25.0	26.3	
87 Chlorobenzene	112	7.836	7.836	0.000	98	589218	25.0	26.0	
88 Ethylbenzene	91	7.891	7.891	0.000	99	936216	25.0	26.5	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.903	0.000	94	220330	25.0	27.4	
90 m-Xylene & p-Xylene	106	7.982	7.982	0.000	98	374108	25.0	26.7	
91 o-Xylene	106	8.318	8.318	0.000	97	360070	25.0	26.3	
92 Styrene	104	8.336	8.336	0.000	94	630425	25.0	26.6	
95 Bromoform	173	8.555	8.555	0.000	97	175015	25.0	27.1	
94 Isopropylbenzene	105	8.604	8.604	0.000	96	950423	25.0	26.3	
101 Bromobenzene	156	8.915	8.915	0.000	89	284847	25.0	25.6	
97 1,1,2,2-Tetrachloroethane	83	8.921	8.921	0.000	97	294945	25.0	25.5	
99 N-Propylbenzene	91	8.946	8.946	0.000	99	1157021	25.0	26.4	
98 trans-1,4-Dichloro-2-butene	53	8.958	8.958	0.000	77	95162	25.0	27.1	
100 1,2,3-Trichloropropane	110	8.964	8.964	0.000	88	83936	25.0	26.9	
103 2-Chlorotoluene	126	9.049	9.049	0.000	97	248112	25.0	26.1	
102 1,3,5-Trimethylbenzene	105	9.080	9.080	0.000	94	821302	25.0	26.3	
105 4-Chlorotoluene	126	9.141	9.141	0.000	97	261066	25.0	25.7	
106 tert-Butylbenzene	134	9.360	9.360	0.000	93	167145	25.0	26.7	
107 1,2,4-Trimethylbenzene	105	9.403	9.403	0.000	98	840624	25.0	26.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	1075953	25.0	27.0	
110 4-Isopropyltoluene	119	9.653	9.653	0.000	97	926308	25.0	26.8	
111 1,3-Dichlorobenzene	146	9.689	9.689	0.000	98	526325	25.0	25.7	
113 1,4-Dichlorobenzene	146	9.762	9.762	0.000	96	531803	25.0	25.1	
115 n-Butylbenzene	91	10.006	10.006	0.000	98	849914	25.0	26.7	
116 1,2-Dichlorobenzene	146	10.092	10.092	0.000	98	521635	25.0	25.8	
117 1,2-Dibromo-3-Chloropropane	75	10.781	10.781	0.000	85	54592	25.0	26.4	
119 1,2,4-Trichlorobenzene	180	11.421	11.421	0.000	94	395267	25.0	26.0	
120 Hexachlorobutadiene	225	11.512	11.512	0.000	97	189511	25.0	24.7	
121 Naphthalene	128	11.634	11.634	0.000	97	953049	25.0	26.3	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	378677	25.0	26.1	

Reagents:

8260 CORP mix_00186	Amount Added: 12.50	Units: uL	
GAS CORP mix_00407	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00018	Amount Added: 1.00	Units: uL	Run Reagent

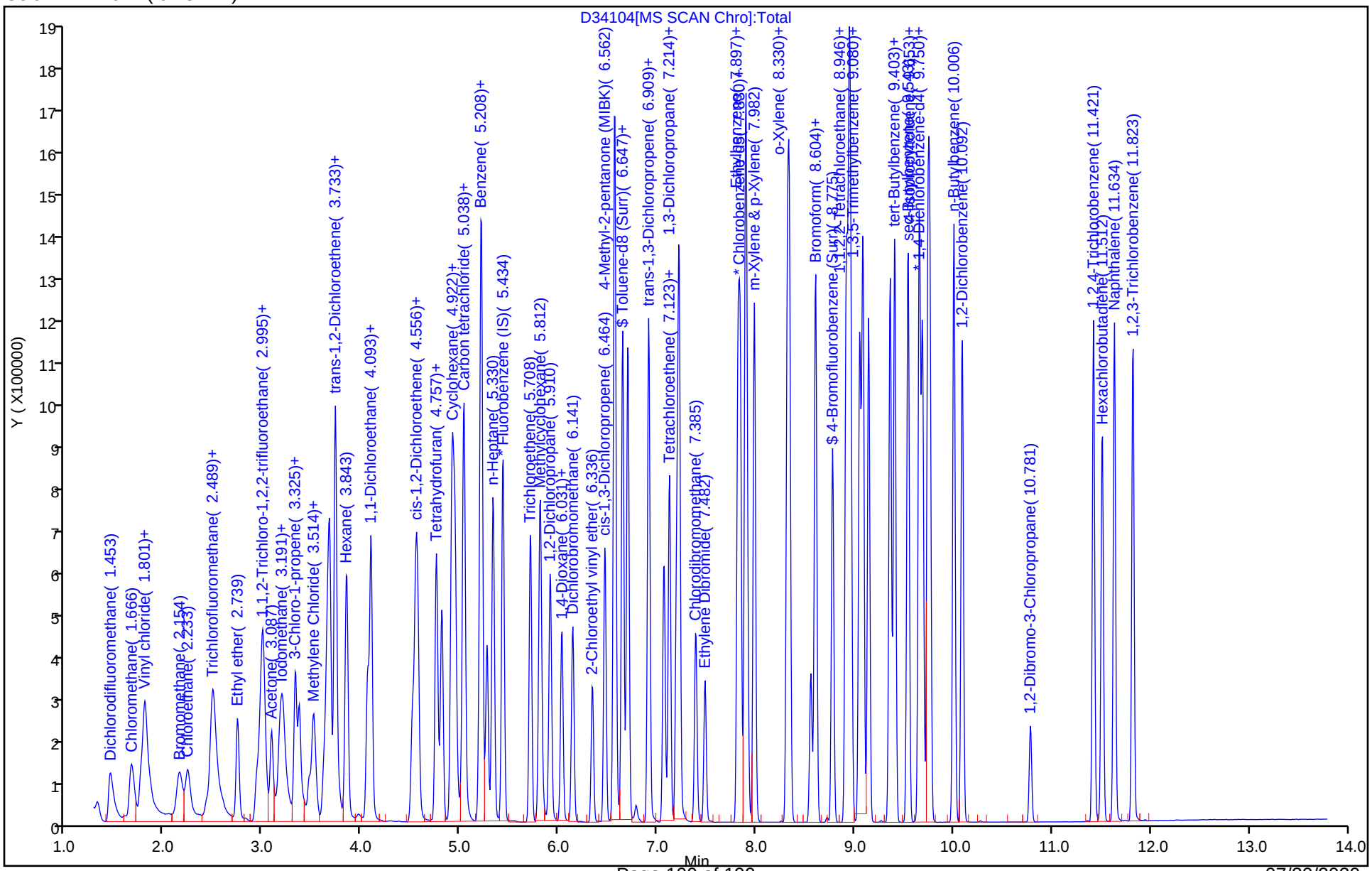
Report Date: 20-Jul-2020 22:55:20 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34104.D

Injection Date:	16-Jul-2020 16:41:30	Instrument ID:	HP5975D	Operator ID:	RF
Lims ID:	ICIS 5			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34105.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 16-Jul-2020 17:05:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0092073-013
Operator ID: RF Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Jul-2020 22:55:21 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1024

First Level Reviewer: farrellr Date: 20-Jul-2020 10:37:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.434	0.000	98	146458	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.811	7.818	-0.007	90	317056	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	95	368435	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.946	0.000	93	228414	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	96	131058	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	94	760406	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	93	280830	25.0	25.8	
10 Dichlorodifluoromethane	85	1.453	1.453	0.000	99	554556	50.0	53.3	
12 Chloromethane	50	1.666	1.666	0.000	99	594538	50.0	50.6	
13 Vinyl chloride	62	1.770	1.770	0.000	98	554025	50.0	49.6	
144 Butadiene	54	1.800	1.807	-0.007	94	481833	50.0	53.0	
14 Bromomethane	94	2.154	2.148	0.006	92	342659	50.0	51.0	
15 Chloroethane	64	2.239	2.240	-0.001	98	290549	50.0	47.3	
17 Trichlorofluoromethane	101	2.483	2.483	0.000	98	669432	50.0	49.3	
16 Dichlorofluoromethane	67	2.489	2.489	0.000	97	735499	50.0	48.9	
18 Ethyl ether	59	2.739	2.739	0.000	97	323988	50.0	51.8	
20 Acrolein	56	2.934	2.934	0.000	99	138682	250.0	262.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.983	2.983	0.000	94	408432	50.0	54.0	
22 1,1-Dichloroethene	96	3.001	3.002	-0.001	97	348016	50.0	52.6	
23 Acetone	43	3.087	3.087	0.000	98	662677	250.0	236.3	
25 Iodomethane	142	3.178	3.172	0.006	99	801400	50.0	51.8	
26 Carbon disulfide	76	3.203	3.203	0.000	100	1161238	50.0	53.6	
28 3-Chloro-1-propene	41	3.325	3.325	0.000	90	635669	50.0	46.7	M
27 Methyl acetate	43	3.367	3.367	0.000	99	664229	100.0	93.5	
30 Methylene Chloride	84	3.514	3.514	0.000	99	408427	50.0	49.2	
31 2-Methyl-2-propanol	59	3.617	3.617	0.000	98	477292	500.0	538.4	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	98	1117557	50.0	51.9	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	95	385917	50.0	51.1	
33 Acrylonitrile	53	3.733	3.733	0.000	97	1568815	500.0	502.0	
35 Hexane	57	3.849	3.843	0.006	95	587710	50.0	51.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.062	4.062	0.000	97	715451	50.0	51.4	
37 Vinyl acetate	43	4.093	4.093	0.000	97	2027207	100.0	106.3	
44 2,2-Dichloropropane	77	4.519	4.520	-0.001	91	377688	50.0	52.4	
45 cis-1,2-Dichloroethene	96	4.550	4.550	0.000	83	428366	50.0	51.5	
43 2-Butanone (MEK)	43	4.568	4.568	0.000	99	1119506	250.0	250.6	
48 Chlorobromomethane	128	4.757	4.757	0.000	97	252380	50.0	52.8	
49 Tetrahydrofuran	42	4.763	4.763	0.000	87	278927	100.0	93.0	
50 Chloroform	83	4.812	4.812	0.000	95	724111	50.0	47.5	
51 1,1,1-Trichloroethane	97	4.916	4.916	0.000	98	619823	50.0	52.1	
52 Cyclohexane	56	4.922	4.922	0.000	95	697906	50.0	52.5	
55 Carbon tetrachloride	117	5.032	5.032	0.000	97	615814	50.0	55.0	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	93	552326	50.0	51.3	
53 Isobutyl alcohol	43	5.196	5.196	0.000	92	488066	1250.0	1311.4	
57 Benzene	78	5.214	5.215	-0.001	98	1452325	50.0	50.8	
58 1,2-Dichloroethane	62	5.269	5.269	0.000	97	631910	50.0	49.2	
59 n-Heptane	43	5.330	5.330	0.000	95	680609	50.0	51.6	
62 Trichloroethene	95	5.708	5.708	0.000	96	425880	50.0	52.3	
64 Methylcyclohexane	83	5.812	5.812	0.000	95	659713	50.0	52.9	
65 1,2-Dichloropropane	63	5.909	5.910	-0.001	91	409635	50.0	51.2	
66 1,4-Dioxane	88	6.019	6.019	0.000	96	65125	1000.0	1091.0	
67 Dibromomethane	93	6.031	6.031	0.000	95	308767	50.0	51.6	
68 Dichlorobromomethane	83	6.141	6.141	0.000	97	566292	50.0	53.6	
69 2-Chloroethyl vinyl ether	63	6.336	6.336	0.000	94	278083	50.0	52.9	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	93	685536	50.0	53.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.562	6.562	0.000	99	2467851	250.0	251.5	
74 Toluene	92	6.696	6.696	0.000	98	982476	50.0	51.9	
77 trans-1,3-Dichloropropene	75	6.909	6.909	0.000	99	671034	50.0	54.8	
75 Ethyl methacrylate	69	6.915	6.915	0.000	92	544216	50.0	53.5	
79 1,1,2-Trichloroethane	83	7.068	7.062	0.006	93	331590	50.0	51.1	
81 Tetrachloroethene	166	7.123	7.123	0.000	96	482363	50.0	51.6	
82 1,3-Dichloropropane	76	7.196	7.196	0.000	96	631869	50.0	50.8	
80 2-Hexanone	43	7.220	7.220	0.000	98	1793794	250.0	251.2	
83 Chlorodibromomethane	129	7.385	7.385	0.000	90	509325	50.0	57.2	
84 Ethylene Dibromide	107	7.482	7.482	0.000	99	458443	50.0	52.5	
87 Chlorobenzene	112	7.836	7.836	0.000	98	1155655	50.0	51.0	
88 Ethylbenzene	91	7.891	7.891	0.000	99	1845723	50.0	52.3	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.903	0.000	95	449669	50.0	55.9	
90 m-Xylene & p-Xylene	106	7.982	7.982	0.000	98	740005	50.0	52.9	
91 o-Xylene	106	8.317	8.318	-0.001	97	724652	50.0	53.0	
92 Styrene	104	8.336	8.336	0.000	95	1255180	50.0	53.0	
95 Bromoform	173	8.555	8.555	0.000	97	380468	50.0	59.0	
94 Isopropylbenzene	105	8.604	8.604	0.000	96	1884246	50.0	51.0	
101 Bromobenzene	156	8.915	8.915	0.000	90	569277	50.0	50.2	
97 1,1,2,2-Tetrachloroethane	83	8.921	8.921	0.000	96	589090	50.0	49.9	
99 N-Propylbenzene	91	8.945	8.946	-0.001	99	2299746	50.0	51.5	
98 trans-1,4-Dichloro-2-butene	53	8.958	8.958	0.000	77	193432	50.0	53.9	
100 1,2,3-Trichloropropane	110	8.964	8.964	0.000	88	166924	50.0	52.3	
103 2-Chlorotoluene	126	9.049	9.049	0.000	97	496516	50.0	51.1	
102 1,3,5-Trimethylbenzene	105	9.080	9.080	0.000	95	1641138	50.0	51.4	
105 4-Chlorotoluene	126	9.141	9.141	-0.001	97	518561	50.0	50.0	
106 tert-Butylbenzene	134	9.360	9.360	0.000	93	337849	50.0	52.8	
107 1,2,4-Trimethylbenzene	105	9.403	9.403	0.000	98	1688569	50.0	51.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	2142124	50.0	52.6	
110 4-Isopropyltoluene	119	9.653	9.653	0.000	97	1868858	50.0	52.9	
111 1,3-Dichlorobenzene	146	9.689	9.689	0.000	99	1052705	50.0	50.3	
113 1,4-Dichlorobenzene	146	9.762	9.762	0.000	96	1073252	50.0	49.7	
115 n-Butylbenzene	91	10.006	10.006	0.000	98	1705268	50.0	52.5	
116 1,2-Dichlorobenzene	146	10.092	10.092	0.000	98	1047022	50.0	50.6	
117 1,2-Dibromo-3-Chloropropane	75	10.780	10.781	-0.001	86	114306	50.0	54.2	
119 1,2,4-Trichlorobenzene	180	11.421	11.421	0.000	95	806317	50.0	51.9	
120 Hexachlorobutadiene	225	11.512	11.512	0.000	97	390841	50.0	49.6	
121 Naphthalene	128	11.634	11.634	0.000	97	1911214	50.0	51.7	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	96	763268	50.0	51.6	
S 126 1,3-Dichloropropene, Total	1				0			108.7	
S 124 Xylenes, Total	1				0			105.9	
S 125 1,2-Dichloroethene, Total	1				0			102.6	
S 123 Total BTEX	1				0			260.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00186	Amount Added: 25.00	Units: uL	
GAS CORP mix_00407	Amount Added: 25.00	Units: uL	
D 8260 IS/SUR_00018	Amount Added: 1.00	Units: uL	Run Reagent

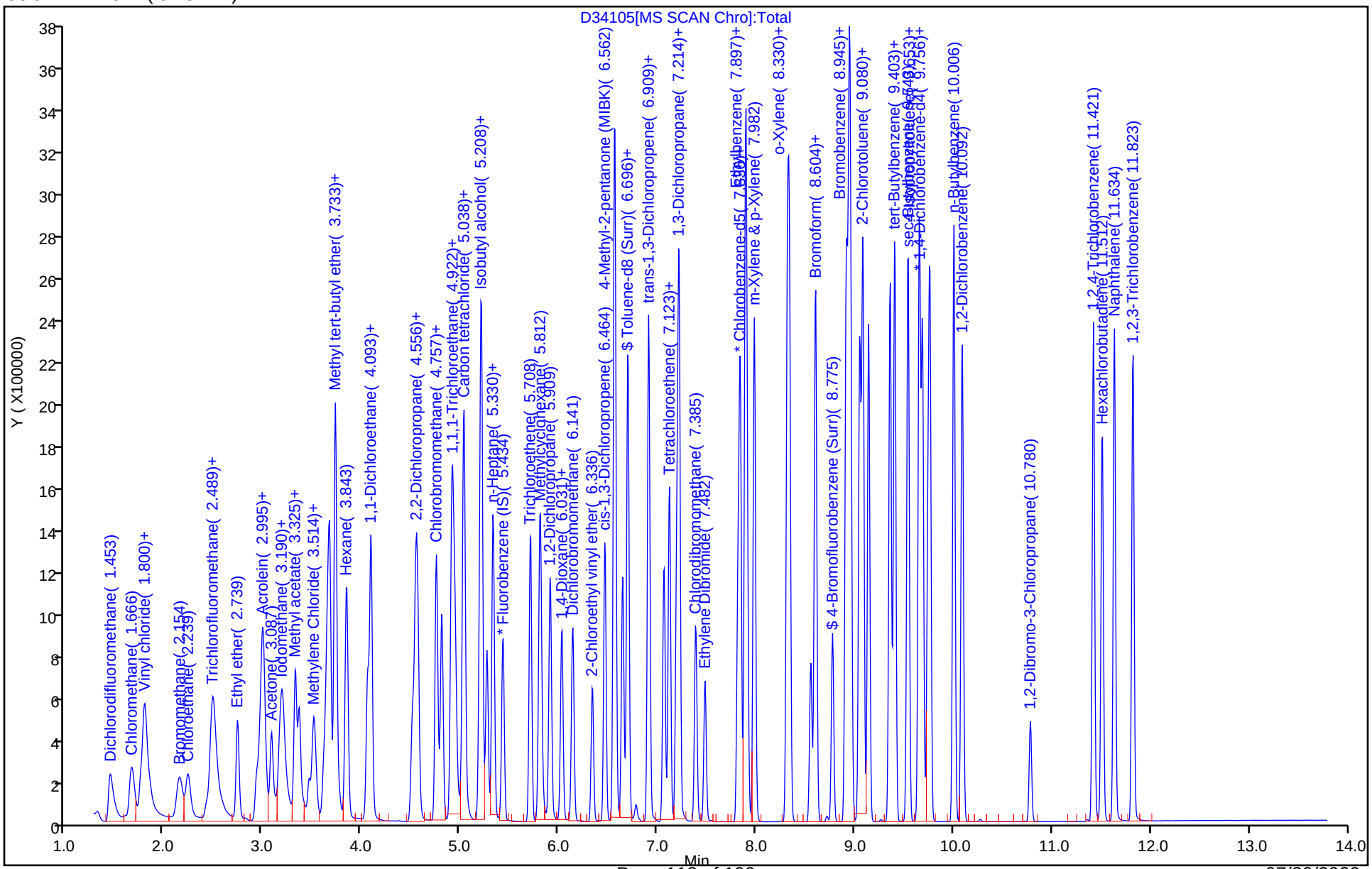
Report Date: 20-Jul-2020 22:55:21 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34105.D

Injection Date:	16-Jul-2020 17:05:30	Instrument ID:	HP5975D	Operator ID:	RF
Lims ID:	IC 6			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

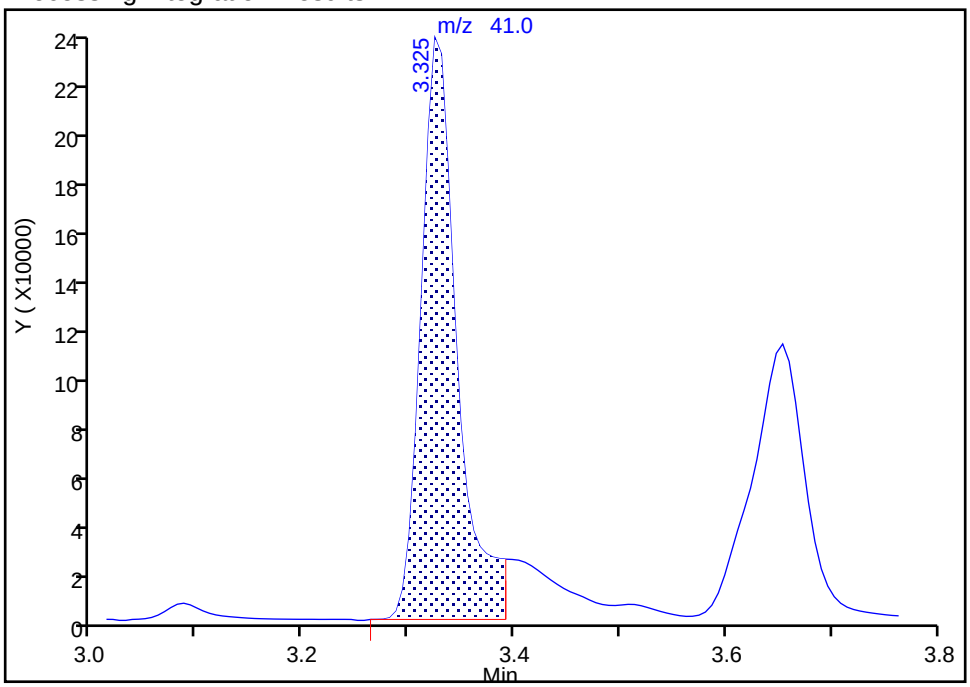
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34105.D
Injection Date: 16-Jul-2020 17:05:30 Instrument ID: HP5975D
Lims ID: IC 6
Client ID:
Operator ID: RF ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

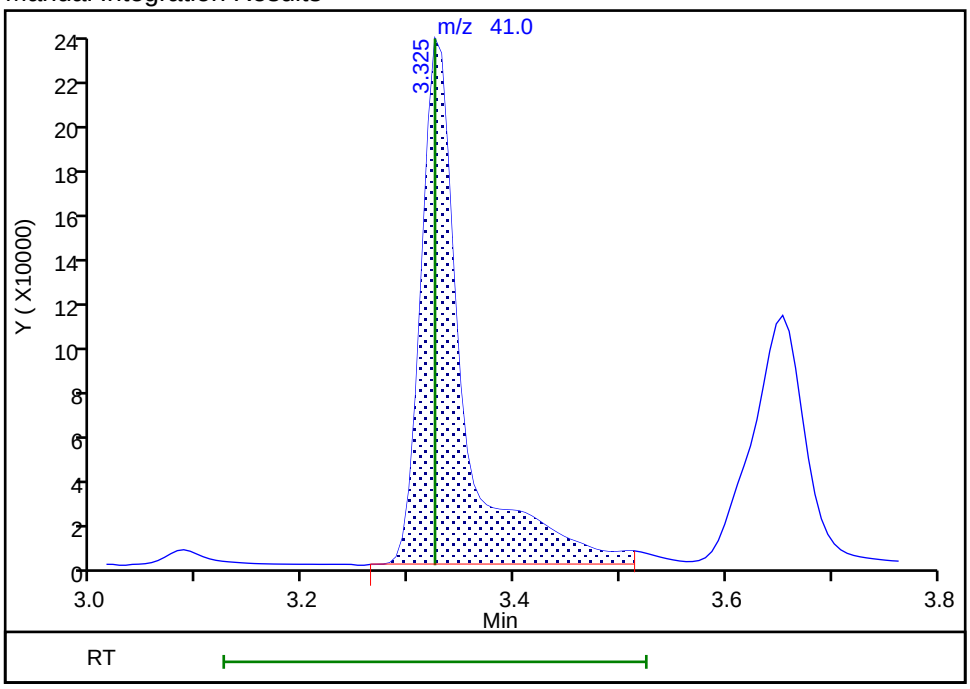
Processing Integration Results

RT: 3.32
Area: 547290
Amount: 49.414471
Amount Units: ug/L



Manual Integration Results

RT: 3.32
Area: 635669
Amount: 46.660872
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:38:26
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34106.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 16-Jul-2020 17:28:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0092073-014
Operator ID: RF Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Jul-2020 22:55:23 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1024

First Level Reviewer: farrellr Date: 20-Jul-2020 10:38:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.434	0.000	98	146219	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	85	322173	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	95	365991	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.946	0.000	93	230461	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	86	131378	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	94	759169	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	94	282872	25.0	25.6	
10 Dichlorodifluoromethane	85	1.453	1.453	0.000	99	1122292	100.0	108.1	
12 Chloromethane	50	1.666	1.666	0.000	99	1216702	100.0	103.7	
13 Vinyl chloride	62	1.770	1.770	0.000	98	1117634	100.0	100.0	
144 Butadiene	54	1.807	1.807	0.000	94	942855	100.0	103.8	
14 Bromomethane	94	2.148	2.148	0.000	92	680318	100.0	101.5	
15 Chloroethane	64	2.252	2.240	0.012	98	569057	100.0	92.8	
17 Trichlorofluoromethane	101	2.483	2.483	0.000	98	1364782	100.0	100.3	
16 Dichlorofluoromethane	67	2.489	2.489	0.000	97	1473473	100.0	98.1	
18 Ethyl ether	59	2.739	2.739	0.000	97	664025	100.0	106.4	
20 Acrolein	56	2.934	2.934	0.000	98	285879	500.0	541.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.995	2.983	0.012	95	839145	100.0	111.1	
22 1,1-Dichloroethene	96	3.014	3.002	0.012	96	723206	100.0	109.4	
23 Acetone	43	3.087	3.087	0.000	98	1294230	500.0	462.2	
25 Iodomethane	142	3.190	3.172	0.018	99	1613644	100.0	104.5	
26 Carbon disulfide	76	3.209	3.203	0.006	100	2295491	100.0	106.2	
28 3-Chloro-1-propene	41	3.331	3.325	0.006	86	1306588	100.0	96.1	M
27 Methyl acetate	43	3.367	3.367	0.000	99	1376401	200.0	194.2	
30 Methylene Chloride	84	3.526	3.514	0.012	98	834788	100.0	101.0	
31 2-Methyl-2-propanol	59	3.617	3.617	0.000	98	922627	1000.0	1042.5	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	98	2284155	100.0	106.2	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	96	798566	100.0	105.9	M
33 Acrylonitrile	53	3.733	3.733	0.000	97	3157016	1000.0	1011.8	
35 Hexane	57	3.849	3.843	0.006	94	1227356	100.0	108.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.062	4.062	0.000	97	1464588	100.0	105.5	
37 Vinyl acetate	43	4.093	4.093	0.000	97	4177293	200.0	219.4	
44 2,2-Dichloropropane	77	4.519	4.520	-0.001	93	689623	100.0	95.8	
45 cis-1,2-Dichloroethene	96	4.550	4.550	0.000	84	876513	100.0	105.6	
43 2-Butanone (MEK)	43	4.568	4.568	0.000	99	2208277	500.0	495.1	
48 Chlorobromomethane	128	4.757	4.757	0.000	97	522408	100.0	109.4	
49 Tetrahydrofuran	42	4.763	4.763	0.000	87	560669	200.0	187.3	
50 Chloroform	83	4.812	4.812	0.000	95	1480676	100.0	97.3	
51 1,1,1-Trichloroethane	97	4.916	4.916	0.000	98	1320251	100.0	111.1	
52 Cyclohexane	56	4.922	4.922	0.000	95	1440874	100.0	108.6	
55 Carbon tetrachloride	117	5.032	5.032	0.000	97	1293436	100.0	115.7	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	93	1133434	100.0	105.4	
53 Isobutyl alcohol	43	5.196	5.196	0.000	92	941732	2500.0	2534.4	
57 Benzene	78	5.214	5.215	-0.001	98	2971129	100.0	104.2	
58 1,2-Dichloroethane	62	5.269	5.269	0.000	98	1290390	100.0	100.5	
59 n-Heptane	43	5.330	5.330	0.000	95	1406991	100.0	106.9	
62 Trichloroethene	95	5.708	5.708	0.000	96	878252	100.0	108.1	
64 Methylcyclohexane	83	5.812	5.812	0.000	95	1366602	100.0	109.7	
65 1,2-Dichloropropane	63	5.909	5.910	-0.001	91	832610	100.0	104.2	
66 1,4-Dioxane	88	6.019	6.019	0.000	97	116934	2000.0	1918.4	
67 Dibromomethane	93	6.031	6.031	0.000	95	629540	100.0	105.4	
68 Dichlorobromomethane	83	6.141	6.141	0.000	98	1181269	100.0	111.9	
69 2-Chloroethyl vinyl ether	63	6.342	6.336	0.006	94	583980	100.0	111.3	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	94	1407618	100.0	110.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.568	6.562	0.006	98	4956666	500.0	497.0	
74 Toluene	92	6.702	6.696	0.006	98	1988756	100.0	103.3	
77 trans-1,3-Dichloropropene	75	6.909	6.909	0.000	98	1392722	100.0	111.9	
75 Ethyl methacrylate	69	6.915	6.915	0.000	92	1130100	100.0	109.3	
79 1,1,2-Trichloroethane	83	7.068	7.062	0.006	93	673003	100.0	102.0	
81 Tetrachloroethene	166	7.123	7.123	0.000	96	999351	100.0	105.3	
82 1,3-Dichloropropane	76	7.196	7.196	0.000	97	1295739	100.0	102.5	
80 2-Hexanone	43	7.220	7.220	0.000	98	3564733	500.0	491.3	
83 Chlorodibromomethane	129	7.391	7.385	0.006	90	1075690	100.0	118.8	
84 Ethylene Dibromide	107	7.482	7.482	0.000	99	933776	100.0	105.2	
87 Chlorobenzene	112	7.842	7.836	0.006	95	2367337	100.0	102.9	
88 Ethylbenzene	91	7.891	7.891	0.000	99	3784677	100.0	105.5	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.903	0.006	95	933372	100.0	114.2	
90 m-Xylene & p-Xylene	106	7.982	7.982	0.000	98	1518346	100.0	106.8	
91 o-Xylene	106	8.318	8.318	0.000	97	1484147	100.0	106.9	
92 Styrene	104	8.336	8.336	0.000	95	2583471	100.0	107.3	
95 Bromoform	173	8.555	8.555	0.000	97	808988	100.0	123.4	
94 Isopropylbenzene	105	8.604	8.604	0.000	96	3856075	100.0	105.0	
101 Bromobenzene	156	8.915	8.915	0.000	90	1150364	100.0	102.0	
97 1,1,2,2-Tetrachloroethane	83	8.921	8.921	0.000	96	1192943	100.0	101.7	
99 N-Propylbenzene	91	8.945	8.946	-0.001	99	4618249	100.0	104.0	
98 trans-1,4-Dichloro-2-butene	53	8.958	8.958	0.000	77	394349	100.0	110.7	
100 1,2,3-Trichloropropane	110	8.964	8.964	0.000	87	334984	100.0	105.8	
103 2-Chlorotoluene	126	9.049	9.049	0.000	97	1001874	100.0	103.7	
102 1,3,5-Trimethylbenzene	105	9.086	9.080	0.006	94	3342383	100.0	105.4	
105 4-Chlorotoluene	126	9.141	9.141	0.000	97	1052820	100.0	102.2	
106 tert-Butylbenzene	134	9.360	9.360	0.000	93	691580	100.0	108.7	
107 1,2,4-Trimethylbenzene	105	9.409	9.403	0.006	97	3429257	100.0	105.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	4361370	100.0	107.8	
110 4-Isopropyltoluene	119	9.659	9.653	0.006	97	3800767	100.0	108.4	
111 1,3-Dichlorobenzene	146	9.689	9.689	0.000	99	2132233	100.0	102.5	
113 1,4-Dichlorobenzene	146	9.762	9.762	0.000	96	2190332	100.0	102.1	
115 n-Butylbenzene	91	10.006	10.006	0.000	98	3494808	100.0	108.2	
116 1,2-Dichlorobenzene	146	10.092	10.092	0.000	98	2137095	100.0	104.1	
117 1,2-Dibromo-3-Chloropropane	75	10.780	10.781	-0.001	86	238446	100.0	113.8	
119 1,2,4-Trichlorobenzene	180	11.421	11.421	0.000	94	1660367	100.0	107.5	
120 Hexachlorobutadiene	225	11.512	11.512	0.000	97	788651	100.0	100.7	
121 Naphthalene	128	11.634	11.634	0.000	97	3885965	100.0	105.9	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	96	1575476	100.0	107.2	
S 126 1,3-Dichloropropene, Total	1				0			222.8	
S 124 Xylenes, Total	1				0			213.7	
S 125 1,2-Dichloroethene, Total	1				0			211.5	
S 123 Total BTEX	1				0			526.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00186	Amount Added: 50.00	Units: uL	
GAS CORP mix_00407	Amount Added: 50.00	Units: uL	
D 8260 IS/SUR_00018	Amount Added: 1.00	Units: uL	Run Reagent

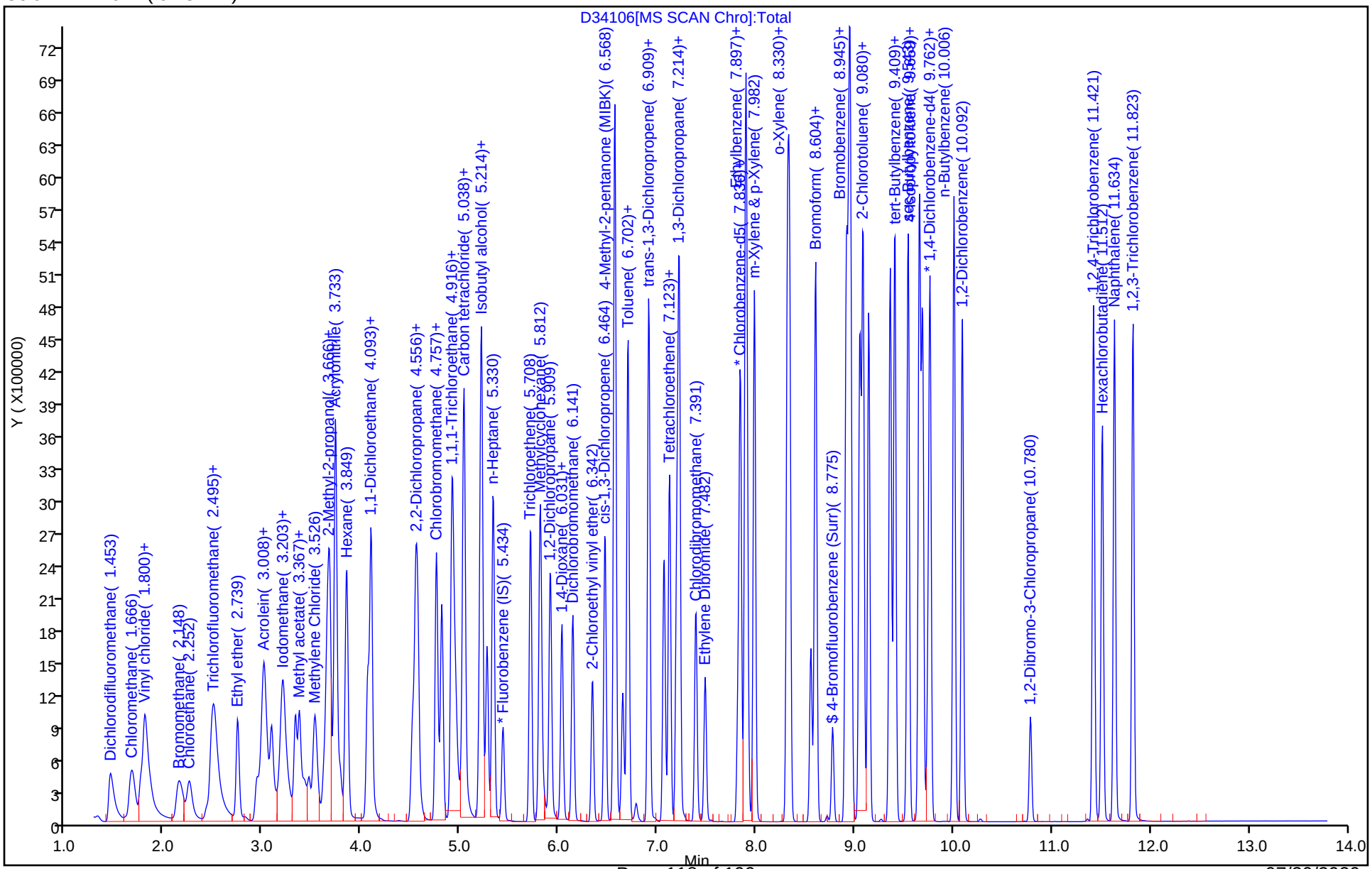
Report Date: 20-Jul-2020 22:55:23 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34106.D

Injection Date:	16-Jul-2020 17:28:30	Instrument ID:	HP5975D	Operator ID:	RF
Lims ID:	IC 7			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

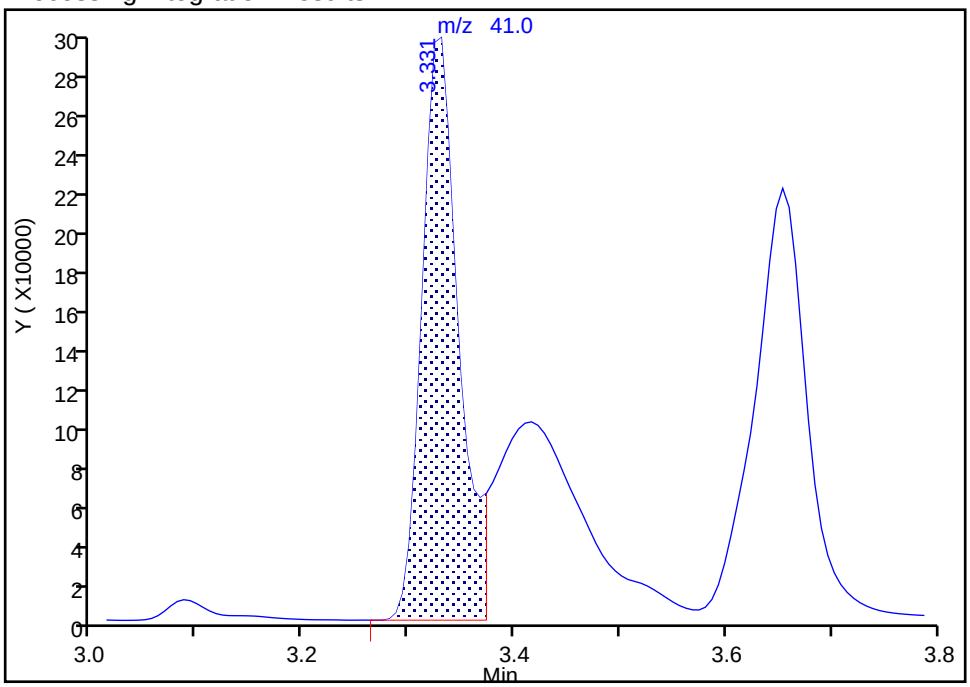
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34106.D
Injection Date: 16-Jul-2020 17:28:30 Instrument ID: HP5975D
Lims ID: IC 7
Client ID:
Operator ID: RF ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

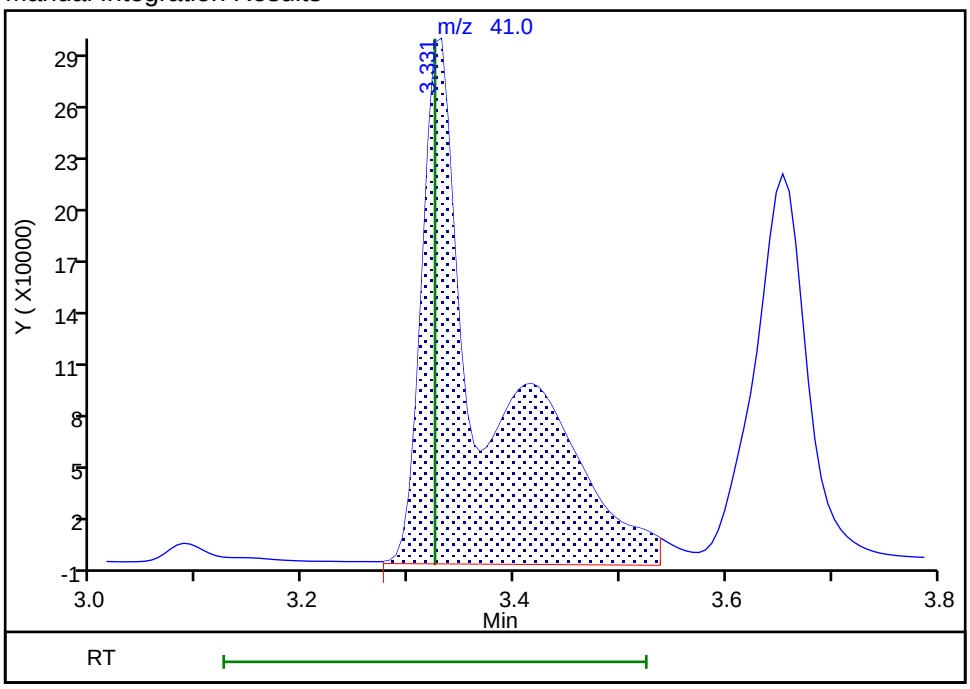
Processing Integration Results

RT: 3.33
Area: 719747
Amount: 55.935752
Amount Units: ug/L



Manual Integration Results

RT: 3.33
Area: 1306588
Amount: 96.066015
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:38:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

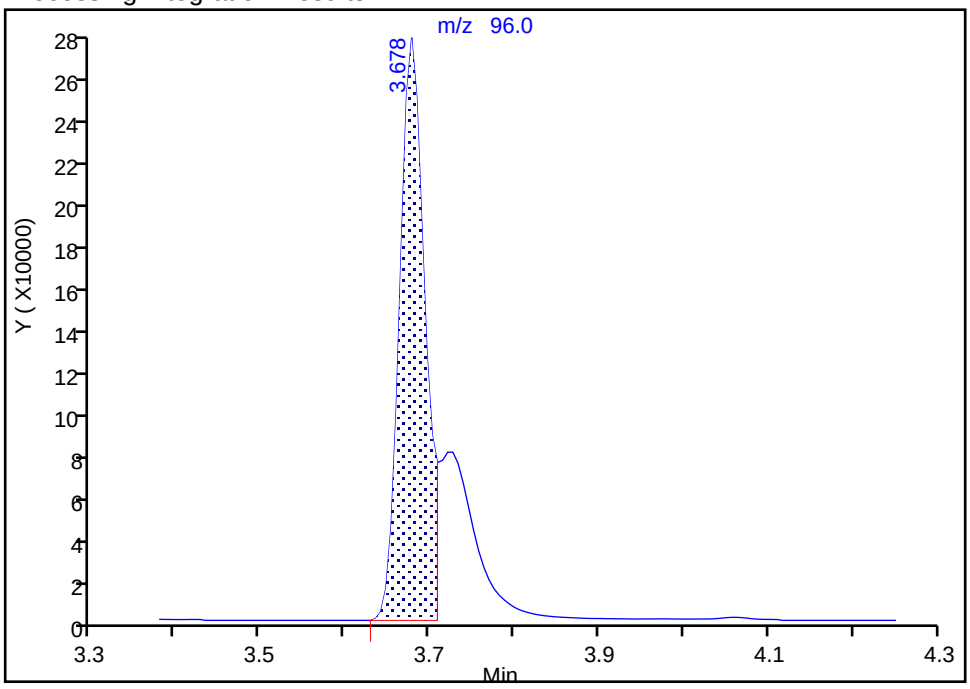
Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34106.D
Injection Date: 16-Jul-2020 17:28:30 Instrument ID: HP5975D
Lims ID: IC 7
Client ID:
Operator ID: RF ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

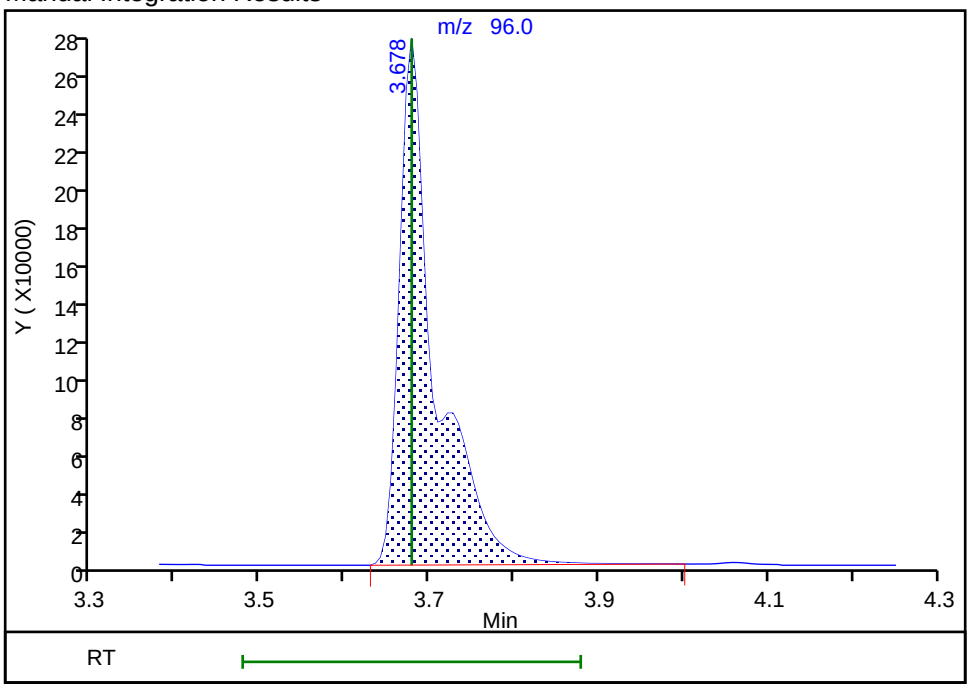
Processing Integration Results

RT: 3.68
Area: 573253
Amount: 84.150662
Amount Units: ug/L



Manual Integration Results

RT: 3.68
Area: 798566
Amount: 105.9058
Amount Units: ug/L



Reviewer: farrellr, 20-Jul-2020 10:40:45
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Lab Sample ID: ICV 480-540684/28 Calibration Date: 07/16/2020 22:50

Instrument ID: HP5975D Calib Start Date: 07/16/2020 14:45

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/16/2020 17:28

Lab File ID: D34120.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.775	1.888	0.1000	26.6	25.0	6.4	50.0
Chloromethane	Ave	2.007	2.095	0.1000	26.1	25.0	4.4	30.0
Vinyl chloride	Lin1		2.003	0.1000	26.3	25.0	5.4	30.0
Butadiene	Ave	1.553	1.809		29.1	25.0	16.5	30.0
Bromomethane	Ave	1.146	1.301	0.1000	28.4	25.0	13.5	50.0
Chloroethane	Ave	1.049	1.053	0.1000	25.1	25.0	0.4	50.0
Trichlorofluoromethane	Lin1		2.449	0.1000	26.6	25.0	6.4	30.0
Dichlorofluoromethane	Ave	2.569	2.667		26.0	25.0	3.8	30.0
Ethyl ether	Ave	1.067	1.150		26.9	25.0	7.8	30.0
Acrolein	Ave	0.0902	0.0986		137	125	9.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.291	1.477	0.1000	28.6	25.0	14.4	30.0
1,1-Dichloroethene	Ave	1.130	1.301	0.1000	28.8	25.0	15.2	30.0
Acetone	Ave	0.4787	0.4058	0.1000	106	125	-15.2	50.0
Iodomethane	Ave	2.639	2.854		27.0	25.0	8.1	30.0
Carbon disulfide	Ave	3.697	4.176	0.1000	28.2	25.0	13.0	30.0
Allyl chloride	Ave	2.325	2.237		24.0	25.0	-3.8	30.0
Methyl acetate	Ave	1.212	1.165	0.1000	48.1	50.0	-3.9	50.0
Methylene Chloride	Lin1		1.456	0.1000	25.6	25.0	2.5	30.0
2-Methyl-2-propanol	Ave	0.1513	0.1520		251	250	0.5	50.0
Methyl tert-butyl ether	Ave	3.676	3.755	0.1000	25.5	25.0	2.1	30.0
trans-1,2-Dichloroethene	Ave	1.289	1.430	0.1000	27.7	25.0	10.9	30.0
Acrylonitrile	Ave	0.5335	0.5229		245	250	-2.0	30.0
Hexane	Ave	1.940	2.019		26.0	25.0	4.1	30.0
1,1-Dichloroethane	Ave	2.374	2.552	0.2000	26.9	25.0	7.5	30.0
Vinyl acetate	Ave	3.256	3.062		47.0	50.0	-5.9	30.0
2,2-Dichloropropane	Ave	1.231	1.186		24.1	25.0	-3.6	30.0
cis-1,2-Dichloroethene	Ave	1.419	1.551	0.1000	27.3	25.0	9.3	30.0
2-Butanone (MEK)	Ave	0.7626	0.7220	0.1000	118	125	-5.3	30.0
Chlorobromomethane	Ave	0.8166	0.8657		26.5	25.0	6.0	30.0
Tetrahydrofuran	Ave	0.5118	0.4766		46.6	50.0	-6.9	30.0
Chloroform	Ave	2.601	2.579	0.2000	24.8	25.0	-0.8	30.0
1,1,1-Trichloroethane	Ave	2.032	2.275	0.1000	28.0	25.0	12.0	30.0
Cyclohexane	Ave	2.268	2.501	0.1000	27.6	25.0	10.3	30.0
Carbon tetrachloride	Ave	1.911	2.113	0.1000	27.6	25.0	10.6	30.0
1,1-Dichloropropene	Ave	1.839	1.954		26.6	25.0	6.2	30.0
Isobutyl alcohol	Ave	0.0635	0.0599		590	625	-5.7	50.0
Benzene	Ave	4.875	5.215	0.5000	26.7	25.0	7.0	30.0
1,2-Dichloroethane	Ave	2.195	2.217	0.1000	25.3	25.0	1.0	30.0
n-Heptane	Ave	2.251	2.267		25.2	25.0	0.7	30.0
Trichloroethene	Ave	1.389	1.529	0.2000	27.5	25.0	10.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Lab Sample ID: ICV 480-540684/28 Calibration Date: 07/16/2020 22:50

Instrument ID: HP5975D Calib Start Date: 07/16/2020 14:45

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/16/2020 17:28

Lab File ID: D34120.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.130	2.322	0.1000	27.3	25.0	9.0	30.0
1,2-Dichloropropane	Ave	1.366	1.458	0.1000	26.7	25.0	6.7	30.0
1,4-Dioxane	Lin1		0.0038		411	500	-17.7	50.0
Dibromomethane	Ave	1.022	1.077	0.1000	26.4	25.0	5.5	30.0
Bromodichloromethane	Ave	1.804	1.976	0.2000	27.4	25.0	9.5	30.0
2-Chloroethyl vinyl ether	Ave	0.8970	1.024		28.5	25.0	14.2	30.0
cis-1,3-Dichloropropene	Ave	2.170	2.292	0.2000	26.4	25.0	5.6	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7738	0.7569	0.1000	122	125	-2.2	30.0
Toluene	Ave	1.493	1.590	0.4000	26.6	25.0	6.5	30.0
trans-1,3-Dichloropropene	Ave	0.9657	0.9665	0.1000	25.0	25.0	0.0	30.0
Ethyl methacrylate	Ave	0.8026	0.8424		26.2	25.0	5.0	30.0
1,1,2-Trichloroethane	Ave	0.5118	0.5296	0.1000	25.9	25.0	3.5	30.0
Tetrachloroethene	Ave	0.7368	0.7879	0.2000	26.7	25.0	6.9	30.0
1,3-Dichloropropane	Ave	0.9814	1.003		25.5	25.0	2.2	30.0
2-Hexanone	Ave	0.5630	0.5710	0.1000	127	125	1.4	30.0
Dibromochloromethane	Ave	0.7024	0.7898	0.1000	28.1	25.0	12.4	30.0
1,2-Dibromoethane	Ave	0.6885	0.7211		26.2	25.0	4.7	30.0
Chlorobenzene	Ave	1.786	1.896	0.5000	26.5	25.0	6.2	30.0
Ethylbenzene	Ave	2.783	3.011	0.1000	27.0	25.0	8.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.6343	0.7111		28.0	25.0	12.1	30.0
m,p-Xylene	Ave	1.103	1.202	0.1000	27.2	25.0	9.0	30.0
o-Xylene	Ave	1.078	1.183	0.3000	27.4	25.0	9.8	30.0
Styrene	Ave	1.869	2.036	0.3000	27.2	25.0	8.9	30.0
Bromoform	Ave	0.5088	0.5582	0.1000	27.4	25.0	9.7	50.0
Isopropylbenzene	Ave	2.508	2.759	0.1000	27.5	25.0	10.0	30.0
Bromobenzene	Ave	0.7701	0.8018		26.0	25.0	4.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8014	0.8118	0.3000	25.3	25.0	1.3	30.0
N-Propylbenzene	Ave	3.033	3.253		26.8	25.0	7.2	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2433	0.2478		25.5	25.0	1.8	50.0
1,2,3-Trichloropropane	Ave	0.2164	0.2329		26.9	25.0	7.7	30.0
2-Chlorotoluene	Ave	0.6599	0.7061		26.7	25.0	7.0	30.0
1,3,5-Trimethylbenzene	Ave	2.166	2.330		26.9	25.0	7.6	30.0
4-Chlorotoluene	Ave	0.7038	0.7467		26.5	25.0	6.1	30.0
tert-Butylbenzene	Ave	0.4345	0.4844		27.9	25.0	11.5	30.0
1,2,4-Trimethylbenzene	Ave	2.222	2.403		27.0	25.0	8.2	30.0
sec-Butylbenzene	Ave	2.764	3.054		27.6	25.0	10.5	30.0
4-Isopropyltoluene	Ave	2.396	2.638		27.5	25.0	10.1	30.0
1,3-Dichlorobenzene	Ave	1.421	1.463	0.6000	25.7	25.0	3.0	30.0
1,4-Dichlorobenzene	Ave	1.466	1.517	0.5000	25.9	25.0	3.5	30.0
n-Butylbenzene	Ave	2.205	2.363		26.8	25.0	7.1	30.0
1,2-Dichlorobenzene	Ave	1.403	1.414	0.4000	25.2	25.0	0.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Lab Sample ID: ICV 480-540684/28 Calibration Date: 07/16/2020 22:50

Instrument ID: HP5975D Calib Start Date: 07/16/2020 14:45

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/16/2020 17:28

Lab File ID: D34120.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1431	0.1461	0.0500	25.5	25.0	2.1	50.0
1,2,4-Trichlorobenzene	Ave	1.055	1.072	0.2000	25.4	25.0	1.6	30.0
Hexachlorobutadiene	Lin1		0.5101		24.0	25.0	-4.2	30.0
Naphthalene	Ave	2.506	2.472		24.7	25.0	-1.4	30.0
1,2,3-Trichlorobenzene	Ave	1.004	0.999		24.9	25.0	-0.4	30.0
Dibromofluoromethane (Surr)	Ave	1.526	1.545		25.3	25.0	1.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8846	0.8896		25.1	25.0	0.6	30.0
Toluene-d8 (Surr)	Ave	2.363	2.339		24.7	25.0	-1.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.8574	0.8760		25.5	25.0	2.2	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34120.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jul-2020 22:50:30 ALS Bottle#: 28 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0092073-028
Operator ID: RF Instrument ID: HP5975D
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 20-Jul-2020 23:08:47 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1058

First Level Reviewer: farrellr Date: 20-Jul-2020 13:51:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.434	0.000	98	145511	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	87	315755	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	94	355384	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.946	0.000	93	224794	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.209	5.208	0.001	99	129440	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	94	738430	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	94	276590	25.0	25.5	
10 Dichlorodifluoromethane	85	1.447	1.453	-0.006	99	274771	25.0	26.6	
12 Chloromethane	50	1.660	1.666	-0.006	99	304865	25.0	26.1	
13 Vinyl chloride	62	1.764	1.770	-0.006	98	291526	25.0	26.3	
144 Butadiene	54	1.801	1.807	-0.006	94	263240	25.0	29.1	
14 Bromomethane	94	2.148	2.148	0.000	92	189281	25.0	28.4	
15 Chloroethane	64	2.234	2.240	-0.006	98	153244	25.0	25.1	
17 Trichlorofluoromethane	101	2.477	2.483	-0.006	98	356307	25.0	26.6	
16 Dichlorofluoromethane	67	2.483	2.489	-0.006	97	388117	25.0	26.0	
18 Ethyl ether	59	2.740	2.739	0.001	97	167311	25.0	26.9	
20 Acrolein	56	2.935	2.934	0.001	100	71712	125.0	136.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.977	2.983	-0.006	94	214887	25.0	28.6	
22 1,1-Dichloroethene	96	3.002	3.002	0.000	95	189350	25.0	28.8	
23 Acetone	43	3.087	3.087	0.000	98	295249	125.0	106.0	
25 Iodomethane	142	3.172	3.172	0.000	99	415238	25.0	27.0	
26 Carbon disulfide	76	3.203	3.203	0.000	100	607672	25.0	28.2	
28 3-Chloro-1-propene	41	3.331	3.325	0.006	89	325468	25.0	24.0	
27 Methyl acetate	43	3.367	3.367	0.000	99	339091	50.0	48.1	
30 Methylene Chloride	84	3.514	3.514	0.000	99	211931	25.0	25.6	
31 2-Methyl-2-propanol	59	3.617	3.617	0.000	98	221218	250.0	251.2	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	99	546336	25.0	25.5	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	96	208128	25.0	27.7	
33 Acrylonitrile	53	3.733	3.733	0.000	97	760835	250.0	245.0	
35 Hexane	57	3.849	3.843	0.006	94	293793	25.0	26.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.062	4.062	0.000	97	371289	25.0	26.9	
37 Vinyl acetate	43	4.093	4.093	0.000	97	891213	50.0	47.0	
44 2,2-Dichloropropane	77	4.520	4.520	0.000	92	172637	25.0	24.1	
45 cis-1,2-Dichloroethene	96	4.550	4.550	0.000	82	225648	25.0	27.3	
43 2-Butanone (MEK)	43	4.568	4.568	0.000	99	525313	125.0	118.3	
48 Chlorobromomethane	128	4.757	4.757	0.000	97	125969	25.0	26.5	
49 Tetrahydrofuran	42	4.764	4.763	0.001	87	138710	50.0	46.6	
50 Chloroform	83	4.812	4.812	0.000	95	375281	25.0	24.8	
51 1,1,1-Trichloroethane	97	4.916	4.916	0.000	98	330979	25.0	28.0	
52 Cyclohexane	56	4.922	4.922	0.000	95	363918	25.0	27.6	
55 Carbon tetrachloride	117	5.032	5.032	0.000	97	307473	25.0	27.6	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	93	284314	25.0	26.6	
53 Isobutyl alcohol	43	5.196	5.196	0.000	92	218054	625.0	589.7	
57 Benzene	78	5.215	5.215	0.000	97	758806	25.0	26.7	
58 1,2-Dichloroethane	62	5.270	5.269	0.001	98	322660	25.0	25.3	
59 n-Heptane	43	5.330	5.330	0.000	95	329936	25.0	25.2	
62 Trichloroethene	95	5.708	5.708	0.000	96	222536	25.0	27.5	
64 Methylcyclohexane	83	5.812	5.812	0.000	95	337857	25.0	27.3	
65 1,2-Dichloropropane	63	5.910	5.910	0.000	91	212125	25.0	26.7	
66 1,4-Dioxane	88	6.019	6.019	0.000	96	23998	500.0	411.5	
67 Dibromomethane	93	6.032	6.031	0.001	95	156759	25.0	26.4	
68 Dichlorobromomethane	83	6.141	6.141	0.000	97	287510	25.0	27.4	
69 2-Chloroethyl vinyl ether	63	6.342	6.336	0.006	94	148994	25.0	28.5	
72 cis-1,3-Dichloropropene	75	6.464	6.464	0.000	93	333501	25.0	26.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.568	6.562	0.006	98	1195019	125.0	122.3	
74 Toluene	92	6.702	6.696	0.006	98	502096	25.0	26.6	
77 trans-1,3-Dichloropropene	75	6.909	6.909	0.000	98	305188	25.0	25.0	
75 Ethyl methacrylate	69	6.916	6.915	0.001	92	265980	25.0	26.2	
79 1,1,2-Trichloroethane	83	7.062	7.062	0.000	93	167225	25.0	25.9	
81 Tetrachloroethene	166	7.123	7.123	0.000	96	248772	25.0	26.7	
82 1,3-Dichloropropane	76	7.196	7.196	0.000	96	316670	25.0	25.5	
80 2-Hexanone	43	7.220	7.220	0.000	98	901519	125.0	126.8	
83 Chlorodibromomethane	129	7.391	7.385	0.006	90	249391	25.0	28.1	
84 Ethylene Dibromide	107	7.483	7.482	0.000	99	227691	25.0	26.2	
87 Chlorobenzene	112	7.842	7.836	0.006	98	598599	25.0	26.5	
88 Ethylbenzene	91	7.891	7.891	0.000	99	950693	25.0	27.0	
89 1,1,1,2-Tetrachloroethane	131	7.903	7.903	0.000	95	224531	25.0	28.0	
90 m-Xylene & p-Xylene	106	7.982	7.982	0.000	98	379607	25.0	27.2	
91 o-Xylene	106	8.318	8.318	0.000	97	373614	25.0	27.4	
92 Styrene	104	8.336	8.336	0.000	94	642819	25.0	27.2	
95 Bromoform	173	8.555	8.555	0.000	97	176259	25.0	27.4	
94 Isopropylbenzene	105	8.604	8.604	0.000	96	980590	25.0	27.5	
101 Bromobenzene	156	8.915	8.915	0.000	90	284934	25.0	26.0	
97 1,1,2,2-Tetrachloroethane	83	8.921	8.921	0.000	96	288512	25.0	25.3	
99 N-Propylbenzene	91	8.946	8.946	0.000	99	1155913	25.0	26.8	
98 trans-1,4-Dichloro-2-butene	53	8.958	8.958	0.000	76	88080	25.0	25.5	
100 1,2,3-Trichloropropane	110	8.964	8.964	0.000	88	82783	25.0	26.9	
103 2-Chlorotoluene	126	9.049	9.049	0.000	97	250922	25.0	26.7	
102 1,3,5-Trimethylbenzene	105	9.086	9.080	0.006	95	827981	25.0	26.9	
105 4-Chlorotoluene	126	9.141	9.141	0.000	97	265355	25.0	26.5	
106 tert-Butylbenzene	134	9.360	9.360	0.000	93	172157	25.0	27.9	
107 1,2,4-Trimethylbenzene	105	9.403	9.403	0.000	98	854053	25.0	27.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	1085250	25.0	27.6	
110 4-Isopropyltoluene	119	9.653	9.653	0.000	97	937340	25.0	27.5	
111 1,3-Dichlorobenzene	146	9.689	9.689	0.000	98	519961	25.0	25.7	
113 1,4-Dichlorobenzene	146	9.763	9.762	0.001	96	539114	25.0	25.9	
115 n-Butylbenzene	91	10.006	10.006	0.000	98	839649	25.0	26.8	
116 1,2-Dichlorobenzene	146	10.092	10.092	0.000	98	502473	25.0	25.2	
117 1,2-Dibromo-3-Chloropropane	75	10.781	10.781	0.000	84	51925	25.0	25.5	
119 1,2,4-Trichlorobenzene	180	11.421	11.421	0.000	94	381018	25.0	25.4	
120 Hexachlorobutadiene	225	11.512	11.512	0.000	97	181268	25.0	24.0	
121 Naphthalene	128	11.634	11.634	0.000	97	878360	25.0	24.7	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	355041	25.0	24.9	

Reagents:

SS 8260 CORP_00085	Amount Added: 12.50	Units: uL	
SS GAS CORP_00359	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00018	Amount Added: 1.00	Units: uL	Run Reagent

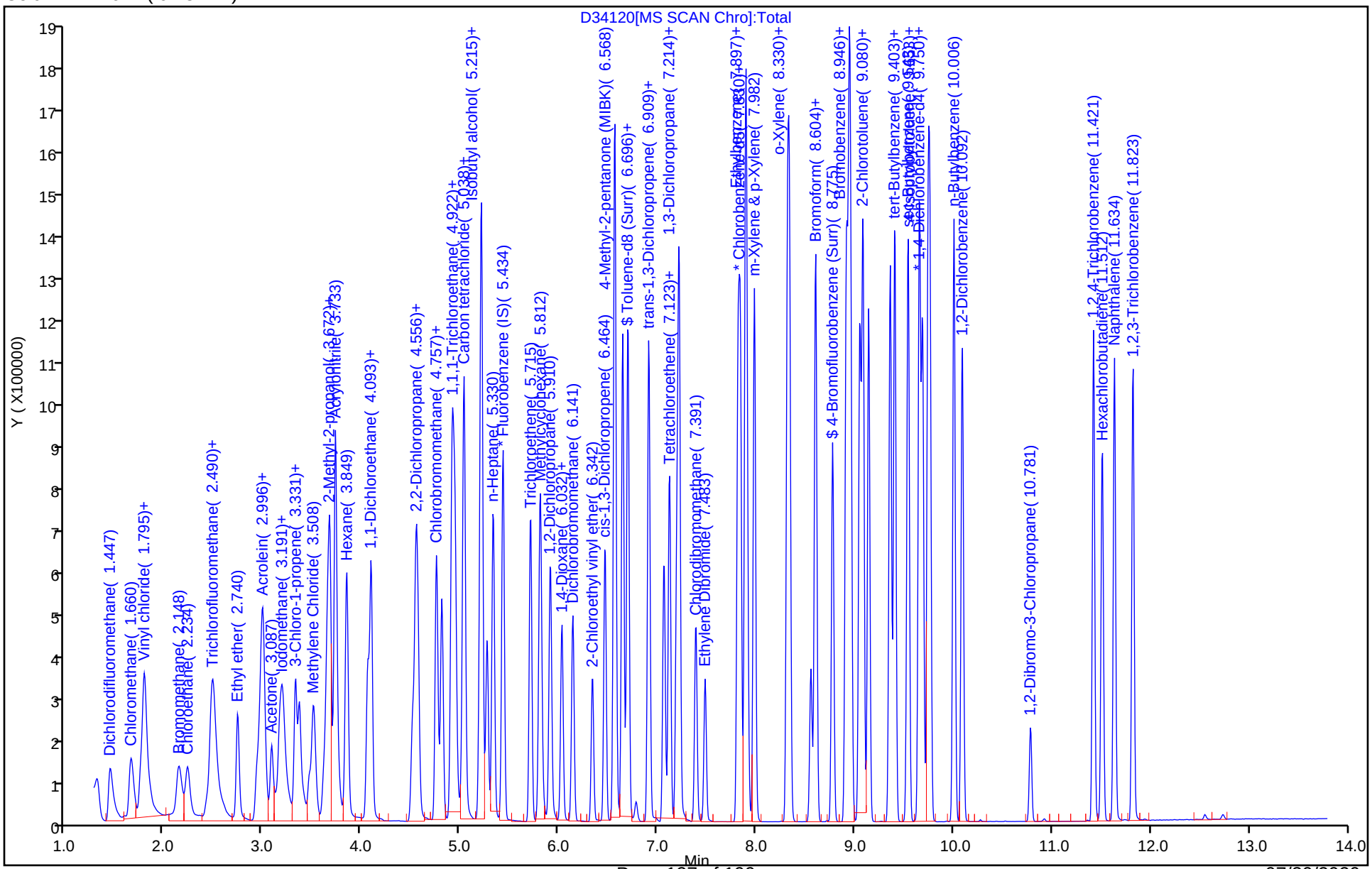
Report Date: 20-Jul-2020 23:58:14 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34120.D

Injection Date:	16-Jul-2020 22:50:30	Instrument ID:	HP5975D	Operator ID:	RF
Lims ID:	ICV			Worklist Smp#:	28
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Lab Sample ID: CCVIS 480-542194/3 Calibration Date: 07/26/2020 17:53

Instrument ID: HP5975D Calib Start Date: 07/16/2020 14:45

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/16/2020 17:28

Lab File ID: D34408.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.775	1.787	0.1000	25.2	25.0	0.7	50.0
Chloromethane	Ave	2.007	2.149	0.1000	26.8	25.0	7.1	20.0
Vinyl chloride	Lin1		1.983	0.1000	26.1	25.0	4.3	20.0
Butadiene	Ave	1.553	1.878		30.2	25.0	20.9*	20.0
Bromomethane	Ave	1.146	1.237	0.1000	27.0	25.0	8.0	50.0
Chloroethane	Ave	1.049	1.068	0.1000	25.5	25.0	1.9	50.0
Trichlorofluoromethane	Lin1		2.410	0.1000	26.2	25.0	4.7	20.0
Dichlorofluoromethane	Ave	2.569	2.657		25.9	25.0	3.4	20.0
Ethyl ether	Ave	1.067	1.177		27.6	25.0	10.4	20.0
Acrolein	Ave	0.0902	0.1066		148	125	18.1	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.291	1.437	0.1000	27.8	25.0	11.3	20.0
1,1-Dichloroethene	Ave	1.130	1.216	0.1000	26.9	25.0	7.7	20.0
Acetone	Ave	0.4787	0.5472	0.1000	143	125	14.3	50.0
Iodomethane	Ave	2.639	2.693		25.5	25.0	2.0	20.0
Carbon disulfide	Ave	3.697	4.190	0.1000	28.3	25.0	13.3	20.0
Allyl chloride	Ave	2.325	2.358		25.3	25.0	1.4	20.0
Methyl acetate	Ave	1.212	1.398	0.1000	57.7	50.0	15.3	50.0
Methylene Chloride	Lin1		1.428	0.1000	25.1	25.0	0.5	20.0
2-Methyl-2-propanol	Ave	0.1513	0.1772		293	250	17.1	50.0
Methyl tert-butyl ether	Ave	3.676	3.830	0.1000	26.0	25.0	4.2	20.0
trans-1,2-Dichloroethene	Ave	1.289	1.366	0.1000	26.5	25.0	5.9	20.0
Acrylonitrile	Ave	0.5335	0.6180		290	250	15.8	20.0
Hexane	Ave	1.940	2.252		29.0	25.0	16.1	20.0
1,1-Dichloroethane	Ave	2.374	2.591	0.2000	27.3	25.0	9.1	20.0
Vinyl acetate	Ave	3.256	3.889		59.7	50.0	19.5	20.0
2,2-Dichloropropane	Ave	1.231	1.459		29.6	25.0	18.6	20.0
cis-1,2-Dichloroethene	Ave	1.419	1.506	0.1000	26.5	25.0	6.1	20.0
2-Butanone (MEK)	Ave	0.7626	0.8976	0.1000	147	125	17.7	20.0
Chlorobromomethane	Ave	0.8166	0.8579		26.3	25.0	5.1	20.0
Tetrahydrofuran	Ave	0.5118	0.5705		55.7	50.0	11.5	20.0
Chloroform	Ave	2.601	2.576	0.2000	24.8	25.0	-0.9	20.0
1,1,1-Trichloroethane	Ave	2.032	2.149	0.1000	26.4	25.0	5.8	20.0
Cyclohexane	Ave	2.268	2.577	0.1000	28.4	25.0	13.6	20.0
Carbon tetrachloride	Ave	1.911	2.041	0.1000	26.7	25.0	6.8	20.0
1,1-Dichloropropene	Ave	1.839	1.982		26.9	25.0	7.8	20.0
Isobutyl alcohol	Ave	0.0635	0.0785		772	625	23.5	50.0
Benzene	Ave	4.875	5.155	0.5000	26.4	25.0	5.7	20.0
1,2-Dichloroethane	Ave	2.195	2.266	0.1000	25.8	25.0	3.3	20.0
n-Heptane	Ave	2.251	2.709		30.1	25.0	20.3*	20.0
Trichloroethene	Ave	1.389	1.493	0.2000	26.9	25.0	7.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Lab Sample ID: CCVIS 480-542194/3 Calibration Date: 07/26/2020 17:53

Instrument ID: HP5975D Calib Start Date: 07/16/2020 14:45

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/16/2020 17:28

Lab File ID: D34408.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.130	2.350	0.1000	27.6	25.0	10.3	20.0
1,2-Dichloropropane	Ave	1.366	1.471	0.1000	26.9	25.0	7.7	20.0
1,4-Dioxane	Lin1		0.0054		582	500	16.4	50.0
Dibromomethane	Ave	1.022	1.067	0.1000	26.1	25.0	4.4	20.0
Bromodichloromethane	Ave	1.804	1.946	0.2000	27.0	25.0	7.9	20.0
2-Chloroethyl vinyl ether	Ave	0.8970	0.9828		27.4	25.0	9.6	20.0
cis-1,3-Dichloropropene	Ave	2.170	2.345	0.2000	27.0	25.0	8.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7738	0.8995	0.1000	145	125	16.2	20.0
Toluene	Ave	1.493	1.581	0.4000	26.5	25.0	5.8	20.0
trans-1,3-Dichloropropene	Ave	0.9657	1.074	0.1000	27.8	25.0	11.2	20.0
Ethyl methacrylate	Ave	0.8026	0.8897		27.7	25.0	10.9	20.0
1,1,2-Trichloroethane	Ave	0.5118	0.5464	0.1000	26.7	25.0	6.8	20.0
Tetrachloroethene	Ave	0.7368	0.7648	0.2000	26.0	25.0	3.8	20.0
1,3-Dichloropropane	Ave	0.9814	1.053		26.8	25.0	7.3	20.0
2-Hexanone	Ave	0.5630	0.6630	0.1000	147	125	17.8	20.0
Dibromochloromethane	Ave	0.7024	0.7968	0.1000	28.4	25.0	13.4	20.0
1,2-Dibromoethane	Ave	0.6885	0.7522		27.3	25.0	9.2	20.0
Chlorobenzene	Ave	1.786	1.877	0.5000	26.3	25.0	5.1	20.0
Ethylbenzene	Ave	2.783	2.994	0.1000	26.9	25.0	7.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6343	0.7042		27.8	25.0	11.0	20.0
m,p-Xylene	Ave	1.103	1.192	0.1000	27.0	25.0	8.1	20.0
o-Xylene	Ave	1.078	1.150	0.3000	26.7	25.0	6.7	20.0
Styrene	Ave	1.869	1.986	0.3000	26.6	25.0	6.3	20.0
Bromoform	Ave	0.5088	0.5716	0.1000	28.1	25.0	12.3	50.0
Isopropylbenzene	Ave	2.508	2.760	0.1000	27.5	25.0	10.0	20.0
Bromobenzene	Ave	0.7701	0.8079		26.2	25.0	4.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8014	0.8826	0.3000	27.5	25.0	10.1	20.0
N-Propylbenzene	Ave	3.033	3.376		27.8	25.0	11.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2433	0.2766		28.4	25.0	13.7	50.0
1,2,3-Trichloropropane	Ave	0.2164	0.2433		28.1	25.0	12.4	20.0
2-Chlorotoluene	Ave	0.6599	0.7192		27.2	25.0	9.0	20.0
1,3,5-Trimethylbenzene	Ave	2.166	2.359		27.2	25.0	8.9	20.0
4-Chlorotoluene	Ave	0.7038	0.7501		26.6	25.0	6.6	20.0
tert-Butylbenzene	Ave	0.4345	0.4813		27.7	25.0	10.7	20.0
1,2,4-Trimethylbenzene	Ave	2.222	2.407		27.1	25.0	8.3	20.0
sec-Butylbenzene	Ave	2.764	3.094		28.0	25.0	11.9	20.0
4-Isopropyltoluene	Ave	2.396	2.664		27.8	25.0	11.2	20.0
1,3-Dichlorobenzene	Ave	1.421	1.485	0.6000	26.1	25.0	4.6	20.0
1,4-Dichlorobenzene	Ave	1.466	1.517	0.5000	25.9	25.0	3.5	20.0
n-Butylbenzene	Ave	2.205	2.478		28.1	25.0	12.4	20.0
1,2-Dichlorobenzene	Ave	1.403	1.474	0.4000	26.3	25.0	5.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Lab Sample ID: CCVIS 480-542194/3 Calibration Date: 07/26/2020 17:53

Instrument ID: HP5975D Calib Start Date: 07/16/2020 14:45

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 07/16/2020 17:28

Lab File ID: D34408.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1431	0.1663	0.0500	29.0	25.0	16.1	50.0
1,2,4-Trichlorobenzene	Ave	1.055	1.088	0.2000	25.8	25.0	3.1	20.0
Hexachlorobutadiene	Lin1		0.5273		24.8	25.0	-0.9	20.0
Naphthalene	Ave	2.506	2.617		26.1	25.0	4.4	20.0
1,2,3-Trichlorobenzene	Ave	1.004	1.019		25.4	25.0	1.6	20.0
Dibromofluoromethane (Surr)	Ave	1.526	1.522		24.9	25.0	-0.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8846	0.8993		25.4	25.0	1.7	20.0
Toluene-d8 (Surr)	Ave	2.363	2.356		24.9	25.0	-0.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8574	0.8509		24.8	25.0	-0.8	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34408.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Jul-2020 17:53:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0092328-003
Operator ID: CDC Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Jul-2020 18:18:41 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1035

First Level Reviewer: cwiklinc Date: 26-Jul-2020 18:18:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.434	0.000	98	137677	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	88	293917	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	95	323073	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.946	0.000	92	209543	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.208	0.000	99	123807	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	95	692323	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	93	250098	25.0	24.8	
10 Dichlorodifluoromethane	85	1.453	1.453	0.000	99	245961	25.0	25.2	
12 Chloromethane	50	1.660	1.660	0.000	99	295863	25.0	26.8	
13 Vinyl chloride	62	1.770	1.770	0.000	98	273081	25.0	26.1	
144 Butadiene	54	1.800	1.800	0.000	95	258503	25.0	30.2	
14 Bromomethane	94	2.148	2.148	0.000	92	170332	25.0	27.0	
15 Chloroethane	64	2.233	2.233	0.000	97	147069	25.0	25.5	
17 Trichlorofluoromethane	101	2.477	2.477	0.000	99	331749	25.0	26.2	
16 Dichlorofluoromethane	67	2.483	2.483	0.000	97	365818	25.0	25.9	
18 Ethyl ether	59	2.739	2.739	0.000	97	162104	25.0	27.6	
20 Acrolein	56	2.934	2.934	0.000	99	73366	125.0	147.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.977	2.977	0.000	95	197779	25.0	27.8	
22 1,1-Dichloroethene	96	2.995	2.995	0.000	97	167457	25.0	26.9	
23 Acetone	43	3.087	3.087	0.000	98	376669	125.0	142.9	
25 Iodomethane	142	3.172	3.172	0.000	99	370721	25.0	25.5	
26 Carbon disulfide	76	3.203	3.203	0.000	99	576802	25.0	28.3	
28 3-Chloro-1-propene	41	3.331	3.331	0.000	87	324615	25.0	25.3	
27 Methyl acetate	43	3.367	3.367	0.000	100	384929	50.0	57.7	
30 Methylene Chloride	84	3.507	3.507	0.000	98	196635	25.0	25.1	
31 2-Methyl-2-propanol	59	3.617	3.617	0.000	99	243929	250.0	292.7	
32 Methyl tert-butyl ether	73	3.654	3.654	0.000	99	527298	25.0	26.0	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	95	188003	25.0	26.5	
33 Acrylonitrile	53	3.733	3.733	0.000	97	850884	250.0	289.6	
35 Hexane	57	3.849	3.849	0.000	95	310112	25.0	29.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	4.062	4.062	0.000	97	356777	25.0	27.3	
37 Vinyl acetate	43	4.093	4.093	0.000	97	1070837	50.0	59.7	
44 2,2-Dichloropropane	77	4.519	4.519	0.000	94	200899	25.0	29.6	
45 cis-1,2-Dichloroethene	96	4.550	4.550	0.000	85	207282	25.0	26.5	
43 2-Butanone (MEK)	43	4.568	4.568	0.000	98	617903	125.0	147.1	
48 Chlorobromomethane	128	4.757	4.757	0.000	97	118119	25.0	26.3	
49 Tetrahydrofuran	42	4.769	4.769	0.000	89	157084	50.0	55.7	
50 Chloroform	83	4.812	4.812	0.000	96	354723	25.0	24.8	
51 1,1,1-Trichloroethane	97	4.916	4.916	0.000	97	295918	25.0	26.4	
52 Cyclohexane	56	4.922	4.922	0.000	95	354752	25.0	28.4	
55 Carbon tetrachloride	117	5.032	5.032	0.000	96	280991	25.0	26.7	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	93	272903	25.0	26.9	
53 Isobutyl alcohol	43	5.196	5.196	0.000	92	270132	625.0	772.1	
57 Benzene	78	5.214	5.214	0.000	96	709678	25.0	26.4	
58 1,2-Dichloroethane	62	5.269	5.269	0.000	97	312011	25.0	25.8	
59 n-Heptane	43	5.330	5.330	0.000	96	372930	25.0	30.1	
62 Trichloroethene	95	5.714	5.714	0.000	96	205512	25.0	26.9	
64 Methylcyclohexane	83	5.812	5.812	0.000	96	323531	25.0	27.6	
65 1,2-Dichloropropane	63	5.915	5.915	0.000	91	202532	25.0	26.9	
66 1,4-Dioxane	88	6.019	6.019	0.000	97	31870	500.0	581.8	
67 Dibromomethane	93	6.031	6.031	0.000	96	146870	25.0	26.1	
68 Dichlorobromomethane	83	6.141	6.141	0.000	97	267953	25.0	27.0	
69 2-Chloroethyl vinyl ether	63	6.342	6.342	0.000	94	135306	25.0	27.4	
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	91	322785	25.0	27.0	
73 4-Methyl-2-pentanone (MIBK)	43	6.568	6.568	0.000	99	1321835	125.0	145.3	
74 Toluene	92	6.702	6.702	0.000	98	464558	25.0	26.5	
77 trans-1,3-Dichloropropene	75	6.909	6.909	0.000	98	315559	25.0	27.8	
75 Ethyl methacrylate	69	6.915	6.915	0.000	92	261497	25.0	27.7	
79 1,1,2-Trichloroethane	83	7.068	7.068	0.000	93	160596	25.0	26.7	
81 Tetrachloroethene	166	7.123	7.123	0.000	95	224779	25.0	26.0	
82 1,3-Dichloropropane	76	7.196	7.196	0.000	97	309562	25.0	26.8	
80 2-Hexanone	43	7.220	7.220	0.000	99	974340	125.0	147.2	
83 Chlorodibromomethane	129	7.391	7.391	0.000	90	234184	25.0	28.4	
84 Ethylene Dibromide	107	7.482	7.482	0.000	98	221071	25.0	27.3	
87 Chlorobenzene	112	7.842	7.842	0.000	97	551788	25.0	26.3	
88 Ethylbenzene	91	7.891	7.891	0.000	99	880079	25.0	26.9	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	96	206973	25.0	27.8	
90 m-Xylene & p-Xylene	106	7.982	7.982	0.000	98	350335	25.0	27.0	
91 o-Xylene	106	8.317	8.317	0.000	98	338013	25.0	26.7	
92 Styrene	104	8.342	8.342	0.000	96	583753	25.0	26.6	
95 Bromoform	173	8.555	8.555	0.000	96	167988	25.0	28.1	
94 Isopropylbenzene	105	8.604	8.604	0.000	96	891697	25.0	27.5	
101 Bromobenzene	156	8.915	8.915	0.000	91	260996	25.0	26.2	
97 1,1,2,2-Tetrachloroethane	83	8.921	8.921	0.000	96	285131	25.0	27.5	
99 N-Propylbenzene	91	8.945	8.945	0.000	98	1090729	25.0	27.8	
98 trans-1,4-Dichloro-2-butene	53	8.958	8.958	0.000	75	89369	25.0	28.4	
100 1,2,3-Trichloropropane	110	8.964	8.964	0.000	88	78608	25.0	28.1	
103 2-Chlorotoluene	126	9.049	9.049	0.000	98	232338	25.0	27.2	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	94	762220	25.0	27.2	
105 4-Chlorotoluene	126	9.140	9.140	0.000	98	242328	25.0	26.6	
106 tert-Butylbenzene	134	9.360	9.360	0.000	93	155478	25.0	27.7	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	98	777778	25.0	27.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	999461	25.0	28.0	
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	860657	25.0	27.8	
111 1,3-Dichlorobenzene	146	9.689	9.689	0.000	99	479917	25.0	26.1	
113 1,4-Dichlorobenzene	146	9.762	9.762	0.000	96	490195	25.0	25.9	
115 n-Butylbenzene	91	10.006	10.006	0.000	98	800570	25.0	28.1	
116 1,2-Dichlorobenzene	146	10.092	10.092	0.000	97	476049	25.0	26.3	
117 1,2-Dibromo-3-Chloropropane	75	10.780	10.780	0.000	84	53711	25.0	29.0	
119 1,2,4-Trichlorobenzene	180	11.421	11.421	0.000	94	351473	25.0	25.8	
120 Hexachlorobutadiene	225	11.512	11.512	0.000	97	170344	25.0	24.8	
121 Naphthalene	128	11.634	11.634	0.000	97	845540	25.0	26.1	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	96	329371	25.0	25.4	

Reagents:

8260 CORP mix_00190	Amount Added: 12.50	Units: uL	
GAS CORP mix_00408	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00018	Amount Added: 1.00	Units: uL	Run Reagent

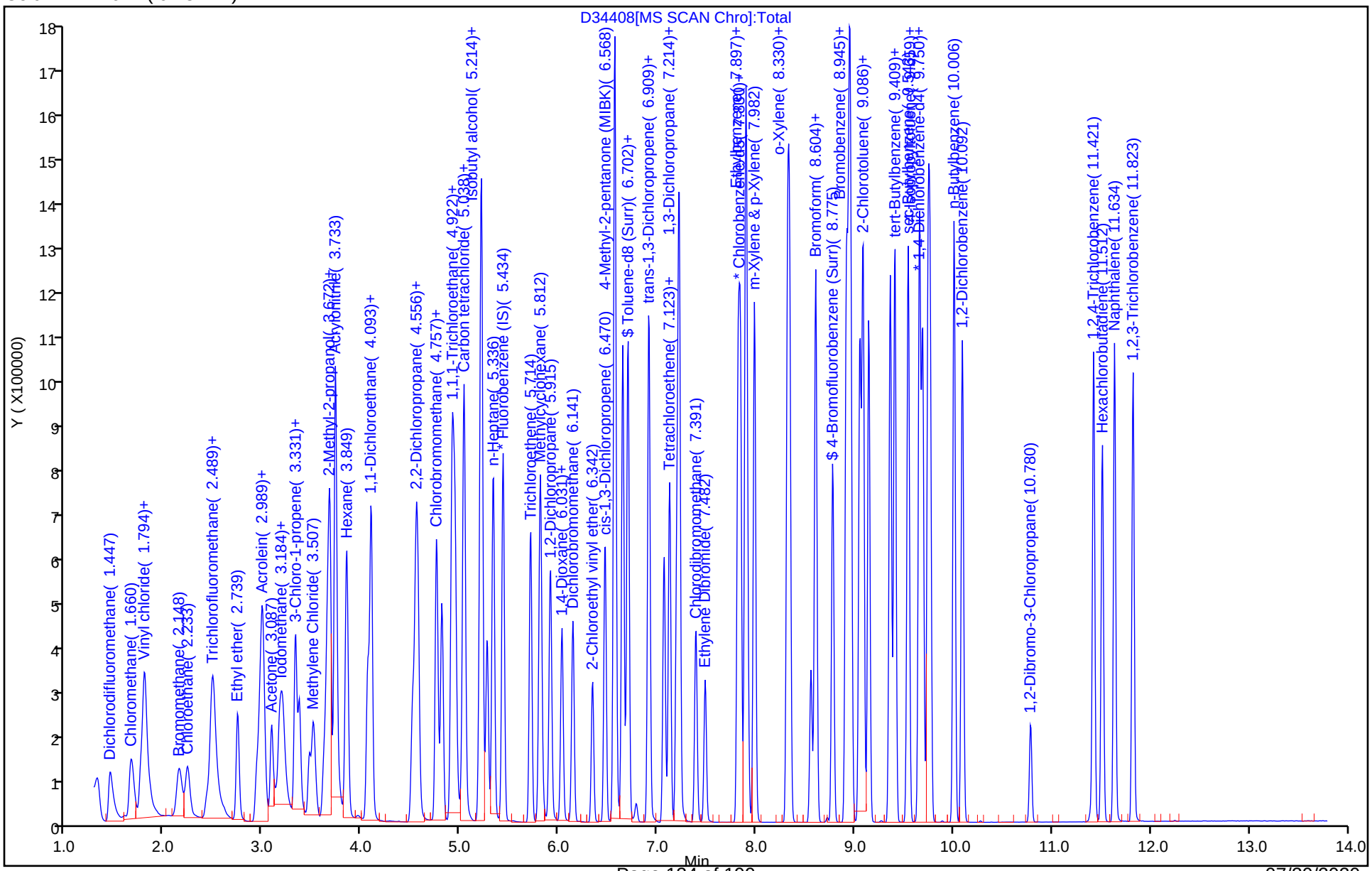
Report Date: 26-Jul-2020 18:18:41 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34408.D

Injection Date:	26-Jul-2020 17:53:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34097.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	16-Jul-2020 13:55:30	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0092073-005				
Operator ID:	RF	Instrument ID:	HP5975D		
Method:	\\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	20-Jul-2020 22:55:24	Calib Date:	16-Jul-2020 21:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1024				
First Level Reviewer: farrellr		Date:	16-Jul-2020 12:07:21		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.599	4.599	0.000	0	143885	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

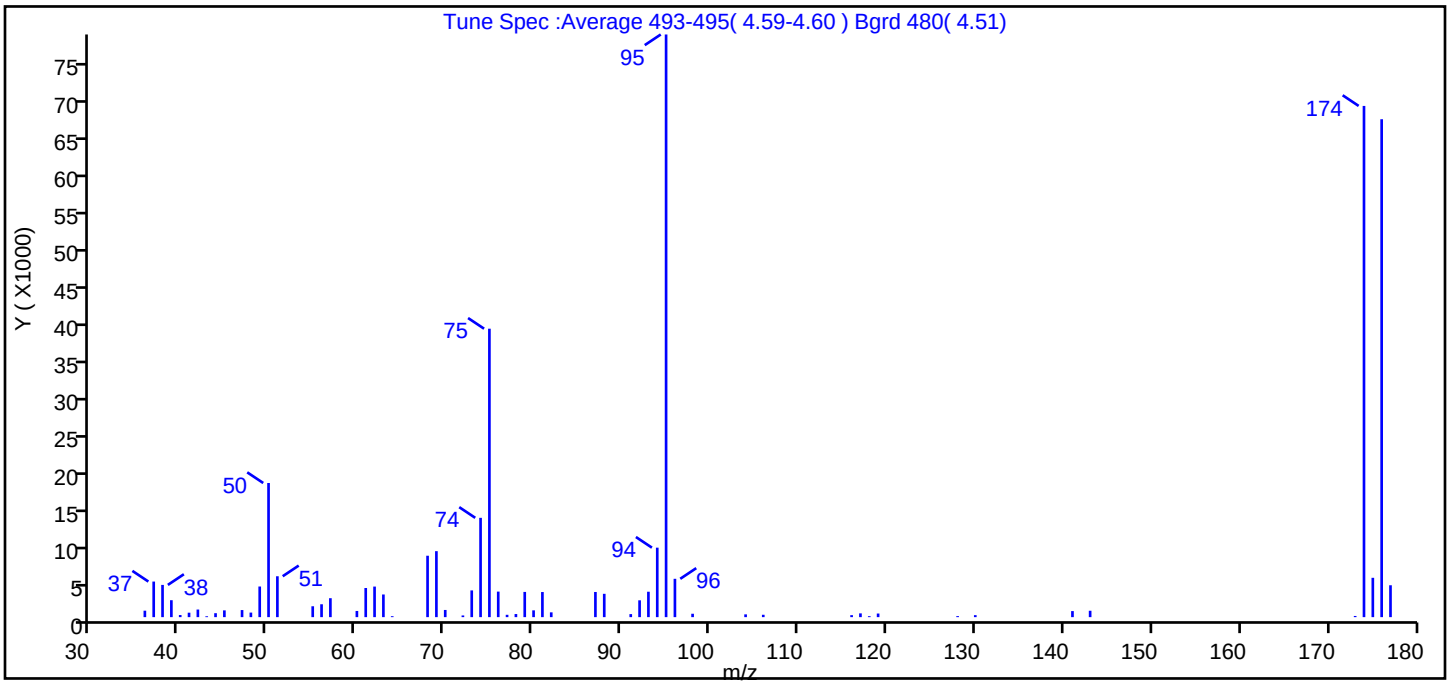
BFB_WRK_00105 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34097.D
Injection Date: 16-Jul-2020 13:55:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.0
75	30 to 60% of m/z 95	49.5
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.2 (0.2)
174	50 to 120% of m/z 95	87.7
175	5 to 9% of m/z 174	6.8 (7.7)
176	Greater than 95% but less than 101% of m/z 174	85.5 (97.4)
177	5 to 9% of m/z 176	5.5 (6.4)

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34097.D\D-8260.rslt\spectra.d
Injection Date: 16-Jul-2020 13:55:30
Spectrum: Tune Spec :Average 493-495(4.59-4.60) Bgrd 480(4.51)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	866	56.00	1728	78.00	416	116.00	267
37.00	4773	57.00	2541	79.00	3383	117.00	506
38.00	4324	60.00	828	80.00	912	118.00	127
39.00	2272	61.00	3908	81.00	3367	119.00	485
40.00	281	62.00	4100	82.00	644	128.00	138
41.00	597	63.00	3040	87.00	3375	130.00	266
42.00	1020	64.00	125	88.00	3129	141.00	812
43.00	118	68.00	8237	91.00	407	143.00	857
44.00	531	69.00	8850	92.00	2258	173.00	158
45.00	909	70.00	964	93.00	3409	174.00	68568
47.00	950	72.00	226	94.00	9319	175.00	5276
48.00	611	73.00	3587	95.00	78152	176.00	66784
49.00	4109	74.00	13321	96.00	5142	177.00	4277
50.00	17992	75.00	38688	98.00	456		
51.00	5485	76.00	3426	104.00	374		
55.00	1459	77.00	315	106.00	319		

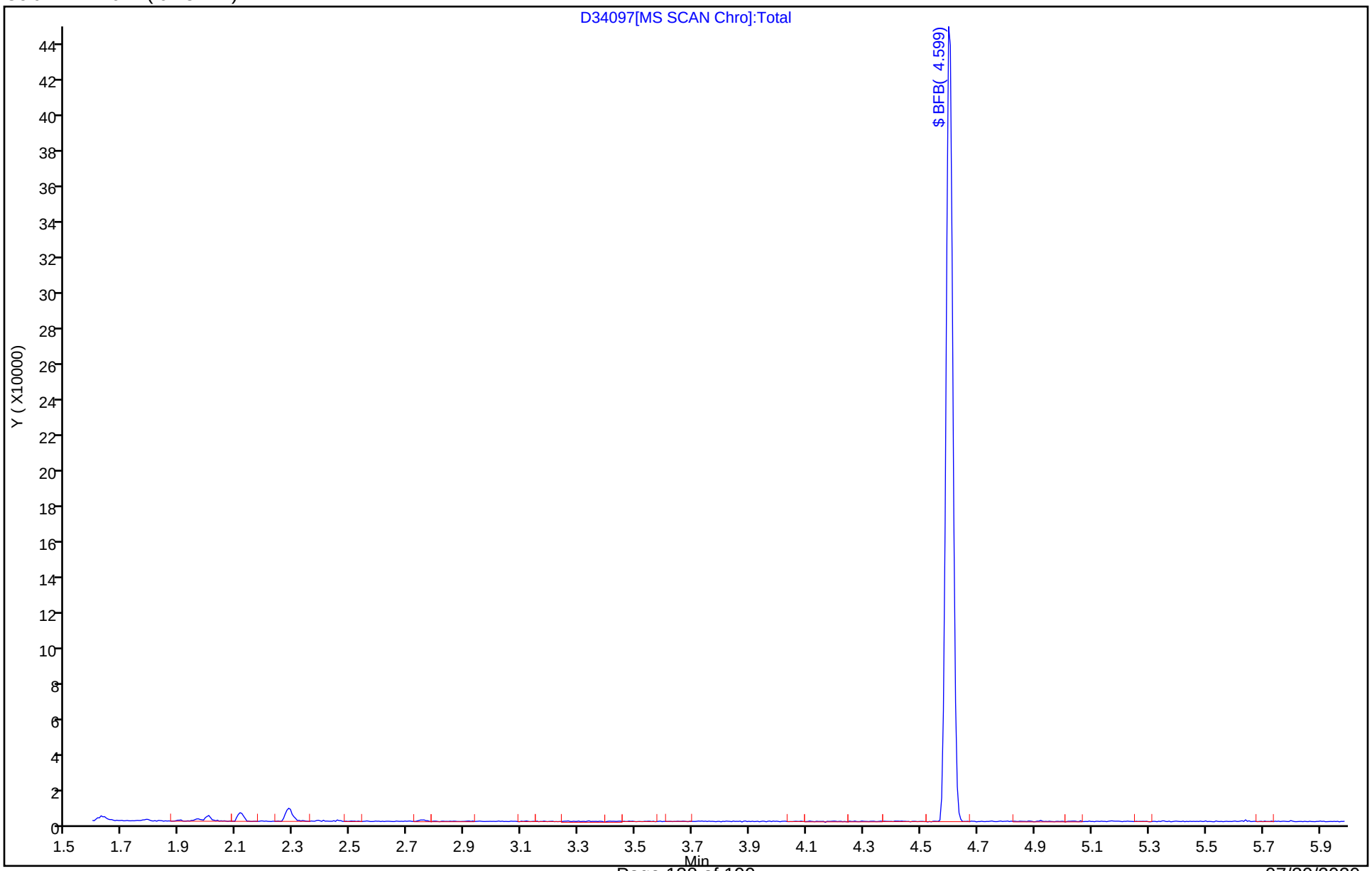
Report Date: 20-Jul-2020 22:55:25 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34097.D

Injection Date:	16-Jul-2020 13:55:30	Instrument ID:	HP5975D	Operator ID:	RF
Lims ID:	BFB			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34407.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 26-Jul-2020 17:27:30 ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0092328-002
Operator ID: CDC Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Jul-2020 18:18:11 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1035

First Level Reviewer: cwiklinc Date: 26-Jul-2020 18:18:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	4.580	4.580	0.000	0	133116	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

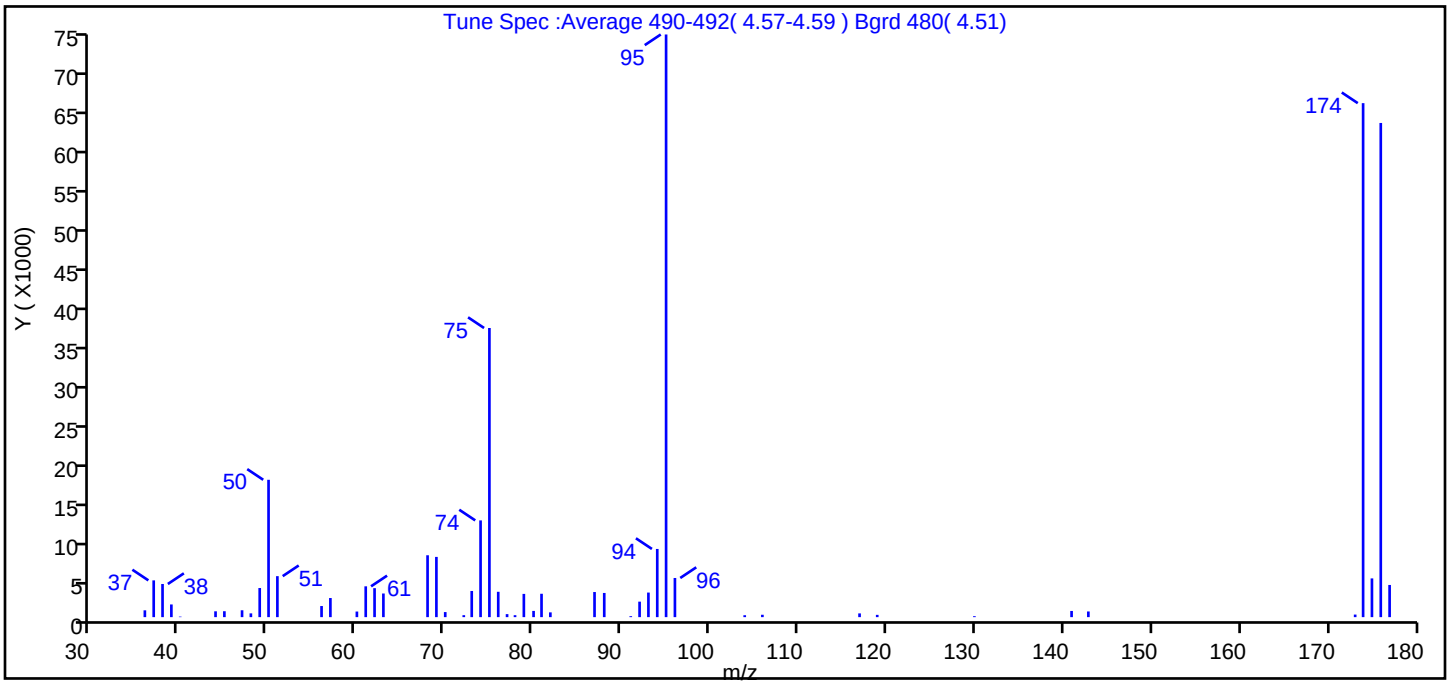
BFB_WRK_00107 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34407.D
Injection Date: 26-Jul-2020 17:27:30 Instrument ID: HP5975D
Lims ID: BFB
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.6
75	30 to 60% of m/z 95	49.6
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	88.2
175	5 to 9% of m/z 174	6.6 (7.5)
176	Greater than 95% but less than 101% of m/z 174	84.8 (96.1)
177	5 to 9% of m/z 176	5.5 (6.5)

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34407.D\D-8260.rslt\spectra.d
Injection Date: 26-Jul-2020 17:27:30
Spectrum: Tune Spec :Average 490-492(4.57-4.59) Bgrd 480(4.51)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	874	57.00	2447	77.00	386	96.00	5013
37.00	4707	60.00	718	78.00	250	104.00	246
38.00	4244	61.00	3946	79.00	2977	106.00	306
39.00	1625	62.00	3710	80.00	797	117.00	480
40.00	67	63.00	3027	81.00	2993	119.00	293
44.00	747	68.00	7923	82.00	612	130.00	120
45.00	758	69.00	7712	87.00	3216	141.00	793
47.00	881	70.00	649	88.00	3096	143.00	727
48.00	483	72.00	251	91.00	121	173.00	330
49.00	3728	73.00	3350	92.00	1984	174.00	65800
50.00	17584	74.00	12385	93.00	3147	175.00	4959
51.00	5248	75.00	37016	94.00	8730	176.00	63264
56.00	1423	76.00	3246	95.00	74592	177.00	4120

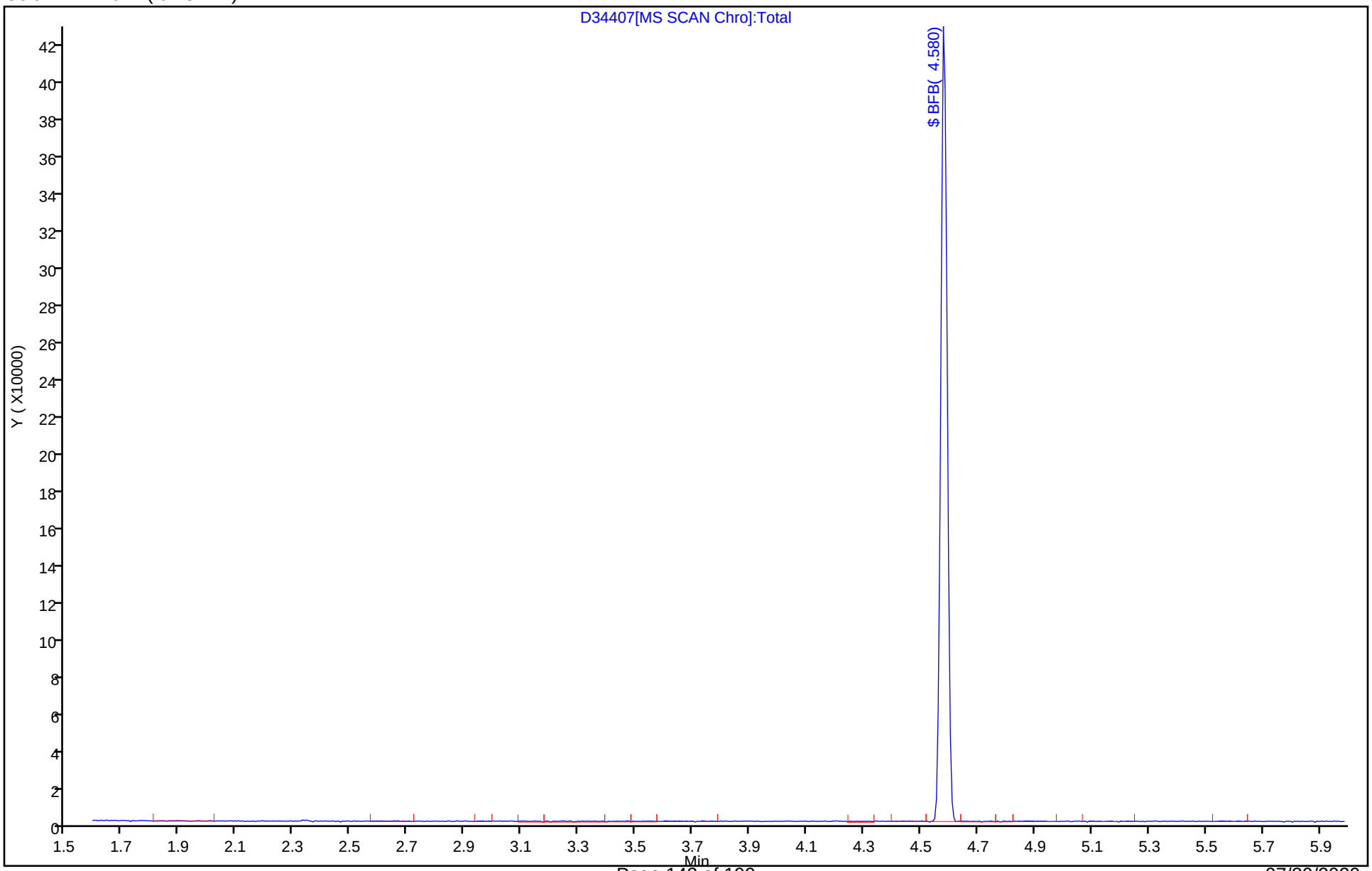
Report Date: 26-Jul-2020 18:18:11 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34407.D

Injection Date:	26-Jul-2020 17:27:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-542194/8

Matrix: Water Lab File ID: D34413.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2020 19:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 542194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-542194/8

Matrix: Water Lab File ID: D34413.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2020 19:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 542194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34413.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Jul-2020 19:50:30 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0092336-008
Operator ID: CDC Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Jul-2020 21:42:05 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1035

First Level Reviewer: cwiklinc Date: 26-Jul-2020 21:42:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.434	0.000	98	136348	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	87	288587	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	96	295303	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.952	4.946	0.006	92	202837	25.0	24.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.214	5.215	-0.001	99	120732	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	95	671415	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.781	8.775	0.006	93	233537	25.0	23.6	
10 Dichlorodifluoromethane	85		1.453					ND	
11 Chlorodifluoromethane	51		1.484					ND	
12 Chloromethane	50		1.660					ND	
13 Vinyl chloride	62		1.770					ND	
144 Butadiene	54		1.800					ND	
14 Bromomethane	94		2.148					ND	U
15 Chloroethane	64		2.233					ND	
17 Trichlorofluoromethane	101		2.477					ND	
16 Dichlorofluoromethane	67		2.483					ND	
18 Ethyl ether	59		2.739					ND	
141 Ethanol	45		2.770					ND	
19 Propene oxide	58		2.837					ND	
20 Acrolein	56		2.934					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.977					ND	
22 1,1-Dichloroethene	96		2.995					ND	
23 Acetone	43		3.087					ND	
25 Iodomethane	142		3.172					ND	
26 Carbon disulfide	76		3.203					ND	
24 Isopropyl alcohol	45		3.270					ND	
28 3-Chloro-1-propene	41		3.331					ND	
27 Methyl acetate	43		3.367					ND	
29 Acetonitrile	40		3.392					ND	
30 Methylene Chloride	84		3.507					ND	
31 2-Methyl-2-propanol	59		3.617					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.654					ND	
34 trans-1,2-Dichloroethene	96		3.678					ND	
33 Acrylonitrile	53		3.733					ND	
35 Hexane	57		3.849					ND	
36 Isopropyl ether	45		4.050					ND	
39 1,1-Dichloroethane	63		4.062					ND	
132 Halothane	117		4.081					ND	
37 Vinyl acetate	43		4.093					ND	
40 2-Chloro-1,3-butadiene	53		4.111					ND	
38 1,1-Dimethoxyethane	75		4.123					ND	
41 Tert-butyl ethyl ether	59		4.355					ND	
44 2,2-Dichloropropane	77		4.519					ND	
45 cis-1,2-Dichloroethene	96		4.550					ND	
43 2-Butanone (MEK)	43		4.568					ND	
42 Ethyl acetate	43		4.587					ND	U
46 Propionitrile	54		4.672					ND	
48 Chlorobromomethane	128		4.757					ND	
47 Methacrylonitrile	41		4.757					ND	
49 Tetrahydrofuran	42		4.769					ND	
50 Chloroform	83	4.812	4.812	0.000	85	1551		0.1093	
51 1,1,1-Trichloroethane	97		4.916					ND	
52 Cyclohexane	56		4.922					ND	
55 Carbon tetrachloride	117		5.032					ND	
54 1,1-Dichloropropene	75		5.038					ND	
53 Isobutyl alcohol	43		5.196					ND	
146 Isooctane	57		5.202					ND	
57 Benzene	78		5.214					ND	
140 t-Amyl alcohol	59		5.251					ND	
56 Tert-amyl methyl ether	73		5.257					ND	
58 1,2-Dichloroethane	62		5.269					ND	
59 n-Heptane	43		5.330					ND	
1 1,4-Difluorobenzene	114		5.513					ND	
154 2,4,4-Trimethyl-1-pentene	55		5.605					ND	
60 n-Butanol	56		5.702					ND	
62 Trichloroethene	95		5.714					ND	
153 2,4,4-Trimethyl-2-pentene	97		5.788					ND	
145 Ethyl acrylate	55		5.788					ND	
64 Methylcyclohexane	83		5.812					ND	
65 1,2-Dichloropropane	63		5.915					ND	
63 Methyl methacrylate	41		5.958					ND	
66 1,4-Dioxane	88		6.019					ND	
67 Dibromomethane	93		6.031					ND	
68 Dichlorobromomethane	83		6.141					ND	
70 2-Nitropropane	43		6.336					ND	
69 2-Chloroethyl vinyl ether	63		6.342					ND	
71 Epichlorohydrin	57		6.434					ND	
72 cis-1,3-Dichloropropene	75		6.470					ND	
73 4-Methyl-2-pentanone (MIBK)	43		6.568					ND	U
74 Toluene	92		6.702					ND	
76 2-Methylthiophene	97		6.812					ND	
77 trans-1,3-Dichloropropene	75		6.909					ND	
75 Ethyl methacrylate	69		6.915					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
78 3-Methylthiophene	97		6.940					ND	
79 1,1,2-Trichloroethane	83		7.068					ND	
81 Tetrachloroethene	166		7.123					ND	
82 1,3-Dichloropropane	76		7.196					ND	
80 2-Hexanone	43		7.220					ND	
155 n-Butyl acetate	43		7.281					ND	
83 Chlorodibromomethane	129		7.391					ND	
84 Ethylene Dibromide	107		7.482					ND	
139 1-Chlorohexane	55		7.763					ND	U
85 3-Chlorobenzotrifluoride	180		7.775					ND	
86 4-Chlorobenzotrifluoride	180		7.818					ND	
87 Chlorobenzene	112		7.842					ND	
88 Ethylbenzene	91		7.891					ND	
89 1,1,1,2-Tetrachloroethane	131		7.909					ND	
90 m-Xylene & p-Xylene	106		7.982					ND	
91 o-Xylene	106		8.317					ND	
92 Styrene	104		8.342					ND	
93 2-Chlorobenzotrifluoride	180		8.537					ND	
95 Bromoform	173		8.555					ND	
94 Isopropylbenzene	105		8.604					ND	
96 Cyclohexanone	55		8.769					ND	
101 Bromobenzene	156		8.915					ND	
97 1,1,2,2-Tetrachloroethane	83		8.921					ND	
99 N-Propylbenzene	91		8.945					ND	
98 trans-1,4-Dichloro-2-butene	53		8.958					ND	
100 1,2,3-Trichloropropane	110		8.964					ND	
103 2-Chlorotoluene	126		9.049					ND	
102 1,3,5-Trimethylbenzene	105		9.086					ND	
104 3-Chlorotoluene	126		9.104					ND	
105 4-Chlorotoluene	126		9.140					ND	
106 tert-Butylbenzene	134		9.360					ND	
107 1,2,4-Trimethylbenzene	105		9.409					ND	
108 Pentachloroethane	167		9.433					ND	
109 sec-Butylbenzene	105		9.543					ND	
114 Dicyclopentadiene	66		9.628					ND	
110 4-Isopropyltoluene	119		9.659					ND	
111 1,3-Dichlorobenzene	146		9.689					ND	
113 1,4-Dichlorobenzene	146		9.762					ND	
112 1,2,3-Trimethylbenzene	105		9.775					ND	
143 Benzyl chloride	91		9.891					ND	
115 n-Butylbenzene	91		10.006					ND	
116 1,2-Dichlorobenzene	146		10.092					ND	
117 1,2-Dibromo-3-Chloropropane	75		10.780					ND	
118 1,3,5-Trichlorobenzene	180		10.902					ND	
119 1,2,4-Trichlorobenzene	180		11.421					ND	
120 Hexachlorobutadiene	225		11.512					ND	
121 Naphthalene	128		11.634					ND	
122 1,2,3-Trichlorobenzene	180		11.823					ND	
142 2-Methylnaphthalene	142		12.555					ND	
149 Hexachloroethane	117		0.000					ND	
152 cis-1,4-Dichloro-2-butene	88		0.000					ND	
150 Nitrobenzene	77		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

D 8260 IS/SUR_00018 Amount Added: 1.00 Units: uL Run Reagent

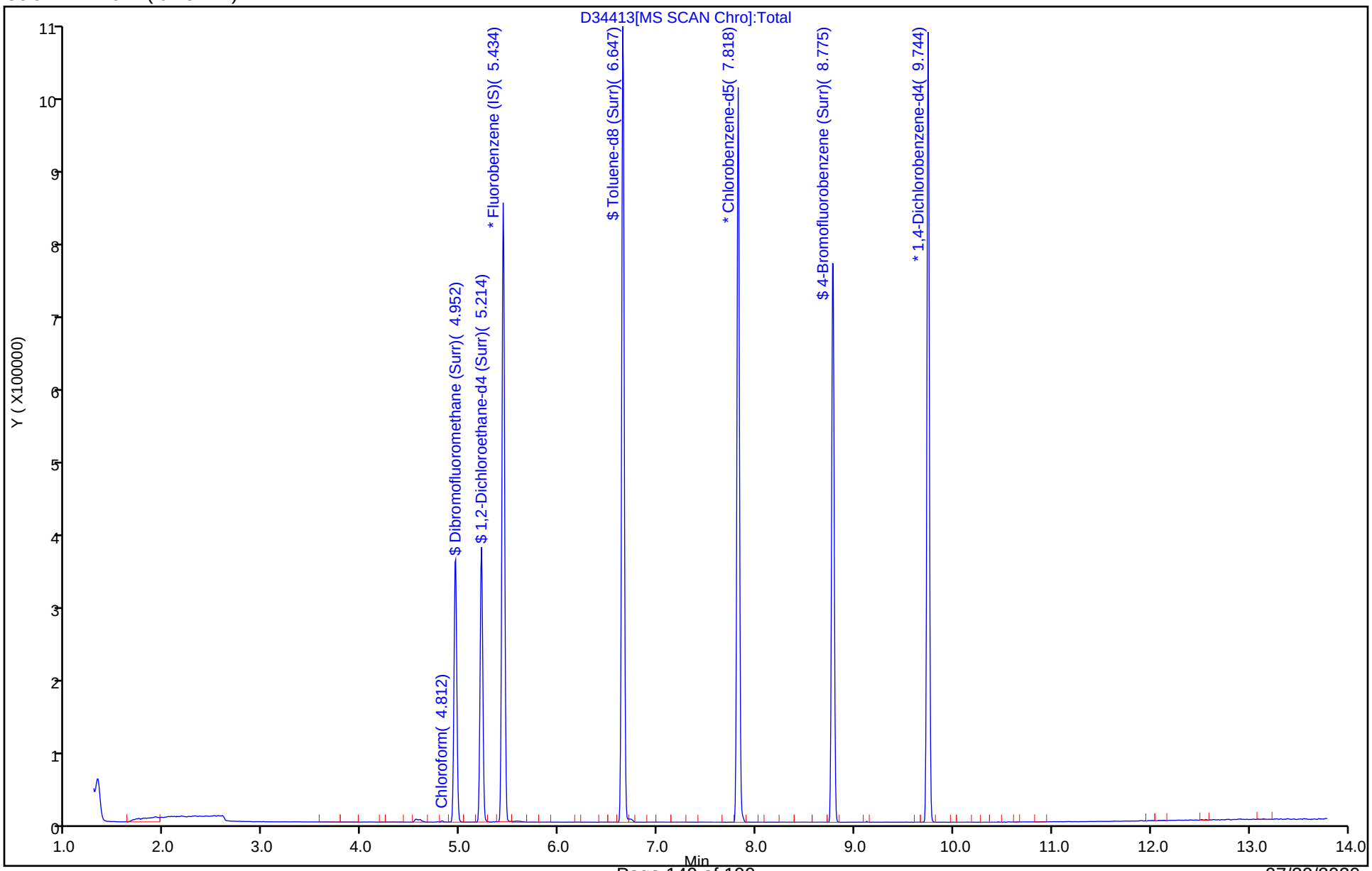
Report Date: 26-Jul-2020 21:42:20 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34413.D

Injection Date:	26-Jul-2020 19:50:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



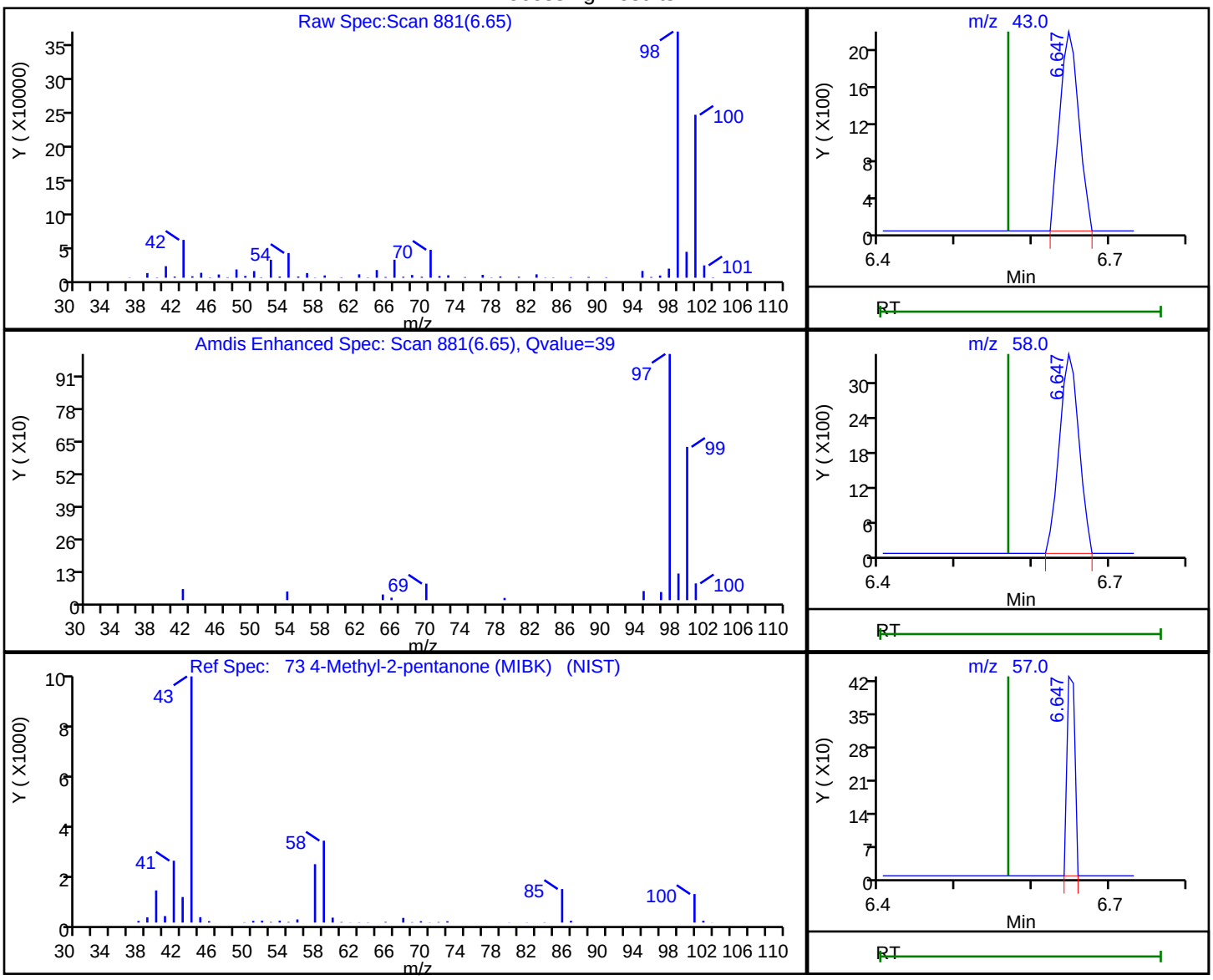
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34413.D				
Injection Date:	26-Jul-2020 19:50:30	Instrument ID:	HP5975D		
Lims ID:	MB				
Client ID:					
Operator ID:	CDC	ALS Bottle#:	6	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
6.65	43.00	3752	0.420032
6.65	58.00	6074	
6.65	57.00	303	

Reviewer: cwiklinc, 26-Jul-2020 21:41:51

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

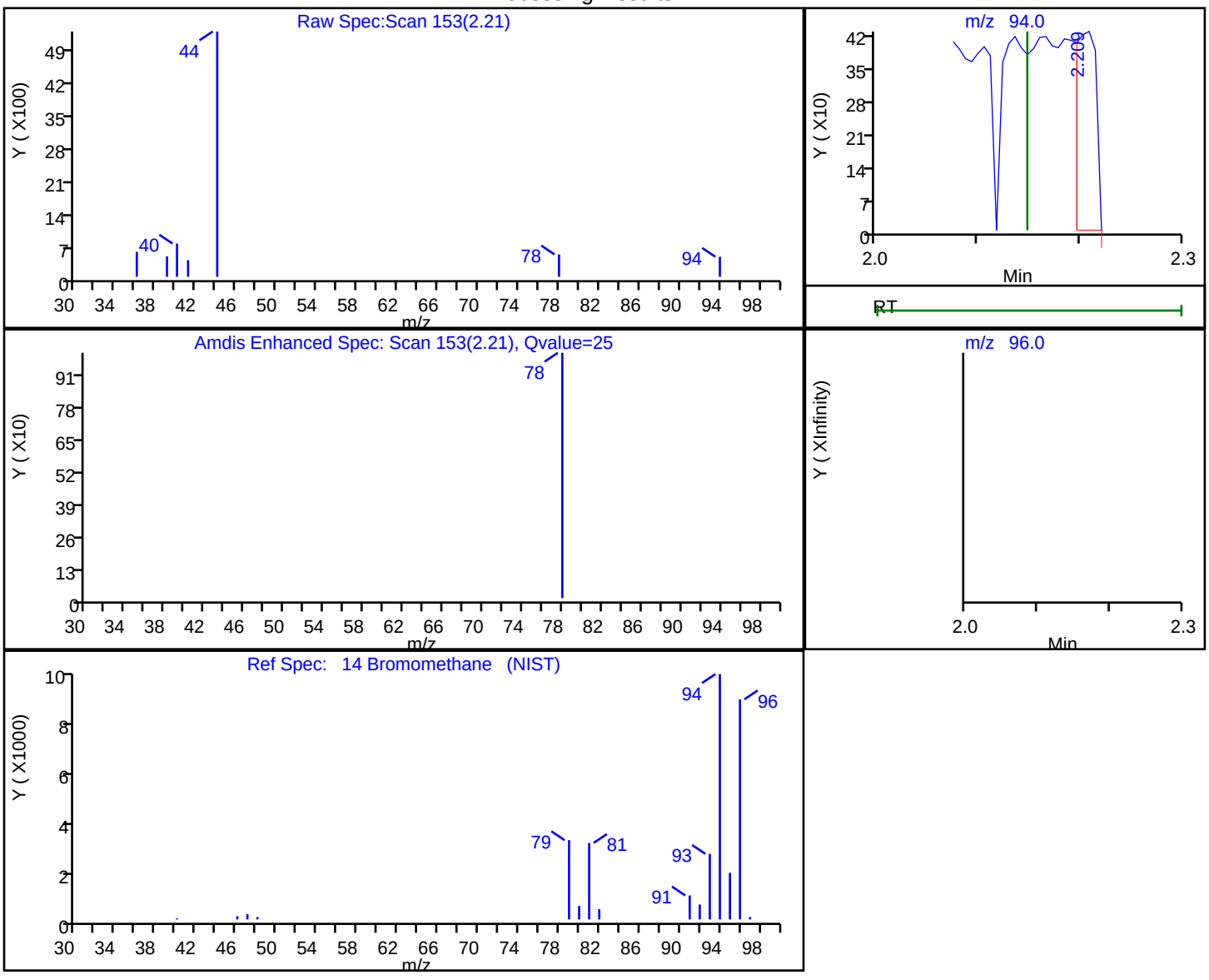
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34413.D
Injection Date: 26-Jul-2020 19:50:30 Instrument ID: HP5975D
Lims ID: MB
Client ID:
Operator ID: CDC ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.21	94.00	600	0.096015
2.15	96.00	0	

Reviewer: cwiklinc, 26-Jul-2020 21:41:37
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-542194/5

Matrix: Water Lab File ID: D34410.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2020 18:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 542194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.2		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	27.2		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28.2		1.0	0.31
79-00-5	1,1,2-Trichloroethane	26.9		1.0	0.23
75-34-3	1,1-Dichloroethane	27.4		1.0	0.38
75-35-4	1,1-Dichloroethene	27.7		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.0		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	27.5		1.0	0.39
106-93-4	1,2-Dibromoethane	27.0		1.0	0.73
95-50-1	1,2-Dichlorobenzene	26.2		1.0	0.79
107-06-2	1,2-Dichloroethane	25.5		1.0	0.21
78-87-5	1,2-Dichloropropane	27.3		1.0	0.72
541-73-1	1,3-Dichlorobenzene	26.5		1.0	0.78
106-46-7	1,4-Dichlorobenzene	26.1		1.0	0.84
78-93-3	2-Butanone (MEK)	140		10	1.3
591-78-6	2-Hexanone	141		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	138		5.0	2.1
67-64-1	Acetone	130		10	3.0
71-43-2	Benzene	26.7		1.0	0.41
75-27-4	Bromodichloromethane	27.1		1.0	0.39
75-25-2	Bromoform	27.7		1.0	0.26
74-83-9	Bromomethane	27.4		1.0	0.69
75-15-0	Carbon disulfide	28.5		1.0	0.19
56-23-5	Carbon tetrachloride	27.1		1.0	0.27
108-90-7	Chlorobenzene	26.8		1.0	0.75
75-00-3	Chloroethane	25.1		1.0	0.32
67-66-3	Chloroform	25.0		1.0	0.34
74-87-3	Chloromethane	27.0		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	27.3		1.0	0.36
110-82-7	Cyclohexane	29.1		1.0	0.18
124-48-1	Dibromochloromethane	28.2		1.0	0.32
75-71-8	Dichlorodifluoromethane	25.3		1.0	0.68
100-41-4	Ethylbenzene	27.3		1.0	0.74
98-82-8	Isopropylbenzene	28.2		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-542194/5

Matrix: Water Lab File ID: D34410.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2020 18:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 542194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	52.1		2.5	1.3
1634-04-4	Methyl tert-butyl ether	26.3		1.0	0.16
108-87-2	Methylcyclohexane	27.8		1.0	0.16
75-09-2	Methylene Chloride	25.4		1.0	0.44
100-42-5	Styrene	26.9		1.0	0.73
127-18-4	Tetrachloroethene	26.7		1.0	0.36
108-88-3	Toluene	27.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	27.2		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	27.8		1.0	0.37
79-01-6	Trichloroethene	27.4		1.0	0.46
75-69-4	Trichlorofluoromethane	25.9		1.0	0.88
75-01-4	Vinyl chloride	26.3		1.0	0.90
1330-20-7	Xylenes, Total	54.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34410.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Jul-2020 18:40:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0092336-005
Operator ID: CDC Instrument ID: HP5975D

Method: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Jul-2020 21:39:17 Calib Date: 16-Jul-2020 21:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5975D\20200716-92073.b\D34117.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1035

First Level Reviewer: cwiklinc Date: 26-Jul-2020 21:39:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.434	5.434	0.000	98	138475	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.818	7.818	0.000	87	296161	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.744	9.744	0.000	96	325705	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.946	4.946	0.000	93	209770	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.208	5.215	-0.007	99	122846	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	6.647	6.647	0.000	95	705149	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.775	8.775	0.000	93	254456	25.0	25.1	
10 Dichlorodifluoromethane	85	1.453	1.453	0.000	99	248807	25.0	25.3	
12 Chloromethane	50	1.667	1.660	0.006	99	300467	25.0	27.0	
13 Vinyl chloride	62	1.764	1.770	-0.006	98	277254	25.0	26.3	
144 Butadiene	54	1.801	1.800	0.001	95	253196	25.0	29.4	
14 Bromomethane	94	2.148	2.148	0.000	91	173793	25.0	27.4	
15 Chloroethane	64	2.240	2.233	0.007	97	145933	25.0	25.1	
17 Trichlorofluoromethane	101	2.477	2.477	0.000	98	330006	25.0	25.9	
16 Dichlorofluoromethane	67	2.483	2.483	0.000	97	369679	25.0	26.0	
18 Ethyl ether	59	2.739	2.739	0.000	98	163567	25.0	27.7	
20 Acrolein	56	2.935	2.934	0.001	99	73961	125.0	148.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.983	2.977	0.006	94	201764	25.0	28.2	
22 1,1-Dichloroethene	96	3.002	2.995	0.007	97	173297	25.0	27.7	
23 Acetone	43	3.087	3.087	0.000	98	343915	125.0	129.7	
25 Iodomethane	142	3.172	3.172	0.000	99	380132	25.0	26.0	
26 Carbon disulfide	76	3.203	3.203	0.000	100	584382	25.0	28.5	
28 3-Chloro-1-propene	41	3.331	3.331	0.000	86	341099	25.0	26.5	M
27 Methyl acetate	43	3.367	3.367	0.000	100	349937	50.0	52.1	
30 Methylene Chloride	84	3.514	3.507	0.007	98	200085	25.0	25.4	
31 2-Methyl-2-propanol	59	3.623	3.617	0.006	99	238705	250.0	284.8	
32 Methyl tert-butyl ether	73	3.660	3.654	0.006	98	534858	25.0	26.3	
34 trans-1,2-Dichloroethene	96	3.678	3.678	0.000	95	193951	25.0	27.2	
33 Acrylonitrile	53	3.733	3.733	0.000	97	819666	250.0	277.4	
35 Hexane	57	3.849	3.849	0.000	95	309947	25.0	28.8	
39 1,1-Dichloroethane	63	4.062	4.062	0.000	97	360839	25.0	27.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	4.099	4.093	0.006	97	1033173	50.0	57.3	
44 2,2-Dichloropropane	77	4.520	4.519	0.001	93	200644	25.0	29.4	
45 cis-1,2-Dichloroethene	96	4.550	4.550	0.000	85	208177	25.0	26.5	
43 2-Butanone (MEK)	43	4.574	4.568	0.006	98	590645	125.0	139.8	
48 Chlorobromomethane	128	4.757	4.757	0.000	98	119490	25.0	26.4	
49 Tetrahydrofuran	42	4.770	4.769	0.001	88	145779	50.0	51.4	
50 Chloroform	83	4.812	4.812	0.000	96	360188	25.0	25.0	
51 1,1,1-Trichloroethane	97	4.916	4.916	0.000	98	305634	25.0	27.2	
52 Cyclohexane	56	4.922	4.922	0.000	96	365419	25.0	29.1	
55 Carbon tetrachloride	117	5.032	5.032	0.000	96	286348	25.0	27.1	
54 1,1-Dichloropropene	75	5.038	5.038	0.000	93	278834	25.0	27.4	
53 Isobutyl alcohol	43	5.196	5.196	0.000	92	253224	625.0	719.6	
57 Benzene	78	5.215	5.214	0.001	96	721340	25.0	26.7	
58 1,2-Dichloroethane	62	5.269	5.269	0.000	97	309525	25.0	25.5	
59 n-Heptane	43	5.330	5.330	0.000	96	372833	25.0	29.9	
62 Trichloroethene	95	5.714	5.714	0.000	96	211000	25.0	27.4	
64 Methylcyclohexane	83	5.812	5.812	0.000	96	327544	25.0	27.8	
65 1,2-Dichloropropane	63	5.916	5.915	0.001	91	206819	25.0	27.3	
66 1,4-Dioxane	88	6.019	6.019	0.000	98	30611	500.0	555.1	
67 Dibromomethane	93	6.032	6.031	0.001	96	149772	25.0	26.5	
68 Dichlorobromomethane	83	6.141	6.141	0.000	97	271269	25.0	27.1	
69 2-Chloroethyl vinyl ether	63	6.342	6.342	0.000	94	130382	25.0	26.2	
72 cis-1,3-Dichloropropene	75	6.470	6.470	0.000	92	327578	25.0	27.3	
73 4-Methyl-2-pentanone (MIBK)	43	6.568	6.568	0.000	99	1263855	125.0	137.9	
74 Toluene	92	6.702	6.702	0.000	98	482452	25.0	27.3	
77 trans-1,3-Dichloropropene	75	6.909	6.909	0.000	98	317769	25.0	27.8	
75 Ethyl methacrylate	69	6.915	6.915	0.000	92	260137	25.0	27.4	
79 1,1,2-Trichloroethane	83	7.068	7.068	0.000	93	162943	25.0	26.9	
81 Tetrachloroethene	166	7.123	7.123	0.000	95	233442	25.0	26.7	
82 1,3-Dichloropropane	76	7.196	7.196	0.000	97	313128	25.0	26.9	
80 2-Hexanone	43	7.220	7.220	0.000	99	938275	125.0	140.7	
83 Chlorodibromomethane	129	7.391	7.391	0.000	90	234826	25.0	28.2	
84 Ethylene Dibromide	107	7.482	7.482	0.000	99	220230	25.0	27.0	
87 Chlorobenzene	112	7.842	7.842	0.000	95	567612	25.0	26.8	
88 Ethylbenzene	91	7.891	7.891	0.000	99	899316	25.0	27.3	
89 1,1,1,2-Tetrachloroethane	131	7.909	7.909	0.000	95	212804	25.0	28.3	
90 m-Xylene & p-Xylene	106	7.982	7.982	0.000	98	358611	25.0	27.4	
91 o-Xylene	106	8.318	8.317	0.001	97	346784	25.0	27.2	
92 Styrene	104	8.342	8.342	0.000	96	595183	25.0	26.9	
95 Bromoform	173	8.555	8.555	0.000	96	166908	25.0	27.7	
94 Isopropylbenzene	105	8.604	8.604	0.000	96	922400	25.0	28.2	
101 Bromobenzene	156	8.915	8.915	0.000	91	267572	25.0	26.7	
97 1,1,2,2-Tetrachloroethane	83	8.921	8.921	0.000	96	284328	25.0	27.2	
99 N-Propylbenzene	91	8.946	8.945	0.001	98	1124179	25.0	28.5	
98 trans-1,4-Dichloro-2-butene	53	8.958	8.958	0.000	75	86258	25.0	27.2	
100 1,2,3-Trichloropropane	110	8.964	8.964	0.000	88	78128	25.0	27.7	
103 2-Chlorotoluene	126	9.049	9.049	0.000	97	241408	25.0	28.1	
102 1,3,5-Trimethylbenzene	105	9.086	9.086	0.000	94	784467	25.0	27.8	
105 4-Chlorotoluene	126	9.141	9.140	0.001	97	250084	25.0	27.3	
106 tert-Butylbenzene	134	9.360	9.360	0.000	94	161715	25.0	28.6	
107 1,2,4-Trimethylbenzene	105	9.409	9.409	0.000	98	797909	25.0	27.6	
109 sec-Butylbenzene	105	9.543	9.543	0.000	95	1036968	25.0	28.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	9.659	9.659	0.000	97	883401	25.0	28.3	
111 1,3-Dichlorobenzene	146	9.689	9.689	0.000	99	490404	25.0	26.5	
113 1,4-Dichlorobenzene	146	9.762	9.762	0.000	96	498627	25.0	26.1	
115 n-Butylbenzene	91	10.006	10.006	0.000	98	820735	25.0	28.6	
116 1,2-Dichlorobenzene	146	10.092	10.092	0.000	97	478067	25.0	26.2	
117 1,2-Dibromo-3-Chloropropane	75	10.781	10.780	0.001	84	51238	25.0	27.5	
119 1,2,4-Trichlorobenzene	180	11.421	11.421	0.001	94	357326	25.0	26.0	
120 Hexachlorobutadiene	225	11.512	11.512	0.000	97	177340	25.0	25.6	
121 Naphthalene	128	11.634	11.634	0.000	97	835275	25.0	25.6	
122 1,2,3-Trichlorobenzene	180	11.823	11.823	0.000	95	333655	25.0	25.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00190	Amount Added: 12.50	Units: uL	
GAS CORP mix_00408	Amount Added: 12.50	Units: uL	
D 8260 IS/SUR_00018	Amount Added: 1.00	Units: uL	Run Reagent

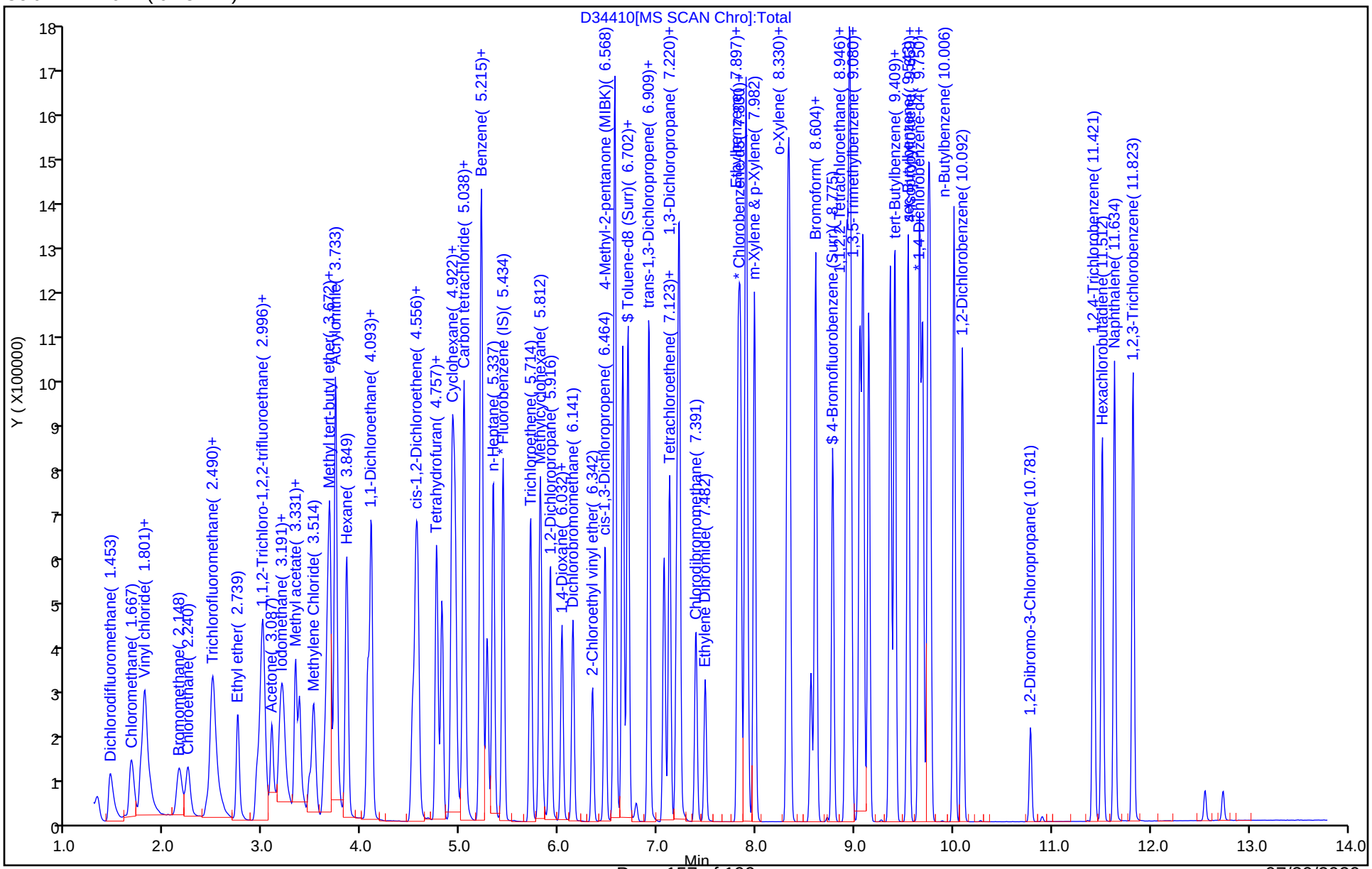
Report Date: 26-Jul-2020 21:39:38 Chrom Revision: 2.3 30-Jun-2020 12:05:54

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5975D\20200726-92336.b\D34410.D

Injection Date:	26-Jul-2020 18:40:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Instrument ID: HP5975D Start Date: 07/16/2020 13:55

Analysis Batch Number: 540684 End Date: 07/16/2020 23:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-540684/5		07/16/2020 13:55	1	D34097.D	ZB-624 (20) 0.18(mm)
IC 480-540684/7		07/16/2020 14:45	1	D34099.D	ZB-624 (20) 0.18(mm)
IC 480-540684/8		07/16/2020 15:09	1	D34100.D	ZB-624 (20) 0.18(mm)
IC 480-540684/9		07/16/2020 15:32	1	D34101.D	ZB-624 (20) 0.18(mm)
IC 480-540684/10		07/16/2020 15:55	1	D34102.D	ZB-624 (20) 0.18(mm)
IC 480-540684/11		07/16/2020 16:18	1	D34103.D	ZB-624 (20) 0.18(mm)
ICIS 480-540684/12		07/16/2020 16:41	1	D34104.D	ZB-624 (20) 0.18(mm)
IC 480-540684/13		07/16/2020 17:05	1	D34105.D	ZB-624 (20) 0.18(mm)
IC 480-540684/14		07/16/2020 17:28	1	D34106.D	ZB-624 (20) 0.18(mm)
MDLV 480-540684/16		07/16/2020 18:15	1		ZB-624 (20) 0.18(mm)
IC 480-540684/19		07/16/2020 19:24	1		ZB-624 (20) 0.18(mm)
IC 480-540684/20		07/16/2020 19:47	1		ZB-624 (20) 0.18(mm)
IC 480-540684/21		07/16/2020 20:09	1		ZB-624 (20) 0.18(mm)
IC 480-540684/22		07/16/2020 20:32	1		ZB-624 (20) 0.18(mm)
IC 480-540684/23		07/16/2020 20:55	1		ZB-624 (20) 0.18(mm)
IC 480-540684/24		07/16/2020 21:18	1		ZB-624 (20) 0.18(mm)
IC 480-540684/25		07/16/2020 21:41	1		ZB-624 (20) 0.18(mm)
ICV 480-540684/28		07/16/2020 22:50	1	D34120.D	ZB-624 (20) 0.18(mm)
ICV 480-540684/29		07/16/2020 23:13	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Instrument ID: HP5975D Start Date: 07/26/2020 17:27

Analysis Batch Number: 542194 End Date: 07/27/2020 04:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-542194/2		07/26/2020 17:27	1	D34407.D	ZB-624 (20) 0.18(mm)
CCVIS 480-542194/3		07/26/2020 17:53	1	D34408.D	ZB-624 (20) 0.18(mm)
CCV 480-542194/4		07/26/2020 18:17	1		ZB-624 (20) 0.18(mm)
LCS 480-542194/5		07/26/2020 18:40	1	D34410.D	ZB-624 (20) 0.18(mm)
RL 480-542194/6		07/26/2020 19:03	1		ZB-624 (20) 0.18(mm)
MB 480-542194/8		07/26/2020 19:50	1	D34413.D	ZB-624 (20) 0.18(mm)
ZZZZZ		07/26/2020 21:17	1		ZB-624 (20) 0.18(mm)
ZZZZZ		07/26/2020 21:40	4		ZB-624 (20) 0.18(mm)
ZZZZZ		07/26/2020 22:03	1		ZB-624 (20) 0.18(mm)
ZZZZZ		07/26/2020 22:26	1		ZB-624 (20) 0.18(mm)
ZZZZZ		07/26/2020 22:49	1		ZB-624 (20) 0.18(mm)
ZZZZZ		07/26/2020 23:12	1		ZB-624 (20) 0.18(mm)
ZZZZZ		07/26/2020 23:34	1		ZB-624 (20) 0.18(mm)
ZZZZZ		07/26/2020 23:57	1		ZB-624 (20) 0.18(mm)
ZZZZZ		07/27/2020 00:21	1		ZB-624 (20) 0.18(mm)
ZZZZZ		07/27/2020 00:44	1		ZB-624 (20) 0.18(mm)
ZZZZZ		07/27/2020 01:07	1		ZB-624 (20) 0.18(mm)
ZZZZZ		07/27/2020 01:30	1		ZB-624 (20) 0.18(mm)
ZZZZZ		07/27/2020 01:53	1		ZB-624 (20) 0.18(mm)
ZZZZZ		07/27/2020 02:16	1		ZB-624 (20) 0.18(mm)
ZZZZZ		07/27/2020 02:39	1		ZB-624 (20) 0.18(mm)
480-172684-1		07/27/2020 03:02	1	D34429.D	ZB-624 (20) 0.18(mm)
480-172684-2		07/27/2020 03:25	1	D34430.D	ZB-624 (20) 0.18(mm)
480-172684-3		07/27/2020 03:48	1	D34431.D	ZB-624 (20) 0.18(mm)
ZZZZZ		07/27/2020 04:11	4		ZB-624 (20) 0.18(mm)
ZZZZZ		07/27/2020 04:35	4		ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Batch Number: 540684 Batch Start Date: 07/16/20 13:55 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00186	BFB_WRK 00105	D 8260 IS/SUR 00018	GAS CORP mix 00407
BFB 480-540684/5		8260C		1 uL	1 uL		1 uL		
IC 480-540684/7		8260C		5 mL	5 mL	0.4 uL		1 uL	0.4 uL
IC 480-540684/8		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-540684/9		8260C		5 mL	5 mL	2 uL		1 uL	2 uL
IC 480-540684/10		8260C		5 mL	5 mL	5 uL		1 uL	5 uL
IC 480-540684/11		8260C		5 mL	5 mL	5 uL		1 uL	5 uL
ICIS 480-540684/12		8260C		5 mL	5 mL	12.5 uL		1 uL	12.5 uL
IC 480-540684/13		8260C		5 mL	5 mL	25 uL		1 uL	25 uL
IC 480-540684/14		8260C		5 mL	5 mL	50 uL		1 uL	50 uL
ICV 480-540684/28		8260C		5 mL	5 mL			1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	SS 8260 CORP 00085	SS GAS CORP 00359				
BFB 480-540684/5		8260C							
IC 480-540684/7		8260C							
IC 480-540684/8		8260C							
IC 480-540684/9		8260C							
IC 480-540684/10		8260C							
IC 480-540684/11		8260C							
ICIS 480-540684/12		8260C							
IC 480-540684/13		8260C							
IC 480-540684/14		8260C							
ICV 480-540684/28		8260C		12.5 uL	12.5 uL				

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 VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Batch Number: 540684 Batch Start Date: 07/16/20 13:55 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

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 VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Batch Number: 542194 Batch Start Date: 07/26/20 17:27 Batch Analyst: Izquierdo, Olivia M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00190	BFB_WRK 00107	D 8260 IS/SUR 00018
BFB 480-542194/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-542194/3		8260C		5 mL	5 mL		12.5 uL		1 uL
LCS 480-542194/5		8260C		5 mL	5 mL		12.5 uL		1 uL
MB 480-542194/8		8260C		5 mL	5 mL				1 uL
480-172684-E-1	EFFLUENT	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-172684-E-2	INFLUENT	8260C	T	5 mL	5 mL	<2 SU			1 uL
480-172684-A-3	Trip Blank	8260C	T	5 mL	5 mL	<2 SU			1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00408					
BFB 480-542194/2		8260C							
CCVIS 480-542194/3		8260C		12.5 uL					
LCS 480-542194/5		8260C		12.5 uL					
MB 480-542194/8		8260C							
480-172684-E-1	EFFLUENT	8260C	T						
480-172684-E-2	INFLUENT	8260C	T						
480-172684-A-3	Trip Blank	8260C	T						

Batch Notes	

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.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-172684-1

SDG No.:

Project: Scott Figgie West of Plant 2

Client Sample ID	Lab Sample ID
EFFLUENT	480-172684-1
INFLUENT	480-172684-2

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: EFFLUENT
Lab Sample ID: 480-172684-1
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-172684-1
SDG ID.:
Matrix: Water
Date Sampled: 07/21/2020 06:00
Reporting Basis: WET
Date Received: 07/21/2020 14:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Petroleum Hydrocarbons (1664A)	ND	4.9	1.9	mg/L			1	1664B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: EFFLUENT
Lab Sample ID: 480-172684-1
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-172684-1
SDG ID.:
Matrix: Water
Date Sampled: 07/21/2020 06:00
Reporting Basis: WET
Date Received: 07/21/2020 14:30

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Total Suspended Solids	7.6	4.0		mg/L			1	SM 2540D
	pH	8.5	0.1		SU		HF	1	SM 4500 H+ B
	Temperature	17.1	0.001		Degrees C		HF	1	SM 4500 H+ B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: INFLUENT
Lab Sample ID: 480-172684-2
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-172684-1
SDG ID.:
Matrix: Water
Date Sampled: 07/21/2020 06:00
Reporting Basis: WET
Date Received: 07/21/2020 14:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Petroleum Hydrocarbons (1664A)	ND	5.0	1.9	mg/L			1	1664B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: INFLUENT
Lab Sample ID: 480-172684-2
Lab Name: Eurofins TestAmerica, Buffalo
Job No.: 480-172684-1
SDG ID.:
Matrix: Water
Date Sampled: 07/21/2020 06:00
Reporting Basis: WET
Date Received: 07/21/2020 14:30

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Total Suspended Solids	12.8	4.0		mg/L			1	SM 2540D
	pH	8.3	0.1		SU		HF	1	SM 4500 H+ B
	Temperature	16.2	0.001		Degrees C		HF	1	SM 4500 H+ B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Analyst: BEF Batch Start Date: 07/23/2020

Reporting Units: Degrees C Analytical Batch No.: 541952

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
12	CCV	15:57	Temperature	21.8					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Analyst: BEF Batch Start Date: 07/23/2020

Reporting Units: SU Analytical Batch No.: 541952

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
12	CCV	15:57	pH	7.0	7.00	101	99-101		7.0 BufferICV 00276

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 542105	Date: 07/24/2020 17:28	Prep Batch: 542091	Date: 07/24/2020 16:34				
1664B	MB 480-542091/1-A	Total Petroleum Hydrocarbons (1664A)	ND		mg/L	5.0	1
Batch ID: 541677	Date: 07/22/2020 20:02						
SM 2540D	MB 480-541677/1	Total Suspended Solids	ND		mg/L	1.0	1

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 541677 Date: 07/22/2020 20:02								
SM 2540D	EFFLUENT	480-172684-1	Total Suspended Solids	7.6	mg/L			
SM 2540D	EFFLUENT	480-172684-1 DU	Total Suspended Solids	8.40	mg/L	10	10	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 542105	Date: 07/24/2020 17:28		Prep Batch: 542091		Date: 07/24/2020 16:34						
					LCS Source: restek og lcs_00085						
1664B	LCS 480-542091/2-A	Total Petroleum Hydrocarbons (1664A)	13.50		mg/L	20.0	68	64-132			
Batch ID: 541677	Date: 07/22/2020 20:02										
					LCS Source: WC_TSS_DTErth_00012						
SM 2540D	LCS 480-541677/2	Total Suspended Solids	243.6		mg/L	250	97	88-110			
Batch ID: 541952	Date: 07/23/2020 15:42										
					LCS Source: 7.0 BufferICV_00276						
SM 4500 H+ B	LCS 480-541952/1	pH	7.0		SU	7.00	101	99-101			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-172684-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: 1664B MDL Date: 01/07/2010 00:00

Prep Method: 1664B

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Petroleum Hydrocarbons (1664A)		5	1.94

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-172684-1

SDG Number:

Matrix: Water Instrument ID: NOEQUIP

Method: 1664B XMDL Date: 01/07/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Petroleum Hydrocarbons (1664A)		5	1.94

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-172684-1

SDG Number:

Matrix: Water Instrument ID: Balance-1

Method: SM 2540D RL Date: 09/14/2009 17:05

Analyte	Wavelength/ Mass	RL (mg/L)	
Total Suspended Solids		4	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-172684-1

SDG Number:

Matrix: Water Instrument ID: Balance-1

Method: SM 2540D XMDL Date: 12/07/2016 15:18

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Suspended Solids		4	1

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-172684-1

SDG Number:

Matrix: Water Instrument ID: Titrator Robot

Method: SM 4500 H+ B RL Date: 03/06/2017 13:04

Analyte	Wavelength/ Mass	RL (Degrees C)	
Temperature		0.001	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-172684-1

SDG Number:

Matrix: Water Instrument ID: Titrator Robot

Method: SM 4500 H+ B XRL Date: 03/06/2017 13:04

Analyte	Wavelength/ Mass	XRL (Degrees C)	
Temperature		0.001	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-172684-1

SDG Number:

Matrix: Water Instrument ID: Titrator Robot

Method: SM 4500 H+ B RL Date: 03/06/2017 13:04

Analyte	Wavelength/ Mass	RL (SU)	
pH		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-172684-1

SDG Number:

Matrix: Water Instrument ID: Titrator Robot

Method: SM 4500 H+ B XRL Date: 03/06/2017 13:04

Analyte	Wavelength/ Mass	XRL (SU)	
pH		0.1	

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Prep Method: 1664B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-542091/1-A	07/24/2020 16:34	542091		1000	1000
LCS 480-542091/2-A	07/24/2020 16:34	542091		1000	1000
480-172684-1	07/24/2020 16:34	542091		1025	1000
480-172684-2	07/24/2020 16:34	542091		1005	1000

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Instrument ID: NOEQUIP Method: 1664B

Start Date: 07/24/2020 17:28 End Date: 07/24/2020 17:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				SGTHEM																			
MB 480-542091/1-A	1	T	17:28	X																			
LCS 480-542091/2-A	1	T	17:28	X																			
ZZZZZZ			17:28																				
ZZZZZZ			17:28																				
ZZZZZZ			17:28																				
ZZZZZZ			17:28																				
480-172684-1	1	T	17:28	X																			
480-172684-2	1	T	17:28	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Instrument ID: Balance-1 Method: SM 2540D

Start Date: 07/22/2020 20:02 End Date: 07/22/2020 20:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				TSS																			
MB 480-541677/1	1	T	20:02	X																			
LCS 480-541677/2	1	T	20:02	X																			
ZZZZZZ			20:02																				
ZZZZZZ			20:02																				
ZZZZZZ			20:02																				
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ZZZZZZ			20:02																				
ZZZZZZ			20:02																				
480-172684-2	1	T	20:02	X																			
ZZZZZZ			20:02																				
480-172684-1	1	T	20:02	X																			
480-172684-1 DU	1	T	20:02	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Instrument ID: Titrator Robot Method: SM 4500 H+ B

Start Date: 07/23/2020 15:42 End Date: 07/23/2020 15:57

Lab Sample ID	D / F	Type	Time	Analytes																			
				pH	Temp																		
LCS 480-541952/1	1	T	15:42	X	X																		
ZZZZZZ			15:43																				
480-172684-2	1	T	15:44	X	X																		
ZZZZZZ			15:46																				
ZZZZZZ			15:47																				
ZZZZZZ			15:48																				
480-172684-1	1	T	15:49	X	X																		
ZZZZZZ			15:51																				
ZZZZZZ			15:52																				
ZZZZZZ			15:53																				
ZZZZZZ			15:56																				
CCV 480-541952/12	1		15:57	X	X																		

Prep Types

T = Total/NA

Historical Data Summary Report

For Batch 542105

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-172684-A-1-A	EFFLUENT	1664B	Total Petroleum Hydrocarbons (1664A)	Total/NA	mg/L	8	1.0	ND	☐	0 - 5.035	☐	0 - 3.96
480-172684-B-2-A	INFLUENT	1664B	Total Petroleum Hydrocarbons (1664A)	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-172727-A-1-A	145	1664B	Oil & Grease	Total/NA	mg/L	4	1.0	ND	☐	0 - 5.736	☐	0 - 3.96

Historical Data Summary Report

For Batch 541677

541677

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-172615-B-1	Gas Condensate	2540D	Total Suspended Solids	Total/NA	mg/L	2	1.0	ND	☐	0 - 34.4	☑	6.88 - 10.32 OK DP
480-172650-B-1	WWE Eff.Comp.	2540D	Total Suspended Solids	Total/NA	mg/L	8	1.0	33	☐	0 - 68.952	☐	0 - 51.6
480-172674-D-1	Storm 002	2540D	Total Suspended Solids	Total/NA	mg/L	8	1.0	5.2	☐	0 - 19.11	☐	3.2 - 17.28
480-172674-D-2	Storm 003	2540D	Total Suspended Solids	Total/NA	mg/L	8	1.0	16.8	☐	0.072 - 20.628	☐	5.44 - 21.12
480-172674-E-3	Storm 004	2540D	Total Suspended Solids	Total/NA	mg/L	8	1.0	<4.0	☐	0 - 8.196	☐	0 - 4.8
480-172675-B-3	01A - COMPOSITE	2540D	Total Suspended Solids	Total/NA	mg/L	8	1.0	<4.0	☑	4 - 4	☑	3.2 - 4.8 OK
480-172675-C-1	001 - COMPOSITE	2540D	Total Suspended Solids	Total/NA	mg/L	8	1.0	<4.0	☑	0.505 - 9.195	☑	3.2 - 10.08 OK
480-172684-C-1	EFFLUENT	2540D	Total Suspended Solids	Total/NA	mg/L	8	1.0	7.6	☐	0 - 31.247	☐	0 - 31.68
480-172684-C-2	INFLUENT	2540D	Total Suspended Solids	Total/NA	mg/L	8	1.0	12.8	☐	0 - 19.538	☐	0 - 14.88
480-172723-B-1	INFLUENT	2540D	Total Suspended Solids	Total/NA	mg/L	8	1.0	12.0	☐	0 - 321.741	☐	6.4 - 273.6
480-172723-B-2	EFFLUENT	2540D	Total Suspended Solids	Total/NA	mg/L	8	1.0	21.2	☐	0 - 30.105	☐	0 - 27.84
480-172724-A-1	Effluent	2540D	Total Suspended Solids	Total/NA	mg/L	8	1.0	4.8	☐	0 - 37.275	☐	4.16 - 39.84
480-172724-A-2	Influent	2540D	Total Suspended Solids	Total/NA	mg/L	8	1.0	ND	☐	0 - 50.026	☐	0 - 47.52
480-172727-C-1	145	2540D	Total Suspended Solids	Total/NA	mg/L	4	1.0	ND	☐	0 - 6.196	☐	0 - 4.8

General Chemistry Worksheet 541677

Batch Number: 480-541677
Method: SM 2540D
Analyst: Torres, Evan 1

Date Open: Jul 22 2020 8:02PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	CrucibleID	Tare Weight	Initial weight/volume of sample	Third Weighing	WC_TSS_DTErth_00012
MB~480-541677/1		2540D		mb	2.6477 g	1000 mL	0 g	
LCS~480-541677/2		2540D		lcs	2.6537 g	250 mL	0 g	0.0625 g
480-172650-B-1	WWE Eff.Comp.	2540D	T	3	2.6315 g	250 mL	0 g	
480-172650-B-1~DU		2540D	T	4	2.6590 g	250 mL	0 g	
480-172659-A-3	CELL 3 BYPASS	2540D	T	5	2.6606 g	250 mL	0 g	
480-172659-A-4	CELL 2 EFFLUENT	2540D	T	6	2.6667 g	250 mL	0 g	
480-172674-D-1	Storm 002	2540D	T	7	2.6780 g	250 mL	0 g	
480-172674-D-2	Storm 003	2540D	T	8	2.6757 g	250 mL	0 g	
480-172674-E-3	Storm 004	2540D	T	9	2.6666 g	250 mL	0 g	
480-172675-C-1	001 - COMPOSITE	2540D	T	10	2.6647 g	250 mL	0 g	
480-172675-B-3	01A - COMPOSITE	2540D	T	11	2.6825 g	250 mL	0 g	
480-172724-A-1	Effluent	2540D	T	12	2.6515 g	250 mL	0 g	
480-172724-A-2	Influent	2540D	T	13	2.6375 g	250 mL	0 g	
480-172723-B-1	INFLUENT	2540D	T	14	2.6781 g	250 mL	0 g	
480-172723-B-2	EFFLUENT	2540D	T	15	2.6823 g	250 mL	0 g	
480-172727-C-1	145	2540D	T	16	2.6636 g	250 mL	0 g	
480-172678-A-1	CELL A-19	2540D	T	17	2.6786 g	250 mL	0 g	
480-172615-B-1	Gas Condensate	2540D	T	18	2.6895 g	250 mL	0 g	
480-172684-C-2	INFLUENT	2540D	T	19	2.6545 g	250 mL	0 g	
480-172693-B-1	S05D			20	2.6857 g	250 mL	0 g	
480-172684-C-1	EFFLUENT	2540D	T	21	2.6714 g	250 mL	0 g	
480-172684-C-1~DU		2540D	T	22	2.6455 g	250 mL	0 g	

Perform Calculation (0=No, 1=Yes): 1
Nominal Amount Used: 1000 mL
Balance ID: 3
Oven ID: 105-

Historical Data Summary Report

For Batch 541952

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-172684-D-1	EFFLUENT	SM4500_H+	pH	Total/NA	SU	8	1.0	8.5	☐	7.413 - 8.912	☐	6.16 - 10.2
480-172684-D-1	EFFLUENT	SM4500_H+	Temperature	Total/NA	Degrees C	8	1.0	17.1	☐	14.755 - 24.545	☐	13.12 - 26.04
480-172684-D-2	INFLUENT	SM4500_H+	pH	Total/NA	SU	8	1.0	8.3	☐	6.451 - 9.249	☐	5.84 - 10.32
480-172684-D-2	INFLUENT	SM4500_H+	Temperature	Total/NA	Degrees C	8	1.0	16.2	☐	11.563 - 26.112	☐	10.72 - 26.04
480-172724-C-1	Effluent	SM4500_H+	pH	Total/NA	SU	8	1.0	8.1	☐	7.809 - 8.366	☐	6.32 - 9.84
480-172724-C-1	Effluent	SM4500_H+	Temperature	Total/NA	Degrees C	8	1.0	16.9	☐	14.093 - 22.732	☐	12.8 - 23.88
480-172724-C-2	Influent	SM4500_H+	pH	Total/NA	SU	8	1.0	7.1	☐	6.809 - 7.891	☐	5.68 - 9.12
480-172724-C-2	Influent	SM4500_H+	Temperature	Total/NA	Degrees C	8	1.0	17.3	☐	13.95 - 23.05	☐	12.48 - 24.24
480-172728-J-1	MS EFFLUENT	SM4500_H+	pH	Total/NA	SU	8	1.0	7.3	☐	5.548 - 9.502	☐	5.44 - 10.56
480-172728-J-1	MS EFFLUENT	SM4500_H+	Temperature	Total/NA	Degrees C	8	1.0	17.0	☐	14.155 - 23.445	☐	13.44 - 26.4
480-172762-P-1	Leachate	9040C	pH	Total/NA	SU	5	1.0	7.34	☐	6.735 - 7.973	☐	5.6 - 9.048
480-172762-P-1	Leachate	9040C	Temperature	Total/NA	Degrees C	3	1.0	19.1	☐	12.574 - 27.426	☐	16 - 24
480-172772-F-1	Sump	SM4500_H+	pH	Total/NA	SU	3	1.0	7.4	☐	7.055 - 7.545	☐	5.84 - 8.76
480-172772-F-1	Sump	SM4500_H+	Temperature	Total/NA	Degrees C	3	1.0	20.5	☐	16.015 - 23.052	☐	15.627 - 23.44
480-172772-F-2	Storage Tank	SM4500_H+	pH	Total/NA	SU	3	1.0	7.7	☐	7.193 - 7.941	☐	6.053 - 9.08
480-172772-F-2	Storage Tank	SM4500_H+	Temperature	Total/NA	Degrees C	3	1.0	20.3	☐	15.864 - 23.003	☐	15.547 - 23.32

SKALAR

541 952

Skalar pH/Conductivity/Alk

Unique id	Date time	Slope/CC	Unit	Value	Value Unit	Temperature	Temperature Unit	Probe	StandardName	Asymmetry	Zeropoint	ZeropointmV
118	07/09/2020 07:36:08	0.375	1/cm	0.2	µS/cm	22.4	C	Probe2	EC SOL 1	N/A		
119	2020-07-23 21:34:48	98.5		6.912		23.3		TitratorProbe1	pH BUF 1		6.912	
120	2020-07-23 21:34:48	98.5		6.912		23.3		TitratorProbe1	pH BUF 2		6.912	
121	2020-07-23 21:34:48	98.5		6.912		23.3		TitratorProbe1	pH BUF 3		6.912	

pH 4 buffer: 6021231
pH 7 buffer: 6021229
pH 10 buffer: 6021234
pH 7 check: 6021232

MeasuredValue	Temp	Identity	DateTime	ErrorFlag	ProbeName
7.03	23.4	pH QC 2_titratorAcid	7/23/2020 3:31 PM	False	pH Meter Alk
1,416.00	22.4	EC QC 4	7/23/2020 3:32 PM	True	Probe2
1,400.00	22.5	EC QC 4	7/23/2020 3:33 PM	True	Probe2
7.02	23.2	pH QC 2_titratorAcid	7/23/2020 3:55 PM	False	pH Meter Alk
7.03	23.2	pH QC 2_titratorAcid	7/23/2020 3:58 PM	False	pH Meter Alk

Sequence	Identity	Type	pH	pH °C	EC µS/cm at 25°C	EC °C	End time measurement pH	TALK (mg CaCO3/l)	Bicarbonate HCO3	Carbonate HCO3	End time measurement EC
1	LCS	Sample	7.037	22.5			7/23/2020 3:42 PM	0.00			
2	480-172728-j-1	Sample	7.343	17			7/23/2020 3:43 PM	0.00			
3	480-172684-d-2	Sample	8.25	16.2			7/23/2020 3:44 PM	0.00			
4	480-172724-c-1	Sample	8.139	16.9			7/23/2020 3:46 PM	0.00			
5	480-172724-c-2	Sample	7.12	17.3			7/23/2020 3:47 PM	0.00			
6	480-172762-p-1	Sample	7.338	19.1			7/23/2020 3:48 PM	0.00			
7	480-172684-d-1	Sample	8.454	17.1			7/23/2020 3:49 PM	0.00			
8	480-172770-f-1	Sample	7.168	20.7			7/23/2020 3:51 PM	0.00			
9	480-172770-f-1 DU	Sample	7.158	21.5			7/23/2020 3:52 PM	0.00			
10	480-172772-f-1	Sample	7.377	20.5			7/23/2020 3:53 PM	0.00			
11	480-172772-f-2	Sample	7.685	20.3			7/23/2020 3:56 PM	0.00			
12	CCV	Sample	7.035	21.8			7/23/2020 3:57 PM	0.00			

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Batch Number: 542091 Batch Start Date: 07/24/20 16:34 Batch Analyst: Segura, Tomas 1

Batch Method: 1664B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	GrossWeight	TareWeight	DensityAcc	InitialAmount
MB 480-542091/1		1664B, 1664B		5 SU	2 SU	1440 g	440 g	1	1000 mL
LCS 480-542091/2		1664B, 1664B		5 SU	2 SU	1436 g	436 g	1	1000 mL
480-172684-A-1	EFFLUENT	1664B, 1664B	T	2 SU	2 SU	1535 g	510 g	1	1025 mL
480-172684-B-2	INFLUENT	1664B, 1664B	T	2 SU	2 SU	1515 g	510 g	1	1005 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	restek og lcs 00085				
MB 480-542091/1		1664B, 1664B		1000 mL					
LCS 480-542091/2		1664B, 1664B		1000 mL	5 mL				
480-172684-A-1	EFFLUENT	1664B, 1664B	T	1000 mL					
480-172684-B-2	INFLUENT	1664B, 1664B	T	1000 mL					

Batch Notes	
Balance ID	11/13
Analyst ID - HEM Extraction	ts
Nominal Amount Used	1000 mL
Weight Set ID	100076665

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Batch Number: 542105 Batch Start Date: 07/24/20 17:28 Batch Analyst: Segura, Tomas 1

Batch Method: 1664B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	ReceiverTube	HEMWgt1	HEMWgt2	Residue	Residue2
MB 480-542091/1-A		1664B		1000 mL	6.0320 g	6.0322 g	6.0323 g	0.0002 g	0.0003 g
LCS 480-542091/2-A		1664B		1000 mL	6.0155 g	6.0468 g	6.0469 g	0.0313 g	0.0314 g
480-172684-A-1-A	EFFLUENT	1664B	T	1000 mL	6.0329 g	6.0335 g	6.0333 g	0.0006 g	0.0004 g
480-172684-B-2-A	INFLUENT	1664B	T	1000 mL	6.0029 g	6.0039 g	6.0038 g	0.001 g	0.0009 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight2OK	MinSilicaGel	SgtRecomendedSplit	SGTRECTUBE#	SGTRecTube	SGTWgt1
MB 480-542091/1-A		1664B		Pass 0.0005g	3 g	Not Required	1s	6.0021 g	6.0022 g
LCS 480-542091/2-A		1664B		Pass 0.0005g	3 g	Not Required	2s	6.0154 g	6.0286 g
480-172684-A-1-A	EFFLUENT	1664B	T	Pass 0.0005g	3 g	Not Required	7s	6.0264 g	6.0268 g
480-172684-B-2-A	INFLUENT	1664B	T	Pass 0.0005g	3 g	Not Required	8s	6.0272 g	6.0280 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	SGTWgt2	SGTResidue1	SGTResidue2	SGTWeightOne%Diff	CalcMsg	Silica Gel 00014
MB 480-542091/1-A		1664B		6.0024 g	0.0001 g	0.0003 g	Pass 0.0005g %	OK	3.0002 mL
LCS 480-542091/2-A		1664B		6.0289 g	0.0132 g	0.0135 g	Pass 0.0005g %	OK	3.0125 mL
480-172684-A-1-A	EFFLUENT	1664B	T	6.0269 g	0.0004 g	0.0005 g	Pass 0.0005g %	OK	3.0024 mL
480-172684-B-2-A	INFLUENT	1664B	T	6.0281 g	0.0008 g	0.0009 g	Pass 0.0005g %	OK	3.0054 mL

Batch Notes	
Balance ID	11/13
Desiccator In Time - 1st Weight	21:49
Desiccator Out Time - 1st Weight	22:49
Perform Calculation (0=No, 1=Yes)	1
Weight Set ID	100076665

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Batch Number: 542105 Batch Start Date: 07/24/20 17:28 Batch Analyst: Segura, Tomas 1

Batch Method: 1664B Batch End Date:

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Batch Number: 541677 Batch Start Date: 07/22/20 20:02 Batch Analyst: Torres, Evan 1

Batch Method: SM 2540D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CrucibleID	TareWeight	InitialAmount	Weight1	Weight2	Weight3
MB 480-541677/1		SM 2540D		mb	2.6477 g	1000 mL	2.6478 g	2.6478 g	0 g
LCS 480-541677/2		SM 2540D		lcs	2.6537 g	250 mL	2.7145 g	2.7146 g	0 g
480-172684-C-2	INFLUENT	SM 2540D	T	19	2.6545 g	250 mL	2.6576 g	2.6577 g	0 g
480-172684-C-1	EFFLUENT	SM 2540D	T	21	2.6714 g	250 mL	2.6734 g	2.6733 g	0 g
480-172684-C-1 DU	EFFLUENT	SM 2540D	T	22	2.6455 g	250 mL	2.6475 g	2.6476 g	0 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WeightOne%Diff	Residue	Residue2	FinalAmount	ResDishWt	DishWeight
MB 480-541677/1		SM 2540D		PASS <0.5mg	0.0001 g	0.0001 g	250 mL	2.6478 g	2.6477 g
LCS 480-541677/2		SM 2540D		PASS <0.5mg	0.0608 g	0.0609 g	250 mL	2.7146 g	2.6537 g
480-172684-C-2	INFLUENT	SM 2540D	T	PASS <0.5mg	0.0031 g	0.0032 g	250 mL	2.6577 g	2.6545 g
480-172684-C-1	EFFLUENT	SM 2540D	T	PASS <0.5mg	0.002 g	0.0019 g	250 mL	2.6733 g	2.6714 g
480-172684-C-1 DU	EFFLUENT	SM 2540D	T	PASS <0.5mg	0.002 g	0.0021 g	250 mL	2.6476 g	2.6455 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WC_TSS_DTErth 00012					
MB 480-541677/1		SM 2540D							
LCS 480-541677/2		SM 2540D		0.0625 g					
480-172684-C-2	INFLUENT	SM 2540D	T						
480-172684-C-1	EFFLUENT	SM 2540D	T						
480-172684-C-1 DU	EFFLUENT	SM 2540D	T						

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Batch Number: 541677 Batch Start Date: 07/22/20 20:02 Batch Analyst: Torres, Evan 1

Batch Method: SM 2540D Batch End Date:

Batch Notes	
Balance ID	3
Date/Time - In - CW (WT2)	07/23/2020 13:25
Date/Time - Out - CW (WT2)	07/23/2020 15:45
Temperature - Start - CW (WT2) - Correct	107 Celsius
Temperature - End - CW (WT2) - Correct	109 Celsius
Temperature - Start-CW(WT2) -Uncorrected	107 Celsius
Temperature - End-CW(WT2) -Uncorrected	109 Celsius
Temperature - Start - Corrected	107 Celsius
Temperature - End - Corrected	108 Celsius
Date/Time - In	07/22/2020 20:40
Date/Time - Out	07/23/2020 12:58
Nominal Amount Used	250 mL
Oven ID	105-5
Perform Calculation (0=No, 1=Yes)	1
Temperature - Start - Uncorrected	107 Celsius
Temperature - End - Uncorrected	108 Celsius

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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-172684-1

SDG No.:

Batch Number: 541952 Batch Start Date: 07/23/20 15:42 Batch Analyst: Fallon, Brianna E

Batch Method: SM 4500 H+ B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	7.0 BufferICV 00276				
LCS 480-541952/1		SM 4500 H+ B		25 mL	25 mL				
480-172684-D-2	INFLUENT	SM 4500 H+ B	T	25 mL					
480-172684-D-1	EFFLUENT	SM 4500 H+ B	T	25 mL					
CCV 480-541952/12		SM 4500 H+ B		25 mL	25 mL				

Batch Notes	

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.

Shipping and Receiving Documents

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Dino Zack	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-147793-1955.1
Client Contact: Mr. Dino Zack	Phone: 716 866 8222	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 1
Company: AECOM				Job #:

Address: 257 West Genesee Street Suite 400	Due Date Requested: Per PO
City: Buffalo	TAT Requested (days): STD
State, Zip: NY, 14202-2657	
Phone:	PO #: Purchase Order not requir
Email: dino.zack@aecom.com	WO #:
Project Name: Scott Figgie - Inf/Eff Event Desc: Influent/Effluent analysis	Project #: 48002539
Site: New York	SSOW#:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

480-172684 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1664A_Calc - Total Petroleum Hydrocarbons (1664A)	2540D - Total Suspended Solids	SM4500_H+ - pH	8260C - TCL list OLM04.2	Total Number of c	Special Instructions/Note:
			Preservation Code:				S	N	N	A		
EFFLUENT	7/21/20	0600	C	Water			X	X	X	X		
INFLUENT	7/21/20	0600	C	Water			X	X	X	X		
Trip Blank	7/21/20	0600	G	Water						X		

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	7/21/20 1430hrs	AECOM	[signature]	07/21/20 1430	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.8 #1 ICE

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-172684-1

Login Number: 172684
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins TestAmerica, Buffalo

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