TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
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TestAmerica Job ID: 240-109195-1
Client Project/Site: Ford LTP Livonia MI - E203631

For:
ARCADIS U.S., Inc.
28550 Cabot Drive
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Novi, Michigan 48377

Attn: Kristoffer Hinskey

Authorized for release by:
3/22/2019 10:35:09 AM

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
F2	MS/MSD RPD exceeds control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Job ID: 240-109195-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ford LTP Livonia MI - E203631

Report Number: 240-109195-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to 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.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 3/11/2019 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples MW-81_030619 (240-109195-1), MW-81S_030619 (240-109195-2), MW-82D_030619 (240-109195-3), MW-80SR_030619 (240-109195-4), MW-101S_030619 (240-109195-5), MW-98S_030619 (240-109195-6), MW-97S_030619 (240-109195-7) and TRIP BLANK (240-109195-8) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 03/19/2019 and 03/20/2019.

Vinyl chloride was detected in method blank MB 240-372185/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Vinyl chloride was detected in method blank MB 240-372408/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Toluene-d8 (Surr) failed the surrogate recovery criteria high for MW-82D_030619 (240-109195-3). Refer to the QC report for details.

Vinyl chloride failed the recovery criteria high for LCS 240-372185/4, LCS 240-372408/4 and MRL 240-372185/5. Refer to the QC report for details.

Job ID: 240-109195-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

The continuing calibration verification (CCV) associated with batch 372185 recovered above the upper control limit for one or multiple. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-81_030619 (240-109195-1), MW-81S_030619 (240-109195-2), MW-82D_030619 (240-109195-3), MW-101S_030619 (240-109195-5), MW-97S_030619 (240-109195-7) and TRIP BLANK (240-109195-8).

The laboratory control sample (LCS) for 372185 recovered outside control limits for one or multiple analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported: MW-81_030619 (240-109195-1), MW-81S_030619 (240-109195-2), MW-82D_030619 (240-109195-3), MW-101S_030619 (240-109195-5), MW-97S_030619 (240-109195-7), TRIP BLANK (240-109195-8) and (LCS 240-372185/4).

Surrogate recovery for the following sample was outside the upper control limit: MW-82D_030619 (240-109195-3). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The continuing calibration verification (CCV) associated with batch 372408 recovered above the upper control limit for one or multiple analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: MW-98S_030619 (240-109195-6).

The laboratory control sample (LCS) for 372408 recovered outside control limits for one or multiple analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported: MW-98S_030619 (240-109195-6) and (LCS 240-372408/4).

No MS/MSD due to a re-analysis needed: MW-98S_030619 (240-109195-6).

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

VOLATILE ORGANIC COMPOUNDS (GCMS SIM)

Samples MW-81_030619 (240-109195-1), MW-81S_030619 (240-109195-2), MW-82D_030619 (240-109195-3), MW-80SR_030619 (240-109195-4), MW-101S_030619 (240-109195-5), MW-98S_030619 (240-109195-6) and MW-97S_030619 (240-109195-7) were analyzed for volatile organic compounds (GCMS SIM) in accordance with EPA SW-846 Method 8260B SIM. The samples were analyzed on 03/13/2019.

1,4-Dioxane exceeded the RPD limit for the MSD of sample MW-97S_030619MSD (240-109195-7) in batch 240-371373. Refer to the QC report for details.

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

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8260B SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
5030B	Purge and Trap	SW846	TAL CAN

Protocol References:

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-109195-1	MW-81_030619	Water	03/06/19 14:26	03/11/19 08:50
240-109195-2	MW-81S_030619	Water	03/06/19 13:03	03/11/19 08:50
240-109195-3	MW-82D_030619	Water	03/06/19 10:30	03/11/19 08:50
240-109195-4	MW-80SR_030619	Water	03/06/19 16:15	03/11/19 08:50
240-109195-5	MW-101S_030619	Water	03/06/19 14:10	03/11/19 08:50
240-109195-6	MW-98S_030619	Water	03/06/19 12:40	03/11/19 08:50
240-109195-7	MW-97S_030619	Water	03/06/19 10:05	03/11/19 08:50
240-109195-8	TRIP BLANK	Water	03/06/19 00:00	03/11/19 08:50

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Client Sample ID: MW-81_030619 — Lab Sample ID: 240-109195-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.69	J B *	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: MW-81S_030619 — Lab Sample ID: 240-109195-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.66	J B *	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: MW-82D_030619 — Lab Sample ID: 240-109195-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.78	J B *	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: MW-80SR_030619 — Lab Sample ID: 240-109195-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.18	J	1.0	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	2.1		1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: MW-101S_030619 — Lab Sample ID: 240-109195-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.58	J B *	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: MW-98S_030619 — Lab Sample ID: 240-109195-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.43	J B *	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: MW-97S_030619 — Lab Sample ID: 240-109195-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.42	J B *	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 240-109195-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.57	J B *	1.0	0.20	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Client Sample ID: MW-81_030619
Date Collected: 03/06/19 14:26
Date Received: 03/11/19 08:50

Lab Sample ID: 240-109195-1
Matrix: Water

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			03/13/19 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 125*		*03/13/19 14:37*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 11:42	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			03/19/19 11:42	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/19/19 11:42	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 11:42	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/19/19 11:42	1
Vinyl chloride	**0.69**	**J B ***	1.0	0.20	ug/L			03/19/19 11:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 121*		*03/19/19 11:42*	*1*
4-Bromofluorobenzene (Surr)	*117*		*59 - 120*		*03/19/19 11:42*	*1*
Toluene-d8 (Surr)	*122*		*70 - 123*		*03/19/19 11:42*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 128*		*03/19/19 11:42*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Client Sample ID: MW-81S_030619
Date Collected: 03/06/19 13:03
Date Received: 03/11/19 08:50

Lab Sample ID: 240-109195-2
Matrix: Water

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			03/13/19 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 125*		*03/13/19 15:02*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 12:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			03/19/19 12:04	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/19/19 12:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 12:04	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/19/19 12:04	1
Vinyl chloride	**0.66**	**J B ***	1.0	0.20	ug/L			03/19/19 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 121*		*03/19/19 12:04*	*1*
4-Bromofluorobenzene (Surr)	*115*		*59 - 120*		*03/19/19 12:04*	*1*
Toluene-d8 (Surr)	*115*		*70 - 123*		*03/19/19 12:04*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 128*		*03/19/19 12:04*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Client Sample ID: MW-82D_030619
Date Collected: 03/06/19 10:30
Date Received: 03/11/19 08:50

Lab Sample ID: 240-109195-3
Matrix: Water

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			03/13/19 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 125*		*03/13/19 15:28*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 12:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			03/19/19 12:26	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/19/19 12:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 12:26	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/19/19 12:26	1
Vinyl chloride	**0.78**	**J B ***	1.0	0.20	ug/L			03/19/19 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 121*		*03/19/19 12:26*	*1*
4-Bromofluorobenzene (Surr)	*118*		*59 - 120*		*03/19/19 12:26*	*1*
Toluene-d8 (Surr)	*126*	*X*	*70 - 123*		*03/19/19 12:26*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 128*		*03/19/19 12:26*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Client Sample ID: MW-80SR_030619
Date Collected: 03/06/19 16:15
Date Received: 03/11/19 08:50

Lab Sample ID: 240-109195-4
Matrix: Water

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			03/13/19 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 125*		*03/13/19 15:54*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/20/19 13:45	1
cis-1,2-Dichloroethene	**0.18**	**J**	1.0	0.16	ug/L			03/20/19 13:45	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/20/19 13:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/20/19 13:45	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/20/19 13:45	1
Vinyl chloride	**2.1**		1.0	0.20	ug/L			03/20/19 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 121*		*03/20/19 13:45*	*1*
4-Bromofluorobenzene (Surr)	*72*		*59 - 120*		*03/20/19 13:45*	*1*
Toluene-d8 (Surr)	*81*		*70 - 123*		*03/20/19 13:45*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 128*		*03/20/19 13:45*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Client Sample ID: MW-101S_030619
Date Collected: 03/06/19 14:10
Date Received: 03/11/19 08:50

Lab Sample ID: 240-109195-5
Matrix: Water

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			03/13/19 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*63 - 125*		*03/13/19 16:20*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 13:11	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			03/19/19 13:11	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/19/19 13:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 13:11	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/19/19 13:11	1
Vinyl chloride	**0.58**	**J B ***	1.0	0.20	ug/L			03/19/19 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 121*		*03/19/19 13:11*	*1*
4-Bromofluorobenzene (Surr)	*90*		*59 - 120*		*03/19/19 13:11*	*1*
Toluene-d8 (Surr)	*109*		*70 - 123*		*03/19/19 13:11*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 128*		*03/19/19 13:11*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Client Sample ID: MW-98S_030619
Date Collected: 03/06/19 12:40
Date Received: 03/11/19 08:50

Lab Sample ID: 240-109195-6
Matrix: Water

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			03/13/19 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*63 - 125*		*03/13/19 16:45*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/20/19 11:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			03/20/19 11:05	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/20/19 11:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/20/19 11:05	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/20/19 11:05	1
Vinyl chloride	**0.43**	**J B ***	1.0	0.20	ug/L			03/20/19 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*70 - 121*		*03/20/19 11:05*	*1*
4-Bromofluorobenzene (Surr)	*97*		*59 - 120*		*03/20/19 11:05*	*1*
Toluene-d8 (Surr)	*117*		*70 - 123*		*03/20/19 11:05*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 128*		*03/20/19 11:05*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Client Sample ID: MW-97S_030619
Date Collected: 03/06/19 10:05
Date Received: 03/11/19 08:50

Lab Sample ID: 240-109195-7
Matrix: Water

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U F2	2.0	0.86	ug/L			03/13/19 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*63 - 125*		*03/13/19 17:11*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 13:55	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			03/19/19 13:55	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/19/19 13:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 13:55	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/19/19 13:55	1
Vinyl chloride	**0.42**	**J B ***	1.0	0.20	ug/L			03/19/19 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 121*		*03/19/19 13:55*	*1*
4-Bromofluorobenzene (Surr)	*99*		*59 - 120*		*03/19/19 13:55*	*1*
Toluene-d8 (Surr)	*113*		*70 - 123*		*03/19/19 13:55*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 128*		*03/19/19 13:55*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Client Sample ID: TRIP BLANK
Date Collected: 03/06/19 00:00
Date Received: 03/11/19 08:50

Lab Sample ID: 240-109195-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 15:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			03/19/19 15:02	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/19/19 15:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 15:02	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/19/19 15:02	1
Vinyl chloride	**0.57**	**J B ***	1.0	0.20	ug/L			03/19/19 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 121*		*03/19/19 15:02*	*1*
4-Bromofluorobenzene (Surr)	*90*		*59 - 120*		*03/19/19 15:02*	*1*
Toluene-d8 (Surr)	*107*		*70 - 123*		*03/19/19 15:02*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 128*		*03/19/19 15:02*	*1*

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: ICV 240-367104/14 Calibration Date: 02/07/2019 15:22

Instrument ID: A3UX11 Calib Start Date: 02/07/2019 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/07/2019 15:00

Lab File ID: UXJ8027.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2965	0.2155		0.00727	0.0100	-27.3	50.0
Chloromethane	Ave	0.2437	0.1916	0.1000	0.00786	0.0100	-21.4	50.0
Butadiene	Ave	0.2273	0.1923		0.00846	0.0100	-15.4	50.0
Vinyl chloride	Ave	0.2648	0.2502		0.00945	0.0100	-5.5	20.0
Bromomethane	Ave	0.1749	0.1599		0.00914	0.0100	-8.6	50.0
Chloroethane	Ave	0.1395	0.1398		0.0100	0.0100	0.3	50.0
Dichlorofluoromethane	Ave	0.3514	0.3586		0.0102	0.0100	2.0	50.0
Trichlorofluoromethane	Ave	0.3720	0.3714		0.00998	0.0100	-0.2	50.0
Ethyl ether	Ave	0.1858	0.1927		0.0104	0.0100	3.7	50.0
Acrolein	Ave	0.0478	0.0476		0.0498	0.0500	-0.3	50.0
1,1-Dichloroethene	Ave	0.2297	0.2301		0.0100	0.0100	0.2	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1930	0.1932		0.0100	0.0100	0.1	50.0
Acetone	Ave	0.1072	0.1040		0.0194	0.0200	-3.0	50.0
Iodomethane	Ave	0.4080	0.4225		0.0104	0.0100	3.5	50.0
Carbon disulfide	Ave	0.7535	0.7034		0.00934	0.0100	-6.6	50.0
3-Chloro-1-propene	Ave	0.1694	0.1694		0.0100	0.0100	-0.0	50.0
Methyl acetate	Ave	0.2292	0.2239		0.0195	0.0200	-2.3	50.0
Methylene Chloride	Lin1		0.2589		0.00975	0.0100	-2.5	50.0
2-Methyl-2-propanol	Ave	0.0387	0.0366		0.0946	0.100	-5.4	50.0
Acrylonitrile	Ave	0.1197	0.1160		0.0969	0.100	-3.1	50.0
trans-1,2-Dichloroethene	Ave	0.2733	0.2926		0.0107	0.0100	7.1	50.0
Methyl tert-butyl ether	Ave	0.6104	0.6251		0.0102	0.0100	2.4	50.0
Hexane	Lin1		0.0663		0.0101	0.0100	0.8	20.0
1,1-Dichloroethane	Ave	0.4478	0.4612	0.1000	0.0103	0.0100	3.0	50.0
Vinyl acetate	Ave	0.4212	0.4555		0.0108	0.0100	8.1	50.0
2,2-Dichloropropane	Ave	0.0660	0.0608		0.00921	0.0100	-7.9	50.0
cis-1,2-Dichloroethene	Ave	0.2845	0.2960		0.0104	0.0100	4.0	50.0
2-Butanone (MEK)	Ave	0.1351	0.1368		0.0203	0.0200	1.3	50.0
Chlorobromomethane	Ave	0.1457	0.1446		0.00993	0.0100	-0.7	50.0
Tetrahydrofuran	Ave	0.0906	0.0830		0.0183	0.0200	-8.4	50.0
Chloroform	Ave	0.4338	0.4439		0.0102	0.0100	2.3	20.0
1,1,1-Trichloroethane	Ave	0.3774	0.3805		0.0101	0.0100	0.8	50.0
Cyclohexane	Ave	0.3509	0.3668		0.0105	0.0100	4.5	50.0
1,1-Dichloropropene	Ave	0.3456	0.3570		0.0103	0.0100	3.3	50.0
Carbon tetrachloride	Ave	0.3572	0.3548		0.00993	0.0100	-0.7	50.0
Isobutyl alcohol	Ave	0.0197	0.0199		0.254	0.250	1.4	50.0
Benzene	Ave	1.001	1.000		0.00998	0.0100	-0.2	50.0
1,2-Dichloroethane	Ave	0.3480	0.3422		0.00983	0.0100	-1.7	50.0
n-Heptane	Lin1		0.0515		0.00896	0.0100	-10.4	50.0
Trichloroethene	Ave	0.2978	0.2982		0.0100	0.0100	0.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: ICV 240-367104/14 Calibration Date: 02/07/2019 15:22

Instrument ID: A3UX11 Calib Start Date: 02/07/2019 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/07/2019 15:00

Lab File ID: UXJ8027.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3885	0.3731		0.00960	0.0100	-4.0	50.0
1,2-Dichloropropane	Ave	0.2100	0.2111		0.0101	0.0100	0.5	20.0
Dibromomethane	Ave	0.1475	0.1557		0.0106	0.0100	5.6	50.0
1,4-Dioxane	Lin1		0.0027		0.163	0.200	-18.4	50.0
Dichlorobromomethane	Ave	0.3202	0.3096		0.00967	0.0100	-3.3	50.0
2-Chloroethyl vinyl ether	Ave	0.1287	0.1154		0.00896	0.0100	-10.4	50.0
cis-1,3-Dichloropropene	Ave	0.3323	0.3447		0.0104	0.0100	3.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2408	0.2395		0.0199	0.0200	-0.5	50.0
Toluene	Ave	1.444	1.486		0.0103	0.0100	2.9	20.0
trans-1,3-Dichloropropene	Ave	0.4702	0.4369		0.00929	0.0100	-7.1	50.0
Ethyl methacrylate	Ave	0.3915	0.3637		0.00929	0.0100	-7.1	50.0
1,1,2-Trichloroethane	Ave	0.3033	0.2899		0.00956	0.0100	-4.4	50.0
Tetrachloroethene	Ave	0.3229	0.3283		0.0102	0.0100	1.7	50.0
1,3-Dichloropropane	Ave	0.4858	0.4860		0.0100	0.0100	0.0	50.0
2-Hexanone	Ave	0.2590	0.2563		0.0198	0.0200	-1.0	50.0
Chlorodibromomethane	Ave	0.3521	0.3693		0.0105	0.0100	4.9	50.0
Ethylene Dibromide	Ave	0.3126	0.2892		0.00925	0.0100	-7.5	50.0
Chlorobenzene	Ave	0.9680	0.9501	0.3000	0.00982	0.0100	-1.8	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3713	0.3714		0.0100	0.0100	0.0	50.0
Ethylbenzene	Ave	0.4859	0.4717		0.00971	0.0100	-2.9	20.0
m-Xylene & p-Xylene	Ave	0.5666	0.5960		0.0105	0.0100	5.2	50.0
o-Xylene	Ave	0.5483	0.5526		0.0101	0.0100	0.8	50.0
Styrene	Ave	0.9241	0.9199		0.00995	0.0100	-0.5	50.0
Bromoform	Ave	0.2804	0.2771	0.1000	0.00988	0.0100	-1.2	50.0
Isopropylbenzene	Ave	1.410	1.425		0.0101	0.0100	1.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8110	0.7825	0.3000	0.00965	0.0100	-3.5	50.0
Bromobenzene	Ave	0.7495	0.7090		0.00946	0.0100	-5.4	50.0
1,2,3-Trichloropropane	Ave	0.2816	0.2766		0.00982	0.0100	-1.8	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2588	0.2519		0.00973	0.0100	-2.7	50.0
N-Propylbenzene	Ave	0.7593	0.7548		0.00994	0.0100	-0.6	50.0
2-Chlorotoluene	Ave	0.6805	0.7074		0.0104	0.0100	4.0	50.0
1,3,5-Trimethylbenzene	Ave	2.068	2.065		0.00999	0.0100	-0.1	50.0
4-Chlorotoluene	Ave	0.6970	0.7266		0.0104	0.0100	4.2	50.0
tert-Butylbenzene	Ave	1.769	1.706		0.00965	0.0100	-3.5	50.0
1,2,4-Trimethylbenzene	Ave	2.086	2.075		0.00995	0.0100	-0.5	50.0
sec-Butylbenzene	Ave	2.519	2.561		0.0102	0.0100	1.7	50.0
1,3-Dichlorobenzene	Ave	1.363	1.309		0.00961	0.0100	-3.9	50.0
4-Isopropyltoluene	Ave	2.229	2.248		0.0101	0.0100	0.9	50.0
1,4-Dichlorobenzene	Ave	1.462	1.373		0.00939	0.0100	-6.1	50.0
1,2-Dichlorobenzene	Ave	1.275	1.209		0.00948	0.0100	-5.2	50.0
n-Butylbenzene	Ave	1.818	1.699		0.00935	0.0100	-6.5	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: ICV 240-367104/14 Calibration Date: 02/07/2019 15:22

Instrument ID: A3UX11 Calib Start Date: 02/07/2019 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/07/2019 15:00

Lab File ID: UXJ8027.D Conc. Units: ng/uL 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	Lin1		0.2374		0.00979	0.0100	-2.1	50.0
1,2,4-Trichlorobenzene	Ave	0.8021	0.7506		0.00936	0.0100	-6.4	50.0
Hexachlorobutadiene	Ave	0.3705	0.2825		0.00762	0.0100	-23.8	50.0
Naphthalene	Ave	2.134	1.995		0.00935	0.0100	-6.5	50.0
1,2,3-Trichlorobenzene	Ave	0.7522	0.7514		0.00999	0.0100	-0.1	50.0
Dibromofluoromethane (Surr)	Ave	0.2333	0.2347		0.0201	0.0200	0.6	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2824	0.2726		0.0193	0.0200	-3.5	50.0
Toluene-d8 (Surr)	Ave	1.187	1.203		0.0203	0.0200	1.4	50.0
4-Bromofluorobenzene (Surr)	Ave	0.3796	0.3597		0.0190	0.0200	-5.2	50.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8027.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 07-Feb-2019 15:22:30 ALS Bottle#: 7 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0084305-014
Misc. Info.: J90207A-IC,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11
Sublist:

Method: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 08-Feb-2019 09:15:38 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: evansle Date: 08-Feb-2019 08:15:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.659	4.659	0.000	98	1136874	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.309	7.309	0.000	83	742699	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	94	406319	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.091	4.103	-0.012	98	266836	20.0	20.1	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.375	4.375	0.000	97	309934	20.0	19.3	
$ 6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	92	893512	20.0	20.3	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	86	267153	20.0	19.0	
9 Dichlorodifluoromethane	85	1.156	1.168	-0.012	99	122492	10.0	7.27	
10 Chloromethane	50	1.322	1.310	0.012	98	108930	10.0	7.86	
13 Butadiene	54	1.369	1.369	0.000	95	109324	10.0	8.46	
12 Vinyl chloride	62	1.393	1.393	0.000	98	142219	10.0	9.45	
15 Bromomethane	94	1.594	1.606	-0.012	92	90908	10.0	9.14	
16 Chloroethane	64	1.653	1.665	-0.012	98	79487	10.0	10.0	
17 Dichlorofluoromethane	67	1.807	1.807	0.000	98	203824	10.0	10.2	
18 Trichlorofluoromethane	101	1.854	1.831	0.023	95	211117	10.0	9.98	
19 Ethyl ether	59	2.055	2.067	-0.012	89	109517	10.0	10.4	
20 Acrolein	56	2.162	2.162	0.000	98	135366	50.0	49.8	
21 1,1-Dichloroethene	96	2.245	2.245	0.000	98	130822	10.0	10.0	
22 1,1,2-Trichloro-1,2,2-trif	151	2.280	2.280	0.000	91	109807	10.0	10.0	
23 Acetone	43	2.292	2.292	0.000	100	118234	20.0	19.4	
25 Iodomethane	142	2.363	2.363	0.000	95	240134	10.0	10.4	
26 Carbon disulfide	76	2.410	2.411	0.000	99	399812	10.0	9.34	
28 3-Chloro-1-propene	76	2.541	2.541	0.000	88	96291	10.0	10.0	
29 Methyl acetate	43	2.564	2.564	0.000	97	254495	20.0	19.5	
30 Methylene Chloride	84	2.635	2.647	-0.012	87	147143	10.0	9.75	
31 2-Methyl-2-propanol	59	2.754	2.754	0.000	96	208181	100.0	94.6	
32 Acrylonitrile	53	2.848	2.848	0.000	98	659215	100.0	96.9	
34 trans-1,2-Dichloroethene	96	2.872	2.872	0.000	98	166333	10.0	10.7	
33 Methyl tert-butyl ether	73	2.884	2.884	0.000	95	355339	10.0	10.2	
35 Hexane	86	3.097	3.109	-0.012	92	37666	10.0	10.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 1,1-Dichloroethane	63	3.215	3.215	0.000	97	262156	10.0	10.3	
37 Vinyl acetate	43	3.262	3.274	-0.012	97	258898	10.0	10.8	
41 cis-1,2-Dichloroethene	96	3.700	3.700	0.000	80	168258	10.0	10.4	
43 2,2-Dichloropropane	97	3.700	3.700	0.000	63	34552	10.0	9.21	
42 2-Butanone (MEK)	43	3.712	3.712	0.000	99	155571	20.0	20.3	
47 Chlorobromomethane	128	3.890	3.890	0.000	88	82193	10.0	9.93	
48 Tetrahydrofuran	42	3.937	3.937	0.000	80	94338	20.0	18.3	
49 Chloroform	83	3.961	3.961	0.000	94	252351	10.0	10.2	
50 1,1,1-Trichloroethane	97	4.114	4.114	0.000	98	216310	10.0	10.1	
51 Cyclohexane	56	4.162	4.162	0.000	87	208525	10.0	10.5	
53 Carbon tetrachloride	117	4.256	4.256	0.000	93	201657	10.0	9.93	
52 1,1-Dichloropropene	75	4.245	4.256	-0.011	95	202920	10.0	10.3	
54 Isobutyl alcohol	41	4.363	4.363	0.000	87	185080	250.0	253.6	
55 Benzene	78	4.422	4.422	0.000	95	568169	10.0	9.98	
56 1,2-Dichloroethane	62	4.434	4.434	0.000	97	194510	10.0	9.83	
58 n-Heptane	100	4.659	4.659	0.000	44	29291	10.0	8.96	
60 Trichloroethene	130	4.966	4.966	0.000	93	169532	10.0	10.0	
62 Methylcyclohexane	83	5.132	5.132	0.000	89	212078	10.0	9.60	
63 1,2-Dichloropropane	63	5.156	5.156	0.000	95	119996	10.0	10.1	
65 Dibromomethane	93	5.250	5.250	0.000	90	88497	10.0	10.6	
66 1,4-Dioxane	88	5.274	5.274	0.000	94	31141	200.0	163.1	
67 Dichlorobromomethane	83	5.392	5.392	0.000	100	175974	10.0	9.67	
69 2-Chloroethyl vinyl ether	63	5.653	5.653	0.000	91	65573	10.0	8.96	
70 cis-1,3-Dichloropropene	75	5.771	5.771	0.000	97	195960	10.0	10.4	
71 4-Methyl-2-pentanone (MIBK	43	5.913	5.913	0.000	95	272309	20.0	19.9	
72 Toluene	91	6.067	6.067	0.000	97	551967	10.0	10.3	
73 trans-1,3-Dichloropropene	75	6.268	6.268	0.000	92	162243	10.0	9.29	
74 Ethyl methacrylate	69	6.363	6.363	0.000	87	135071	10.0	9.29	
75 1,1,2-Trichloroethane	97	6.422	6.422	0.000	90	107634	10.0	9.56	
76 Tetrachloroethene	164	6.552	6.552	0.000	97	121909	10.0	10.2	
77 1,3-Dichloropropane	76	6.576	6.576	0.000	89	180490	10.0	10.0	
78 2-Hexanone	43	6.658	6.659	-0.001	95	190355	20.0	19.8	
80 Chlorodibromomethane	129	6.777	6.777	0.000	88	137141	10.0	10.5	
82 Ethylene Dibromide	107	6.871	6.872	-0.001	99	107383	10.0	9.25	
84 Chlorobenzene	112	7.333	7.333	0.000	98	352832	10.0	9.82	
85 1,1,1,2-Tetrachloroethane	131	7.404	7.404	0.000	93	137909	10.0	10.0	
86 Ethylbenzene	106	7.439	7.439	0.000	98	175181	10.0	9.71	
87 m-Xylene & p-Xylene	106	7.546	7.546	0.000	98	221333	10.0	10.5	
88 o-Xylene	106	7.913	7.913	0.000	96	205210	10.0	10.1	
89 Styrene	104	7.925	7.925	0.000	92	341620	10.0	9.95	
90 Bromoform	173	8.090	8.090	0.000	98	102912	10.0	9.88	
91 Isopropylbenzene	105	8.268	8.268	0.000	95	529237	10.0	10.1	
95 Bromobenzene	156	8.552	8.540	0.012	88	144029	10.0	9.46	
94 1,1,2,2-Tetrachloroethane	83	8.552	8.552	0.000	97	158969	10.0	9.65	
96 1,2,3-Trichloropropane	110	8.587	8.587	0.000	85	56194	10.0	9.82	
97 trans-1,4-Dichloro-2-buten	53	8.611	8.611	0.000	82	51170	10.0	9.73	
98 N-Propylbenzene	120	8.658	8.658	0.000	99	153347	10.0	9.94	
99 2-Chlorotoluene	126	8.741	8.741	0.000	98	143712	10.0	10.4	
100 1,3,5-Trimethylbenzene	105	8.836	8.836	0.000	95	419613	10.0	9.99	
101 4-Chlorotoluene	126	8.836	8.848	-0.012	97	147608	10.0	10.4	
102 tert-Butylbenzene	119	9.143	9.155	-0.012	91	346660	10.0	9.65	
104 1,2,4-Trimethylbenzene	105	9.191	9.191	0.000	97	421589	10.0	9.95	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	9.356	9.356	0.000	93	520257	10.0	10.2	
106 1,3-Dichlorobenzene	146	9.451	9.451	0.000	99	266004	10.0	9.61	
107 4-Isopropyltoluene	119	9.510	9.510	0.000	97	456786	10.0	10.1	
108 1,4-Dichlorobenzene	146	9.546	9.546	0.000	97	279004	10.0	9.39	
111 n-Butylbenzene	91	9.901	9.901	0.000	97	345182	10.0	9.35	
112 1,2-Dichlorobenzene	146	9.901	9.901	0.000	96	245592	10.0	9.48	
114 1,2-Dibromo-3-Chloropropan	157	10.670	10.670	0.000	93	48232	10.0	9.79	
116 1,2,4-Trichlorobenzene	180	11.486	11.486	0.000	91	152496	10.0	9.36	
117 Hexachlorobutadiene	225	11.676	11.676	0.000	97	57388	10.0	7.62	
118 Naphthalene	128	11.723	11.723	0.000	96	405313	10.0	9.35	
119 1,2,3-Trichlorobenzene	180	11.971	11.960	0.011	97	152661	10.0	9.99	
S 133 Trihalomethanes, Total	1				0		40.0	40.3	
S 159 Total BTEX	1				0		50.0	50.6	
S 132 Xylenes, Total	106				0		20.0	20.6	

Reagents:

VMFASPW_00287	Amount Added:	8.00	Units: uL		
VMFASAW_00266	Amount Added:	8.00	Units: uL		
VMFASGW_00295	Amount Added:	8.00	Units: uL		
vm50is_stk_A_00002	Amount Added:	2.00	Units: uL	Run Reagent	
vm50ss_stk_00079	Amount Added:	2.00	Units: uL	Run Reagent	
vmDist_H2o_00138	Amount Added:	0.00	Units:	Run Reagent	

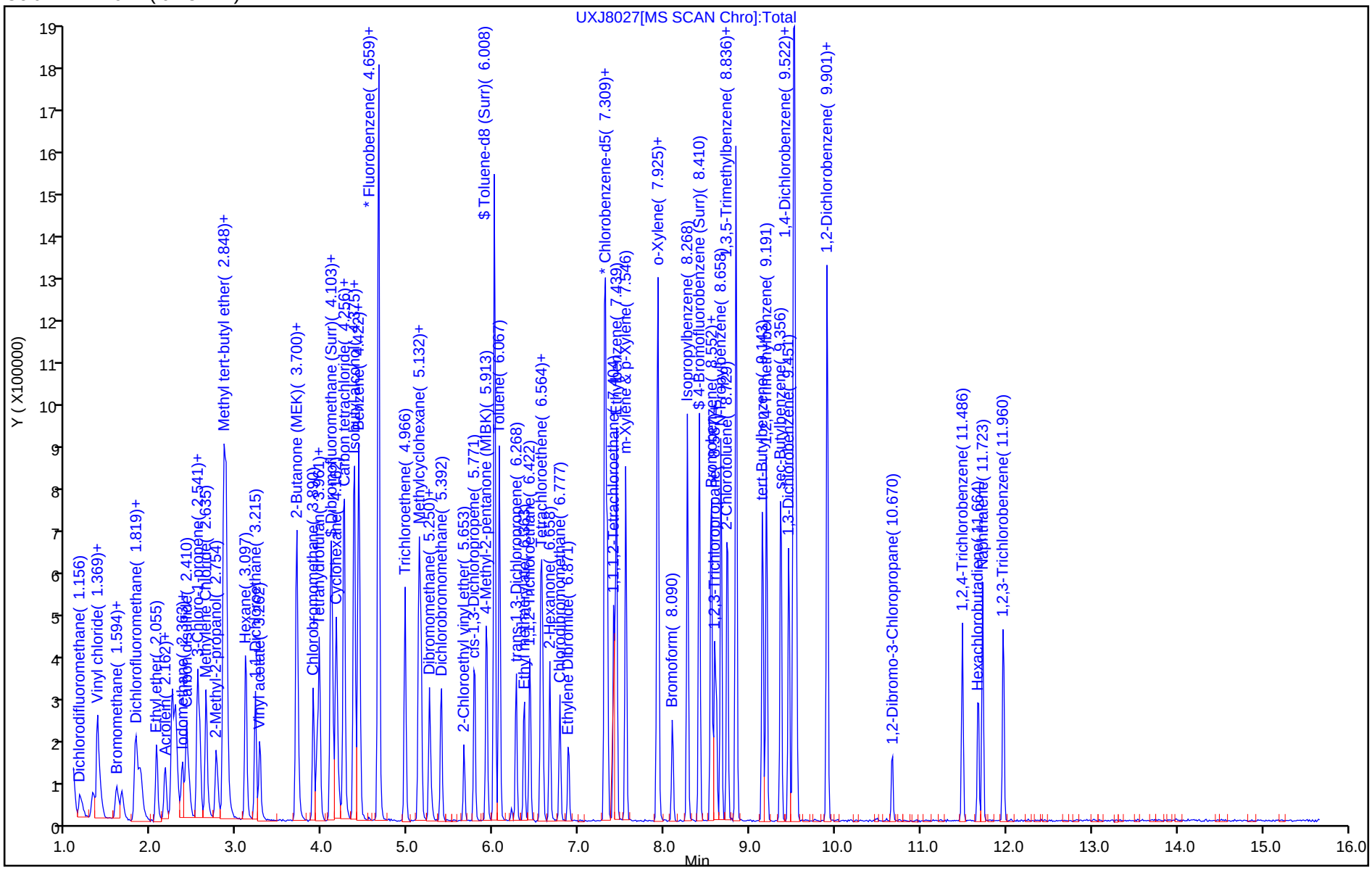
Report Date: 08-Feb-2019 09:15:45 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8027.D

Injection Date:	07-Feb-2019 15:22:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	ICV			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: ICV 240-367104/15 Calibration Date: 02/07/2019 17:58

Instrument ID: A3UX11 Calib Start Date: 02/07/2019 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/07/2019 15:00

Lab File ID: UXJ8034.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2333	0.2472		0.0212	0.0200	5.9	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2824	0.2744		0.0194	0.0200	-2.8	50.0
Toluene-d8 (Surr)	Ave	1.187	1.173		0.0198	0.0200	-1.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.3796	0.3662		0.0193	0.0200	-3.5	50.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8034.D
Lims ID: ICV A9
Client ID:
Sample Type: ICV
Inject. Date: 07-Feb-2019 17:58:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0084305-015
Misc. Info.: J90207A-IC,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11
Sublist:

Method: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 08-Feb-2019 09:15:38 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: evansle Date: 08-Feb-2019 08:53:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.659	4.659	0.000	100	1095747	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.309	7.309	0.000	77	685491	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	91	350426	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.091	4.103	-0.012	95	270885	20.0	21.2	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.375	4.375	0.000	94	300650	20.0	19.4	
$ 6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	92	803880	20.0	19.8	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	87	251011	20.0	19.3	
27 Acetonitrile	41	2.517	2.517	0.000	99	186717	100.0	105.4	
39 2-Chloro-1,3-butadiene	53	3.298	3.286	0.012	85	215755	10.0	10.4	
38 Isopropyl ether	87	3.286	3.286	0.000	90	108209	10.0	10.5	
40 Tert-butyl ethyl ether	59	3.594	3.582	0.012	94	315929	10.0	10.5	
44 Propionitrile	54	3.759	3.759	0.000	23	241667	100.0	101.0	
45 Ethyl acetate	43	3.771	3.771	0.000	96	247987	20.0	18.8	
46 Methacrylonitrile	41	3.889	3.890	-0.001	91	907357	100.0	99.8	
57 Tert-amyl methyl ether	73	4.528	4.529	-0.001	92	321983	10.0	10.6	
59 n-Butanol	56	4.919	4.919	0.000	88	130328	250.0	237.6	
61 Ethyl acrylate	55	5.061	5.061	0.000	97	135427	10.0	9.07	
64 Methyl methacrylate	41	5.262	5.262	0.000	85	188872	20.0	19.6	
68 2-Nitropropane	41	5.582	5.582	0.000	94	84065	20.0	18.9	
79 n-Butyl acetate	43	6.777	6.789	-0.012	97	141764	10.0	9.48	
83 1-Chlorohexane	91	7.321	7.321	0.000	94	150288	10.0	10.3	
92 Cyclohexanone	55	8.339	8.339	0.000	82	43960	100.0	91.9	
103 Pentachloroethane	167	9.155	9.155	0.000	92	126476	20.0	14.8	
109 1,2,3-Trimethylbenzene	105	9.605	9.605	0.000	94	388080	10.0	10.3	
110 Benzyl chloride	126	9.676	9.676	0.000	99	59598	10.0	9.03	
115 1,3,5-Trichlorobenzene	180	10.883	10.883	0.000	93	168026	10.0	10.1	
120 2-Methylnaphthalene	142	13.048	13.048	0.000	67	198099	20.0	12.0	

Reagents:

VMFASA9W_00218	Amount Added:	8.00	Units: uL	
vm50is_stk_A_00002	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00079	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00138	Amount Added:	0.00	Units:	Run Reagent

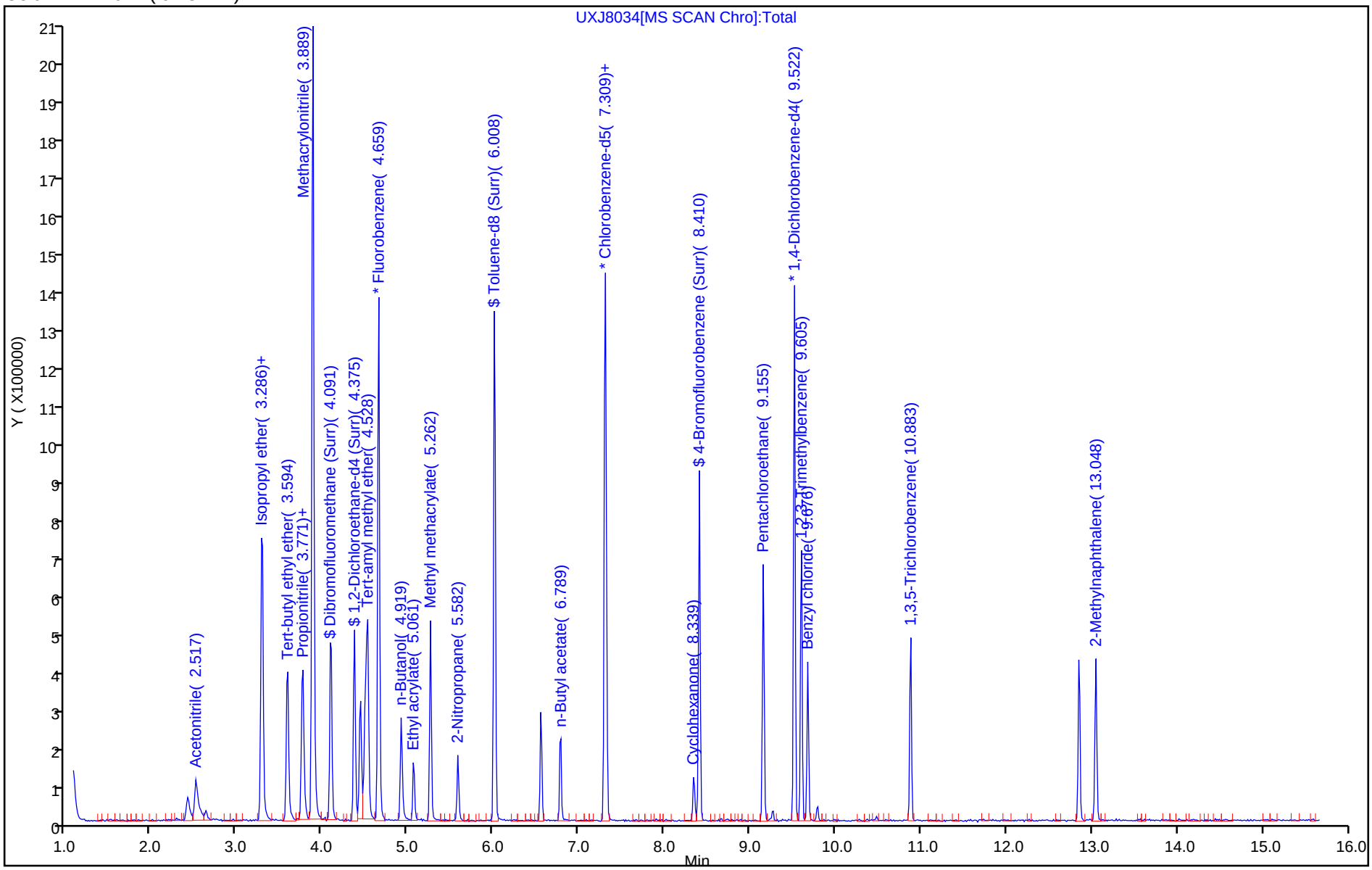
Report Date: 08-Feb-2019 09:15:50 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8034.D

Injection Date:	07-Feb-2019 17:58:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	ICV A9			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: ICV 240-367104/15 Calibration Date: 02/07/2019 17:58

Instrument ID: A3UX11 Calib Start Date: 02/07/2019 15:44

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/07/2019 17:35

Lab File ID: UXJ8034.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0323	0.0341		0.105	0.100	5.4	50.0
Isopropyl ether	Ave	0.1872	0.1975		0.0105	0.0100	5.5	50.0
2-Chloro-1,3-butadiene	Ave	0.3783	0.3938		0.0104	0.0100	4.1	50.0
Tert-butyl ethyl ether	Ave	0.5509	0.5767		0.0105	0.0100	4.7	50.0
Propionitrile	Ave	0.0437	0.0441		0.101	0.100	1.0	50.0
Ethyl acetate	Ave	0.2406	0.2263		0.0188	0.0200	-5.9	50.0
Methacrylonitrile	Ave	0.1660	0.1656		0.0998	0.100	-0.2	50.0
Tert-amyl methyl ether	Ave	0.5547	0.5877		0.0106	0.0100	5.9	50.0
n-Butanol	Ave	0.0160	0.0152		0.238	0.250	-5.0	50.0
Ethyl acrylate	Ave	0.2725	0.2472		0.00907	0.0100	-9.3	50.0
Methyl methacrylate	Ave	0.1760	0.1724		0.0196	0.0200	-2.1	50.0
2-Nitropropane	Ave	0.0812	0.0767		0.0189	0.0200	-5.6	50.0
n-Butyl acetate	Ave	0.2731	0.2588		0.00948	0.0100	-5.2	50.0
1-Chlorohexane	Ave	0.4268	0.4385		0.0103	0.0100	2.7	50.0
Cyclohexanone	Lin1		0.0251		0.0919	0.100	-8.1	50.0
Pentachloroethane	Ave	0.2485	0.1845		0.0148	0.0200	-25.8	50.0
1,2,3-Trimethylbenzene	Ave	2.159	2.215		0.0103	0.0100	2.6	50.0
Benzyl chloride	Ave	0.3768	0.3402		0.00903	0.0100	-9.7	50.0
1,3,5-Trichlorobenzene	Ave	0.9457	0.9590		0.0101	0.0100	1.4	50.0
2-Methylnaphthalene	Lin		0.5653		0.0120	0.0200	-40.0	50.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8034.D
Lims ID: ICV A9
Client ID:
Sample Type: ICV
Inject. Date: 07-Feb-2019 17:58:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0084305-015
Misc. Info.: J90207A-IC,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11
Sublist:

Method: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 08-Feb-2019 09:15:38 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: evansle Date: 08-Feb-2019 08:53:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.659	4.659	0.000	100	1095747	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.309	7.309	0.000	77	685491	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	91	350426	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.091	4.103	-0.012	95	270885	20.0	21.2	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.375	4.375	0.000	94	300650	20.0	19.4	
$ 6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	92	803880	20.0	19.8	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	87	251011	20.0	19.3	
27 Acetonitrile	41	2.517	2.517	0.000	99	186717	100.0	105.4	
39 2-Chloro-1,3-butadiene	53	3.298	3.286	0.012	85	215755	10.0	10.4	
38 Isopropyl ether	87	3.286	3.286	0.000	90	108209	10.0	10.5	
40 Tert-butyl ethyl ether	59	3.594	3.582	0.012	94	315929	10.0	10.5	
44 Propionitrile	54	3.759	3.759	0.000	23	241667	100.0	101.0	
45 Ethyl acetate	43	3.771	3.771	0.000	96	247987	20.0	18.8	
46 Methacrylonitrile	41	3.889	3.890	-0.001	91	907357	100.0	99.8	
57 Tert-amyl methyl ether	73	4.528	4.529	-0.001	92	321983	10.0	10.6	
59 n-Butanol	56	4.919	4.919	0.000	88	130328	250.0	237.6	
61 Ethyl acrylate	55	5.061	5.061	0.000	97	135427	10.0	9.07	
64 Methyl methacrylate	41	5.262	5.262	0.000	85	188872	20.0	19.6	
68 2-Nitropropane	41	5.582	5.582	0.000	94	84065	20.0	18.9	
79 n-Butyl acetate	43	6.777	6.789	-0.012	97	141764	10.0	9.48	
83 1-Chlorohexane	91	7.321	7.321	0.000	94	150288	10.0	10.3	
92 Cyclohexanone	55	8.339	8.339	0.000	82	43960	100.0	91.9	
103 Pentachloroethane	167	9.155	9.155	0.000	92	126476	20.0	14.8	
109 1,2,3-Trimethylbenzene	105	9.605	9.605	0.000	94	388080	10.0	10.3	
110 Benzyl chloride	126	9.676	9.676	0.000	99	59598	10.0	9.03	
115 1,3,5-Trichlorobenzene	180	10.883	10.883	0.000	93	168026	10.0	10.1	
120 2-Methylnaphthalene	142	13.048	13.048	0.000	67	198099	20.0	12.0	

Reagents:

VMFASA9W_00218	Amount Added:	8.00	Units: uL	
vm50is_stk_A_00002	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00079	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00138	Amount Added:	0.00	Units:	Run Reagent

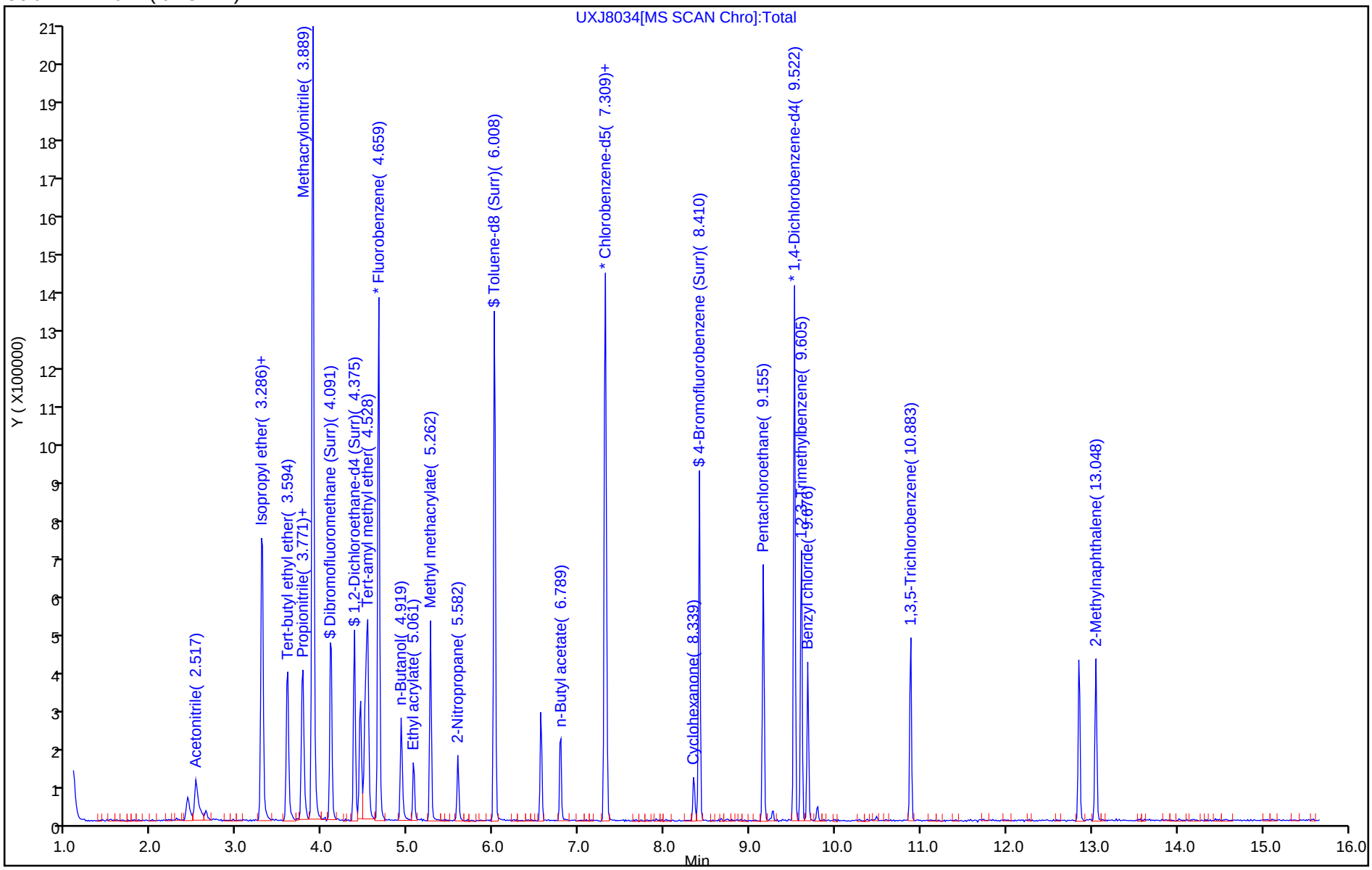
Report Date: 08-Feb-2019 09:15:50 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8034.D

Injection Date:	07-Feb-2019 17:58:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	ICV A9			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: CCVIS 240-372185/2 Calibration Date: 03/19/2019 08:46

Instrument ID: A3UX11 Calib Start Date: 02/07/2019 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/07/2019 15:00

Lab File ID: UXJ8871.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2965	0.2147		0.00724	0.0100	-27.6	50.0
Chloromethane	Ave	0.2437	0.3204	0.1000	0.0131	0.0100	31.5	50.0
Butadiene	Ave	0.2273	0.3180		0.0140	0.0100	39.9	50.0
Vinyl chloride	Ave	0.2648	0.3196		0.0121	0.0100	20.7*	20.0
Bromomethane	Ave	0.1749	0.1696		0.00970	0.0100	-3.0	50.0
Chloroethane	Ave	0.1395	0.1896		0.0136	0.0100	35.9	50.0
Dichlorofluoromethane	Ave	0.3514	0.3864		0.0110	0.0100	10.0	50.0
Trichlorofluoromethane	Ave	0.3720	0.3263		0.00877	0.0100	-12.3	50.0
Ethyl ether	Ave	0.1858	0.2601		0.0140	0.0100	40.0	50.0
Acrolein	Ave	0.0478	0.0414		0.0433	0.0500	-13.4	50.0
1,1-Dichloroethene	Ave	0.2297	0.2457		0.0107	0.0100	6.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1930	0.1478		0.00766	0.0100	-23.4	50.0
Acetone	Ave	0.1072	0.1470		0.0274	0.0200	37.1	50.0
Iodomethane	Ave	0.4080	0.3339		0.00818	0.0100	-18.2	50.0
Carbon disulfide	Ave	0.7535	0.8254		0.0110	0.0100	9.5	50.0
3-Chloro-1-propene	Ave	0.1694	0.1575		0.00930	0.0100	-7.0	50.0
Methyl acetate	Ave	0.2292	0.3382		0.0295	0.0200	47.6	50.0
Methylene Chloride	Lin1		0.2636		0.00995	0.0100	-0.5	50.0
2-Methyl-2-propanol	Ave	0.0387	0.0321		0.0828	0.100	-17.2	50.0
Acrylonitrile	Ave	0.1197	0.1670		0.140	0.100	39.5	50.0
trans-1,2-Dichloroethene	Ave	0.2733	0.2592		0.00948	0.0100	-5.2	50.0
Methyl tert-butyl ether	Ave	0.6104	0.3122		0.00512	0.0100	-48.8	50.0
Hexane	Lin1		0.0695		0.0105	0.0100	5.3	20.0
1,1-Dichloroethane	Ave	0.4478	0.5344	0.1000	0.0119	0.0100	19.3	50.0
Vinyl acetate	Ave	0.4212	0.6413		0.0152	0.0100	52.3*	50.0
2,2-Dichloropropane	Ave	0.0660	0.0546		0.00827	0.0100	-17.3	50.0
cis-1,2-Dichloroethene	Ave	0.2845	0.2721		0.00956	0.0100	-4.4	50.0
2-Butanone (MEK)	Ave	0.1351	0.2237		0.0331	0.0200	65.6*	50.0
Chlorobromomethane	Ave	0.1457	0.1127		0.00773	0.0100	-22.7	50.0
Tetrahydrofuran	Ave	0.0906	0.1432		0.0316	0.0200	58.0*	50.0
Chloroform	Ave	0.4338	0.4424		0.0102	0.0100	2.0	20.0
1,1,1-Trichloroethane	Ave	0.3774	0.3298		0.00874	0.0100	-12.6	50.0
Cyclohexane	Ave	0.3509	0.4847		0.0138	0.0100	38.1	50.0
1,1-Dichloropropene	Ave	0.3456	0.3657		0.0106	0.0100	5.8	50.0
Carbon tetrachloride	Ave	0.3572	0.2863		0.00802	0.0100	-19.8	50.0
Isobutyl alcohol	Ave	0.0197	0.0353		0.449	0.250	79.6*	50.0
Benzene	Ave	1.001	1.094		0.0109	0.0100	9.3	50.0
1,2-Dichloroethane	Ave	0.3480	0.3557		0.0102	0.0100	2.2	50.0
n-Heptane	Lin1		0.0562		0.00976	0.0100	-2.4	50.0
Trichloroethene	Ave	0.2978	0.2438		0.00819	0.0100	-18.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: CCVIS 240-372185/2 Calibration Date: 03/19/2019 08:46

Instrument ID: A3UX11 Calib Start Date: 02/07/2019 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/07/2019 15:00

Lab File ID: UXJ8871.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3885	0.3824		0.00984	0.0100	-1.6	50.0
1,2-Dichloropropane	Ave	0.2100	0.2816		0.0134	0.0100	34.1*	20.0
Dibromomethane	Ave	0.1475	0.1485		0.0101	0.0100	0.7	50.0
1,4-Dioxane	Lin1		0.0039		0.227	0.200	13.5	50.0
Dichlorobromomethane	Ave	0.3202	0.3155		0.00985	0.0100	-1.5	50.0
2-Chloroethyl vinyl ether	Ave	0.1287	0.1345		0.0209	0.0200	4.4	50.0
cis-1,3-Dichloropropene	Ave	0.3323	0.3543		0.0107	0.0100	6.6	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2408	0.3486		0.0290	0.0200	44.8	50.0
Toluene	Ave	1.444	1.691		0.0117	0.0100	17.1	20.0
trans-1,3-Dichloropropene	Ave	0.4702	0.5323		0.0113	0.0100	13.2	50.0
Ethyl methacrylate	Ave	0.3915	0.4938		0.0126	0.0100	26.1	50.0
1,1,2-Trichloroethane	Ave	0.3033	0.3450		0.0114	0.0100	13.8	50.0
Tetrachloroethene	Ave	0.3229	0.2662		0.00824	0.0100	-17.6	50.0
1,3-Dichloropropane	Ave	0.4858	0.6837		0.0141	0.0100	40.7	50.0
2-Hexanone	Ave	0.2590	0.4499		0.0347	0.0200	73.7*	50.0
Chlorodibromomethane	Ave	0.3521	0.3268		0.00928	0.0100	-7.2	50.0
Ethylene Dibromide	Ave	0.3126	0.3320		0.0106	0.0100	6.2	50.0
Chlorobenzene	Ave	0.9680	0.9748	0.3000	0.0101	0.0100	0.7	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3713	0.3217		0.00866	0.0100	-13.4	50.0
Ethylbenzene	Ave	0.4859	0.4946		0.0102	0.0100	1.8	20.0
m-Xylene & p-Xylene	Ave	0.5666	0.5961		0.0105	0.0100	5.2	50.0
o-Xylene	Ave	0.5483	0.5357		0.00977	0.0100	-2.3	50.0
Styrene	Ave	0.9241	0.9429		0.0102	0.0100	2.0	50.0
Bromoform	Ave	0.2804	0.1893	0.1000	0.00675	0.0100	-32.5	50.0
Isopropylbenzene	Ave	1.410	1.366		0.00969	0.0100	-3.1	50.0
Bromobenzene	Ave	0.7495	0.6986		0.00932	0.0100	-6.8	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8110	1.218	0.3000	0.0150	0.0100	50.2*	50.0
1,2,3-Trichloropropane	Ave	0.2816	0.3428		0.0122	0.0100	21.8	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2588	0.2795		0.0108	0.0100	8.0	50.0
N-Propylbenzene	Ave	0.7593	0.8822		0.0116	0.0100	16.2	50.0
2-Chlorotoluene	Ave	0.6805	0.7518		0.0110	0.0100	10.5	50.0
1,3,5-Trimethylbenzene	Ave	2.068	2.396		0.0116	0.0100	15.9	50.0
4-Chlorotoluene	Ave	0.6970	0.7816		0.0112	0.0100	12.1	50.0
tert-Butylbenzene	Ave	1.769	1.786		0.0101	0.0100	1.0	50.0
1,2,4-Trimethylbenzene	Ave	2.086	2.343		0.0112	0.0100	12.3	50.0
sec-Butylbenzene	Ave	2.519	2.809		0.0112	0.0100	11.5	50.0
1,3-Dichlorobenzene	Ave	1.363	1.323		0.00970	0.0100	-3.0	50.0
4-Isopropyltoluene	Ave	2.229	2.316		0.0104	0.0100	3.9	50.0
1,4-Dichlorobenzene	Ave	1.462	1.382		0.00945	0.0100	-5.5	50.0
1,2-Dichlorobenzene	Ave	1.275	1.186		0.00930	0.0100	-7.0	50.0
n-Butylbenzene	Ave	1.818	2.025		0.0111	0.0100	11.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: CCVIS 240-372185/2 Calibration Date: 03/19/2019 08:46

Instrument ID: A3UX11 Calib Start Date: 02/07/2019 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/07/2019 15:00

Lab File ID: UXJ8871.D Conc. Units: ng/uL 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	Lin1		0.2177		0.00895	0.0100	-10.5	50.0
1,2,4-Trichlorobenzene	Ave	0.8021	0.5442		0.00678	0.0100	-32.2	50.0
Hexachlorobutadiene	Ave	0.3705	0.2216		0.00598	0.0100	-40.2	50.0
Naphthalene	Ave	2.134	1.422		0.00666	0.0100	-33.4	50.0
1,2,3-Trichlorobenzene	Ave	0.7522	0.5404		0.00718	0.0100	-28.2	50.0
Dibromofluoromethane (Surr)	Ave	0.2333	0.2109		0.0181	0.0200	-9.6	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2824	0.2866		0.0203	0.0200	1.5	50.0
Toluene-d8 (Surr)	Ave	1.187	1.455		0.0245	0.0200	22.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.3796	0.4266		0.0225	0.0200	12.4	50.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8871.D
Lims ID: CCVIS L4 8260
Client ID:
Sample Type: CCVIS
Inject. Date: 19-Mar-2019 08:46:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085279-002
Misc. Info.: J90319A,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11
Sublist: chrom-8260_11*sub86

Method: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 20-Mar-2019 07:46:39 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0312

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.647	4.647	0.000	97	1900923	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.297	7.297	0.000	88	1085839	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	98	480013	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.091	4.091	0.000	98	400989	20.0	18.1	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.363	4.363	0.000	98	544801	20.0	20.3	
$ 6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	94	1579931	20.0	24.5	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	98	463195	20.0	22.5	
9 Dichlorodifluoromethane	85	1.144	1.144	0.000	98	204095	10.0	7.24	
10 Chloromethane	50	1.298	1.298	0.000	82	304511	10.0	13.1	
13 Butadiene	54	1.357	1.357	0.000	97	302263	10.0	14.0	
12 Vinyl chloride	62	1.369	1.369	0.000	97	303799	10.0	12.1	
15 Bromomethane	94	1.570	1.570	0.000	90	161231	10.0	9.70	
16 Chloroethane	64	1.641	1.641	0.000	100	180207	10.0	13.6	
17 Dichlorofluoromethane	67	1.795	1.795	0.000	98	367263	10.0	11.0	
18 Trichlorofluoromethane	101	1.819	1.819	0.000	100	310096	10.0	8.77	
19 Ethyl ether	59	2.055	2.055	0.000	93	247235	10.0	14.0	
20 Acrolein	56	2.150	2.150	0.000	100	196654	50.0	43.3	
21 1,1-Dichloroethene	96	2.233	2.233	0.000	95	233499	10.0	10.7	
22 1,1,2-Trichloro-1,2,2-trif	151	2.268	2.268	0.000	94	140475	10.0	7.66	
23 Acetone	43	2.280	2.280	0.000	100	279464	20.0	27.4	
25 Iodomethane	142	2.351	2.351	0.000	98	317309	10.0	8.18	
26 Carbon disulfide	76	2.398	2.398	0.000	99	784463	10.0	11.0	
28 3-Chloro-1-propene	76	2.529	2.529	0.000	92	149721	10.0	9.30	
29 Methyl acetate	43	2.552	2.552	0.000	99	642788	20.0	29.5	
30 Methylene Chloride	84	2.635	2.635	0.000	99	250577	10.0	9.95	
31 2-Methyl-2-propanol	59	2.753	2.753	0.000	94	304592	100.0	82.8	
32 Acrylonitrile	53	2.836	2.836	0.000	99	1587446	100.0	139.5	
34 trans-1,2-Dichloroethene	96	2.860	2.860	0.000	96	246393	10.0	9.48	
33 Methyl tert-butyl ether	73	2.872	2.872	0.000	96	296745	10.0	5.12	
35 Hexane	86	3.097	3.097	0.000	95	66043	10.0	10.5	
36 1,1-Dichloroethane	63	3.215	3.215	0.000	97	507898	10.0	11.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	3.262	3.262	0.000	97	609569	10.0	15.2	
43 2,2-Dichloropropane	97	3.688	3.688	0.000	55	51916	10.0	8.27	
41 cis-1,2-Dichloroethene	96	3.688	3.688	0.000	87	258656	10.0	9.56	
42 2-Butanone (MEK)	43	3.712	3.712	0.000	99	425279	20.0	33.1	
47 Chlorobromomethane	128	3.889	3.889	0.000	94	107080	10.0	7.73	
48 Tetrahydrofuran	42	3.925	3.925	0.000	93	272159	20.0	31.6	
49 Chloroform	83	3.960	3.960	0.000	95	420518	10.0	10.2	
50 1,1,1-Trichloroethane	97	4.114	4.114	0.000	96	313476	10.0	8.74	
51 Cyclohexane	56	4.162	4.162	0.000	93	460660	10.0	13.8	
52 1,1-Dichloropropene	75	4.244	4.244	0.000	93	347537	10.0	10.6	
53 Carbon tetrachloride	117	4.244	4.244	0.000	81	272129	10.0	8.02	
54 Isobutyl alcohol	41	4.363	4.363	0.000	95	479225	250.0	449.1	
55 Benzene	78	4.422	4.422	0.000	96	1040219	10.0	10.9	
56 1,2-Dichloroethane	62	4.434	4.434	0.000	97	338088	10.0	10.2	
58 n-Heptane	100	4.659	4.659	0.000	49	53446	10.0	9.76	
60 Trichloroethene	130	4.966	4.966	0.000	98	231758	10.0	8.19	
62 Methylcyclohexane	83	5.120	5.120	0.000	96	363439	10.0	9.84	
63 1,2-Dichloropropane	63	5.144	5.144	0.000	97	267651	10.0	13.4	
65 Dibromomethane	93	5.250	5.250	0.000	93	141133	10.0	10.1	
66 1,4-Dioxane	88	5.274	5.274	0.000	98	73965	200.0	227.1	
67 Dichlorobromomethane	83	5.380	5.380	0.000	98	299866	10.0	9.85	
69 2-Chloroethyl vinyl ether	63	5.653	5.653	0.000	91	255585	20.0	20.9	
70 cis-1,3-Dichloropropene	75	5.771	5.771	0.000	94	336791	10.0	10.7	
71 4-Methyl-2-pentanone (MIBK	43	5.913	5.913	0.000	98	662637	20.0	29.0	
72 Toluene	91	6.067	6.067	0.000	98	918290	10.0	11.7	
73 trans-1,3-Dichloropropene	75	6.256	6.256	0.000	95	288988	10.0	11.3	
74 Ethyl methacrylate	69	6.351	6.351	0.000	93	268117	10.0	12.6	
75 1,1,2-Trichloroethane	97	6.422	6.422	0.000	91	187309	10.0	11.4	
76 Tetrachloroethene	164	6.552	6.552	0.000	93	144507	10.0	8.24	
77 1,3-Dichloropropane	76	6.576	6.576	0.000	91	371171	10.0	14.1	
78 2-Hexanone	43	6.658	6.658	0.000	99	488560	20.0	34.7	
80 Chlorodibromomethane	129	6.777	6.777	0.000	92	177397	10.0	9.28	
82 Ethylene Dibromide	107	6.871	6.871	0.000	99	180244	10.0	10.6	
84 Chlorobenzene	112	7.333	7.333	0.000	94	529218	10.0	10.1	
85 1,1,1,2-Tetrachloroethane	131	7.404	7.404	0.000	95	174634	10.0	8.66	
86 Ethylbenzene	106	7.439	7.439	0.000	99	268552	10.0	10.2	
87 m-Xylene & p-Xylene	106	7.546	7.546	0.000	97	323655	10.0	10.5	
88 o-Xylene	106	7.913	7.913	0.000	96	290825	10.0	9.77	
89 Styrene	104	7.924	7.924	0.000	91	511927	10.0	10.2	
90 Bromoform	173	8.090	8.090	0.000	93	102753	10.0	6.75	
91 Isopropylbenzene	105	8.268	8.268	0.000	96	741802	10.0	9.69	
95 Bromobenzene	156	8.540	8.540	0.000	94	167677	10.0	9.32	
94 1,1,2,2-Tetrachloroethane	83	8.552	8.552	0.000	94	292284	10.0	15.0	
96 1,2,3-Trichloropropane	110	8.587	8.587	0.000	85	82279	10.0	12.2	
97 trans-1,4-Dichloro-2-buten	53	8.599	8.599	0.000	81	67079	10.0	10.8	
98 N-Propylbenzene	120	8.658	8.658	0.000	100	211744	10.0	11.6	
99 2-Chlorotoluene	126	8.729	8.729	0.000	96	180437	10.0	11.0	
100 1,3,5-Trimethylbenzene	105	8.836	8.836	0.000	87	574964	10.0	11.6	
101 4-Chlorotoluene	126	8.836	8.836	0.000	98	187599	10.0	11.2	
102 tert-Butylbenzene	119	9.143	9.143	0.000	95	428533	10.0	10.1	
104 1,2,4-Trimethylbenzene	105	9.191	9.191	0.000	96	562241	10.0	11.2	
105 sec-Butylbenzene	105	9.356	9.356	0.000	95	674272	10.0	11.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	9.451	9.451	0.000	96	317408	10.0	9.70	
107 4-Isopropyltoluene	119	9.510	9.510	0.000	97	555768	10.0	10.4	
108 1,4-Dichlorobenzene	146	9.546	9.546	0.000	96	331800	10.0	9.45	
112 1,2-Dichlorobenzene	146	9.901	9.901	0.000	93	284578	10.0	9.30	
111 n-Butylbenzene	91	9.901	9.901	0.000	98	485935	10.0	11.1	
114 1,2-Dibromo-3-Chloropropan	157	10.670	10.670	0.000	88	52242	10.0	8.95	
116 1,2,4-Trichlorobenzene	180	11.486	11.486	0.000	93	130601	10.0	6.78	
117 Hexachlorobutadiene	225	11.664	11.664	0.000	91	53192	10.0	5.98	
118 Naphthalene	128	11.723	11.723	0.000	98	341332	10.0	6.66	
119 1,2,3-Trichlorobenzene	180	11.959	11.959	0.000	93	129700	10.0	7.18	
S 133 Trihalomethanes, Total	1				0		40.0	36.1	
S 159 Total BTEX	1				0		50.0	53.1	
S 132 Xylenes, Total	106				0		20.0	20.3	

Reagents:

VMRGAS_00285	Amount Added:	8.00	Units: uL	
VMAROLISTDW_00288	Amount Added:	8.00	Units: uL	
VMRPRIMW_00326	Amount Added:	8.00	Units: uL	
vm40ml_vials_00009	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00139	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00080	Amount Added:	2.00	Units: uL	Run Reagent
VM50IS_00075	Amount Added:	2.00	Units: uL	Run Reagent

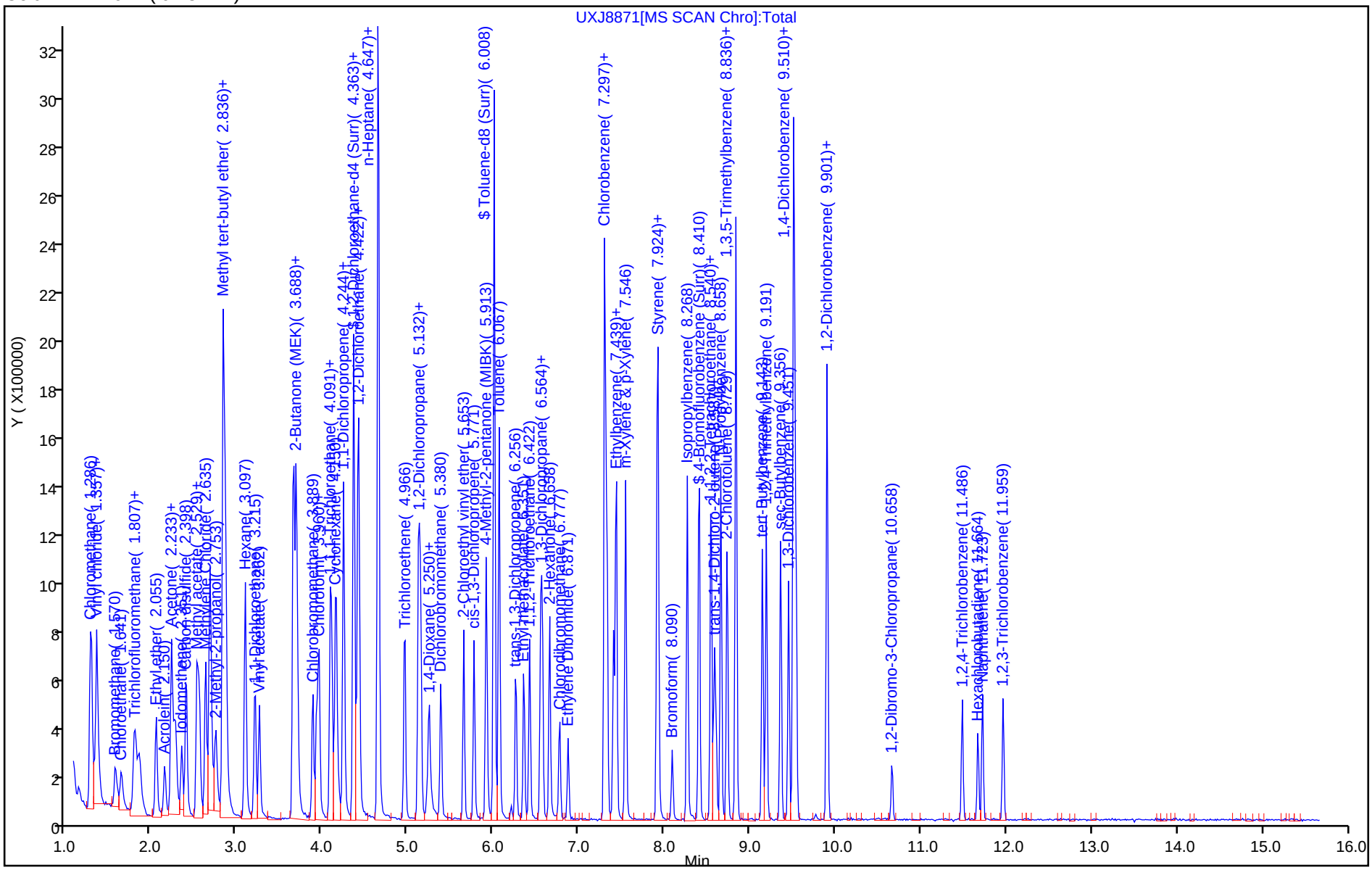
Report Date: 20-Mar-2019 07:46:40 Chrom Revision: 2.3 11-Feb-2019 16:31:10

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8871.D

Injection Date:	19-Mar-2019 08:46:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	CCVIS L4 8260			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: CCVIS 240-372408/2 Calibration Date: 03/20/2019 08:52

Instrument ID: A3UX11 Calib Start Date: 02/07/2019 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/07/2019 15:00

Lab File ID: UXJ8902.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2965	0.1914		0.00646	0.0100	-35.4	50.0
Chloromethane	Ave	0.2437	0.3347	0.1000	0.0137	0.0100	37.4	50.0
Butadiene	Ave	0.2273	0.2818		0.0124	0.0100	24.0	50.0
Vinyl chloride	Ave	0.2648	0.3187		0.0120	0.0100	20.4*	20.0
Bromomethane	Ave	0.1749	0.1707		0.00976	0.0100	-2.4	50.0
Chloroethane	Ave	0.1395	0.1861		0.0133	0.0100	33.4	50.0
Dichlorofluoromethane	Ave	0.3514	0.3892		0.0111	0.0100	10.7	50.0
Trichlorofluoromethane	Ave	0.3720	0.3079		0.00828	0.0100	-17.2	50.0
Ethyl ether	Ave	0.1858	0.2693		0.0145	0.0100	44.9	50.0
Acrolein	Ave	0.0478	0.0551		0.0576	0.0500	15.2	50.0
1,1-Dichloroethene	Ave	0.2297	0.2452		0.0107	0.0100	6.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1930	0.1502		0.00779	0.0100	-22.1	50.0
Acetone	Ave	0.1072	0.1549		0.0289	0.0200	44.4	50.0
Iodomethane	Ave	0.4080	0.3506		0.00859	0.0100	-14.1	50.0
Carbon disulfide	Ave	0.7535	0.8793		0.0117	0.0100	16.7	50.0
3-Chloro-1-propene	Ave	0.1694	0.1818		0.0107	0.0100	7.3	50.0
Methyl acetate	Ave	0.2292	0.3544		0.0309	0.0200	54.7*	50.0
Methylene Chloride	Lin1		0.3039		0.0117	0.0100	16.6	50.0
2-Methyl-2-propanol	Ave	0.0387	0.0409		0.106	0.100	5.7	50.0
Acrylonitrile	Ave	0.1197	0.1769		0.148	0.100	47.8	50.0
trans-1,2-Dichloroethene	Ave	0.2733	0.2750		0.0101	0.0100	0.6	50.0
Methyl tert-butyl ether	Ave	0.6104	0.4370		0.00716	0.0100	-28.4	50.0
Hexane	Lin1		0.0621		0.00948	0.0100	-5.2	20.0
1,1-Dichloroethane	Ave	0.4478	0.5472	0.1000	0.0122	0.0100	22.2	50.0
Vinyl acetate	Ave	0.4212	0.6307		0.0150	0.0100	49.7	50.0
2,2-Dichloropropane	Ave	0.0660	0.0568		0.00860	0.0100	-14.0	50.0
cis-1,2-Dichloroethene	Ave	0.2845	0.2929		0.0103	0.0100	2.9	50.0
2-Butanone (MEK)	Ave	0.1351	0.2260		0.0335	0.0200	67.3*	50.0
Chlorobromomethane	Ave	0.1457	0.1219		0.00837	0.0100	-16.3	50.0
Tetrahydrofuran	Ave	0.0906	0.1502		0.0331	0.0200	65.7*	50.0
Chloroform	Ave	0.4338	0.4599		0.0106	0.0100	6.0	20.0
1,1,1-Trichloroethane	Ave	0.3774	0.3431		0.00909	0.0100	-9.1	50.0
Cyclohexane	Ave	0.3509	0.4769		0.0136	0.0100	35.9	50.0
1,1-Dichloropropene	Ave	0.3456	0.3860		0.0112	0.0100	11.7	50.0
Carbon tetrachloride	Ave	0.3572	0.2818		0.00789	0.0100	-21.1	50.0
Isobutyl alcohol	Ave	0.0197	0.0375		0.477	0.250	90.8*	50.0
Benzene	Ave	1.001	1.155		0.0115	0.0100	15.4	50.0
1,2-Dichloroethane	Ave	0.3480	0.3709		0.0107	0.0100	6.6	50.0
n-Heptane	Lin1		0.0529		0.00919	0.0100	-8.1	50.0
Trichloroethene	Ave	0.2978	0.2412		0.00810	0.0100	-19.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: CCVIS 240-372408/2 Calibration Date: 03/20/2019 08:52

Instrument ID: A3UX11 Calib Start Date: 02/07/2019 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/07/2019 15:00

Lab File ID: UXJ8902.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3885	0.3723		0.00958	0.0100	-4.2	50.0
1,2-Dichloropropane	Ave	0.2100	0.2850		0.0136	0.0100	35.7*	20.0
Dibromomethane	Ave	0.1475	0.1534		0.0104	0.0100	4.0	50.0
1,4-Dioxane	Lin1		0.0041		0.238	0.200	18.8	50.0
Dichlorobromomethane	Ave	0.3202	0.3280		0.0102	0.0100	2.4	50.0
2-Chloroethyl vinyl ether	Ave	0.1287	0.1476		0.0229	0.0200	14.7	50.0
cis-1,3-Dichloropropene	Ave	0.3323	0.3725		0.0112	0.0100	12.1	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2408	0.3469		0.0288	0.0200	44.1	50.0
Toluene	Ave	1.444	1.718		0.0119	0.0100	19.0	20.0
trans-1,3-Dichloropropene	Ave	0.4702	0.5685		0.0121	0.0100	20.9	50.0
Ethyl methacrylate	Ave	0.3915	0.4917		0.0126	0.0100	25.6	50.0
1,1,2-Trichloroethane	Ave	0.3033	0.3440		0.0113	0.0100	13.4	50.0
Tetrachloroethene	Ave	0.3229	0.2685		0.00832	0.0100	-16.8	50.0
1,3-Dichloropropane	Ave	0.4858	0.6613		0.0136	0.0100	36.1	50.0
2-Hexanone	Ave	0.2590	0.4316		0.0333	0.0200	66.6*	50.0
Chlorodibromomethane	Ave	0.3521	0.3447		0.00979	0.0100	-2.1	50.0
Ethylene Dibromide	Ave	0.3126	0.3342		0.0107	0.0100	6.9	50.0
Chlorobenzene	Ave	0.9680	1.000	0.3000	0.0103	0.0100	3.3	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3713	0.3092		0.00833	0.0100	-16.7	50.0
Ethylbenzene	Ave	0.4859	0.4961		0.0102	0.0100	2.1	20.0
m-Xylene & p-Xylene	Ave	0.5666	0.5938		0.0105	0.0100	4.8	50.0
o-Xylene	Ave	0.5483	0.5415		0.00988	0.0100	-1.2	50.0
Styrene	Ave	0.9241	0.9702		0.0105	0.0100	5.0	50.0
Bromoform	Ave	0.2804	0.2110	0.1000	0.00753	0.0100	-24.7	50.0
Isopropylbenzene	Ave	1.410	1.369		0.00971	0.0100	-2.9	50.0
Bromobenzene	Ave	0.7495	0.7218		0.00963	0.0100	-3.7	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8110	1.218	0.3000	0.0150	0.0100	50.1*	50.0
1,2,3-Trichloropropane	Ave	0.2816	0.3518		0.0125	0.0100	24.9	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2588	0.3571		0.0138	0.0100	38.0	50.0
N-Propylbenzene	Ave	0.7593	0.8738		0.0115	0.0100	15.1	50.0
2-Chlorotoluene	Ave	0.6805	0.7646		0.0112	0.0100	12.4	50.0
1,3,5-Trimethylbenzene	Ave	2.068	2.467		0.0119	0.0100	19.3	50.0
4-Chlorotoluene	Ave	0.6970	0.7863		0.0113	0.0100	12.8	50.0
tert-Butylbenzene	Ave	1.769	1.866		0.0105	0.0100	5.5	50.0
1,2,4-Trimethylbenzene	Ave	2.086	2.458		0.0118	0.0100	17.8	50.0
sec-Butylbenzene	Ave	2.519	2.796		0.0111	0.0100	11.0	50.0
1,3-Dichlorobenzene	Ave	1.363	1.347		0.00988	0.0100	-1.2	50.0
4-Isopropyltoluene	Ave	2.229	2.340		0.0105	0.0100	5.0	50.0
1,4-Dichlorobenzene	Ave	1.462	1.340		0.00916	0.0100	-8.4	50.0
1,2-Dichlorobenzene	Ave	1.275	1.222		0.00959	0.0100	-4.1	50.0
n-Butylbenzene	Ave	1.818	2.147		0.0118	0.0100	18.1	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: CCVIS 240-372408/2 Calibration Date: 03/20/2019 08:52

Instrument ID: A3UX11 Calib Start Date: 02/07/2019 13:09

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/07/2019 15:00

Lab File ID: UXJ8902.D Conc. Units: ng/uL 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	Lin1		0.2148		0.00883	0.0100	-11.7	50.0
1,2,4-Trichlorobenzene	Ave	0.8021	0.5376		0.00670	0.0100	-33.0	50.0
Hexachlorobutadiene	Ave	0.3705	0.2091		0.00564	0.0100	-43.6	50.0
Naphthalene	Ave	2.134	1.514		0.00710	0.0100	-29.0	50.0
1,2,3-Trichlorobenzene	Ave	0.7522	0.5588		0.00743	0.0100	-25.7	50.0
Dibromofluoromethane (Surr)	Ave	0.2333	0.2180		0.0187	0.0200	-6.6	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2824	0.3100		0.0220	0.0200	9.8	50.0
Toluene-d8 (Surr)	Ave	1.187	1.496		0.0252	0.0200	26.0	50.0
4-Bromofluorobenzene (Surr)	Ave	0.3796	0.4311		0.0227	0.0200	13.6	50.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190320-85328.b\UXJ8902.D
Lims ID: CCVIS L4 8260
Client ID:
Sample Type: CCVIS
Inject. Date: 20-Mar-2019 08:52:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085328-002
Misc. Info.: J90320A,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11
Sublist: chrom-8260_11*sub86

Method: \\chromna\Canton\ChromData\A3UX11\20190320-85328.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 21-Mar-2019 08:13:47 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0306

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.647	4.647	0.000	97	1821932	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.297	7.297	0.000	91	1046411	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	97	461622	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.091	4.091	0.000	99	397104	20.0	18.7	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.363	4.363	0.000	97	564787	20.0	22.0	
$ 6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	94	1565179	20.0	25.2	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	98	451080	20.0	22.7	
9 Dichlorodifluoromethane	85	1.156	1.156	0.000	100	174389	10.0	6.46	
10 Chloromethane	50	1.298	1.298	0.000	99	304917	10.0	13.7	
13 Butadiene	54	1.357	1.357	0.000	95	256669	10.0	12.4	
12 Vinyl chloride	62	1.369	1.369	0.000	96	290336	10.0	12.0	
15 Bromomethane	94	1.582	1.582	0.000	88	155481	10.0	9.76	
16 Chloroethane	64	1.653	1.653	0.000	100	169529	10.0	13.3	
17 Dichlorofluoromethane	67	1.795	1.795	0.000	99	354508	10.0	11.1	
18 Trichlorofluoromethane	101	1.819	1.819	0.000	90	280520	10.0	8.28	
19 Ethyl ether	59	2.055	2.055	0.000	93	245305	10.0	14.5	
20 Acrolein	56	2.150	2.150	0.000	99	250754	50.0	57.6	
21 1,1-Dichloroethene	96	2.233	2.233	0.000	95	223407	10.0	10.7	
22 1,1,2-Trichloro-1,2,2-trif	151	2.268	2.268	0.000	95	136849	10.0	7.79	
23 Acetone	43	2.280	2.280	0.000	99	282153	20.0	28.9	
25 Iodomethane	142	2.351	2.351	0.000	98	319394	10.0	8.59	
26 Carbon disulfide	76	2.410	2.410	0.000	99	801028	10.0	11.7	
28 3-Chloro-1-propene	76	2.541	2.541	0.000	93	165610	10.0	10.7	
29 Methyl acetate	43	2.564	2.564	0.000	98	645743	20.0	30.9	
30 Methylene Chloride	84	2.635	2.635	0.000	99	276838	10.0	11.7	
31 2-Methyl-2-propanol	59	2.754	2.754	0.000	92	372959	100.0	105.7	
32 Acrylonitrile	53	2.836	2.836	0.000	99	1611486	100.0	147.8	
34 trans-1,2-Dichloroethene	96	2.860	2.860	0.000	96	250549	10.0	10.1	
33 Methyl tert-butyl ether	73	2.872	2.872	0.000	97	398120	10.0	7.16	
35 Hexane	86	3.097	3.097	0.000	95	56547	10.0	9.48	
36 1,1-Dichloroethane	63	3.215	3.215	0.000	96	498448	10.0	12.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	3.262	3.262	0.000	97	574501	10.0	15.0	
43 2,2-Dichloropropane	97	3.688	3.688	0.000	90	51738	10.0	8.60	
41 cis-1,2-Dichloroethene	96	3.688	3.688	0.000	88	266815	10.0	10.3	
42 2-Butanone (MEK)	43	3.712	3.712	0.000	99	411759	20.0	33.5	
47 Chlorobromomethane	128	3.890	3.890	0.000	91	111000	10.0	8.37	
48 Tetrahydrofuran	42	3.937	3.937	0.000	91	273672	20.0	33.1	
49 Chloroform	83	3.961	3.961	0.000	96	418974	10.0	10.6	
50 1,1,1-Trichloroethane	97	4.114	4.114	0.000	97	312523	10.0	9.09	
51 Cyclohexane	56	4.162	4.162	0.000	93	434393	10.0	13.6	
53 Carbon tetrachloride	117	4.245	4.245	0.000	78	256688	10.0	7.89	
52 1,1-Dichloropropene	75	4.245	4.245	0.000	94	351651	10.0	11.2	
54 Isobutyl alcohol	41	4.363	4.363	0.000	92	490604	250.0	477.1	
55 Benzene	78	4.422	4.422	0.000	96	1052545	10.0	11.5	
56 1,2-Dichloroethane	62	4.434	4.434	0.000	97	337910	10.0	10.7	
58 n-Heptane	100	4.659	4.659	0.000	48	48161	10.0	9.19	
60 Trichloroethene	130	4.966	4.966	0.000	97	219717	10.0	8.10	
62 Methylcyclohexane	83	5.132	5.132	0.000	95	339139	10.0	9.58	
63 1,2-Dichloropropane	63	5.144	5.144	0.000	96	259596	10.0	13.6	
65 Dibromomethane	93	5.250	5.250	0.000	91	139756	10.0	10.4	
66 1,4-Dioxane	88	5.274	5.274	0.000	97	74369	200.0	237.7	
67 Dichlorobromomethane	83	5.381	5.381	0.000	98	298769	10.0	10.2	
69 2-Chloroethyl vinyl ether	63	5.653	5.653	0.000	91	268998	20.0	22.9	
70 cis-1,3-Dichloropropene	75	5.771	5.771	0.000	94	339359	10.0	11.2	
71 4-Methyl-2-pentanone (MIBK	43	5.913	5.913	0.000	99	632048	20.0	28.8	
72 Toluene	91	6.067	6.067	0.000	97	899004	10.0	11.9	
73 trans-1,3-Dichloropropene	75	6.256	6.256	0.000	94	297441	10.0	12.1	
74 Ethyl methacrylate	69	6.351	6.351	0.000	91	257271	10.0	12.6	
75 1,1,2-Trichloroethane	97	6.422	6.422	0.000	92	179975	10.0	11.3	
76 Tetrachloroethene	164	6.552	6.552	0.000	93	140485	10.0	8.32	
77 1,3-Dichloropropane	76	6.576	6.576	0.000	93	345977	10.0	13.6	
78 2-Hexanone	43	6.658	6.658	0.000	99	451591	20.0	33.3	
80 Chlorodibromomethane	129	6.777	6.777	0.000	92	180356	10.0	9.79	
82 Ethylene Dibromide	107	6.871	6.871	0.000	96	174857	10.0	10.7	
84 Chlorobenzene	112	7.333	7.333	0.000	94	523045	10.0	10.3	
85 1,1,1,2-Tetrachloroethane	131	7.404	7.404	0.000	95	161786	10.0	8.33	
86 Ethylbenzene	106	7.439	7.439	0.000	99	259561	10.0	10.2	
87 m-Xylene & p-Xylene	106	7.546	7.546	0.000	97	310681	10.0	10.5	
88 o-Xylene	106	7.913	7.913	0.000	97	283292	10.0	9.88	
89 Styrene	104	7.925	7.925	0.000	91	507620	10.0	10.5	
90 Bromoform	173	8.090	8.090	0.000	94	110399	10.0	7.53	
91 Isopropylbenzene	105	8.268	8.268	0.000	96	716164	10.0	9.71	
95 Bromobenzene	156	8.540	8.540	0.000	95	166589	10.0	9.63	
94 1,1,2,2-Tetrachloroethane	83	8.552	8.552	0.000	93	281035	10.0	15.0	
96 1,2,3-Trichloropropane	110	8.587	8.587	0.000	84	81195	10.0	12.5	
97 trans-1,4-Dichloro-2-buten	53	8.599	8.599	0.000	79	82413	10.0	13.8	
98 N-Propylbenzene	120	8.658	8.658	0.000	100	201690	10.0	11.5	
99 2-Chlorotoluene	126	8.729	8.729	0.000	96	176475	10.0	11.2	
100 1,3,5-Trimethylbenzene	105	8.836	8.836	0.000	84	569445	10.0	11.9	
101 4-Chlorotoluene	126	8.836	8.836	0.000	98	181485	10.0	11.3	
102 tert-Butylbenzene	119	9.143	9.143	0.000	96	430614	10.0	10.5	
104 1,2,4-Trimethylbenzene	105	9.191	9.191	0.000	96	567311	10.0	11.8	
105 sec-Butylbenzene	105	9.356	9.356	0.000	95	645318	10.0	11.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	9.451	9.451	0.000	96	311001	10.0	9.88	
107 4-Isopropyltoluene	119	9.510	9.510	0.000	97	540104	10.0	10.5	
108 1,4-Dichlorobenzene	146	9.546	9.546	0.000	93	309209	10.0	9.16	
112 1,2-Dichlorobenzene	146	9.901	9.901	0.000	93	282019	10.0	9.59	
111 n-Butylbenzene	91	9.901	9.901	0.000	98	495516	10.0	11.8	
114 1,2-Dibromo-3-Chloropropan	157	10.670	10.670	0.000	85	49588	10.0	8.83	
116 1,2,4-Trichlorobenzene	180	11.486	11.486	0.000	94	124085	10.0	6.70	
117 Hexachlorobutadiene	225	11.676	11.676	0.000	93	48250	10.0	5.64	
118 Naphthalene	128	11.723	11.723	0.000	97	349463	10.0	7.10	
119 1,2,3-Trichlorobenzene	180	11.960	11.960	0.000	94	128984	10.0	7.43	
S 133 Trihalomethanes, Total	1				0		40.0	38.2	
S 159 Total BTEX	1				0		50.0	54.0	
S 132 Xylenes, Total	106				0		20.0	20.4	

Reagents:

VMRGAS_00285	Amount Added:	8.00	Units: uL	
VMRPRIMW_00326	Amount Added:	8.00	Units: uL	
VMAROLISTDW_00289	Amount Added:	8.00	Units: uL	
vm40ml_vials_00009	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00139	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00080	Amount Added:	2.00	Units: uL	Run Reagent
VM50IS_00075	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 21-Mar-2019 08:13:48 Chrom Revision: 2.3 13-Mar-2019 09:24:14

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190320-85328.b\UXJ8902.D

Injection Date: 20-Mar-2019 08:52:30 Instrument ID: A3UX11 Operator ID: 43582

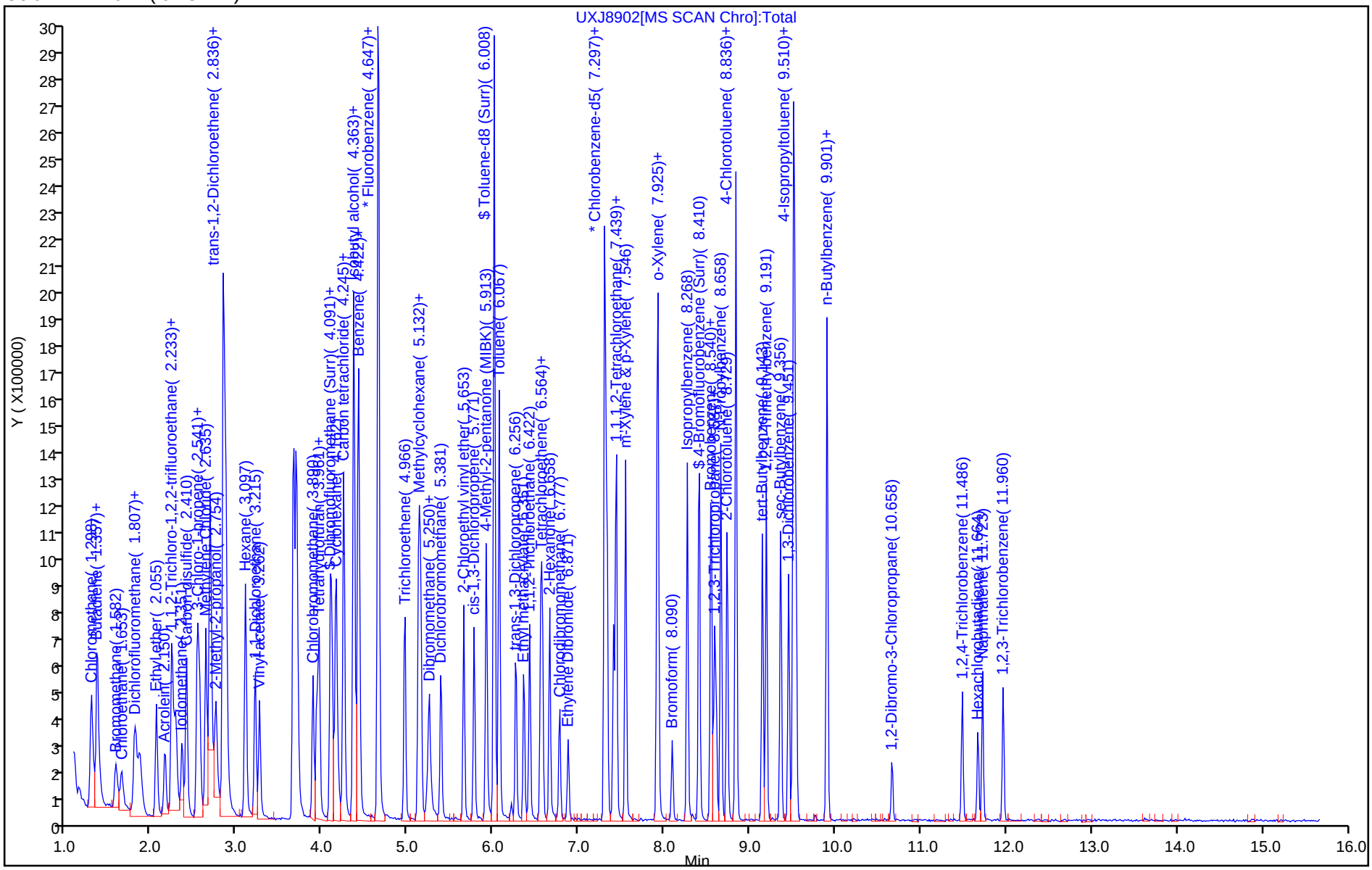
Lims ID: CCVIS L4 8260 Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: 8260_11 Limit Group: MSV 8260B ICAL

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: ICV 240-364785/14 Calibration Date: 01/21/2019 13:48

Instrument ID: A3UX15 Calib Start Date: 01/21/2019 11:37

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/21/2019 13:26

Lab File ID: UXC8416.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3072	0.3077		0.0100	0.0100	0.2	50.0
Chloromethane	Ave	0.3135	0.2939	0.1000	0.00937	0.0100	-6.3	50.0
Vinyl chloride	Ave	0.2885	0.2965		0.0103	0.0100	2.8	20.0
Butadiene	Ave	0.3794	0.3439		0.00906	0.0100	-9.4	50.0
Bromomethane	Ave	0.2308	0.2181		0.00945	0.0100	-5.5	50.0
Chloroethane	Ave	0.2041	0.1937		0.00949	0.0100	-5.1	50.0
Dichlorofluoromethane	Ave	0.5102	0.5038		0.00987	0.0100	-1.3	50.0
Trichlorofluoromethane	Ave	0.4337	0.4655		0.0107	0.0100	7.3	50.0
Ethyl ether	Ave	0.2310	0.2499		0.0108	0.0100	8.2	50.0
Acrolein	Ave	0.0317	0.0225		0.0354	0.0500	-29.1	50.0
1,1-Dichloroethene	Ave	0.3005	0.2950		0.00982	0.0100	-1.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2468	0.2669		0.0108	0.0100	8.1	50.0
Acetone	Lin1		0.0260		0.0217	0.0200	8.7	50.0
Iodomethane	Ave	0.4675	0.5088		0.0109	0.0100	8.8	50.0
Carbon disulfide	Ave	0.7741	0.7832		0.0101	0.0100	1.2	50.0
3-Chloro-1-propene	Ave	0.1698	0.1835		0.0108	0.0100	8.0	50.0
Methyl acetate	Ave	0.2050	0.2103		0.0205	0.0200	2.6	50.0
Methylene Chloride	Lin1		0.3143		0.0102	0.0100	1.8	50.0
2-Methyl-2-propanol	Ave	0.0203	0.0193		0.0952	0.100	-4.8	50.0
Acrylonitrile	Ave	0.0962	0.0979		0.102	0.100	1.8	50.0
Methyl tert-butyl ether	Ave	0.7834	0.8124		0.0104	0.0100	3.7	50.0
trans-1,2-Dichloroethene	Ave	0.2795	0.2813		0.0101	0.0100	0.6	50.0
Hexane	Ave	0.0586	0.0579		0.00987	0.0100	-1.3	20.0
1,1-Dichloroethane	Ave	0.4517	0.4658	0.1000	0.0103	0.0100	3.1	50.0
Vinyl acetate	Ave	0.5198	0.5720		0.0110	0.0100	10.0	50.0
2,2-Dichloropropane	Ave	0.0624	0.0692		0.0111	0.0100	10.9	50.0
2-Butanone (MEK)	Ave	0.0333	0.0338		0.0203	0.0200	1.7	50.0
cis-1,2-Dichloroethene	Ave	0.3078	0.3026		0.00983	0.0100	-1.7	50.0
Chlorobromomethane	Ave	0.1531	0.1576		0.0103	0.0100	2.9	50.0
Tetrahydrofuran	Ave	0.0828	0.0821		0.0198	0.0200	-0.8	50.0
Chloroform	Ave	0.4606	0.4715		0.0102	0.0100	2.4	20.0
1,1,1-Trichloroethane	Ave	0.3546	0.3844		0.0108	0.0100	8.4	50.0
Cyclohexane	Ave	0.3993	0.4228		0.0106	0.0100	5.9	50.0
1,1-Dichloropropene	Ave	0.3748	0.3803		0.0101	0.0100	1.5	50.0
Carbon tetrachloride	Ave	0.3441	0.3608		0.0105	0.0100	4.9	50.0
Isobutyl alcohol	Ave	0.0077	0.0075		0.244	0.250	-2.5	50.0
Benzene	Ave	1.116	1.120		0.0100	0.0100	0.4	50.0
1,2-Dichloroethane	Ave	0.3820	0.3923		0.0103	0.0100	2.7	50.0
n-Heptane	Ave	0.0532	0.0516		0.00969	0.0100	-3.1	50.0
Trichloroethene	Ave	0.3240	0.3277		0.0101	0.0100	1.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: ICV 240-364785/14 Calibration Date: 01/21/2019 13:48

Instrument ID: A3UX15 Calib Start Date: 01/21/2019 11:37

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/21/2019 13:26

Lab File ID: UXC8416.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3524	0.3635		0.0103	0.0100	3.1	50.0
1,2-Dichloropropane	Ave	0.2590	0.2693		0.0104	0.0100	4.0	20.0
1,4-Dioxane	Lin1		0.0018		0.174	0.200	-13.1	50.0
Dibromomethane	Ave	0.1717	0.1693		0.00986	0.0100	-1.4	50.0
Dichlorobromomethane	Ave	0.3410	0.3425		0.0100	0.0100	0.5	50.0
2-Chloroethyl vinyl ether	Ave	0.1745	0.1743		0.00998	0.0100	-0.2	50.0
cis-1,3-Dichloropropene	Ave	0.3944	0.4210		0.0107	0.0100	6.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2678	0.2819		0.0211	0.0200	5.3	50.0
Toluene	Ave	1.476	1.520		0.0103	0.0100	3.0	20.0
trans-1,3-Dichloropropene	Ave	0.4646	0.4706		0.0101	0.0100	1.3	50.0
Ethyl methacrylate	Ave	0.4442	0.4407		0.00992	0.0100	-0.8	50.0
1,1,2-Trichloroethane	Ave	0.2982	0.3097		0.0104	0.0100	3.9	50.0
Tetrachloroethene	Ave	0.3268	0.3359		0.0103	0.0100	2.8	50.0
1,3-Dichloropropane	Ave	0.5243	0.5353		0.0102	0.0100	2.1	50.0
2-Hexanone	Ave	0.2283	0.2452		0.0215	0.0200	7.4	50.0
Chlorodibromomethane	Ave	0.3116	0.3163		0.0102	0.0100	1.5	50.0
Ethylene Dibromide	Ave	0.3191	0.3265		0.0102	0.0100	2.3	50.0
Chlorobenzene	Ave	0.9777	0.9870	0.3000	0.0101	0.0100	1.0	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3450	0.3654		0.0106	0.0100	5.9	50.0
Ethylbenzene	Ave	0.5145	0.5244		0.0102	0.0100	1.9	20.0
m-Xylene & p-Xylene	Ave	1.221	1.254		0.0103	0.0100	2.7	50.0
o-Xylene	Ave	0.6189	0.6401		0.0103	0.0100	3.4	50.0
Styrene	Ave	1.036	1.018		0.00982	0.0100	-1.8	50.0
Bromoform	Lin1		0.1992	0.1000	0.00846	0.0100	-15.4	50.0
Isopropylbenzene	Ave	1.463	1.540		0.0105	0.0100	5.3	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7086	0.7292	0.3000	0.0103	0.0100	2.9	50.0
Bromobenzene	Ave	0.8274	0.8332		0.0101	0.0100	0.7	50.0
1,2,3-Trichloropropane	Ave	0.2468	0.2591		0.0105	0.0100	5.0	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1014	0.0704		0.00695	0.0100	-30.5	50.0
N-Propylbenzene	Ave	0.7286	0.7393		0.0101	0.0100	1.5	50.0
2-Chlorotoluene	Ave	0.6821	0.6987		0.0102	0.0100	2.4	50.0
1,3,5-Trimethylbenzene	Ave	2.119	2.131		0.0101	0.0100	0.6	50.0
4-Chlorotoluene	Ave	2.205	2.165		0.00982	0.0100	-1.8	50.0
tert-Butylbenzene	Ave	1.897	1.872		0.00987	0.0100	-1.3	50.0
1,2,4-Trimethylbenzene	Ave	2.227	2.255		0.0101	0.0100	1.2	50.0
sec-Butylbenzene	Ave	2.327	2.325		0.00999	0.0100	-0.0	50.0
1,3-Dichlorobenzene	Ave	1.425	1.437		0.0101	0.0100	0.9	50.0
4-Isopropyltoluene	Ave	2.083	2.090		0.0100	0.0100	0.3	50.0
1,4-Dichlorobenzene	Ave	1.477	1.484		0.0100	0.0100	0.4	50.0
n-Butylbenzene	Ave	1.649	1.603		0.00972	0.0100	-2.8	50.0
1,2-Dichlorobenzene	Ave	1.387	1.408		0.0102	0.0100	1.5	50.0

FORM VII 8260B

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: ICV 240-364785/14 Calibration Date: 01/21/2019 13:48

Instrument ID: A3UX15 Calib Start Date: 01/21/2019 11:37

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/21/2019 13:26

Lab File ID: UXC8416.D Conc. Units: ng/uL 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	0.1611	0.1660		0.0103	0.0100	3.0	50.0
1,2,4-Trichlorobenzene	Ave	0.8784	0.8494		0.00967	0.0100	-3.3	50.0
Hexachlorobutadiene	Qua		0.3722		0.00828	0.0100	-17.2	50.0
Naphthalene	Ave	2.209	2.304		0.0104	0.0100	4.3	50.0
1,2,3-Trichlorobenzene	Ave	0.7902	0.7849		0.00993	0.0100	-0.7	50.0
Dibromofluoromethane (Surr)	Ave	0.2366	0.2183		0.00735	0.00797	-7.7	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3042	0.2714		0.00711	0.00797	-10.8	50.0
Toluene-d8 (Surr)	Ave	1.214	1.116		0.00733	0.00797	-8.1	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4341	0.4000		0.00734	0.00797	-7.9	50.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8416.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 21-Jan-2019 13:48:30 ALS Bottle#: 7 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0083824-014
Misc. Info.: C90121A-IC,8260LLUX15,,43582
Operator ID: Instrument ID: A3UX15
Sublist:

Method: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\8260_15.m
Limit Group: MSV 8260B ICAL
Last Update: 22-Jan-2019 09:10:13 Calib Date: 21-Jan-2019 19:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8431.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.196	5.196	0.000	99	1793251	10.0	10.0	
* 2 Chlorobenzene-d5	117	7.876	7.876	0.000	85	1418410	10.0	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.117	10.117	0.000	93	796911	10.0	10.0	
$ 4 Dibromofluoromethane (Surr	113	4.639	4.639	0.000	95	311994	7.97	7.35	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.923	4.923	0.000	100	387861	7.97	7.11	
$ 6 Toluene-d8 (Surr)	98	6.560	6.560	0.000	93	1261093	7.97	7.33	
$ 7 4-Bromofluorobenzene (Surr	95	8.979	8.979	0.000	96	452132	7.97	7.34	
9 Dichlorodifluoromethane	85	1.532	1.532	0.000	99	551850	10.0	10.0	
10 Chloromethane	50	1.686	1.686	0.000	99	527044	10.0	9.37	
11 Vinyl chloride	62	1.781	1.781	0.000	97	531634	10.0	10.3	
12 Butadiene	54	1.793	1.793	-0.001	96	616742	10.0	9.06	
13 Bromomethane	94	2.053	2.054	-0.001	91	391096	10.0	9.45	
14 Chloroethane	64	2.136	2.137	-0.001	100	347264	10.0	9.49	
15 Dichlorofluoromethane	67	2.302	2.303	-0.001	97	903414	10.0	9.87	
16 Trichlorofluoromethane	101	2.362	2.362	0.000	99	834671	10.0	10.7	
17 Ethyl ether	59	2.575	2.563	0.012	90	448075	10.0	10.8	
18 Acrolein	56	2.694	2.694	0.000	99	201389	50.0	35.4	
19 1,1-Dichloroethene	96	2.789	2.777	0.012	98	529054	10.0	9.82	
20 1,1,2-Trichloro-1,2,2-trif	151	2.800	2.789	0.011	86	478556	10.0	10.8	
22 Acetone	58	2.812	2.812	0.000	100	93357	20.0	21.7	
23 Iodomethane	142	2.931	2.931	0.000	98	912367	10.0	10.9	
24 Carbon disulfide	76	2.990	2.990	0.000	100	1404467	10.0	10.1	
25 3-Chloro-1-propene	76	3.073	3.073	0.000	88	329005	10.0	10.8	
27 Methyl acetate	43	3.085	3.085	0.000	98	754191	20.0	20.5	
28 Methylene Chloride	84	3.180	3.180	0.000	93	563557	10.0	10.2	
29 2-Methyl-2-propanol	59	3.263	3.263	0.000	99	346305	100.0	95.2	
32 Acrylonitrile	53	3.393	3.394	-0.001	99	1755477	100.0	101.8	
30 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	97	504418	10.0	10.1	
31 Methyl tert-butyl ether	73	3.405	3.405	0.000	95	1456881	10.0	10.4	
33 Hexane	86	3.619	3.619	0.000	94	103809	10.0	9.87	
34 1,1-Dichloroethane	63	3.761	3.761	0.000	96	835310	10.0	10.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	3.785	3.785	0.000	97	1025753	10.0	11.0	
39 cis-1,2-Dichloroethene	96	4.247	4.235	0.012	81	542596	10.0	9.83	
41 2-Butanone (MEK)	72	4.247	4.247	0.000	98	121331	20.0	20.3	
40 2,2-Dichloropropane	97	4.247	4.247	0.000	65	124051	10.0	11.1	
45 Chlorobromomethane	128	4.449	4.449	0.000	88	282681	10.0	10.3	
46 Tetrahydrofuran	42	4.484	4.485	-0.001	86	294586	20.0	19.8	
47 Chloroform	83	4.496	4.496	0.000	93	845575	10.0	10.2	
48 1,1,1-Trichloroethane	97	4.662	4.662	0.000	98	689257	10.0	10.8	
49 Cyclohexane	56	4.710	4.710	0.000	90	758127	10.0	10.6	
51 1,1-Dichloropropene	75	4.793	4.793	0.000	94	681963	10.0	10.1	
50 Carbon tetrachloride	117	4.805	4.805	0.000	96	647000	10.0	10.5	
52 Isobutyl alcohol	41	4.864	4.864	0.000	95	335938	250.0	243.9	
53 Benzene	78	4.971	4.971	0.000	96	2009249	10.0	10.0	
54 1,2-Dichloroethane	62	4.982	4.983	-0.001	98	703449	10.0	10.3	
56 n-Heptane	100	5.160	5.160	0.000	93	92495	10.0	9.69	
58 Trichloroethene	130	5.504	5.504	0.000	95	587677	10.0	10.1	
60 Methylcyclohexane	83	5.670	5.670	0.000	90	651902	10.0	10.3	
61 1,2-Dichloropropane	63	5.706	5.706	0.000	94	482855	10.0	10.4	
63 Dibromomethane	93	5.813	5.813	0.000	88	303520	10.0	9.86	
64 1,4-Dioxane	88	5.813	5.813	0.000	33	65935	200.0	173.7	
65 Dichlorobromomethane	83	5.931	5.931	0.000	99	614221	10.0	10.0	
67 2-Chloroethyl vinyl ether	63	6.180	6.180	0.000	93	312475	10.0	9.98	
68 cis-1,3-Dichloropropene	75	6.322	6.323	-0.001	95	754933	10.0	10.7	
69 4-Methyl-2-pentanone (MIBK	43	6.441	6.441	0.000	97	1011196	20.0	21.1	
70 Toluene	91	6.619	6.619	0.000	98	2155730	10.0	10.3	
71 trans-1,3-Dichloropropene	75	6.809	6.809	0.000	94	667505	10.0	10.1	
72 Ethyl methacrylate	69	6.868	6.868	0.000	89	625023	10.0	9.92	
73 1,1,2-Trichloroethane	97	6.975	6.975	0.000	91	439234	10.0	10.4	
74 Tetrachloroethene	164	7.117	7.117	0.000	96	476419	10.0	10.3	
75 1,3-Dichloropropane	76	7.129	7.129	0.000	93	759222	10.0	10.2	
76 2-Hexanone	43	7.188	7.188	0.000	97	695520	20.0	21.5	
79 Chlorodibromomethane	129	7.342	7.342	0.000	89	448610	10.0	10.2	
80 Ethylene Dibromide	107	7.461	7.461	0.000	98	463121	10.0	10.2	
82 Chlorobenzene	112	7.900	7.900	0.000	95	1399979	10.0	10.1	
83 1,1,1,2-Tetrachloroethane	131	7.971	7.971	0.000	94	518307	10.0	10.6	
84 Ethylbenzene	106	7.995	7.995	-0.001	98	743771	10.0	10.2	
85 m-Xylene & p-Xylene	91	8.101	8.101	0.000	93	1778779	10.0	10.3	
86 o-Xylene	106	8.481	8.481	0.000	95	907873	10.0	10.3	
87 Styrene	104	8.493	8.493	0.000	94	1443373	10.0	9.82	
88 Bromoform	173	8.682	8.682	0.000	98	282491	10.0	8.46	
89 Isopropylbenzene	105	8.825	8.825	0.000	95	2184869	10.0	10.5	
93 1,1,2,2-Tetrachloroethane	83	9.121	9.121	0.000	97	581082	10.0	10.3	
92 Bromobenzene	156	9.133	9.133	0.000	91	663996	10.0	10.1	
95 trans-1,4-Dichloro-2-buten	53	9.168	9.169	-0.001	67	56124	10.0	6.95	
94 1,2,3-Trichloropropane	110	9.168	9.169	-0.001	84	206463	10.0	10.5	
96 N-Propylbenzene	120	9.228	9.228	0.000	98	589187	10.0	10.1	
97 2-Chlorotoluene	126	9.323	9.323	0.000	97	556828	10.0	10.2	
98 1,3,5-Trimethylbenzene	105	9.394	9.394	0.000	94	1698481	10.0	10.1	
99 4-Chlorotoluene	91	9.418	9.418	0.000	98	1725613	10.0	9.82	
101 tert-Butylbenzene	119	9.714	9.714	0.000	92	1491725	10.0	9.87	
103 1,2,4-Trimethylbenzene	105	9.761	9.762	-0.001	94	1796823	10.0	10.1	
105 sec-Butylbenzene	105	9.927	9.928	-0.001	94	1852982	10.0	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.046	10.046	0.000	98	1145305	10.0	10.1	
107 4-Isopropyltoluene	119	10.070	10.070	0.000	97	1665303	10.0	10.0	
108 1,4-Dichlorobenzene	146	10.141	10.141	0.000	96	1182487	10.0	10.0	
111 n-Butylbenzene	91	10.473	10.473	0.000	97	1277066	10.0	9.72	
112 1,2-Dichlorobenzene	146	10.509	10.509	-0.001	99	1122403	10.0	10.2	
113 1,2-Dibromo-3-Chloropropan	157	11.291	11.291	0.000	89	132296	10.0	10.3	
115 1,2,4-Trichlorobenzene	180	12.109	12.110	-0.001	94	676924	10.0	9.67	
116 Hexachlorobutadiene	225	12.275	12.276	-0.001	93	296600	10.0	8.28	
117 Naphthalene	128	12.358	12.359	-0.001	96	1836241	10.0	10.4	
118 1,2,3-Trichlorobenzene	180	12.607	12.608	-0.001	95	625482	10.0	9.93	
S 129 Xylenes, Total	106				0		20.0	20.6	
S 157 Total BTEX	1		0.000				50.0	ND	
S 130 Trihalomethanes, Total	1				0		40.0	38.9	

Reagents:

VMFASPW_00285	Amount Added:	8.00	Units: uL	
VMFASAW_00264	Amount Added:	8.00	Units: uL	
VMFASGW_00293	Amount Added:	8.00	Units: uL	
VM50IS_00072	Amount Added:	1.00	Units: uL	
vmDist_H2o_00124	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00079	Amount Added:	0.80	Units: uL	Run Reagent

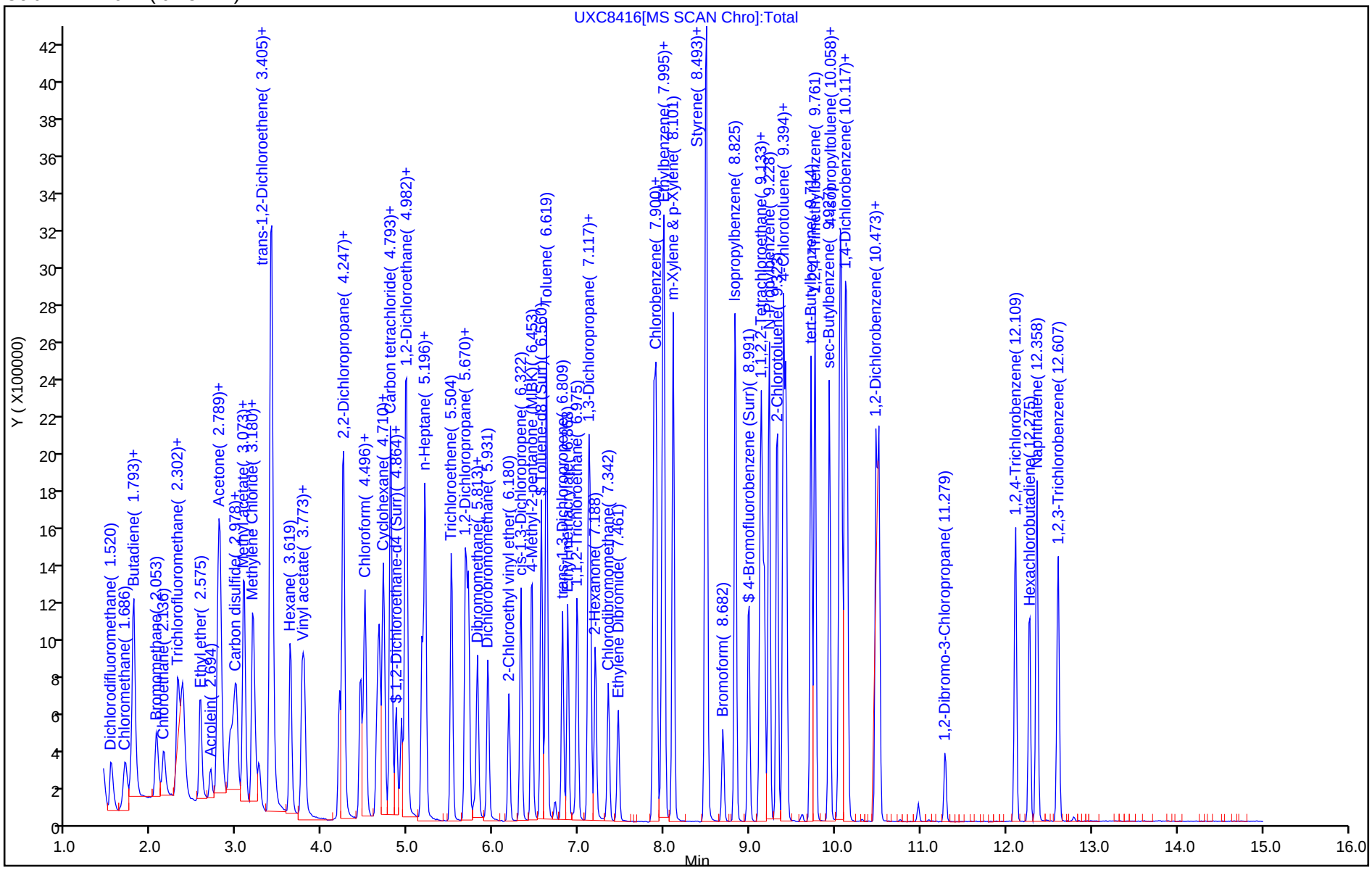
Report Date: 22-Jan-2019 09:10:17 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8416.D

Injection Date:	21-Jan-2019 13:48:30	Instrument ID:	A3UX15	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260_15	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: ICV 240-364785/15 Calibration Date: 01/21/2019 16:21

Instrument ID: A3UX15 Calib Start Date: 01/21/2019 11:37

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/21/2019 13:26

Lab File ID: UXC8423.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2366	0.2218		0.00747	0.00797	-6.3	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3042	0.2777		0.00728	0.00797	-8.7	50.0
Toluene-d8 (Surr)	Ave	1.214	1.132		0.00743	0.00797	-6.7	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4341	0.4058		0.00745	0.00797	-6.5	50.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8423.D
Lims ID: ICV A9
Client ID:
Sample Type: ICV
Inject. Date: 21-Jan-2019 16:21:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0083824-015
Misc. Info.: C90121A-IC,8260LLUX15,,43582
Operator ID: Instrument ID: A3UX15
Sublist:

Method: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\8260_15.m
Limit Group: MSV 8260B ICAL
Last Update: 22-Jan-2019 09:10:13 Calib Date: 21-Jan-2019 19:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8431.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.196	5.196	0.000	99	1778453	10.0	10.0	
* 2 Chlorobenzene-d5	117	7.876	7.876	0.000	85	1420097	10.0	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.117	10.117	0.000	93	764446	10.0	10.0	
$ 4 Dibromofluoromethane (Surr	113	4.639	4.639	0.000	95	314414	7.97	7.47	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.923	4.923	0.000	100	393596	7.97	7.28	
$ 6 Toluene-d8 (Surr)	98	6.560	6.560	0.000	93	1281042	7.97	7.43	
$ 7 4-Bromofluorobenzene (Surr	95	8.979	8.979	0.000	97	459309	7.97	7.45	
26 Acetonitrile	41	3.061	3.050	0.011	98	427448	100.0	104.0	
35 Isopropyl ether	87	3.797	3.797	0.000	92	442161	10.0	10.3	
37 2-Chloro-1,3-butadiene	53	3.832	3.832	0.000	93	736814	10.0	9.78	
38 Tert-butyl ethyl ether	59	4.093	4.093	0.000	97	1388893	10.0	10.0	
42 Ethyl acetate	43	4.283	4.283	0.000	99	937785	20.0	20.8	
43 Propionitrile	54	4.307	4.307	0.000	99	677621	100.0	106.8	
44 Methacrylonitrile	41	4.437	4.425	0.012	92	3212963	100.0	104.3	
55 Tert-amyl methyl ether	73	5.054	5.042	0.012	98	1404415	10.0	10.2	
57 n-Butanol	56	5.421	5.421	0.000	89	269615	250.0	249.7	
59 Ethyl acrylate	55	5.575	5.575	0.000	99	624490	10.0	10.5	
62 Methyl methacrylate	41	5.777	5.777	0.000	91	913802	20.0	21.1	
66 2-Nitropropane	41	6.133	6.133	0.000	99	271968	20.0	20.5	
77 n-Butyl acetate	43	7.295	7.295	0.000	97	736671	10.0	10.6	
81 1-Chlorohexane	91	7.864	7.864	0.000	98	551389	10.0	9.79	
91 Cyclohexanone	55	8.943	8.931	0.012	94	139432	100.0	114.7	
102 Pentachloroethane	167	9.750	9.750	0.000	95	563326	20.0	19.5	
109 1,2,3-Trimethylbenzene	105	10.176	10.176	0.000	98	1800683	10.0	10.3	
110 Benzyl chloride	126	10.271	10.271	0.000	98	227669	10.0	10.1	
114 1,3,5-Trichlorobenzene	180	11.493	11.493	0.000	97	692380	10.0	9.57	
119 2-Methylnaphthalene	142	13.651	13.651	0.000	93	1419962	20.0	17.3	

Reagents:

VMFASA9W_00216	Amount Added:	8.00	Units: uL	
VM50IS_00072	Amount Added:	1.00	Units: uL	
vmDist_H2o_00124	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00079	Amount Added:	0.80	Units: uL	Run Reagent

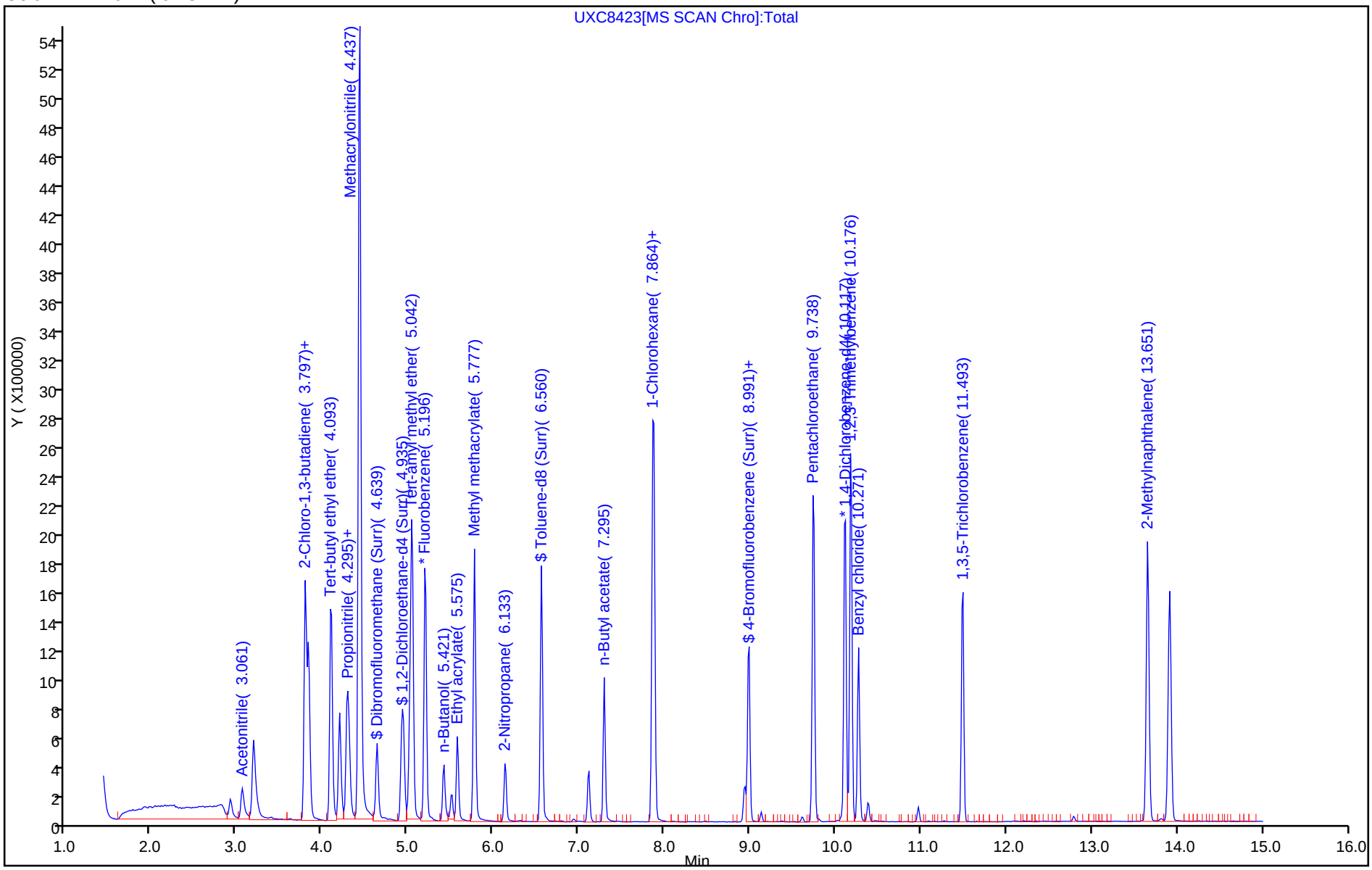
Report Date: 22-Jan-2019 09:10:21 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8423.D

Injection Date:	21-Jan-2019 16:21:30	Instrument ID:	A3UX15	Operator ID:	
Lims ID:	ICV A9			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260_15	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: ICV 240-364785/15 Calibration Date: 01/21/2019 16:21

Instrument ID: A3UX15 Calib Start Date: 01/21/2019 14:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/21/2019 15:59

Lab File ID: UXC8423.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0231	0.0240		0.104	0.100	4.0	50.0
Isopropyl ether	Ave	0.2405	0.2486		0.0103	0.0100	3.4	50.0
2-Chloro-1,3-butadiene	Ave	0.4235	0.4143		0.00978	0.0100	-2.2	50.0
Tert-butyl ethyl ether	Ave	0.7799	0.7810		0.0100	0.0100	0.1	50.0
Ethyl acetate	Ave	0.2538	0.2637		0.0208	0.0200	3.9	50.0
Propionitrile	Ave	0.0357	0.0381		0.107	0.100	6.8	50.0
Methacrylonitrile	Ave	0.1733	0.1807		0.104	0.100	4.3	50.0
Tert-amyl methyl ether	Ave	0.7765	0.7897		0.0102	0.0100	1.7	50.0
n-Butanol	Ave	0.0061	0.0061		0.250	0.250	-0.1	50.0
Ethyl acrylate	Ave	0.3330	0.3511		0.0105	0.0100	5.4	50.0
Methyl methacrylate	Ave	0.2430	0.2569		0.0211	0.0200	5.7	50.0
2-Nitropropane	Ave	0.0745	0.0765		0.0205	0.0200	2.7	50.0
n-Butyl acetate	Ave	0.3918	0.4142		0.0106	0.0100	5.7	50.0
1-Chlorohexane	Ave	0.3968	0.3883		0.00979	0.0100	-2.1	50.0
Cyclohexanone	Lin1		0.0182		0.115	0.100	14.7	50.0
Pentachloroethane	Ave	0.2034	0.1983		0.0195	0.0200	-2.5	50.0
1,2,3-Trimethylbenzene	Ave	2.297	2.356		0.0103	0.0100	2.5	50.0
Benzyl chloride	Ave	0.2963	0.2978		0.0101	0.0100	0.5	50.0
1,3,5-Trichlorobenzene	Ave	0.9466	0.9057		0.00957	0.0100	-4.3	50.0
2-Methylnaphthalene	Ave	1.076	0.9288		0.0173	0.0200	-13.7	50.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8423.D
Lims ID: ICV A9
Client ID:
Sample Type: ICV
Inject. Date: 21-Jan-2019 16:21:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0083824-015
Misc. Info.: C90121A-IC,8260LLUX15,,43582
Operator ID: Instrument ID: A3UX15
Sublist:

Method: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\8260_15.m
Limit Group: MSV 8260B ICAL
Last Update: 22-Jan-2019 09:10:13 Calib Date: 21-Jan-2019 19:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8431.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.196	5.196	0.000	99	1778453	10.0	10.0	
* 2 Chlorobenzene-d5	117	7.876	7.876	0.000	85	1420097	10.0	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.117	10.117	0.000	93	764446	10.0	10.0	
$ 4 Dibromofluoromethane (Surr	113	4.639	4.639	0.000	95	314414	7.97	7.47	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.923	4.923	0.000	100	393596	7.97	7.28	
$ 6 Toluene-d8 (Surr)	98	6.560	6.560	0.000	93	1281042	7.97	7.43	
$ 7 4-Bromofluorobenzene (Surr	95	8.979	8.979	0.000	97	459309	7.97	7.45	
26 Acetonitrile	41	3.061	3.050	0.011	98	427448	100.0	104.0	
35 Isopropyl ether	87	3.797	3.797	0.000	92	442161	10.0	10.3	
37 2-Chloro-1,3-butadiene	53	3.832	3.832	0.000	93	736814	10.0	9.78	
38 Tert-butyl ethyl ether	59	4.093	4.093	0.000	97	1388893	10.0	10.0	
42 Ethyl acetate	43	4.283	4.283	0.000	99	937785	20.0	20.8	
43 Propionitrile	54	4.307	4.307	0.000	99	677621	100.0	106.8	
44 Methacrylonitrile	41	4.437	4.425	0.012	92	3212963	100.0	104.3	
55 Tert-amyl methyl ether	73	5.054	5.042	0.012	98	1404415	10.0	10.2	
57 n-Butanol	56	5.421	5.421	0.000	89	269615	250.0	249.7	
59 Ethyl acrylate	55	5.575	5.575	0.000	99	624490	10.0	10.5	
62 Methyl methacrylate	41	5.777	5.777	0.000	91	913802	20.0	21.1	
66 2-Nitropropane	41	6.133	6.133	0.000	99	271968	20.0	20.5	
77 n-Butyl acetate	43	7.295	7.295	0.000	97	736671	10.0	10.6	
81 1-Chlorohexane	91	7.864	7.864	0.000	98	551389	10.0	9.79	
91 Cyclohexanone	55	8.943	8.931	0.012	94	139432	100.0	114.7	
102 Pentachloroethane	167	9.750	9.750	0.000	95	563326	20.0	19.5	
109 1,2,3-Trimethylbenzene	105	10.176	10.176	0.000	98	1800683	10.0	10.3	
110 Benzyl chloride	126	10.271	10.271	0.000	98	227669	10.0	10.1	
114 1,3,5-Trichlorobenzene	180	11.493	11.493	0.000	97	692380	10.0	9.57	
119 2-Methylnaphthalene	142	13.651	13.651	0.000	93	1419962	20.0	17.3	

Reagents:

VMFASA9W_00216	Amount Added:	8.00	Units: uL	
VM50IS_00072	Amount Added:	1.00	Units: uL	
vmDist_H2o_00124	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00079	Amount Added:	0.80	Units: uL	Run Reagent

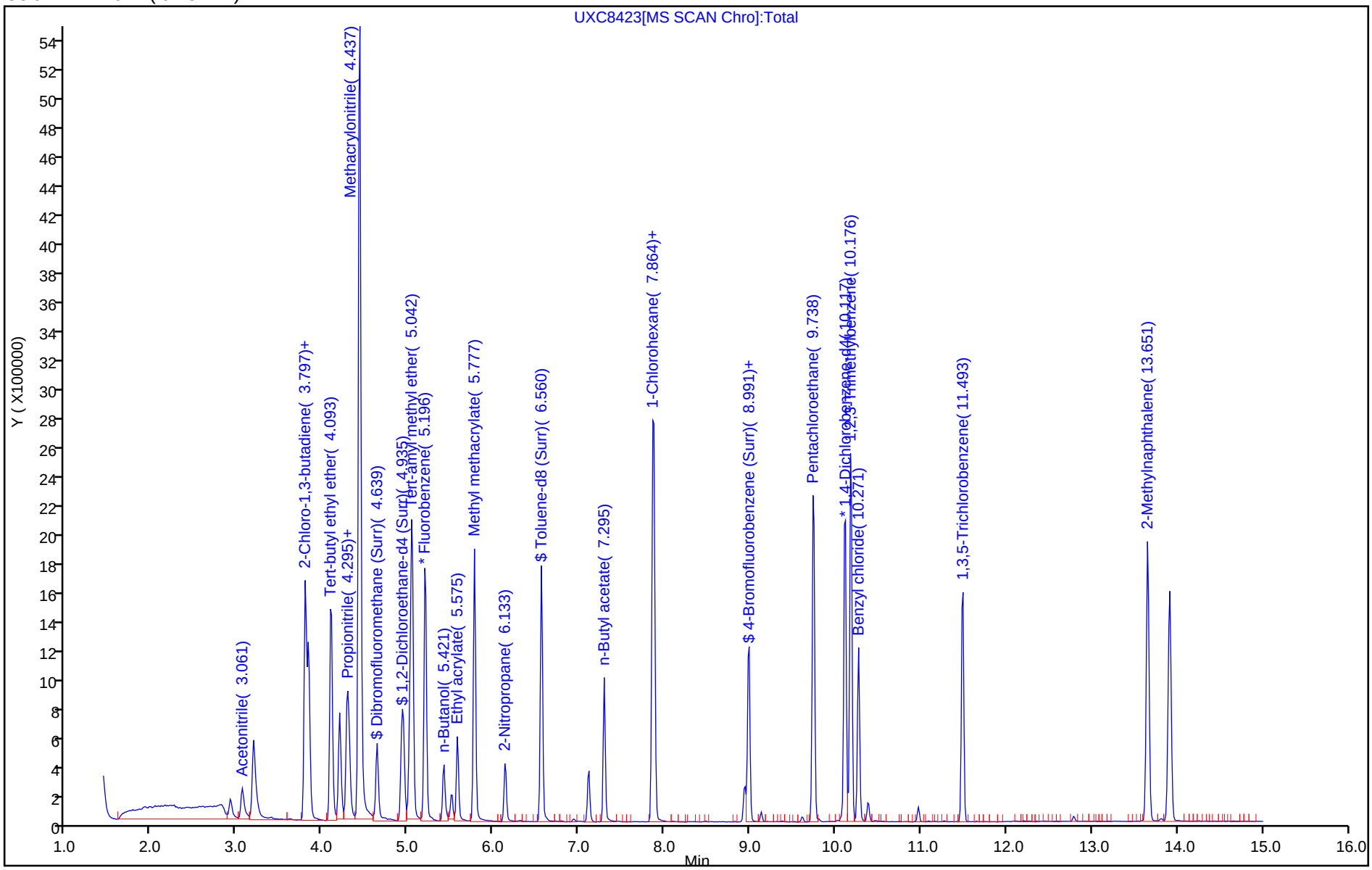
Report Date: 22-Jan-2019 09:10:21 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8423.D

Injection Date:	21-Jan-2019 16:21:30	Instrument ID:	A3UX15	Operator ID:	
Lims ID:	ICV A9			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260_15	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: CCVIS 240-372409/2 Calibration Date: 03/20/2019 08:57

Instrument ID: A3UX15 Calib Start Date: 01/21/2019 11:37

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/21/2019 13:26

Lab File ID: UXC9483.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3072	0.2467		0.00803	0.0100	-19.7	50.0
Chloromethane	Ave	0.3135	0.2418	0.1000	0.00771	0.0100	-22.9	50.0
Vinyl chloride	Ave	0.2885	0.2559		0.00887	0.0100	-11.3	20.0
Butadiene	Ave	0.3794	0.2707		0.00714	0.0100	-28.6	50.0
Bromomethane	Ave	0.2308	0.1939		0.00840	0.0100	-16.0	50.0
Chloroethane	Ave	0.2041	0.1683		0.00825	0.0100	-17.5	50.0
Dichlorofluoromethane	Ave	0.5102	0.4138		0.00811	0.0100	-18.9	50.0
Trichlorofluoromethane	Ave	0.4337	0.4362		0.0101	0.0100	0.6	50.0
Ethyl ether	Ave	0.2310	0.1799		0.00779	0.0100	-22.1	50.0
Acrolein	Ave	0.0317	0.0217		0.0342	0.0500	-31.5	50.0
1,1-Dichloroethene	Ave	0.3005	0.2421		0.00806	0.0100	-19.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2468	0.2250		0.00912	0.0100	-8.8	50.0
Acetone	Lin1		0.0174		0.0137	0.0200	-31.4	50.0
Iodomethane	Ave	0.4675	0.4684		0.0100	0.0100	0.2	50.0
Carbon disulfide	Ave	0.7741	0.6293		0.00813	0.0100	-18.7	50.0
3-Chloro-1-propene	Ave	0.1698	0.1344		0.00791	0.0100	-20.9	50.0
Methyl acetate	Ave	0.2050	0.1265		0.0123	0.0200	-38.3	50.0
Methylene Chloride	Lin1		0.2969		0.00948	0.0100	-5.2	50.0
2-Methyl-2-propanol	Ave	0.0203	0.0104		0.0513	0.100	-48.7	50.0
Acrylonitrile	Ave	0.0962	0.0656		0.0682	0.100	-31.8	50.0
Methyl tert-butyl ether	Ave	0.7834	0.4906		0.00626	0.0100	-37.4	50.0
trans-1,2-Dichloroethene	Ave	0.2795	0.2780		0.00994	0.0100	-0.6	50.0
Hexane	Ave	0.0586	0.0430		0.00733	0.0100	-26.7*	20.0
1,1-Dichloroethane	Ave	0.4517	0.4435	0.1000	0.00982	0.0100	-1.8	50.0
Vinyl acetate	Ave	0.5198	0.2755		0.00530	0.0100	-47.0	50.0
cis-1,2-Dichloroethene	Ave	0.3078	0.3056		0.00993	0.0100	-0.7	50.0
2,2-Dichloropropane	Ave	0.0624	0.0637		0.0102	0.0100	2.1	50.0
2-Butanone (MEK)	Ave	0.0333	0.0189		0.0113	0.0200	-43.3	50.0
Chlorobromomethane	Ave	0.1531	0.1459		0.00953	0.0100	-4.7	50.0
Tetrahydrofuran	Ave	0.0828	0.0446		0.0108	0.0200	-46.1	50.0
Chloroform	Ave	0.4606	0.4609		0.0100	0.0100	0.0	20.0
1,1,1-Trichloroethane	Ave	0.3546	0.3708		0.0105	0.0100	4.6	50.0
Cyclohexane	Ave	0.3993	0.3430		0.00859	0.0100	-14.1	50.0
1,1-Dichloropropene	Ave	0.3748	0.3307		0.00882	0.0100	-11.8	50.0
Carbon tetrachloride	Ave	0.3441	0.3319		0.00965	0.0100	-3.5	50.0
Isobutyl alcohol	Ave	0.0077	0.0046		0.150	0.250	-40.1	50.0
Benzene	Ave	1.116	1.038		0.00930	0.0100	-7.0	50.0
1,2-Dichloroethane	Ave	0.3820	0.3344		0.00875	0.0100	-12.5	50.0
n-Heptane	Ave	0.0532	0.0374		0.00703	0.0100	-29.7	50.0
Trichloroethene	Ave	0.3240	0.2939		0.00907	0.0100	-9.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: CCVIS 240-372409/2 Calibration Date: 03/20/2019 08:57

Instrument ID: A3UX15 Calib Start Date: 01/21/2019 11:37

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/21/2019 13:26

Lab File ID: UXC9483.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3524	0.2917		0.00828	0.0100	-17.2	50.0
1,2-Dichloropropane	Ave	0.2590	0.2233		0.00862	0.0100	-13.8	20.0
1,4-Dioxane	Lin1		0.0017		0.161	0.200	-19.6	50.0
Dibromomethane	Ave	0.1717	0.1384		0.00806	0.0100	-19.4	50.0
Dichlorobromomethane	Ave	0.3410	0.2842		0.00834	0.0100	-16.6	50.0
2-Chloroethyl vinyl ether	Ave	0.1745	0.0905		0.0104	0.0200	-48.2	50.0
cis-1,3-Dichloropropene	Ave	0.3944	0.2595		0.00658	0.0100	-34.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2678	0.1399		0.0104	0.0200	-47.8	50.0
Toluene	Ave	1.476	1.341		0.00909	0.0100	-9.1	20.0
trans-1,3-Dichloropropene	Ave	0.4646	0.2771		0.00596	0.0100	-40.4	50.0
Ethyl methacrylate	Ave	0.4442	0.2463		0.00554	0.0100	-44.6	50.0
1,1,2-Trichloroethane	Ave	0.2982	0.2344		0.00786	0.0100	-21.4	50.0
Tetrachloroethene	Ave	0.3268	0.3143		0.00962	0.0100	-3.8	50.0
1,3-Dichloropropane	Ave	0.5243	0.4037		0.00770	0.0100	-23.0	50.0
2-Hexanone	Ave	0.2283	0.1189		0.0104	0.0200	-47.9	50.0
Chlorodibromomethane	Ave	0.3116	0.2372		0.00761	0.0100	-23.9	50.0
Ethylene Dibromide	Ave	0.3191	0.2249		0.00705	0.0100	-29.5	50.0
Chlorobenzene	Ave	0.9777	0.8884	0.3000	0.00909	0.0100	-9.1	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3450	0.3164		0.00917	0.0100	-8.3	50.0
Ethylbenzene	Ave	0.5145	0.4439		0.00863	0.0100	-13.7	20.0
m-Xylene & p-Xylene	Ave	1.221	1.065		0.00873	0.0100	-12.7	50.0
o-Xylene	Ave	0.6189	0.5515		0.00891	0.0100	-10.9	50.0
Styrene	Ave	1.036	0.9326		0.00900	0.0100	-10.0	50.0
Bromoform	Lin1		0.1319	0.1000	0.00582	0.0100	-41.8	50.0
Isopropylbenzene	Ave	1.463	1.293		0.00883	0.0100	-11.7	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7086	0.4538	0.3000	0.00640	0.0100	-36.0	50.0
Bromobenzene	Ave	0.8274	0.6935		0.00838	0.0100	-16.2	50.0
1,2,3-Trichloropropane	Ave	0.2468	0.1602		0.00649	0.0100	-35.1	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1014	0.0595		0.00587	0.0100	-41.3	50.0
N-Propylbenzene	Ave	0.7286	0.5941		0.00815	0.0100	-18.5	50.0
2-Chlorotoluene	Ave	0.6821	0.5825		0.00854	0.0100	-14.6	50.0
1,3,5-Trimethylbenzene	Ave	2.119	1.790		0.00845	0.0100	-15.5	50.0
4-Chlorotoluene	Ave	2.205	1.880		0.00852	0.0100	-14.8	50.0
tert-Butylbenzene	Ave	1.897	1.421		0.00749	0.0100	-25.1	50.0
1,2,4-Trimethylbenzene	Ave	2.227	1.912		0.00859	0.0100	-14.1	50.0
sec-Butylbenzene	Ave	2.327	1.866		0.00802	0.0100	-19.8	50.0
1,3-Dichlorobenzene	Ave	1.425	1.227		0.00861	0.0100	-13.9	50.0
4-Isopropyltoluene	Ave	2.083	1.725		0.00828	0.0100	-17.2	50.0
1,4-Dichlorobenzene	Ave	1.477	1.269		0.00859	0.0100	-14.1	50.0
n-Butylbenzene	Ave	1.649	1.234		0.00748	0.0100	-25.2	50.0
1,2-Dichlorobenzene	Ave	1.387	1.213		0.00874	0.0100	-12.6	50.0

FORM VII 8260B

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Lab Sample ID: CCVIS 240-372409/2 Calibration Date: 03/20/2019 08:57

Instrument ID: A3UX15 Calib Start Date: 01/21/2019 11:37

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 01/21/2019 13:26

Lab File ID: UXC9483.D Conc. Units: ng/uL 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	0.1611	0.0702		0.00436	0.0100	-56.4*	50.0
1,2,4-Trichlorobenzene	Ave	0.8784	0.6317		0.00719	0.0100	-28.1	50.0
Hexachlorobutadiene	Qua		0.3307		0.00729	0.0100	-27.1	50.0
Naphthalene	Ave	2.209	1.095		0.00495	0.0100	-50.5*	50.0
1,2,3-Trichlorobenzene	Ave	0.7902	0.6036		0.00764	0.0100	-23.6	50.0
Dibromofluoromethane (Surr)	Ave	0.2366	0.2036		0.00686	0.00797	-13.9	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3042	0.2356		0.00617	0.00797	-22.5	50.0
Toluene-d8 (Surr)	Ave	1.214	0.9684		0.00636	0.00797	-20.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4341	0.3375		0.00620	0.00797	-22.2	50.0

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX15\20190320-85329.b\UXC9483.D
Lims ID: CCVIS L4 8260
Client ID:
Sample Type: CCVIS
Inject. Date: 20-Mar-2019 08:57:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085329-002
Misc. Info.: C90320A,8260LLUX15,,43582
Operator ID: Instrument ID: A3UX15
Sublist: chrom-8260_15*sub83

Method: \\chromna\Canton\ChromData\A3UX15\20190320-85329.b\8260_15.m
Limit Group: MSV 8260B ICAL
Last Update: 21-Mar-2019 09:06:05 Calib Date: 21-Jan-2019 19:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8431.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0306

First Level Reviewer: evansle Date: 20-Mar-2019 10:15:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.196	5.196	0.000	99	2032218	10.0	10.0	
* 2 Chlorobenzene-d5	117	7.876	7.876	0.000	86	1564856	10.0	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.117	10.117	0.000	91	944904	10.0	10.0	
$ 4 Dibromofluoromethane (Surr	113	4.639	4.639	0.000	94	329817	7.97	6.86	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.923	4.923	0.000	100	381660	7.97	6.17	
$ 6 Toluene-d8 (Surr)	98	6.560	6.560	0.000	93	1207725	7.97	6.36	
$ 7 4-Bromofluorobenzene (Surr	95	8.991	8.991	0.000	96	420979	7.97	6.20	
9 Dichlorodifluoromethane	85	1.520	1.520	0.000	99	501272	10.0	8.03	
10 Chloromethane	50	1.674	1.674	0.000	99	491339	10.0	7.71	
11 Vinyl chloride	62	1.769	1.769	0.000	98	520098	10.0	8.87	
12 Butadiene	54	1.781	1.781	0.000	99	550179	10.0	7.14	
13 Bromomethane	94	2.053	2.053	0.000	91	394105	10.0	8.40	
14 Chloroethane	64	2.125	2.125	0.000	100	342067	10.0	8.25	
15 Dichlorofluoromethane	67	2.302	2.302	0.000	97	840972	10.0	8.11	
16 Trichlorofluoromethane	101	2.350	2.350	0.000	99	886491	10.0	10.1	
17 Ethyl ether	59	2.563	2.563	0.000	91	365581	10.0	7.79	
18 Acrolein	56	2.694	2.694	0.000	99	220497	50.0	34.2	
19 1,1-Dichloroethene	96	2.777	2.777	0.000	98	491970	10.0	8.06	
20 1,1,2-Trichloro-1,2,2-trif	151	2.789	2.789	0.000	87	457158	10.0	9.12	
22 Acetone	58	2.812	2.812	0.000	100	70613	20.0	13.7	
23 Iodomethane	142	2.907	2.907	0.000	98	951897	10.0	10.0	
24 Carbon disulfide	76	2.967	2.967	0.000	100	1278791	10.0	8.13	
25 3-Chloro-1-propene	76	3.073	3.073	0.000	88	273157	10.0	7.91	
27 Methyl acetate	43	3.085	3.085	0.000	98	513942	20.0	12.3	
28 Methylene Chloride	84	3.180	3.180	0.000	92	603261	10.0	9.48	
29 2-Methyl-2-propanol	59	3.263	3.263	0.000	89	211331	100.0	51.3	
32 Acrylonitrile	53	3.393	3.393	0.000	98	1332068	100.0	68.2	
31 Methyl tert-butyl ether	73	3.405	3.405	0.000	95	996906	10.0	6.26	
30 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	98	564924	10.0	9.94	
33 Hexane	86	3.619	3.619	0.000	94	87317	10.0	7.33	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	3.761	3.761	0.000	96	901309	10.0	9.82	
36 Vinyl acetate	43	3.785	3.785	0.000	97	559949	10.0	5.30	
39 cis-1,2-Dichloroethene	96	4.235	4.235	0.000	81	620969	10.0	9.93	
40 2,2-Dichloropropane	97	4.247	4.247	0.000	81	129445	10.0	10.2	
41 2-Butanone (MEK)	72	4.247	4.247	0.000	98	76608	20.0	11.3	
45 Chlorobromomethane	128	4.449	4.449	0.000	89	296475	10.0	9.53	
46 Tetrahydrofuran	42	4.484	4.484	0.000	89	181148	20.0	10.8	
47 Chloroform	83	4.496	4.496	0.000	93	936632	10.0	10.0	
48 1,1,1-Trichloroethane	97	4.662	4.662	0.000	98	753530	10.0	10.5	
49 Cyclohexane	56	4.710	4.710	0.000	91	697128	10.0	8.59	
51 1,1-Dichloropropene	75	4.793	4.793	0.000	93	672063	10.0	8.82	
50 Carbon tetrachloride	117	4.805	4.805	0.000	97	674472	10.0	9.65	
52 Isobutyl alcohol	41	4.864	4.864	0.000	91	233831	250.0	149.8	
53 Benzene	78	4.971	4.971	0.000	96	2109698	10.0	9.30	
54 1,2-Dichloroethane	62	4.982	4.982	0.000	98	679659	10.0	8.75	
56 n-Heptane	100	5.160	5.160	0.000	87	76019	10.0	7.03	
58 Trichloroethene	130	5.504	5.504	0.000	95	597344	10.0	9.07	
60 Methylcyclohexane	83	5.670	5.670	0.000	90	592709	10.0	8.28	
61 1,2-Dichloropropane	63	5.706	5.706	0.000	95	453705	10.0	8.62	
63 Dibromomethane	93	5.813	5.813	0.000	89	281269	10.0	8.06	
64 1,4-Dioxane	88	5.813	5.813	0.000	84	68931	200.0	160.7	
65 Dichlorobromomethane	83	5.931	5.931	0.000	99	577548	10.0	8.34	
67 2-Chloroethyl vinyl ether	63	6.180	6.180	0.000	94	367620	20.0	10.4	
68 cis-1,3-Dichloropropene	75	6.322	6.322	0.000	94	527309	10.0	6.58	
69 4-Methyl-2-pentanone (MIBK	43	6.453	6.453	0.000	97	568592	20.0	10.4	
70 Toluene	91	6.619	6.619	0.000	98	2099160	10.0	9.09	
71 trans-1,3-Dichloropropene	75	6.809	6.809	0.000	94	433557	10.0	5.96	
72 Ethyl methacrylate	69	6.868	6.868	0.000	89	385427	10.0	5.54	
73 1,1,2-Trichloroethane	97	6.975	6.975	0.000	92	366763	10.0	7.86	
74 Tetrachloroethene	164	7.117	7.117	0.000	96	491749	10.0	9.62	
75 1,3-Dichloropropane	76	7.129	7.129	0.000	93	631741	10.0	7.70	
76 2-Hexanone	43	7.188	7.188	0.000	96	372073	20.0	10.4	
79 Chlorodibromomethane	129	7.342	7.342	0.000	90	371098	10.0	7.61	
80 Ethylene Dibromide	107	7.461	7.461	0.000	97	351885	10.0	7.05	
82 Chlorobenzene	112	7.900	7.900	0.000	99	1390237	10.0	9.09	
83 1,1,1,2-Tetrachloroethane	131	7.971	7.971	0.000	93	495136	10.0	9.17	
84 Ethylbenzene	106	7.995	7.995	0.000	98	694691	10.0	8.63	
85 m-Xylene & p-Xylene	91	8.101	8.101	0.000	93	1667149	10.0	8.73	
86 o-Xylene	106	8.481	8.481	0.000	97	862981	10.0	8.91	
87 Styrene	104	8.493	8.493	0.000	93	1459429	10.0	9.00	
88 Bromoform	173	8.682	8.682	0.000	98	206382	10.0	5.82	
89 Isopropylbenzene	105	8.836	8.836	0.000	95	2022846	10.0	8.83	
93 1,1,2,2-Tetrachloroethane	83	9.121	9.121	0.000	97	428816	10.0	6.40	
92 Bromobenzene	156	9.145	9.145	0.000	88	655326	10.0	8.38	
94 1,2,3-Trichloropropane	110	9.169	9.169	0.000	86	151388	10.0	6.49	
95 trans-1,4-Dichloro-2-buten	53	9.180	9.180	0.000	74	56257	10.0	5.87	
96 N-Propylbenzene	120	9.228	9.228	0.000	98	561394	10.0	8.15	
97 2-Chlorotoluene	126	9.323	9.323	0.000	98	550445	10.0	8.54	
98 1,3,5-Trimethylbenzene	105	9.394	9.394	0.000	94	1691682	10.0	8.45	
99 4-Chlorotoluene	91	9.418	9.418	0.000	98	1776386	10.0	8.52	
101 tert-Butylbenzene	119	9.714	9.714	0.000	92	1342532	10.0	7.49	
103 1,2,4-Trimethylbenzene	105	9.761	9.761	0.000	94	1807082	10.0	8.59	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	9.927	9.927	0.000	94	1762946	10.0	8.02	
106 1,3-Dichlorobenzene	146	10.046	10.046	0.000	98	1158974	10.0	8.61	
107 4-Isopropyltoluene	119	10.070	10.070	0.000	97	1629600	10.0	8.28	
108 1,4-Dichlorobenzene	146	10.141	10.141	0.000	96	1198917	10.0	8.59	
111 n-Butylbenzene	91	10.473	10.473	0.000	97	1165764	10.0	7.48	
112 1,2-Dichlorobenzene	146	10.509	10.509	0.000	98	1145859	10.0	8.74	
113 1,2-Dibromo-3-Chloropropan	157	11.291	11.291	0.000	87	66304	10.0	4.36	
115 1,2,4-Trichlorobenzene	180	12.109	12.109	0.000	94	596862	10.0	7.19	
116 Hexachlorobutadiene	225	12.275	12.275	0.000	92	312520	10.0	7.29	
117 Naphthalene	128	12.358	12.358	0.000	96	1034291	10.0	4.95	
118 1,2,3-Trichlorobenzene	180	12.607	12.607	0.000	95	570321	10.0	7.64	
S 129 Xylenes, Total	106				0		20.0	17.6	
S 130 Trihalomethanes, Total	1				0		40.0	31.8	
S 157 Total BTEX	1		0.000				50.0	ND	

Reagents:

VMRGAS_00285	Amount Added:	8.00	Units: uL	
VMRPRIMW_00326	Amount Added:	8.00	Units: uL	
VMAROLISTDW_00289	Amount Added:	8.00	Units: uL	
vm40ml_vials_00009	Amount Added:	0.00	Units:	Run Reagent
VM50IS_00075	Amount Added:	1.00	Units: uL	Run Reagent
vm50ss_stk_00080	Amount Added:	0.80	Units: uL	Run Reagent
vmDist_H2o_00140	Amount Added:	0.00	Units:	Run Reagent

Report Date: 21-Mar-2019 09:06:06 Chrom Revision: 2.3 13-Mar-2019 09:24:14

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX15\20190320-85329.b\UXC9483.D

Injection Date: 20-Mar-2019 08:57:30 Instrument ID: A3UX15 Operator ID:

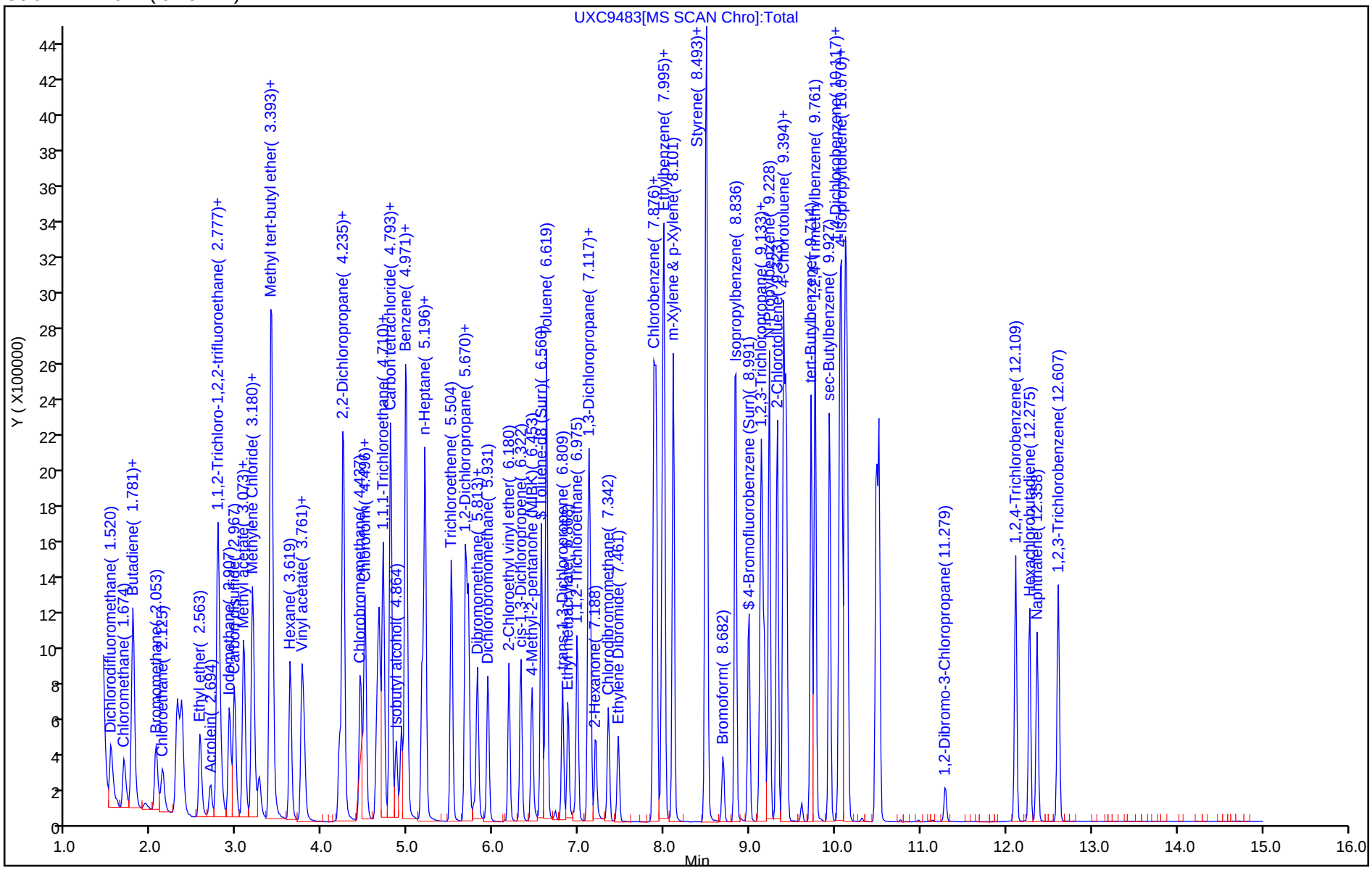
Lims ID: CCVIS L4 8260 Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: 8260_15 Limit Group: MSV 8260B ICAL

Column: DB-624 (0.18 mm)



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

Lab Name: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 367104

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/07/2019 13:09 Calibration End Date: 02/07/2019 15:00 Calibration ID: 49373

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-367104/7	UXJ8026.D
Level 2	STD8260 240-367104/6	UXJ8025.D
Level 3	STD8260 240-367104/5	UXJ8024.D
Level 4	STD8260 240-367104/4	UXJ8023.D
Level 5	STD8260 240-367104/3	UXJ8022.D
Level 6	STD8260 240-367104/2	UXJ8021.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 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2561 0.2965	0.3087	0.3159	0.2838	0.3181	Ave		0.2965				8.0		15.0			
Chloromethane	0.2639 0.2275	0.2688	0.2571	0.2172	0.2275	Ave		0.2437			0.1000	9.1		15.0			
Butadiene	0.2231 0.2211	0.2477	0.2327	0.1982	0.2411	Ave		0.2273				7.7		15.0			
Vinyl chloride	0.2701 0.2501	0.2708	0.2767	0.2462	0.2748	Ave		0.2648				5.0		15.0			
Bromomethane	0.1632 0.1581	0.1890	0.1875	0.1730	0.1786	Ave		0.1749				7.2		15.0			
Chloroethane	0.1115 0.1343	0.1496	0.1465	0.1424	0.1526	Ave		0.1395				10.8		15.0			
Dichlorofluoromethane	0.3612 0.3117	0.3753	0.3677	0.3417	0.3508	Ave		0.3514				6.5		15.0			
Trichlorofluoromethane	0.3705 0.3531	0.3652	0.4043	0.3445	0.3945	Ave		0.3720				6.3		15.0			
Ethyl ether	0.1930 0.1700	0.1835	0.1844	0.1896	0.1946	Ave		0.1858				4.8		15.0			
Acrolein	0.0439 0.0444	0.0477	0.0528	0.0475	0.0503	Ave		0.0478				7.1		15.0			
1,1-Dichloroethene	0.2250 0.2095	0.2341	0.2377	0.2326	0.2395	Ave		0.2297				4.8		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1811 0.1739	0.1966	0.2010	0.2060	0.1992	Ave		0.1930				6.5		15.0			
Acetone	0.1243 0.0933	0.1241	0.1066	0.0942	0.1010	Ave		0.1072				13.1		15.0			
Iodomethane	0.4087 0.3847	0.4067	0.4107	0.4206	0.4165	Ave		0.4080				3.1		15.0			
Carbon disulfide	0.8291 0.6716	0.8391	0.7182	0.7240	0.7387	Ave		0.7535				8.8		15.0			

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: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 367104

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/07/2019 13:09 Calibration End Date: 02/07/2019 15:00 Calibration ID: 49373

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 3	LVL 4	LVL 5		B	M1	M2								
3-Chloro-1-propene	0.1813 0.1508	0.1680	0.1668	0.1680	0.1816	Ave		0.1694				6.7		15.0			
Methyl acetate	0.2287 0.2144	0.2201	0.2459	0.2275	0.2383	Ave		0.2292				5.0		15.0			
Methylene Chloride	0.5096 0.2300	0.3875	0.2958	0.2714	0.2723	Lin1	0.2961	0.2352							0.9950		0.9900
2-Methyl-2-propanol	0.0441 0.0356	0.0392	0.0377	0.0362	0.0395	Ave		0.0387				7.9		15.0			
Acrylonitrile	0.1160 0.1145	0.1217	0.1246	0.1171	0.1243	Ave		0.1197				3.7		15.0			
trans-1,2-Dichloroethene	0.2863 0.2479	0.2811	0.2728	0.2682	0.2837	Ave		0.2733				5.2		15.0			
Methyl tert-butyl ether	0.6061 0.5504	0.6345	0.6206	0.6201	0.6306	Ave		0.6104				5.1		15.0			
Hexane	0.0273 0.0675	0.0359	0.0643	0.0670	0.0711	Lin1	-0.048	0.0705							0.9980		0.9900
1,1-Dichloroethane	0.4752 0.3990	0.4658	0.4289	0.4510	0.4670	Ave		0.4478			0.1000	6.5		15.0			
Vinyl acetate	0.3823 0.4460	0.4155	0.4245	0.4177	0.4413	Ave		0.4212				5.4		15.0			
2,2-Dichloropropane	0.0742 0.0561	0.0707	0.0639	0.0641	0.0671	Ave		0.0660				9.5		15.0			
cis-1,2-Dichloroethene	0.2779 0.2586	0.3025	0.2735	0.2928	0.3019	Ave		0.2845				6.2		15.0			
2-Butanone (MEK)	0.1145 0.1384	0.1443	0.1550	0.1256	0.1327	Ave		0.1351				10.5		15.0			
Chlorobromomethane	0.1533 0.1283	0.1594	0.1443	0.1431	0.1455	Ave		0.1457				7.2		15.0			
Tetrahydrofuran	0.0937 0.0892	0.0870	0.0940	0.0860	0.0939	Ave		0.0906				4.1		15.0			
Chloroform	0.4187 0.3891	0.4465	0.4523	0.4492	0.4466	Ave		0.4338				5.8		15.0			
1,1,1-Trichloroethane	0.4191 0.3332	0.3915	0.3584	0.3779	0.3844	Ave		0.3774				7.8		15.0			
Cyclohexane	0.2959 0.3516	0.3335	0.3536	0.3776	0.3932	Ave		0.3509				9.7		15.0			
1,1-Dichloropropene	0.3410 0.3388	0.3355	0.3288	0.3648	0.3649	Ave		0.3456				4.5		15.0			
Carbon tetrachloride	0.3771 0.3264	0.3538	0.3631	0.3545	0.3679	Ave		0.3572				4.9		15.0			

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: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 367104

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/07/2019 13:09 Calibration End Date: 02/07/2019 15:00 Calibration ID: 49373

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 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	0.0201 0.0189	0.0188	0.0203	0.0190	0.0209	Ave		0.0197				4.5		15.0			
Benzene	1.0033 0.9512	1.0488	0.9813	1.0084	1.0137	Ave		1.0011				3.3		15.0			
1,2-Dichloroethane	0.3636 0.3225	0.3571	0.3445	0.3564	0.3440	Ave		0.3480				4.2		15.0			
n-Heptane	0.0532 0.0561	0.0394	0.0663	0.0573	0.0616	Lin1	-0.009	0.0586							0.9930		0.9900
Trichloroethene	0.3229 0.2740	0.3112	0.2971	0.2881	0.2932	Ave		0.2978				5.8		15.0			
Methylcyclohexane	0.3518 0.3869	0.3966	0.3694	0.3965	0.4296	Ave		0.3885				6.8		15.0			
1,2-Dichloropropane	0.1979 0.2052	0.2205	0.2101	0.2180	0.2083	Ave		0.2100				4.0		15.0			
Dibromomethane	0.1479 0.1403	0.1518	0.1482	0.1474	0.1493	Ave		0.1475				2.6		15.0			
1,4-Dioxane	0.0021 0.0037	0.0023	0.0036	0.0028	0.0033	Lin1	-0.039	0.0036							0.9910		0.9900
Dichlorobromomethane	0.3397 0.3033	0.3234	0.3316	0.3140	0.3093	Ave		0.3202				4.3		15.0			
2-Chloroethyl vinyl ether	0.1068 0.1514	0.1286	0.1429	0.1184	0.1244	Ave		0.1287				12.6		15.0			
cis-1,3-Dichloropropene	0.3057 0.3545	0.3267	0.3461	0.3301	0.3306	Ave		0.3323				5.1		15.0			
4-Methyl-2-pentanone (MIBK)	0.2124 0.2572	0.2218	0.2653	0.2400	0.2479	Ave		0.2408				8.5		15.0			
Toluene	1.4332 1.4707	1.3622	1.4674	1.4473	1.4836	Ave		1.4441				3.0		15.0			
trans-1,3-Dichloropropene	0.4847 0.4784	0.4842	0.4783	0.4458	0.4500	Ave		0.4702				3.7		15.0			
Ethyl methacrylate	0.3475 0.4188	0.3758	0.3944	0.3988	0.4135	Ave		0.3915				6.7		15.0			
1,1,2-Trichloroethane	0.3624 0.2742	0.3027	0.3051	0.2949	0.2806	Ave		0.3033				10.3		15.0			
Tetrachloroethene	0.3266 0.3072	0.3132	0.3417	0.3262	0.3224	Ave		0.3229				3.7		15.0			
1,3-Dichloropropane	0.5058 0.4783	0.4774	0.4948	0.4817	0.4770	Ave		0.4858				2.4		15.0			
2-Hexanone	0.2241 0.2630	0.2662	0.2752	0.2548	0.2705	Ave		0.2590				7.1		15.0			

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: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 367104

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/07/2019 13:09 Calibration End Date: 02/07/2019 15:00 Calibration ID: 49373

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 3	LVL 4	LVL 5		B	M1	M2								
Chlorodibromomethane	0.3113 0.3375	0.3763	0.3706	0.3601	0.3570	Ave		0.3521				6.8		15.0			
Ethylene Dibromide	0.3621 0.3033	0.2878	0.3056	0.3062	0.3105	Ave		0.3126				8.2		15.0			
Chlorobenzene	1.0968 0.9164	0.9427	0.9575	0.9435	0.9510	Ave		0.9680			0.3000	6.7		15.0			
1,1,1,2-Tetrachloroethane	0.4421 0.3288	0.3620	0.3454	0.3664	0.3830	Ave		0.3713				10.6		15.0			
Ethylbenzene	0.5029 0.4881	0.4436	0.5010	0.4714	0.5084	Ave		0.4859				5.1		15.0			
m-Xylene & p-Xylene	0.5018 0.6004	0.4989	0.5786	0.5987	0.6211	Ave		0.5666				9.4		15.0			
o-Xylene	0.4845 0.5684	0.5086	0.5333	0.5884	0.6066	Ave		0.5483				8.7		15.0			
Styrene	0.7740 1.0043	0.8247	0.9335	0.9760	1.0322	Ave		0.9241				11.2		15.0			
Bromoform	0.2683 0.2637	0.2827	0.2965	0.2859	0.2852	Ave		0.2804			0.1000	4.3		15.0			
Isopropylbenzene	1.3016 1.4809	1.2282	1.3930	1.4757	1.5831	Ave		1.4104				9.2		15.0			
Bromobenzene	0.7752 0.7796	0.7507	0.7234	0.7177	0.7506	Ave		0.7495				3.4		15.0			
1,1,2,2-Tetrachloroethane	0.8549 0.8003	0.7913	0.8163	0.7838	0.8193	Ave		0.8110			0.3000	3.2		15.0			
1,2,3-Trichloropropane	0.2749 0.2776	0.3041	0.2874	0.2705	0.2749	Ave		0.2816				4.4		15.0			
trans-1,4-Dichloro-2-butene	0.2483 0.2604	0.2632	0.2915	0.2366	0.2526	Ave		0.2588				7.2		15.0			
N-Propylbenzene	0.6807 0.8566	0.6482	0.7462	0.7870	0.8370	Ave		0.7593				11.0		15.0			
2-Chlorotoluene	0.6217 0.7300	0.6045	0.6908	0.7052	0.7308	Ave		0.6805				8.0		15.0			
1,3,5-Trimethylbenzene	1.8263 2.3213	1.7650	2.0474	2.1790	2.2664	Ave		2.0676				11.2		15.0			
4-Chlorotoluene	0.6198 0.7574	0.6373	0.7346	0.7031	0.7299	Ave		0.6970				8.0		15.0			
tert-Butylbenzene	1.5194 2.0713	1.4757	1.8069	1.7744	1.9643	Ave		1.7687				13.4		15.0			
1,2,4-Trimethylbenzene	1.8163 2.3412	1.7839	2.0647	2.1935	2.3174	Ave		2.0862				11.6		15.0			

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: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 367104

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/07/2019 13:09 Calibration End Date: 02/07/2019 15:00 Calibration ID: 49373

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 3	LVL 4	LVL 5		B	M1	M2								
sec-Butylbenzene	2.2345 2.8648	2.2736	2.4455	2.4879	2.8048	Ave		2.5185				10.5		15.0			
1,3-Dichlorobenzene	1.3721 1.3792	1.3531	1.3430	1.3524	1.3792	Ave		1.3632				1.1		15.0			
4-Isopropyltoluene	1.8926 2.5053	1.9908	2.1641	2.3164	2.5054	Ave		2.2291				11.6		15.0			
1,4-Dichlorobenzene	1.7104 1.3790	1.5194	1.3950	1.3809	1.3892	Ave		1.4623				9.1		15.0			
1,2-Dichlorobenzene	1.2698 1.2958	1.2989	1.2234	1.2284	1.3312	Ave		1.2746				3.3		15.0			
n-Butylbenzene	1.7842 2.0152	1.5898	1.7143	1.8014	2.0030	Ave		1.8180				9.1		15.0			
1,2-Dibromo-3-Chloropropane	0.3467 0.2339	0.2240	0.2456	0.2445	0.2477	Lin1	0.0693	0.2354							0.9980		0.9900
1,2,4-Trichlorobenzene	0.8504 0.8238	0.7825	0.7622	0.7359	0.8577	Ave		0.8021				6.2		15.0			
Hexachlorobutadiene	0.4299 0.3238	0.4004	0.3479	0.3514	0.3693	Ave		0.3705				10.4		15.0			
Naphthalene	2.0320 2.5297	1.9621	1.8141	1.9407	2.5249	Ave		2.1339				14.7		15.0			
1,2,3-Trichlorobenzene	0.7838 0.7673	0.7031	0.7101	0.7051	0.8441	Ave		0.7522				7.5		15.0			
Dibromofluoromethane (Surr)	0.2467 0.2099	0.2246	0.2361	0.2411	0.2415	Ave		0.2333				5.9		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2992 0.2455	0.3054	0.2970	0.2790	0.2681	Ave		0.2824				8.1		15.0			
Toluene-d8 (Surr)	1.1868 1.1915	1.0838	1.1660	1.2217	1.2705	Ave		1.1867				5.2		15.0			
4-Bromofluorobenzene (Surr)	0.3769 0.3566	0.3761	0.4007	0.3903	0.3768	Ave		0.3796				3.9		15.0			

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: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 367104

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/07/2019 13:09 Calibration End Date: 02/07/2019 15:00 Calibration ID: 49373

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-367104/7	UXJ8026.D
Level 2	STD8260 240-367104/6	UXJ8025.D
Level 3	STD8260 240-367104/5	UXJ8024.D
Level 4	STD8260 240-367104/4	UXJ8023.D
Level 5	STD8260 240-367104/3	UXJ8022.D
Level 6	STD8260 240-367104/2	UXJ8021.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	14302 858734	33811	91261	166318	393607	1.00 40.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	14735 658748	29438	74271	127316	281547	1.00 40.0	2.00	5.00	10.0	20.0
Butadiene	FB	Ave	12457 640253	27131	67238	116135	298381	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	15085 724231	29665	79953	144260	339988	1.00 40.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Ave	9111 457891	20704	54178	101367	220958	1.00 40.0	2.00	5.00	10.0	20.0
Chloroethane	FB	Ave	6225 388823	16382	42315	83470	188887	1.00 40.0	2.00	5.00	10.0	20.0
Dichlorofluoromethane	FB	Ave	20171 902632	41103	106239	200231	434053	1.00 40.0	2.00	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	20689 1022513	40004	116801	201892	488108	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl ether	FB	Ave	10777 492212	20099	53290	111089	240821	1.00 40.0	2.00	5.00	10.0	20.0
Acrolein	FB	Ave	12263 642909	26117	76307	139233	311245	5.00 200	10.0	25.0	50.0	100
1,1-Dichloroethene	FB	Ave	12563 606755	25640	68669	136302	296326	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	10111 503676	21536	58077	120721	246455	1.00 40.0	2.00	5.00	10.0	20.0
Acetone	FB	Ave	13879 540581	27192	61588	110371	249848	2.00 80.0	4.00	10.0	20.0	40.0
Iodomethane	FB	Ave	22823 1113991	44542	118663	246503	515391	1.00 40.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	46298 1945109	91902	207524	424295	914051	1.00 40.0	2.00	5.00	10.0	20.0
3-Chloro-1-propene	FB	Ave	10125 436826	18405	48182	98437	224690	1.00 40.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 367104

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/07/2019 13:09 Calibration End Date: 02/07/2019 15:00 Calibration ID: 49373

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methyl acetate	FB	Ave	25546 1242117	48220	142070	266658	589687	2.00 80.0	4.00	10.0	20.0	40.0
Methylene Chloride	FB	Lin1	28456 666164	42445	85471	159040	336958	1.00 40.0	2.00	5.00	10.0	20.0
2-Methyl-2-propanol	FB	Ave	24619 1030644	42922	108992	212100	489028	10.0 400	20.0	50.0	100	200
Acrylonitrile	FB	Ave	64753 3314967	133260	360130	686402	1538522	10.0 400	20.0	50.0	100	200
trans-1,2-Dichloroethene	FB	Ave	15989 717821	30791	78810	157177	351024	1.00 40.0	2.00	5.00	10.0	20.0
Methyl tert-butyl ether	FB	Ave	33845 1594022	69489	179324	363372	780350	1.00 40.0	2.00	5.00	10.0	20.0
Hexane	FB	Lin1	1522 195544	3932	18570	39284	87974	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	26535 1155574	51015	123928	264327	577900	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	21348 1291718	45507	122657	244809	546119	1.00 40.0	2.00	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	4143 162380	7740	18470	37577	83030	1.00 40.0	2.00	5.00	10.0	20.0
cis-1,2-Dichloroethene	FB	Ave	15518 748792	33131	79034	171580	373545	1.00 40.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	12784 801645	31612	89550	147163	328459	2.00 80.0	4.00	10.0	20.0	40.0
Chlorobromomethane	FB	Ave	8562 371594	17457	41697	83844	180067	1.00 40.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	10465 516929	19047	54325	100847	232324	2.00 80.0	4.00	10.0	20.0	40.0
Chloroform	FB	Ave	23384 1126807	48908	130678	263272	552690	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	23404 964948	42875	103539	221456	475687	1.00 40.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	16522 1018178	36529	102175	221283	486587	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	19040 981099	36750	95002	213777	451488	1.00 40.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	21059 945383	38755	104922	207777	455300	1.00 40.0	2.00	5.00	10.0	20.0
Isobutyl alcohol	CBNZ d5	Ave	17638 920911	35587	100691	178315	411928	25.0 1000	50.0	125	250	500
Benzene	FB	Ave	56029 2754879	114875	283539	590944	1254314	1.00 40.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 367104

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/07/2019 13:09 Calibration End Date: 02/07/2019 15:00 Calibration ID: 49373

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichloroethane	FB	Ave	20305 933881	39111	99528	208883	425614	1.00 40.0	2.00	5.00	10.0	20.0
n-Heptane	FB	Lin1	2973 162413	4317	19161	33582	76210	1.00 40.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	18033 793578	34086	85827	168836	362851	1.00 40.0	2.00	5.00	10.0	20.0
Methylcyclohexane	FB	Ave	19643 1120599	43436	106738	232379	531548	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	11053 594323	24147	60714	127764	257754	1.00 40.0	2.00	5.00	10.0	20.0
Dibromomethane	FB	Ave	8259 406414	16623	42824	86362	184789	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dioxane	FB	Lin1	2371 216961	5017	20834	33357	81643	20.0 800	40.0	100	200	400
Dichlorobromomethane	FB	Ave	18968 878356	35418	95815	184018	382766	1.00 40.0	2.00	5.00	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	11930 876953	28161	82558	138767	307879	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	17074 1026562	35784	99988	193425	409067	1.00 40.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	23723 1489645	48587	153307	281355	613490	2.00 80.0	4.00	10.0	20.0	40.0
Toluene	CBNZ d5	Ave	50368 2872531	103151	290746	543872	1170735	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	17032 934338	36666	94776	167511	355082	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBNZ d5	Ave	12213 818004	28459	78145	149850	326308	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBNZ d5	Ave	12734 535501	22922	60454	110808	221396	1.00 40.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBNZ d5	Ave	11477 600080	23718	67708	122571	254413	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBNZ d5	Ave	17776 934162	36153	98029	181024	376403	1.00 40.0	2.00	5.00	10.0	20.0
2-Hexanone	CBNZ d5	Ave	15753 1027463	40322	109052	191478	426962	2.00 80.0	4.00	10.0	20.0	40.0
Chlorodibromomethane	CBNZ d5	Ave	10939 659131	28493	73418	135325	281679	1.00 40.0	2.00	5.00	10.0	20.0
Ethylene Dibromide	CBNZ d5	Ave	12725 592368	21792	60552	115065	245052	1.00 40.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBNZ d5	Ave	38544 1789883	71386	189707	354543	750415	1.00 40.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 367104

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/07/2019 13:09 Calibration End Date: 02/07/2019 15:00 Calibration ID: 49373

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	15538 642189	27415	68426	137694	302221	1.00 40.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBNZ d5	Ave	17672 953361	33590	99260	177149	401219	1.00 40.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBNZ d5	Ave	17633 1172678	37781	114642	225000	490117	1.00 40.0	2.00	5.00	10.0	20.0
o-Xylene	CBNZ d5	Ave	17027 1110191	38511	105654	221095	478708	1.00 40.0	2.00	5.00	10.0	20.0
Styrene	CBNZ d5	Ave	27201 1961423	62454	184963	366782	814512	1.00 40.0	2.00	5.00	10.0	20.0
Bromoform	CBNZ d5	Ave	9430 515031	21407	58743	107418	225037	1.00 40.0	2.00	5.00	10.0	20.0
Isopropylbenzene	CBNZ d5	Ave	45741 2892282	93008	276000	554538	1249226	1.00 40.0	2.00	5.00	10.0	20.0
Bromobenzene	DCBd 4	Ave	14505 744364	30472	77365	149296	318510	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	15997 764142	32123	87302	163051	347666	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCBd 4	Ave	5144 265100	12345	30733	56270	116642	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	4646 248656	10685	31177	49221	107185	1.00 40.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCBd 4	Ave	12737 817872	26311	79799	163725	355179	1.00 40.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCBd 4	Ave	11634 697021	24540	73878	146693	310087	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	34175 2216449	71649	218959	453276	961736	1.00 40.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCBd 4	Ave	11598 723168	25871	78564	146255	309733	1.00 40.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCBd 4	Ave	28431 1977723	59904	193232	369118	833511	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	33988 2235448	72413	220805	456294	983336	1.00 40.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCBd 4	Ave	41813 2735311	92291	261531	517546	1190193	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCBd 4	Ave	25676 1316887	54925	143622	281323	585237	1.00 40.0	2.00	5.00	10.0	20.0
4-Isopropyltoluene	DCBd 4	Ave	35416 2392076	80813	231439	481868	1063145	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCBd 4	Ave	32006 1316655	61678	149185	287252	589475	1.00 40.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 367104

SDG No.:

Instrument ID: A3UX11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/07/2019 13:09 Calibration End Date: 02/07/2019 15:00 Calibration ID: 49373

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichlorobenzene	DCBd 4	Ave	23761 1237285	52725	130837	255531	564881	1.00 40.0	2.00	5.00	10.0	20.0
n-Butylbenzene	DCBd 4	Ave	33386 1924106	64537	183328	374733	849937	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Lin1	6487 223296	9092	26261	50852	105103	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	15913 786571	31765	81516	153092	363972	1.00 40.0	2.00	5.00	10.0	20.0
Hexachlorobutadiene	DCBd 4	Ave	8045 309212	16252	37204	73104	156722	1.00 40.0	2.00	5.00	10.0	20.0
Naphthalene	DCBd 4	Ave	38023 2415397	79647	194010	403718	1071425	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	14666 732633	28542	75944	146668	358175	1.00 40.0	2.00	5.00	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	13778 607914	24605	68214	141317	298829	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	16708 711134	33449	85806	163525	331727	1.00 40.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBNZ d5	Ave	41706 2327197	82074	231027	459092	1002587	1.00 40.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	13244 696421	28481	79386	146668	297359	1.00 40.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8021.D
Lims ID: STD8260 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-Feb-2019 13:09:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0084305-002
Misc. Info.: J90207A-IC,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11
Sublist: chrom-8260_11*sub78

Method: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 08-Feb-2019 09:14:31 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: evansle Date: 08-Feb-2019 08:04:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.647	4.659	-0.012	94	1448052	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.297	7.309	-0.012	82	976557	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	91	477407	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.091	4.103	-0.012	95	607914	40.0	36.0	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.363	4.375	-0.012	80	711134	40.0	34.8	
$ 6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	92	2327197	40.0	40.2	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	86	696421	40.0	37.6	
9 Dichlorodifluoromethane	85	1.156	1.168	-0.012	100	858734	40.0	40.0	
10 Chloromethane	50	1.298	1.310	-0.012	100	658748	40.0	37.3	
13 Butadiene	54	1.357	1.369	-0.012	97	640253	40.0	38.9	
12 Vinyl chloride	62	1.369	1.393	-0.024	98	724231	40.0	37.8	
15 Bromomethane	94	1.570	1.606	-0.036	91	457891	40.0	36.2	
16 Chloroethane	64	1.641	1.665	-0.024	100	388823	40.0	38.5	
17 Dichlorofluoromethane	67	1.795	1.807	-0.012	98	902632	40.0	35.5	
18 Trichlorofluoromethane	101	1.843	1.831	0.012	99	1022513	40.0	38.0	
19 Ethyl ether	59	2.056	2.067	-0.011	89	492212	40.0	36.6	
20 Acrolein	56	2.150	2.162	-0.012	99	642909	200.0	185.9	
21 1,1-Dichloroethene	96	2.233	2.245	-0.012	98	606755	40.0	36.5	
22 1,1,2-Trichloro-1,2,2-trif	151	2.257	2.280	-0.023	90	503676	40.0	36.1	
23 Acetone	43	2.280	2.292	-0.012	100	540581	80.0	69.6	
25 Iodomethane	142	2.351	2.363	-0.012	96	1113991	40.0	37.7	
26 Carbon disulfide	76	2.399	2.411	-0.011	99	1945109	40.0	35.7	
28 3-Chloro-1-propene	76	2.529	2.541	-0.012	88	436826	40.0	35.6	
29 Methyl acetate	43	2.552	2.564	-0.012	97	1242117	80.0	74.9	
30 Methylene Chloride	84	2.635	2.647	-0.012	88	666164	40.0	37.9	
31 2-Methyl-2-propanol	59	2.765	2.754	0.011	97	1030644	400.0	367.7	
32 Acrylonitrile	53	2.836	2.848	-0.012	98	3314967	400.0	382.5	
34 trans-1,2-Dichloroethene	96	2.860	2.872	-0.012	98	717821	40.0	36.3	
33 Methyl tert-butyl ether	73	2.872	2.884	-0.012	94	1594022	40.0	36.1	
35 Hexane	86	3.097	3.109	-0.012	92	195544	40.0	39.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 1,1-Dichloroethane	63	3.203	3.215	-0.012	97	1155574	40.0	35.6	
37 Vinyl acetate	43	3.262	3.274	-0.012	97	1291718	40.0	42.4	
41 cis-1,2-Dichloroethene	96	3.688	3.700	-0.012	82	748792	40.0	36.3	
43 2,2-Dichloropropane	97	3.688	3.700	-0.012	59	162380	40.0	34.0	
42 2-Butanone (MEK)	43	3.712	3.712	0.000	98	801645	80.0	82.0	
47 Chlorobromomethane	128	3.890	3.890	0.000	90	371594	40.0	35.2	
48 Tetrahydrofuran	42	3.925	3.937	-0.012	84	516929	80.0	78.8	
49 Chloroform	83	3.961	3.961	0.000	94	1126807	40.0	35.9	
50 1,1,1-Trichloroethane	97	4.114	4.114	0.000	98	964948	40.0	35.3	
51 Cyclohexane	56	4.150	4.162	-0.012	88	1018178	40.0	40.1	
53 Carbon tetrachloride	117	4.245	4.256	-0.011	90	945383	40.0	36.6	
52 1,1-Dichloropropene	75	4.245	4.256	-0.011	95	981099	40.0	39.2	
54 Isobutyl alcohol	41	4.363	4.363	0.000	93	920911	1000.0	959.6	
55 Benzene	78	4.422	4.422	0.000	95	2754879	40.0	38.0	
56 1,2-Dichloroethane	62	4.434	4.434	0.000	98	933881	40.0	37.1	
58 n-Heptane	100	4.659	4.659	0.000	71	162413	40.0	38.5	
60 Trichloroethene	130	4.966	4.966	0.000	94	793578	40.0	36.8	
62 Methylcyclohexane	83	5.120	5.132	-0.012	89	1120599	40.0	39.8	
63 1,2-Dichloropropane	63	5.144	5.156	-0.012	95	594323	40.0	39.1	
65 Dibromomethane	93	5.250	5.250	0.000	90	406414	40.0	38.1	
66 1,4-Dioxane	88	5.274	5.274	0.000	91	216961	800.0	843.3	
67 Dichlorobromomethane	83	5.381	5.392	-0.011	99	878356	40.0	37.9	
69 2-Chloroethyl vinyl ether	63	5.653	5.653	0.000	92	876953	80.0	94.1	
70 cis-1,3-Dichloropropene	75	5.771	5.771	0.000	96	1026562	40.0	42.7	
71 4-Methyl-2-pentanone (MIBK	43	5.913	5.913	0.000	96	1489645	80.0	85.5	
72 Toluene	91	6.067	6.067	0.000	99	2872531	40.0	40.7	
73 trans-1,3-Dichloropropene	75	6.268	6.268	0.000	92	934338	40.0	40.7	
74 Ethyl methacrylate	69	6.351	6.363	-0.012	88	818004	40.0	42.8	
75 1,1,2-Trichloroethane	97	6.422	6.422	0.000	92	535501	40.0	36.2	
76 Tetrachloroethene	164	6.552	6.552	0.000	98	600080	40.0	38.1	
77 1,3-Dichloropropane	76	6.576	6.576	0.000	88	934162	40.0	39.4	
78 2-Hexanone	43	6.659	6.659	0.000	95	1027463	80.0	81.3	
80 Chlorodibromomethane	129	6.777	6.777	0.000	90	659131	40.0	38.3	
82 Ethylene Dibromide	107	6.872	6.872	0.000	99	592368	40.0	38.8	
84 Chlorobenzene	112	7.333	7.333	0.000	98	1789883	40.0	37.9	
85 1,1,1,2-Tetrachloroethane	131	7.404	7.404	0.000	96	642189	40.0	35.4	
86 Ethylbenzene	106	7.439	7.439	0.000	97	953361	40.0	40.2	
87 m-Xylene & p-Xylene	106	7.546	7.546	0.000	97	1172678	40.0	42.4	
88 o-Xylene	106	7.913	7.913	0.000	96	1110191	40.0	41.5	
89 Styrene	104	7.925	7.925	0.000	94	1961423	40.0	43.5	
90 Bromoform	173	8.090	8.090	0.000	98	515031	40.0	37.6	
91 Isopropylbenzene	105	8.268	8.268	0.000	95	2892282	40.0	42.0	
95 Bromobenzene	156	8.540	8.540	0.000	88	744364	40.0	41.6	
94 1,1,2,2-Tetrachloroethane	83	8.552	8.552	0.000	94	764142	40.0	39.5	
96 1,2,3-Trichloropropane	110	8.587	8.587	0.000	86	265100	40.0	39.4	
97 trans-1,4-Dichloro-2-buten	53	8.611	8.611	0.000	80	248656	40.0	40.3	
98 N-Propylbenzene	120	8.658	8.658	0.000	99	817872	40.0	45.1	
99 2-Chlorotoluene	126	8.741	8.741	0.000	98	697021	40.0	42.9	
100 1,3,5-Trimethylbenzene	105	8.836	8.836	0.000	96	2216449	40.0	44.9	
101 4-Chlorotoluene	126	8.848	8.848	0.000	98	723168	40.0	43.5	
102 tert-Butylbenzene	119	9.143	9.155	-0.012	91	1977723	40.0	46.8	
104 1,2,4-Trimethylbenzene	105	9.191	9.191	0.000	95	2235448	40.0	44.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	9.356	9.356	0.000	93	2735311	40.0	45.5	
106 1,3-Dichlorobenzene	146	9.451	9.451	0.000	99	1316887	40.0	40.5	
107 4-Isopropyltoluene	119	9.510	9.510	0.000	97	2392076	40.0	45.0	
108 1,4-Dichlorobenzene	146	9.546	9.546	0.000	97	1316655	40.0	37.7	
111 n-Butylbenzene	91	9.901	9.901	0.000	97	1924106	40.0	44.3	
112 1,2-Dichlorobenzene	146	9.901	9.901	0.000	98	1237285	40.0	40.7	
114 1,2-Dibromo-3-Chloropropan	157	10.670	10.670	0.000	93	223296	40.0	39.4	
116 1,2,4-Trichlorobenzene	180	11.486	11.486	0.000	93	786571	40.0	41.1	
117 Hexachlorobutadiene	225	11.676	11.676	0.000	96	309212	40.0	35.0	
118 Naphthalene	128	11.723	11.723	0.000	96	2415397	40.0	47.4	
119 1,2,3-Trichlorobenzene	180	11.960	11.960	0.000	94	732633	40.0	40.8	
S 133 Trihalomethanes, Total	1				0		160.0	149.7	
S 159 Total BTEX	1				0		200.0	202.8	
S 130 1,2-Dichloroethene, Total	96				0			72.6	
S 131 1,3-Dichloropropene, Total	75				0			83.4	
S 132 Xylenes, Total	106				0		80.0	83.9	

Reagents:

VMRGAS_00281	Amount Added:	32.00	Units: uL
vm50ss_stk_00079	Amount Added:	32.00	Units: uL
vm50is_stk_A_00002	Amount Added:	2.00	Units: uL
VMRPRIMW_00320	Amount Added:	32.00	Units: uL
VMAROLISTDW_00283	Amount Added:	32.00	Units: uL

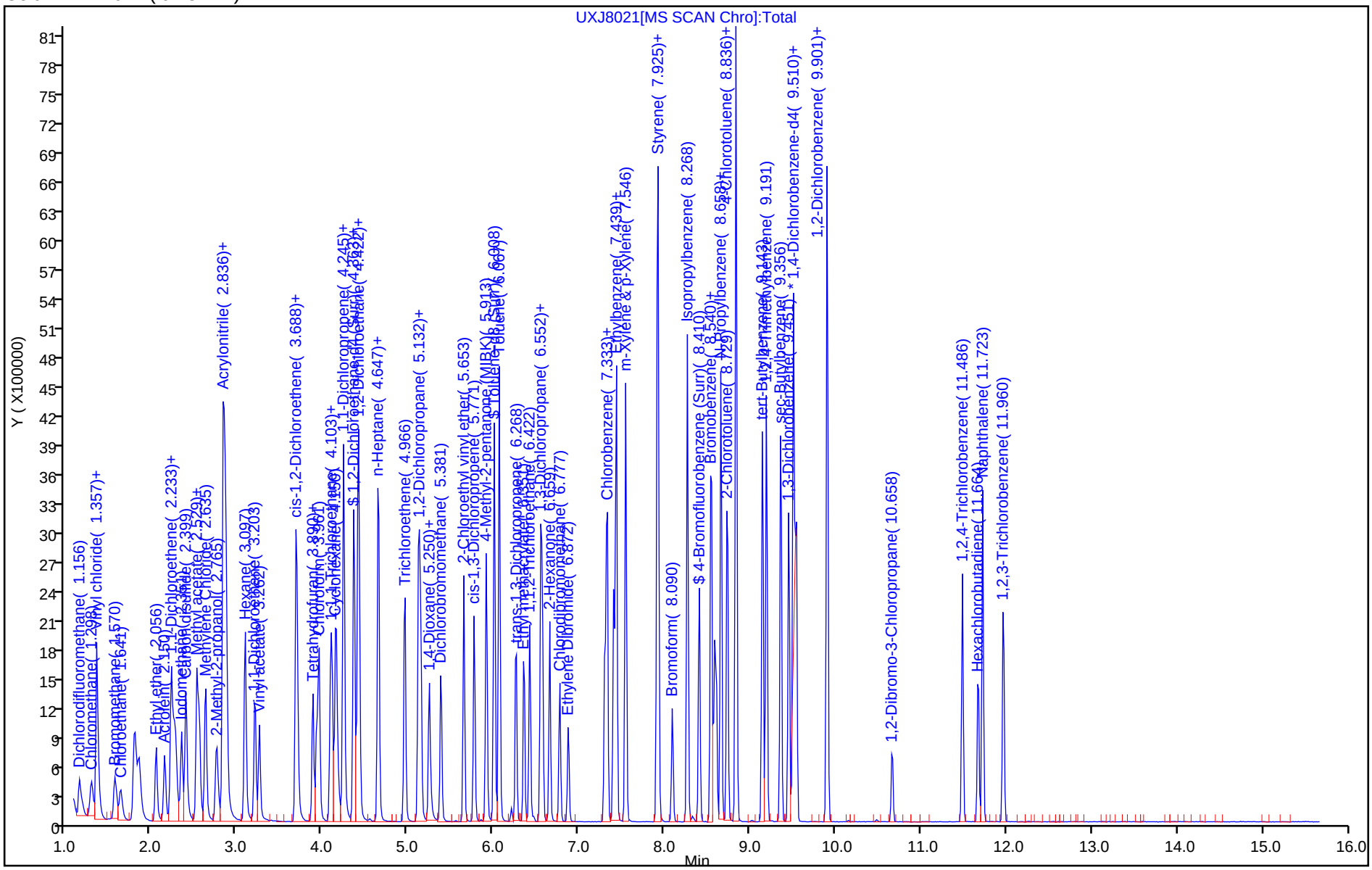
Report Date: 08-Feb-2019 09:14:32 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8021.D

Injection Date:	07-Feb-2019 13:09:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	STD8260 L6			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8022.D
Lims ID: STD8260 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 07-Feb-2019 13:31:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0084305-003
Misc. Info.: J90207A-IC,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11
Sublist: chrom-8260_11*sub78

Method: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 08-Feb-2019 09:14:37 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0324

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.659	4.659	0.000	97	1237419	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.309	7.309	0.000	82	789116	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	94	424336	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.091	4.103	-0.012	97	298829	20.0	20.7	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.375	4.375	0.000	95	331727	20.0	19.0	
$ 6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	92	1002587	20.0	21.4	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	87	297359	20.0	19.9	
9 Dichlorodifluoromethane	85	1.168	1.168	0.000	99	393607	20.0	21.5	
10 Chloromethane	50	1.322	1.310	0.012	99	281547	20.0	18.7	
13 Butadiene	54	1.369	1.369	0.000	97	298381	20.0	21.2	
12 Vinyl chloride	62	1.393	1.393	0.000	98	339988	20.0	20.8	
15 Bromomethane	94	1.594	1.606	-0.012	90	220958	20.0	20.4	
16 Chloroethane	64	1.653	1.665	-0.012	99	188887	20.0	21.9	
17 Dichlorofluoromethane	67	1.807	1.807	0.000	99	434053	20.0	20.0	
18 Trichlorofluoromethane	101	1.830	1.831	-0.001	99	488108	20.0	21.2	
19 Ethyl ether	59	2.067	2.067	0.000	89	240821	20.0	20.9	
20 Acrolein	56	2.162	2.162	0.000	99	311245	100.0	105.3	
21 1,1-Dichloroethene	96	2.245	2.245	0.000	98	296326	20.0	20.8	
22 1,1,2-Trichloro-1,2,2-trif	151	2.280	2.280	0.000	90	246455	20.0	20.6	
23 Acetone	43	2.292	2.292	0.000	99	249848	40.0	37.7	
25 Iodomethane	142	2.363	2.363	0.000	98	515391	20.0	20.4	
26 Carbon disulfide	76	2.410	2.411	0.000	99	914051	20.0	19.6	
28 3-Chloro-1-propene	76	2.540	2.541	-0.001	88	224690	20.0	21.4	
29 Methyl acetate	43	2.564	2.564	0.000	97	589687	40.0	41.6	
30 Methylene Chloride	84	2.635	2.647	-0.012	87	336958	20.0	21.9	
31 2-Methyl-2-propanol	59	2.753	2.754	-0.001	95	489028	200.0	204.2	
32 Acrylonitrile	53	2.848	2.848	0.000	99	1538522	200.0	207.7	
34 trans-1,2-Dichloroethene	96	2.872	2.872	0.000	98	351024	20.0	20.8	
33 Methyl tert-butyl ether	73	2.884	2.884	0.000	96	780350	20.0	20.7	
35 Hexane	86	3.108	3.109	-0.001	91	87974	20.0	20.8	
36 1,1-Dichloroethane	63	3.215	3.215	0.000	96	577900	20.0	20.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	3.262	3.274	-0.012	97	546119	20.0	21.0	
43 2,2-Dichloropropane	97	3.700	3.700	0.000	61	83030	20.0	20.3	
41 cis-1,2-Dichloroethene	96	3.700	3.700	0.000	81	373545	20.0	21.2	
42 2-Butanone (MEK)	43	3.712	3.712	0.000	98	328459	40.0	39.3	
47 Chlorobromomethane	128	3.889	3.890	-0.001	92	180067	20.0	20.0	
48 Tetrahydrofuran	42	3.937	3.937	0.000	85	232324	40.0	41.4	
49 Chloroform	83	3.960	3.961	-0.001	94	552690	20.0	20.6	
50 1,1,1-Trichloroethane	97	4.114	4.114	0.000	98	475687	20.0	20.4	
51 Cyclohexane	56	4.162	4.162	0.000	87	486587	20.0	22.4	
52 1,1-Dichloropropene	75	4.256	4.256	0.000	96	451488	20.0	21.1	
53 Carbon tetrachloride	117	4.256	4.256	0.000	91	455300	20.0	20.6	
54 Isobutyl alcohol	41	4.363	4.363	0.000	94	411928	500.0	531.2	
55 Benzene	78	4.422	4.422	0.000	95	1254314	20.0	20.3	
56 1,2-Dichloroethane	62	4.434	4.434	0.000	98	425614	20.0	19.8	
58 n-Heptane	100	4.659	4.659	0.000	53	76210	20.0	21.2	
60 Trichloroethene	130	4.966	4.966	0.000	94	362851	20.0	19.7	
62 Methylcyclohexane	83	5.132	5.132	0.000	89	531548	20.0	22.1	
63 1,2-Dichloropropane	63	5.156	5.156	0.000	94	257754	20.0	19.8	
65 Dibromomethane	93	5.250	5.250	0.000	90	184789	20.0	20.3	
66 1,4-Dioxane	88	5.274	5.274	0.000	89	81643	400.0	377.5	
67 Dichlorobromomethane	83	5.392	5.392	0.000	99	382766	20.0	19.3	
69 2-Chloroethyl vinyl ether	63	5.653	5.653	0.000	92	307879	40.0	38.7	
70 cis-1,3-Dichloropropene	75	5.771	5.771	0.000	96	409067	20.0	19.9	
71 4-Methyl-2-pentanone (MIBK	43	5.913	5.913	0.000	96	613490	40.0	41.2	
72 Toluene	91	6.067	6.067	0.000	99	1170735	20.0	20.5	
73 trans-1,3-Dichloropropene	75	6.268	6.268	0.000	91	355082	20.0	19.1	
74 Ethyl methacrylate	69	6.363	6.363	-0.001	88	326308	20.0	21.1	
75 1,1,2-Trichloroethane	97	6.422	6.422	0.000	91	221396	20.0	18.5	
76 Tetrachloroethene	164	6.552	6.552	0.000	97	254413	20.0	20.0	
77 1,3-Dichloropropane	76	6.575	6.576	-0.001	89	376403	20.0	19.6	
78 2-Hexanone	43	6.658	6.659	-0.001	97	426962	40.0	41.8	
80 Chlorodibromomethane	129	6.777	6.777	0.000	89	281679	20.0	20.3	
82 Ethylene Dibromide	107	6.871	6.872	-0.001	96	245052	20.0	19.9	
84 Chlorobenzene	112	7.333	7.333	0.000	97	750415	20.0	19.6	
85 1,1,1,2-Tetrachloroethane	131	7.404	7.404	0.000	96	302221	20.0	20.6	
86 Ethylbenzene	106	7.439	7.439	0.000	98	401219	20.0	20.9	
87 m-Xylene & p-Xylene	106	7.546	7.546	0.000	98	490117	20.0	21.9	
88 o-Xylene	106	7.913	7.913	0.000	96	478708	20.0	22.1	
89 Styrene	104	7.924	7.925	-0.001	93	814512	20.0	22.3	
90 Bromoform	173	8.090	8.090	0.000	98	225037	20.0	20.3	
91 Isopropylbenzene	105	8.268	8.268	0.000	95	1249226	20.0	22.4	
95 Bromobenzene	156	8.552	8.540	0.012	95	318510	20.0	20.0	
94 1,1,2,2-Tetrachloroethane	83	8.552	8.552	0.000	96	347666	20.0	20.2	
96 1,2,3-Trichloropropane	110	8.587	8.587	0.000	85	116642	20.0	19.5	
97 trans-1,4-Dichloro-2-buten	53	8.611	8.611	0.000	80	107185	20.0	19.5	
98 N-Propylbenzene	120	8.658	8.658	0.000	99	355179	20.0	22.0	
99 2-Chlorotoluene	126	8.741	8.741	0.000	98	310087	20.0	21.5	
100 1,3,5-Trimethylbenzene	105	8.836	8.836	0.000	90	961736	20.0	21.9	
101 4-Chlorotoluene	126	8.836	8.848	-0.012	94	309733	20.0	20.9	
102 tert-Butylbenzene	119	9.143	9.155	-0.012	91	833511	20.0	22.2	
104 1,2,4-Trimethylbenzene	105	9.191	9.191	0.000	96	983336	20.0	22.2	
105 sec-Butylbenzene	105	9.356	9.356	0.000	93	1190193	20.0	22.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	9.451	9.451	0.000	97	585237	20.0	20.2	
107 4-Isopropyltoluene	119	9.510	9.510	0.000	97	1063145	20.0	22.5	
108 1,4-Dichlorobenzene	146	9.546	9.546	0.000	96	589475	20.0	19.0	
112 1,2-Dichlorobenzene	146	9.901	9.901	0.000	97	564881	20.0	20.9	
111 n-Butylbenzene	91	9.901	9.901	0.000	97	849937	20.0	22.0	
114 1,2-Dibromo-3-Chloropropan	157	10.670	10.670	0.000	90	105103	20.0	20.8	
116 1,2,4-Trichlorobenzene	180	11.486	11.486	0.000	93	363972	20.0	21.4	
117 Hexachlorobutadiene	225	11.675	11.676	-0.001	95	156722	20.0	19.9	
118 Naphthalene	128	11.723	11.723	0.000	96	1071425	20.0	23.7	
119 1,2,3-Trichlorobenzene	180	11.971	11.960	0.011	95	358175	20.0	22.4	
S 159 Total BTEX	1				0		100.0	105.8	
S 133 Trihalomethanes, Total	1				0		80.0	80.5	
S 130 1,2-Dichloroethene, Total	96				0			42.0	
S 131 1,3-Dichloropropene, Total	75				0			39.0	
S 132 Xylenes, Total	106				0		40.0	44.1	

Reagents:

VMRGAS_00281	Amount Added:	16.00	Units: uL
vm50ss_stk_00079	Amount Added:	16.00	Units: uL
vm50is_stk_A_00002	Amount Added:	2.00	Units: uL
VMRPRIMW_00320	Amount Added:	16.00	Units: uL
VMAROLISTDW_00283	Amount Added:	16.00	Units: uL

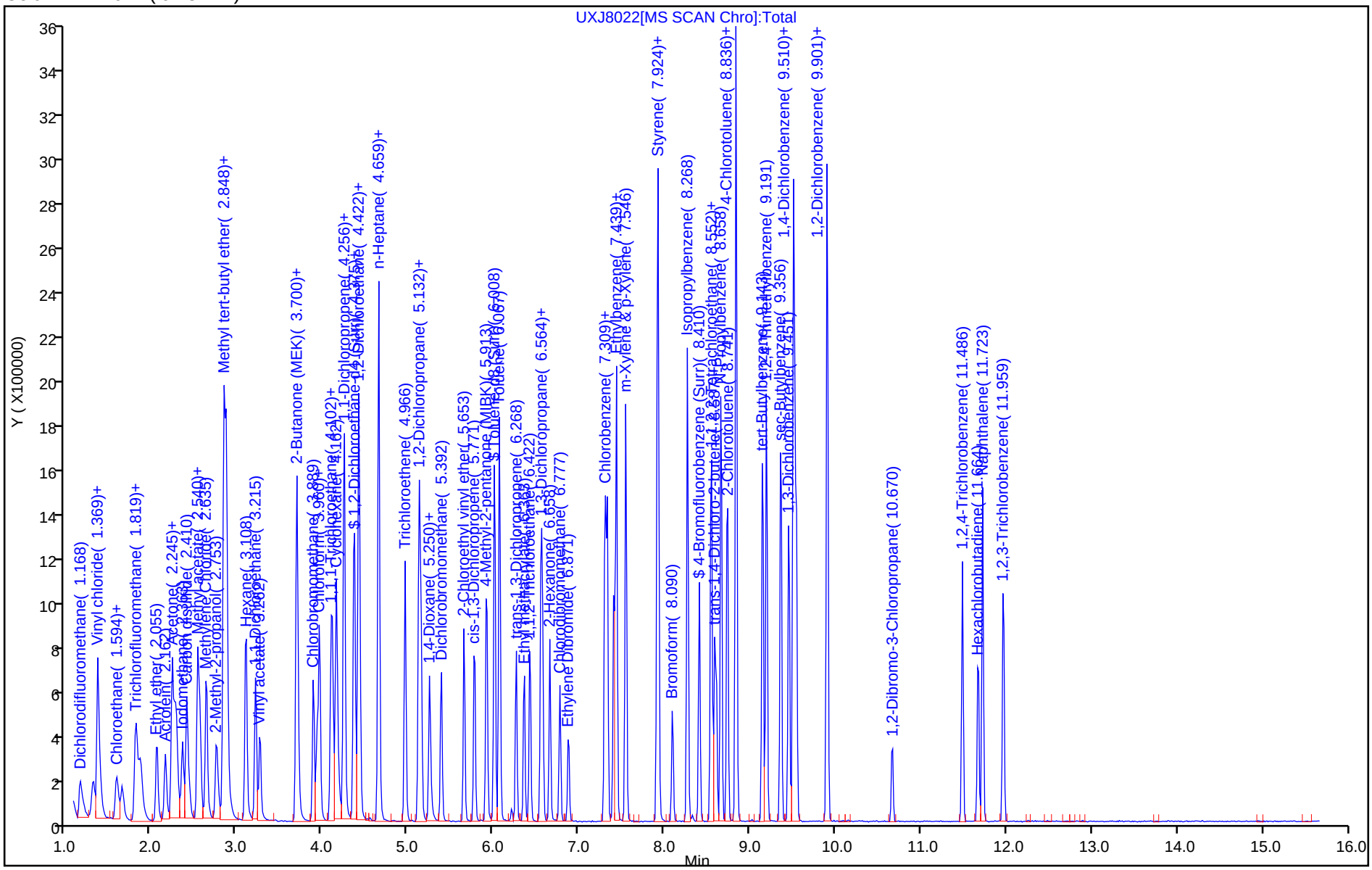
Report Date: 08-Feb-2019 09:14:38 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8022.D

Injection Date:	07-Feb-2019 13:31:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	STD8260 L5			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8023.D
Lims ID: STD8260 L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 07-Feb-2019 13:53:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0084305-004
Misc. Info.: J90207A-IC,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11
Sublist: chrom-8260_11*sub78

Method: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 08-Feb-2019 09:14:43 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: evansle Date: 08-Feb-2019 07:55:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.659	4.659	0.000	99	1172070	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.309	7.309	0.000	77	751566	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	92	416048	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.103	4.103	0.000	93	141317	10.0	10.3	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.375	4.375	0.000	74	163525	10.0	9.88	
$ 6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	81	459092	10.0	10.3	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	86	146668	10.0	10.3	
9 Dichlorodifluoromethane	85	1.168	1.168	0.000	96	166318	10.0	9.57	
10 Chloromethane	50	1.310	1.310	0.000	69	127316	10.0	8.92	
13 Butadiene	54	1.369	1.369	0.000	92	116135	10.0	8.72	
12 Vinyl chloride	62	1.393	1.393	0.000	81	144260	10.0	9.30	
15 Bromomethane	94	1.606	1.606	0.000	84	101367	10.0	9.89	
16 Chloroethane	64	1.665	1.665	0.000	85	83470	10.0	10.2	
17 Dichlorofluoromethane	67	1.807	1.807	0.000	95	200231	10.0	9.72	
18 Trichlorofluoromethane	101	1.831	1.831	0.000	86	201892	10.0	9.26	
19 Ethyl ether	59	2.067	2.067	0.000	85	111089	10.0	10.2	
20 Acrolein	56	2.162	2.162	0.000	88	139233	50.0	49.7	
21 1,1-Dichloroethene	96	2.245	2.245	0.000	93	136302	10.0	10.1	
22 1,1,2-Trichloro-1,2,2-trif	151	2.280	2.280	0.000	84	120721	10.0	10.7	
23 Acetone	43	2.292	2.292	0.000	94	110371	20.0	17.6	
25 Iodomethane	142	2.363	2.363	0.000	95	246503	10.0	10.3	
26 Carbon disulfide	76	2.411	2.411	0.000	98	424295	10.0	9.61	
28 3-Chloro-1-propene	76	2.541	2.541	0.000	79	98437	10.0	9.91	
29 Methyl acetate	43	2.564	2.564	0.000	97	266658	20.0	19.9	
30 Methylene Chloride	84	2.647	2.647	0.000	79	159040	10.0	10.3	
31 2-Methyl-2-propanol	59	2.754	2.754	0.000	88	212100	100.0	93.5	
32 Acrylonitrile	53	2.848	2.848	0.000	100	686402	100.0	97.9	
34 trans-1,2-Dichloroethene	96	2.872	2.872	0.000	92	157177	10.0	9.81	
33 Methyl tert-butyl ether	73	2.884	2.884	0.000	89	363372	10.0	10.2	
35 Hexane	86	3.109	3.109	0.000	90	39284	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 1,1-Dichloroethane	63	3.215	3.215	0.000	96	264327	10.0	10.1	
37 Vinyl acetate	43	3.274	3.274	0.000	95	244809	10.0	9.92	
41 cis-1,2-Dichloroethene	96	3.700	3.700	0.000	81	171580	10.0	10.3	
43 2,2-Dichloropropane	97	3.700	3.700	0.000	60	37577	10.0	9.71	
42 2-Butanone (MEK)	43	3.712	3.712	0.000	98	147163	20.0	18.6	
47 Chlorobromomethane	128	3.890	3.890	0.000	72	83844	10.0	9.82	
48 Tetrahydrofuran	42	3.937	3.937	0.000	84	100847	20.0	19.0	
49 Chloroform	83	3.961	3.961	0.000	93	263272	10.0	10.4	
50 1,1,1-Trichloroethane	97	4.114	4.114	0.000	56	221456	10.0	10.0	
51 Cyclohexane	56	4.162	4.162	0.000	87	221283	10.0	10.8	
53 Carbon tetrachloride	117	4.256	4.256	0.000	80	207777	10.0	9.93	
52 1,1-Dichloropropene	75	4.256	4.256	0.000	93	213777	10.0	10.6	
54 Isobutyl alcohol	41	4.363	4.363	0.000	91	178315	250.0	241.4	
55 Benzene	78	4.422	4.422	0.000	90	590944	10.0	10.1	
56 1,2-Dichloroethane	62	4.434	4.434	0.000	74	208883	10.0	10.2	
58 n-Heptane	100	4.659	4.659	0.000	44	33582	10.0	9.94	
60 Trichloroethene	130	4.966	4.966	0.000	90	168836	10.0	9.68	
62 Methylcyclohexane	83	5.132	5.132	0.000	87	232379	10.0	10.2	
63 1,2-Dichloropropane	63	5.156	5.156	0.000	91	127764	10.0	10.4	
65 Dibromomethane	93	5.250	5.250	0.000	82	86362	10.0	10.0	
66 1,4-Dioxane	88	5.274	5.274	0.000	91	33357	200.0	169.0	
67 Dichlorobromomethane	83	5.392	5.392	0.000	98	184018	10.0	9.81	
69 2-Chloroethyl vinyl ether	63	5.653	5.653	0.000	90	138767	20.0	18.4	
70 cis-1,3-Dichloropropene	75	5.771	5.771	0.000	86	193425	10.0	9.93	
71 4-Methyl-2-pentanone (MIBK	43	5.913	5.913	0.000	91	281355	20.0	19.9	
72 Toluene	91	6.067	6.067	0.000	91	543872	10.0	10.0	
73 trans-1,3-Dichloropropene	75	6.268	6.268	0.000	90	167511	10.0	9.48	
74 Ethyl methacrylate	69	6.363	6.363	0.000	84	149850	10.0	10.2	
75 1,1,2-Trichloroethane	97	6.422	6.422	0.000	89	110808	10.0	9.72	
76 Tetrachloroethene	164	6.552	6.552	0.000	97	122571	10.0	10.1	
77 1,3-Dichloropropane	76	6.576	6.576	0.000	87	181024	10.0	9.92	
78 2-Hexanone	43	6.659	6.659	0.000	94	191478	20.0	19.7	
80 Chlorodibromomethane	129	6.777	6.777	0.000	89	135325	10.0	10.2	
82 Ethylene Dibromide	107	6.872	6.872	0.000	59	115065	10.0	9.80	
84 Chlorobenzene	112	7.333	7.333	0.000	97	354543	10.0	9.75	
85 1,1,1,2-Tetrachloroethane	131	7.404	7.404	0.000	94	137694	10.0	9.87	
86 Ethylbenzene	106	7.439	7.439	0.000	98	177149	10.0	9.70	
87 m-Xylene & p-Xylene	106	7.546	7.546	0.000	97	225000	10.0	10.6	
88 o-Xylene	106	7.913	7.913	0.000	96	221095	10.0	10.7	
89 Styrene	104	7.925	7.925	0.000	91	366782	10.0	10.6	
90 Bromoform	173	8.090	8.090	0.000	95	107418	10.0	10.2	
91 Isopropylbenzene	105	8.268	8.268	0.000	95	554538	10.0	10.5	
95 Bromobenzene	156	8.540	8.540	0.000	81	149296	10.0	9.58	
94 1,1,2,2-Tetrachloroethane	83	8.552	8.552	0.000	96	163051	10.0	9.66	
96 1,2,3-Trichloropropane	110	8.587	8.587	0.000	53	56270	10.0	9.61	
97 trans-1,4-Dichloro-2-buten	53	8.611	8.611	0.000	80	49221	10.0	9.14	
98 N-Propylbenzene	120	8.658	8.658	0.000	92	163725	10.0	10.4	
99 2-Chlorotoluene	126	8.741	8.741	0.000	95	146693	10.0	10.4	
100 1,3,5-Trimethylbenzene	105	8.836	8.836	0.000	88	453276	10.0	10.5	
101 4-Chlorotoluene	126	8.848	8.848	0.000	93	146255	10.0	10.1	
102 tert-Butylbenzene	119	9.155	9.155	0.000	91	369118	10.0	10.0	a
104 1,2,4-Trimethylbenzene	105	9.191	9.191	0.000	70	456294	10.0	10.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	9.356	9.356	0.000	89	517546	10.0	9.88	
106 1,3-Dichlorobenzene	146	9.451	9.451	0.000	78	281323	10.0	9.92	
107 4-Isopropyltoluene	119	9.510	9.510	0.000	93	481868	10.0	10.4	
108 1,4-Dichlorobenzene	146	9.546	9.546	0.000	96	287252	10.0	9.44	
111 n-Butylbenzene	91	9.901	9.901	0.000	96	374733	10.0	9.91	
112 1,2-Dichlorobenzene	146	9.901	9.901	0.000	85	255531	10.0	9.64	
114 1,2-Dibromo-3-Chloropropan	157	10.670	10.670	0.000	81	50852	10.0	10.1	
116 1,2,4-Trichlorobenzene	180	11.486	11.486	0.000	93	153092	10.0	9.18	
117 Hexachlorobutadiene	225	11.676	11.676	0.000	80	73104	10.0	9.49	
118 Naphthalene	128	11.723	11.723	0.000	96	403718	10.0	9.09	
119 1,2,3-Trichlorobenzene	180	11.960	11.960	0.000	92	146668	10.0	9.37	
S 133 Trihalomethanes, Total	1				0		40.0	40.6	
S 159 Total BTEX	1				0		50.0	51.1	
S 132 Xylenes, Total	106				0		20.0	21.3	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

VMRGAS_00281	Amount Added:	8.00	Units: uL
vm50ss_stk_00079	Amount Added:	8.00	Units: uL
vm50is_stk_A_00002	Amount Added:	2.00	Units: uL
VMRPRIMW_00320	Amount Added:	8.00	Units: uL
VMAROLISTDW_00283	Amount Added:	8.00	Units: uL

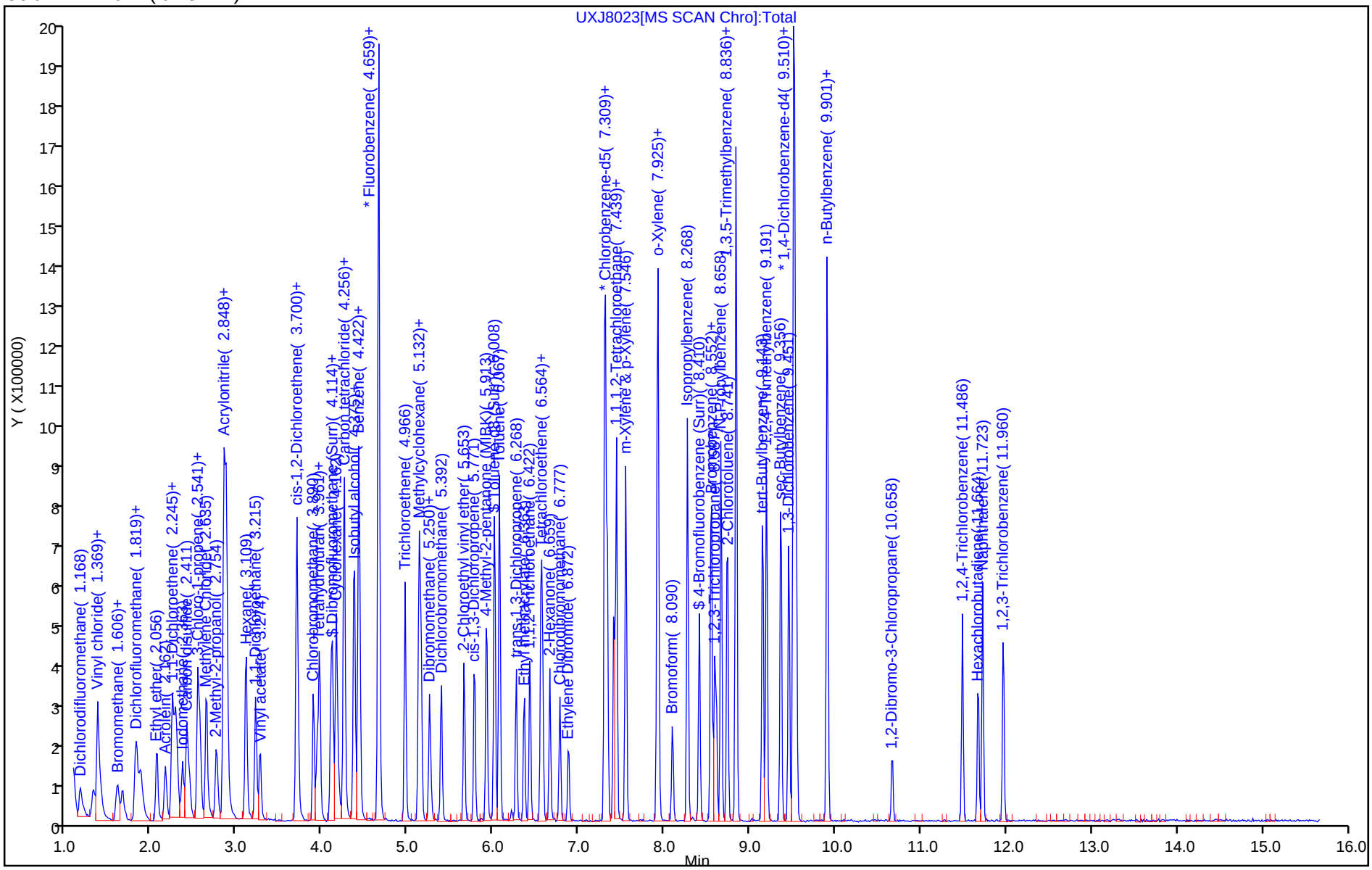
Report Date: 08-Feb-2019 09:14:44 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8023.D

Injection Date:	07-Feb-2019 13:53:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	STD8260 L4			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Canton

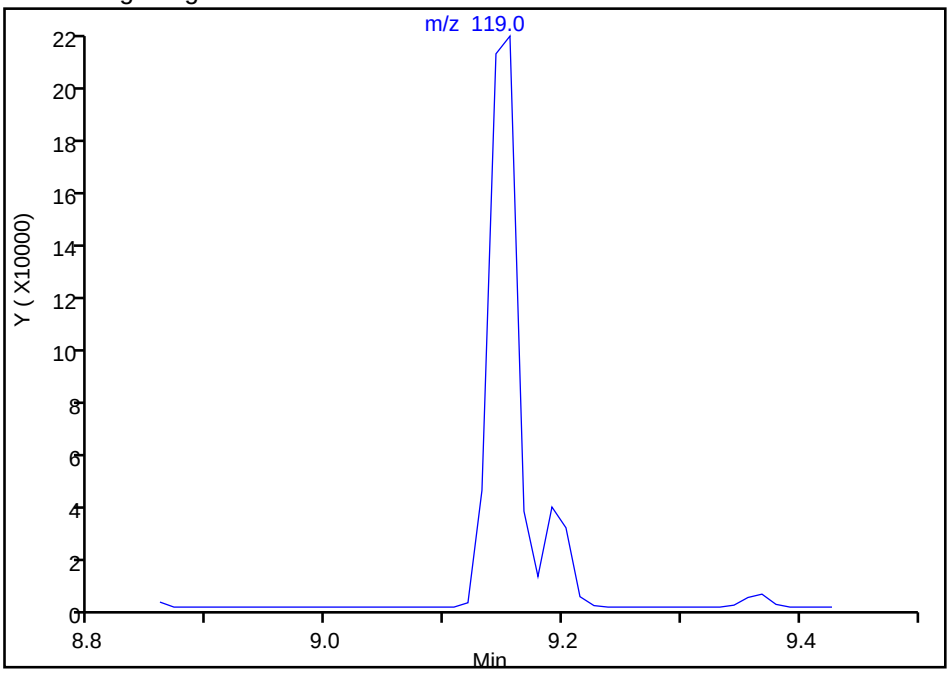
Data File:	\\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8023.D				
Injection Date:	07-Feb-2019 13:53:30	Instrument ID:	A3UX11		
Lims ID:	STD8260 L4				
Client ID:					
Operator ID:	43582	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_11	Limit Group:	MSV 8260B ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

102 tert-Butylbenzene, CAS: 98-06-6

Signal: 1

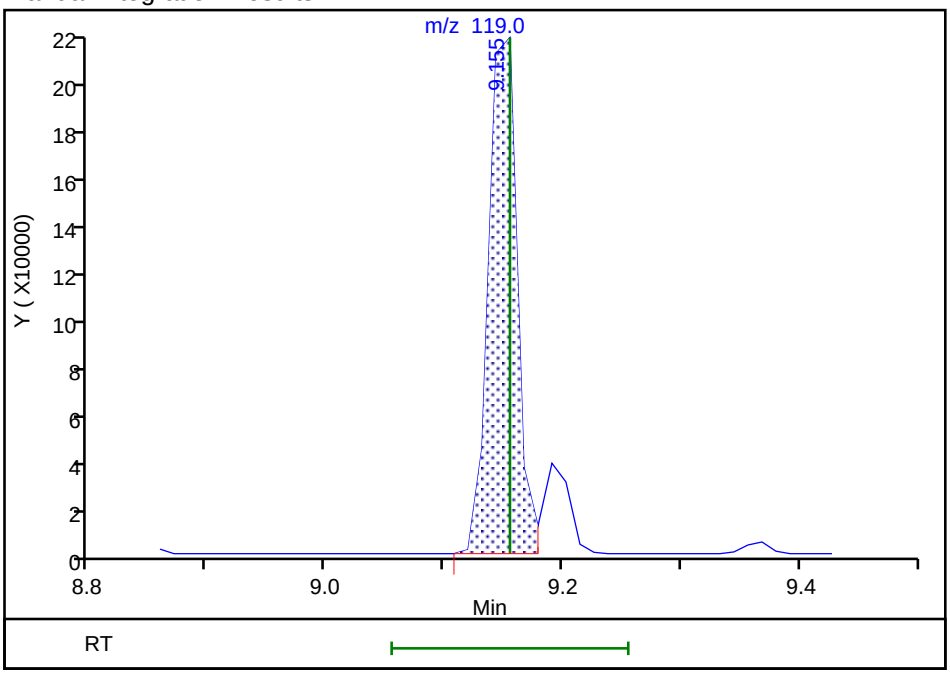
Not Detected
Expected RT: 9.16

Processing Integration Results



Manual Integration Results

RT: 9.16
Area: 369118
Amount: 10.032482
Amount Units: ug/l



Reviewer: evansle, 08-Feb-2019 08:24:18
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8024.D
Lims ID: STD8260 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-Feb-2019 14:15:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0084305-005
Misc. Info.: J90207A-IC,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11
Sublist: chrom-8260_11*sub78

Method: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 08-Feb-2019 09:14:48 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: evansle Date: 08-Feb-2019 08:27:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.659	4.659	0.000	99	1155721	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.297	7.309	-0.012	83	792526	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	92	427773	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.091	4.103	-0.012	94	68214	5.00	5.06	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.375	4.375	0.000	97	85806	5.00	5.26	
$ 6 Toluene-d8 (Surr)	98	6.007	6.008	-0.001	91	231027	5.00	4.91	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	88	79386	5.00	5.28	
9 Dichlorodifluoromethane	85	1.156	1.168	-0.012	98	91261	5.00	5.33	
10 Chloromethane	50	1.298	1.310	-0.012	99	74271	5.00	5.27	
13 Butadiene	54	1.357	1.369	-0.012	95	67238	5.00	5.12	
12 Vinyl chloride	62	1.381	1.393	-0.012	98	79953	5.00	5.23	
15 Bromomethane	94	1.582	1.606	-0.024	88	54178	5.00	5.36	
16 Chloroethane	64	1.641	1.665	-0.024	99	42315	5.00	5.25	
17 Dichlorofluoromethane	67	1.807	1.807	0.000	99	106239	5.00	5.23	
18 Trichlorofluoromethane	101	1.854	1.831	0.023	90	116801	5.00	5.43	
19 Ethyl ether	59	2.055	2.067	-0.012	87	53290	5.00	4.96	
20 Acrolein	56	2.162	2.162	0.000	99	76307	25.0	27.6	
21 1,1-Dichloroethene	96	2.233	2.245	-0.012	98	68669	5.00	5.17	
22 1,1,2-Trichloro-1,2,2-trif	151	2.268	2.280	-0.012	88	58077	5.00	5.21	
23 Acetone	43	2.280	2.292	-0.012	98	61588	10.0	9.94	
25 Iodomethane	142	2.351	2.363	-0.012	97	118663	5.00	5.03	
26 Carbon disulfide	76	2.410	2.411	0.000	99	207524	5.00	4.77	
28 3-Chloro-1-propene	76	2.540	2.541	-0.001	89	48182	5.00	4.92	
29 Methyl acetate	43	2.564	2.564	0.000	97	142070	10.0	10.7	
30 Methylene Chloride	84	2.635	2.647	-0.012	89	85471	5.00	5.03	
31 2-Methyl-2-propanol	59	2.753	2.754	-0.001	94	108992	50.0	48.7	
32 Acrylonitrile	53	2.836	2.848	-0.012	98	360130	50.0	52.1	
34 trans-1,2-Dichloroethene	96	2.872	2.872	0.000	97	78810	5.00	4.99	
33 Methyl tert-butyl ether	73	2.872	2.884	-0.012	96	179324	5.00	5.08	
35 Hexane	86	3.097	3.109	-0.012	92	18570	5.00	5.24	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 1,1-Dichloroethane	63	3.215	3.215	0.000	96	123928	5.00	4.79	
37 Vinyl acetate	43	3.262	3.274	-0.012	98	122657	5.00	5.04	
43 2,2-Dichloropropane	97	3.688	3.700	-0.012	62	18470	5.00	4.84	
41 cis-1,2-Dichloroethene	96	3.700	3.700	0.000	82	79034	5.00	4.81	
42 2-Butanone (MEK)	43	3.712	3.712	0.000	99	89550	10.0	11.5	
47 Chlorobromomethane	128	3.889	3.890	-0.001	91	41697	5.00	4.95	
48 Tetrahydrofuran	42	3.937	3.937	0.000	86	54325	10.0	10.4	
49 Chloroform	83	3.960	3.961	-0.001	94	130678	5.00	5.21	
50 1,1,1-Trichloroethane	97	4.114	4.114	0.000	99	103539	5.00	4.75	
51 Cyclohexane	56	4.162	4.162	0.000	87	102175	5.00	5.04	
52 1,1-Dichloropropene	75	4.244	4.256	-0.012	94	95002	5.00	4.76	
53 Carbon tetrachloride	117	4.256	4.256	0.000	97	104922	5.00	5.08	
54 Isobutyl alcohol	41	4.363	4.363	0.000	92	100691	125.0	129.3	
55 Benzene	78	4.422	4.422	0.000	95	283539	5.00	4.90	
56 1,2-Dichloroethane	62	4.434	4.434	0.000	98	99528	5.00	4.95	
58 n-Heptane	100	4.659	4.659	0.000	40	19161	5.00	5.82	
60 Trichloroethene	130	4.966	4.966	0.000	97	85827	5.00	4.99	
62 Methylcyclohexane	83	5.132	5.132	0.000	88	106738	5.00	4.75	
63 1,2-Dichloropropane	63	5.156	5.156	0.000	95	60714	5.00	5.00	
65 Dibromomethane	93	5.250	5.250	0.000	91	42824	5.00	5.02	
66 1,4-Dioxane	88	5.274	5.274	0.000	87	20834	100.0	111.1	
67 Dichlorobromomethane	83	5.380	5.392	-0.012	99	95815	5.00	5.18	
69 2-Chloroethyl vinyl ether	63	5.653	5.653	-0.001	92	82558	10.0	11.1	
70 cis-1,3-Dichloropropene	75	5.771	5.771	0.000	96	99988	5.00	5.21	
71 4-Methyl-2-pentanone (MIBK	43	5.913	5.913	0.000	95	153307	10.0	11.0	
72 Toluene	91	6.067	6.067	0.000	99	290746	5.00	5.08	
73 trans-1,3-Dichloropropene	75	6.268	6.268	0.000	91	94776	5.00	5.09	
74 Ethyl methacrylate	69	6.362	6.363	-0.001	86	78145	5.00	5.04	
75 1,1,2-Trichloroethane	97	6.422	6.422	0.000	90	60454	5.00	5.03	
76 Tetrachloroethene	164	6.552	6.552	0.000	98	67708	5.00	5.29	
77 1,3-Dichloropropane	76	6.575	6.576	-0.001	90	98029	5.00	5.09	
78 2-Hexanone	43	6.658	6.659	-0.001	93	109052	10.0	10.6	
80 Chlorodibromomethane	129	6.777	6.777	0.000	88	73418	5.00	5.26	
82 Ethylene Dibromide	107	6.871	6.872	-0.001	97	60552	5.00	4.89	
84 Chlorobenzene	112	7.333	7.333	0.000	98	189707	5.00	4.95	
85 1,1,1,2-Tetrachloroethane	131	7.404	7.404	0.000	95	68426	5.00	4.65	
86 Ethylbenzene	106	7.439	7.439	0.000	97	99260	5.00	5.16	
87 m-Xylene & p-Xylene	106	7.546	7.546	0.000	95	114642	5.00	5.11	
88 o-Xylene	106	7.913	7.913	0.000	96	105654	5.00	4.86	
89 Styrene	104	7.924	7.925	-0.001	93	184963	5.00	5.05	
90 Bromoform	173	8.090	8.090	0.000	96	58743	5.00	5.29	
91 Isopropylbenzene	105	8.268	8.268	0.000	95	276000	5.00	4.94	
95 Bromobenzene	156	8.540	8.540	0.000	94	77365	5.00	4.83	
94 1,1,2,2-Tetrachloroethane	83	8.552	8.552	0.000	94	87302	5.00	5.03	
96 1,2,3-Trichloropropane	110	8.587	8.587	0.000	85	30733	5.00	5.10	
97 trans-1,4-Dichloro-2-buten	53	8.611	8.611	0.000	80	31177	5.00	5.63	
98 N-Propylbenzene	120	8.658	8.658	0.000	98	79799	5.00	4.91	
99 2-Chlorotoluene	126	8.741	8.741	0.000	98	73878	5.00	5.08	
100 1,3,5-Trimethylbenzene	105	8.836	8.836	0.000	94	218959	5.00	4.95	
101 4-Chlorotoluene	126	8.847	8.848	-0.001	97	78564	5.00	5.27	
102 tert-Butylbenzene	119	9.143	9.155	-0.012	90	193232	5.00	5.11	
104 1,2,4-Trimethylbenzene	105	9.191	9.191	0.000	96	220805	5.00	4.95	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	9.356	9.356	0.000	94	261531	5.00	4.86	
106 1,3-Dichlorobenzene	146	9.451	9.451	0.000	97	143622	5.00	4.93	
107 4-Isopropyltoluene	119	9.510	9.510	0.000	97	231439	5.00	4.85	
108 1,4-Dichlorobenzene	146	9.546	9.546	0.000	95	149185	5.00	4.77	
112 1,2-Dichlorobenzene	146	9.901	9.901	0.000	96	130837	5.00	4.80	
111 n-Butylbenzene	91	9.901	9.901	0.000	97	183328	5.00	4.71	
114 1,2-Dibromo-3-Chloropropan	157	10.670	10.670	0.000	91	26261	5.00	4.92	
116 1,2,4-Trichlorobenzene	180	11.486	11.486	0.000	92	81516	5.00	4.75	
117 Hexachlorobutadiene	225	11.675	11.676	-0.001	93	37204	5.00	4.70	
118 Naphthalene	128	11.723	11.723	0.000	96	194010	5.00	4.25	
119 1,2,3-Trichlorobenzene	180	11.959	11.960	-0.001	96	75944	5.00	4.72	
S 159 Total BTEX	1				0		25.0	25.1	
S 133 Trihalomethanes, Total	1				0		20.0	20.9	
S 130 1,2-Dichloroethene, Total	96				0			9.80	
S 131 1,3-Dichloropropene, Total	75				0			10.3	
S 132 Xylenes, Total	106				0		10.0	9.97	

Reagents:

VMRGAS_00281	Amount Added:	4.00	Units: uL	
vm50ss_stk_00079	Amount Added:	4.00	Units: uL	
vm50is_stk_A_00002	Amount Added:	2.00	Units: uL	
VMRPRIMW_00320	Amount Added:	4.00	Units: uL	
VMAROLISTDW_00283	Amount Added:	4.00	Units: uL	

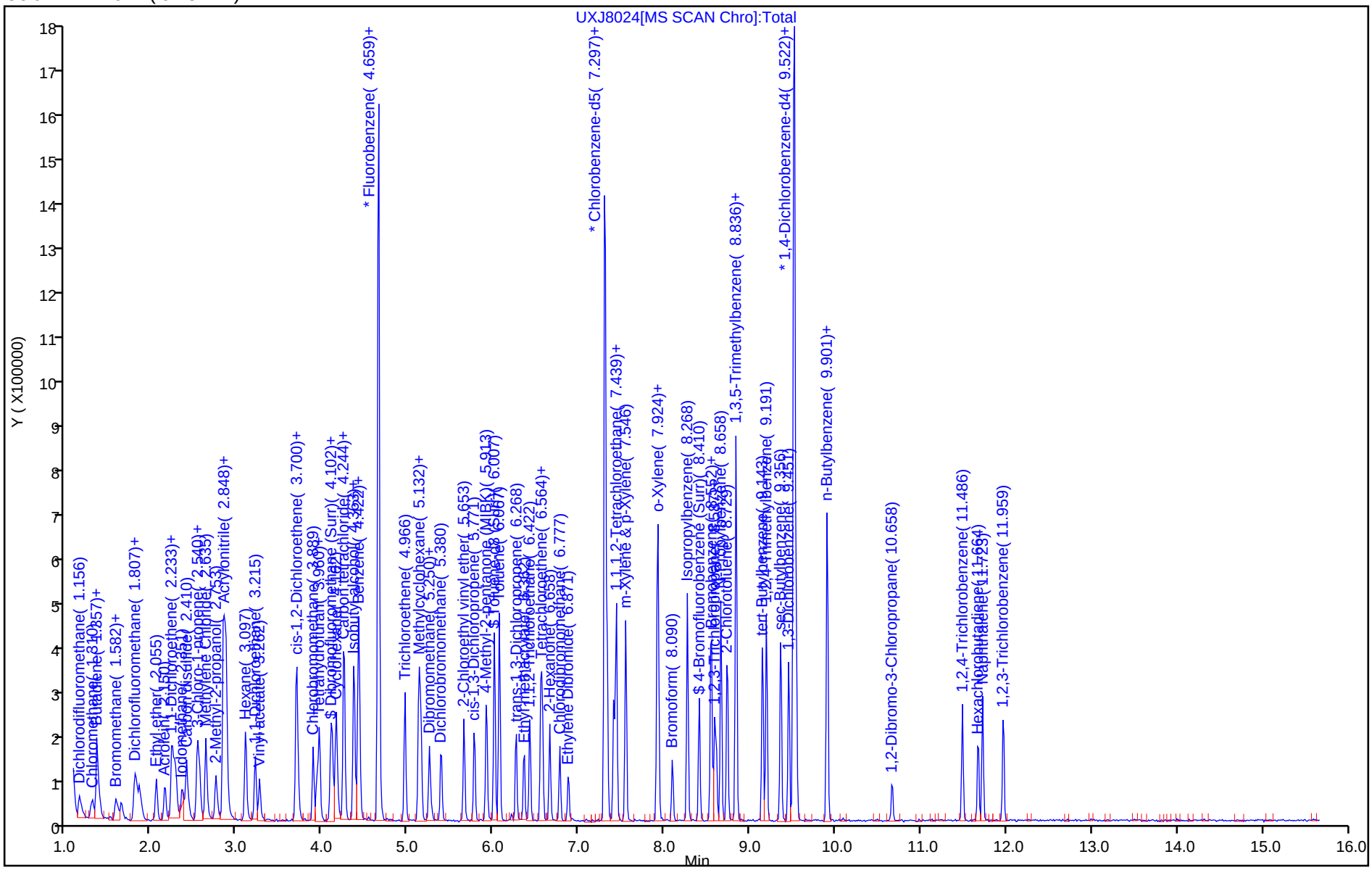
Report Date: 08-Feb-2019 09:14:49 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8024.D

Injection Date:	07-Feb-2019 14:15:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	STD8260 L3			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8025.D
Lims ID: STD8260 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-Feb-2019 14:38:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0084305-006
Misc. Info.: J90207A-IC,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11
Sublist: chrom-8260_11*sub78

Method: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 08-Feb-2019 09:14:54 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: evansle Date: 08-Feb-2019 08:07:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.659	4.659	0.000	99	1095260	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.309	7.309	0.000	83	757263	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	93	405932	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.091	4.103	-0.012	97	24605	2.00	1.93	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.375	4.375	0.000	81	33449	2.00	2.16	
$ 6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	93	82074	2.00	1.83	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	86	28481	2.00	1.98	
9 Dichlorodifluoromethane	85	1.156	1.168	-0.012	94	33811	2.00	2.08	
10 Chloromethane	50	1.298	1.310	-0.012	99	29438	2.00	2.21	
13 Butadiene	54	1.357	1.369	-0.012	96	27131	2.00	2.18	
12 Vinyl chloride	62	1.381	1.393	-0.012	39	29665	2.00	2.05	
15 Bromomethane	94	1.582	1.606	-0.024	87	20704	2.00	2.16	
16 Chloroethane	64	1.641	1.665	-0.024	96	16382	2.00	2.14	
17 Dichlorofluoromethane	67	1.795	1.807	-0.012	97	41103	2.00	2.14	
18 Trichlorofluoromethane	101	1.819	1.831	-0.012	82	40004	2.00	1.96	
19 Ethyl ether	59	2.056	2.067	-0.011	86	20099	2.00	1.97	
20 Acrolein	56	2.150	2.162	-0.012	97	26117	10.0	9.98	
21 1,1-Dichloroethene	96	2.233	2.245	-0.012	96	25640	2.00	2.04	
22 1,1,2-Trichloro-1,2,2-trif	151	2.268	2.280	-0.012	89	21536	2.00	2.04	
23 Acetone	43	2.280	2.292	-0.012	97	27192	4.00	4.63	
25 Iodomethane	142	2.351	2.363	-0.012	97	44542	2.00	1.99	
26 Carbon disulfide	76	2.410	2.411	0.000	99	91902	2.00	2.23	
28 3-Chloro-1-propene	76	2.529	2.541	-0.012	89	18405	2.00	1.98	
29 Methyl acetate	43	2.552	2.564	-0.012	96	48220	4.00	3.84	
30 Methylene Chloride	84	2.635	2.647	-0.012	90	42445	2.00	2.04	
31 2-Methyl-2-propanol	59	2.754	2.754	0.000	96	42922	20.0	20.2	
32 Acrylonitrile	53	2.836	2.848	-0.012	96	133260	20.0	20.3	
34 trans-1,2-Dichloroethene	96	2.860	2.872	-0.012	96	30791	2.00	2.06	
33 Methyl tert-butyl ether	73	2.872	2.884	-0.012	93	69489	2.00	2.08	
35 Hexane	86	3.097	3.109	-0.012	84	3932	2.00	1.70	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 1,1-Dichloroethane	63	3.215	3.215	0.000	96	51015	2.00	2.08	
37 Vinyl acetate	43	3.262	3.274	-0.012	96	45507	2.00	1.97	
41 cis-1,2-Dichloroethene	96	3.688	3.700	-0.012	80	33131	2.00	2.13	
43 2,2-Dichloropropane	97	3.688	3.700	-0.012	60	7740	2.00	2.14	
42 2-Butanone (MEK)	43	3.712	3.712	0.000	99	31612	4.00	4.27	
47 Chlorobromomethane	128	3.890	3.890	0.000	89	17457	2.00	2.19	
48 Tetrahydrofuran	42	3.925	3.937	-0.012	77	19047	4.00	3.84	
49 Chloroform	83	3.961	3.961	0.000	93	48908	2.00	2.06	
50 1,1,1-Trichloroethane	97	4.114	4.114	0.000	97	42875	2.00	2.07	
51 Cyclohexane	56	4.162	4.162	0.000	89	36529	2.00	1.90	
53 Carbon tetrachloride	117	4.245	4.256	-0.011	95	38755	2.00	1.98	
52 1,1-Dichloropropene	75	4.245	4.256	-0.011	91	36750	2.00	1.94	
54 Isobutyl alcohol	41	4.363	4.363	0.000	90	35587	50.0	47.8	
55 Benzene	78	4.422	4.422	0.000	94	114875	2.00	2.10	
56 1,2-Dichloroethane	62	4.434	4.434	0.000	98	39111	2.00	2.05	
58 n-Heptane	100	4.647	4.659	-0.012	33	4317	2.00	1.50	
60 Trichloroethene	130	4.966	4.966	0.000	89	34086	2.00	2.09	
62 Methylcyclohexane	83	5.132	5.132	0.000	86	43436	2.00	2.04	
63 1,2-Dichloropropane	63	5.156	5.156	0.000	94	24147	2.00	2.10	
65 Dibromomethane	93	5.250	5.250	0.000	89	16623	2.00	2.06	
66 1,4-Dioxane	88	5.274	5.274	0.000	45	5017	40.0	36.4	
67 Dichlorobromomethane	83	5.381	5.392	-0.011	99	35418	2.00	2.02	
69 2-Chloroethyl vinyl ether	63	5.653	5.653	0.000	92	28161	4.00	3.99	
70 cis-1,3-Dichloropropene	75	5.771	5.771	0.000	96	35784	2.00	1.97	
71 4-Methyl-2-pentanone (MIBK	43	5.913	5.913	0.000	94	48587	4.00	3.68	
72 Toluene	91	6.067	6.067	0.000	96	103151	2.00	1.89	
73 trans-1,3-Dichloropropene	75	6.268	6.268	0.000	91	36666	2.00	2.06	
74 Ethyl methacrylate	69	6.351	6.363	-0.012	87	28459	2.00	1.92	
75 1,1,2-Trichloroethane	97	6.422	6.422	0.000	84	22922	2.00	2.00	
76 Tetrachloroethene	164	6.552	6.552	0.000	95	23718	2.00	1.94	
77 1,3-Dichloropropane	76	6.576	6.576	0.000	90	36153	2.00	1.97	
78 2-Hexanone	43	6.659	6.659	-0.001	98	40322	4.00	4.11	
80 Chlorodibromomethane	129	6.777	6.777	0.000	85	28493	2.00	2.14	
82 Ethylene Dibromide	107	6.871	6.872	-0.001	95	21792	2.00	1.84	
84 Chlorobenzene	112	7.333	7.333	0.000	93	71386	2.00	1.95	
85 1,1,1,2-Tetrachloroethane	131	7.404	7.404	0.000	94	27415	2.00	1.95	
86 Ethylbenzene	106	7.439	7.439	0.000	99	33590	2.00	1.83	
87 m-Xylene & p-Xylene	106	7.546	7.546	0.000	98	37781	2.00	1.76	
88 o-Xylene	106	7.913	7.913	0.000	96	38511	2.00	1.86	
89 Styrene	104	7.925	7.925	0.000	93	62454	2.00	1.78	
90 Bromoform	173	8.090	8.090	0.000	95	21407	2.00	2.02	
91 Isopropylbenzene	105	8.268	8.268	0.000	95	93008	2.00	1.74	
95 Bromobenzene	156	8.540	8.540	0.000	91	30472	2.00	2.00	
94 1,1,2,2-Tetrachloroethane	83	8.552	8.552	0.000	92	32123	2.00	1.95	
96 1,2,3-Trichloropropane	110	8.587	8.587	0.000	84	12345	2.00	2.16	
97 trans-1,4-Dichloro-2-buten	53	8.611	8.611	0.000	67	10685	2.00	2.03	
98 N-Propylbenzene	120	8.658	8.658	0.000	99	26311	2.00	1.71	
99 2-Chlorotoluene	126	8.741	8.741	0.000	97	24540	2.00	1.78	
100 1,3,5-Trimethylbenzene	105	8.836	8.836	0.000	97	71649	2.00	1.71	
101 4-Chlorotoluene	126	8.836	8.848	-0.012	98	25871	2.00	1.83	
102 tert-Butylbenzene	119	9.143	9.155	-0.012	90	59904	2.00	1.67	
104 1,2,4-Trimethylbenzene	105	9.191	9.191	0.000	92	72413	2.00	1.71	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	9.356	9.356	0.000	93	92291	2.00	1.81	
106 1,3-Dichlorobenzene	146	9.451	9.451	0.000	96	54925	2.00	1.99	
107 4-Isopropyltoluene	119	9.510	9.510	0.000	96	80813	2.00	1.79	
108 1,4-Dichlorobenzene	146	9.546	9.546	0.000	93	61678	2.00	2.08	
111 n-Butylbenzene	91	9.901	9.901	0.000	97	64537	2.00	1.75	
112 1,2-Dichlorobenzene	146	9.901	9.901	0.000	95	52725	2.00	2.04	
114 1,2-Dibromo-3-Chloropropan	157	10.658	10.670	-0.012	83	9092	2.00	1.61	
116 1,2,4-Trichlorobenzene	180	11.486	11.486	0.000	90	31765	2.00	1.95	
117 Hexachlorobutadiene	225	11.676	11.676	0.000	95	16252	2.00	2.16	
118 Naphthalene	128	11.723	11.723	0.000	95	79647	2.00	1.84	
119 1,2,3-Trichlorobenzene	180	11.971	11.960	0.011	90	28542	2.00	1.87	
S 133 Trihalomethanes, Total	1				0		8.00	8.23	
S 159 Total BTEX	1				0		10.0	9.42	
S 130 1,2-Dichloroethene, Total	96				0			4.18	
S 131 1,3-Dichloropropene, Total	75				0			4.03	
S 132 Xylenes, Total	106				0		4.00	3.62	

Reagents:

VMRGAS_00281	Amount Added:	1.60	Units: uL
vm50ss_stk_00079	Amount Added:	1.60	Units: uL
vm50is_stk_A_00002	Amount Added:	2.00	Units: uL
VMRPRIMW_00320	Amount Added:	1.60	Units: uL
VMAROLISTDW_00283	Amount Added:	1.60	Units: uL

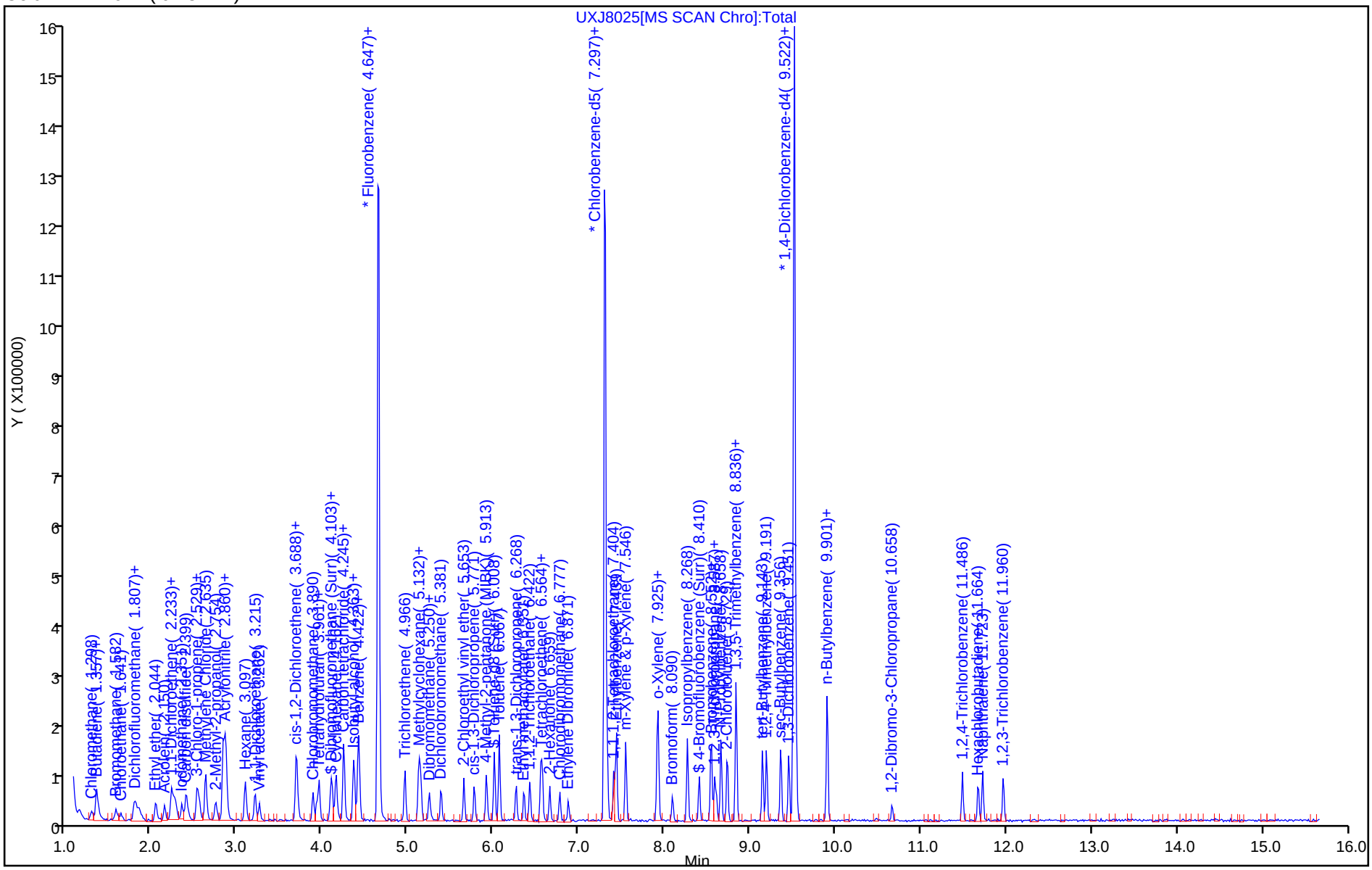
Report Date: 08-Feb-2019 09:14:55 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8025.D

Injection Date:	07-Feb-2019 14:38:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	STD8260 L2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8026.D
Lims ID: STD8260 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-Feb-2019 15:00:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0084305-007
Misc. Info.: J90207A-IC,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11
Sublist: chrom-8260_11*sub78

Method: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 08-Feb-2019 09:15:00 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: evansle Date: 08-Feb-2019 08:08:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.659	4.659	0.000	99	1116865	20.0	20.0	
* 2 Chlorobenzene-d5	117	7.309	7.309	0.000	83	702853	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	92	374248	20.0	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.091	4.103	-0.012	94	13778	1.00	1.06	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.375	4.375	0.000	96	16708	1.00	1.06	
$ 6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	92	41706	1.00	1.00	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	89	13244	1.00	0.99	
9 Dichlorodifluoromethane	85	1.168	1.168	0.000	94	14302	1.00	0.8637	
10 Chloromethane	50	1.322	1.310	0.012	1	14735	1.00	1.08	a
13 Butadiene	54	1.369	1.369	0.000	92	12457	1.00	0.9813	
12 Vinyl chloride	62	1.393	1.393	0.000	93	15085	1.00	1.02	
15 Bromomethane	94	1.594	1.606	-0.012	85	9111	1.00	0.9329	
16 Chloroethane	64	1.653	1.665	-0.012	39	6225	1.00	0.7992	
17 Dichlorofluoromethane	67	1.807	1.807	0.000	95	20171	1.00	1.03	
18 Trichlorofluoromethane	101	1.854	1.831	0.023	84	20689	1.00	1.00	
19 Ethyl ether	59	2.055	2.067	-0.012	81	10777	1.00	1.04	
20 Acrolein	56	2.150	2.162	-0.012	98	12263	5.00	4.60	
21 1,1-Dichloroethene	96	2.245	2.245	0.000	94	12563	1.00	0.9793	
22 1,1,2-Trichloro-1,2,2-trif	151	2.280	2.280	0.000	63	10111	1.00	0.9383	
23 Acetone	43	2.280	2.292	-0.012	98	13879	2.00	2.32	
25 Iodomethane	142	2.351	2.363	-0.012	99	22823	1.00	1.00	
26 Carbon disulfide	76	2.410	2.411	0.000	98	46298	1.00	1.10	
28 3-Chloro-1-propene	76	2.541	2.541	0.000	88	10125	1.00	1.07	
29 Methyl acetate	43	2.564	2.564	0.000	97	25546	2.00	2.00	
30 Methylene Chloride	84	2.635	2.647	-0.012	93	28456	1.00	0.9073	
31 2-Methyl-2-propanol	59	2.754	2.754	0.000	95	24619	10.0	11.4	
32 Acrylonitrile	53	2.836	2.848	-0.012	97	64753	10.0	9.69	
34 trans-1,2-Dichloroethene	96	2.872	2.872	0.000	97	15989	1.00	1.05	
33 Methyl tert-butyl ether	73	2.872	2.884	-0.012	94	33845	1.00	0.99	
35 Hexane	86	3.097	3.109	-0.012	83	1522	1.00	1.07	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 1,1-Dichloroethane	63	3.215	3.215	0.000	95	26535	1.00	1.06	
37 Vinyl acetate	43	3.262	3.274	-0.012	95	21348	1.00	0.9075	
43 2,2-Dichloropropane	97	3.688	3.700	-0.012	54	4143	1.00	1.12	
41 cis-1,2-Dichloroethene	96	3.700	3.700	0.000	83	15518	1.00	0.9767	
42 2-Butanone (MEK)	43	3.712	3.712	0.000	69	12784	2.00	1.69	
47 Chlorobromomethane	128	3.901	3.890	0.011	94	8562	1.00	1.05	
48 Tetrahydrofuran	42	3.937	3.937	0.000	84	10465	2.00	2.07	
49 Chloroform	83	3.960	3.961	-0.001	96	23384	1.00	0.9654	
50 1,1,1-Trichloroethane	97	4.114	4.114	0.000	96	23404	1.00	1.11	
51 Cyclohexane	56	4.162	4.162	0.000	85	16522	1.00	0.8432	
52 1,1-Dichloropropene	75	4.244	4.256	-0.012	93	19040	1.00	0.9865	
53 Carbon tetrachloride	117	4.244	4.256	-0.012	96	21059	1.00	1.06	
54 Isobutyl alcohol	41	4.375	4.363	0.012	83	17638	25.0	25.5	
55 Benzene	78	4.422	4.422	0.000	94	56029	1.00	1.00	
56 1,2-Dichloroethane	62	4.434	4.434	0.000	95	20305	1.00	1.04	
58 n-Heptane	100	4.659	4.659	0.000	37	2973	1.00	1.07	
60 Trichloroethene	130	4.966	4.966	0.000	93	18033	1.00	1.08	
62 Methylcyclohexane	83	5.132	5.132	0.000	86	19643	1.00	0.9055	
63 1,2-Dichloropropane	63	5.156	5.156	0.000	91	11053	1.00	0.9425	
65 Dibromomethane	93	5.250	5.250	0.000	87	8259	1.00	1.00	
66 1,4-Dioxane	88	5.274	5.274	0.000	23	2371	20.0	22.7	
67 Dichlorobromomethane	83	5.392	5.392	0.000	96	18968	1.00	1.06	
69 2-Chloroethyl vinyl ether	63	5.653	5.653	0.000	94	11930	2.00	1.66	
70 cis-1,3-Dichloropropene	75	5.771	5.771	0.000	94	17074	1.00	0.9202	
71 4-Methyl-2-pentanone (MIBK	43	5.913	5.913	0.000	93	23723	2.00	1.76	
72 Toluene	91	6.067	6.067	0.000	98	50368	1.00	0.99	
73 trans-1,3-Dichloropropene	75	6.268	6.268	0.000	94	17032	1.00	1.03	
74 Ethyl methacrylate	69	6.363	6.363	0.000	86	12213	1.00	0.8877	
75 1,1,2-Trichloroethane	97	6.422	6.422	0.000	84	12734	1.00	1.19	
76 Tetrachloroethene	164	6.552	6.552	0.000	97	11477	1.00	1.01	
77 1,3-Dichloropropane	76	6.576	6.576	0.000	90	17776	1.00	1.04	
78 2-Hexanone	43	6.658	6.659	-0.001	96	15753	2.00	1.73	
80 Chlorodibromomethane	129	6.777	6.777	0.000	93	10939	1.00	0.8840	
82 Ethylene Dibromide	107	6.871	6.872	-0.001	94	12725	1.00	1.16	a
84 Chlorobenzene	112	7.333	7.333	0.000	97	38544	1.00	1.13	
85 1,1,1,2-Tetrachloroethane	131	7.404	7.404	0.000	93	15538	1.00	1.19	
86 Ethylbenzene	106	7.439	7.439	0.000	96	17672	1.00	1.03	
87 m-Xylene & p-Xylene	106	7.546	7.546	0.000	98	17633	1.00	0.8856	
88 o-Xylene	106	7.913	7.913	0.000	95	17027	1.00	0.8837	
89 Styrene	104	7.924	7.925	-0.001	91	27201	1.00	0.8376	
90 Bromoform	173	8.090	8.090	0.000	95	9430	1.00	0.9571	
91 Isopropylbenzene	105	8.268	8.268	0.000	94	45741	1.00	0.9228	
95 Bromobenzene	156	8.552	8.540	0.012	85	14505	1.00	1.03	
94 1,1,2,2-Tetrachloroethane	83	8.552	8.552	0.000	93	15997	1.00	1.05	
96 1,2,3-Trichloropropane	110	8.587	8.587	0.000	82	5144	1.00	0.9763	
97 trans-1,4-Dichloro-2-buten	53	8.611	8.611	0.000	67	4646	1.00	0.9595	
98 N-Propylbenzene	120	8.658	8.658	0.000	98	12737	1.00	0.8965	
99 2-Chlorotoluene	126	8.729	8.741	-0.012	97	11634	1.00	0.9136	
100 1,3,5-Trimethylbenzene	105	8.836	8.836	0.000	89	34175	1.00	0.8833	
101 4-Chlorotoluene	126	8.847	8.848	-0.001	97	11598	1.00	0.8892	
102 tert-Butylbenzene	119	9.143	9.155	-0.012	89	28431	1.00	0.8591	
104 1,2,4-Trimethylbenzene	105	9.191	9.191	0.000	95	33988	1.00	0.8707	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	9.356	9.356	0.000	93	41813	1.00	0.8872	
106 1,3-Dichlorobenzene	146	9.451	9.451	0.000	96	25676	1.00	1.01	
107 4-Isopropyltoluene	119	9.510	9.510	0.000	95	35416	1.00	0.8491	
108 1,4-Dichlorobenzene	146	9.546	9.546	0.000	92	32006	1.00	1.17	
112 1,2-Dichlorobenzene	146	9.901	9.901	0.000	88	23761	1.00	1.00	
111 n-Butylbenzene	91	9.901	9.901	0.000	95	33386	1.00	0.9814	
114 1,2-Dibromo-3-Chloropropan	157	10.670	10.670	0.000	90	6487	1.00	1.18	
116 1,2,4-Trichlorobenzene	180	11.486	11.486	0.000	92	15913	1.00	1.06	
117 Hexachlorobutadiene	225	11.676	11.676	0.000	92	8045	1.00	1.16	
118 Naphthalene	128	11.723	11.723	0.000	96	38023	1.00	0.9522	
119 1,2,3-Trichlorobenzene	180	11.971	11.960	0.011	92	14666	1.00	1.04	
S 159 Total BTEX	1				0		5.00	4.80	
S 133 Trihalomethanes, Total	1				0		4.00	3.87	
S 130 1,2-Dichloroethene, Total	96				0			2.02	
S 131 1,3-Dichloropropene, Total	75				0			1.95	
S 132 Xylenes, Total	106				0		2.00	1.77	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

VMRGAS_00281	Amount Added:	0.80	Units: uL
vm50ss_stk_00079	Amount Added:	0.80	Units: uL
vm50is_stk_A_00002	Amount Added:	2.00	Units: uL
VMRPRIMW_00320	Amount Added:	0.80	Units: uL
VMAROLISTDW_00283	Amount Added:	0.80	Units: uL

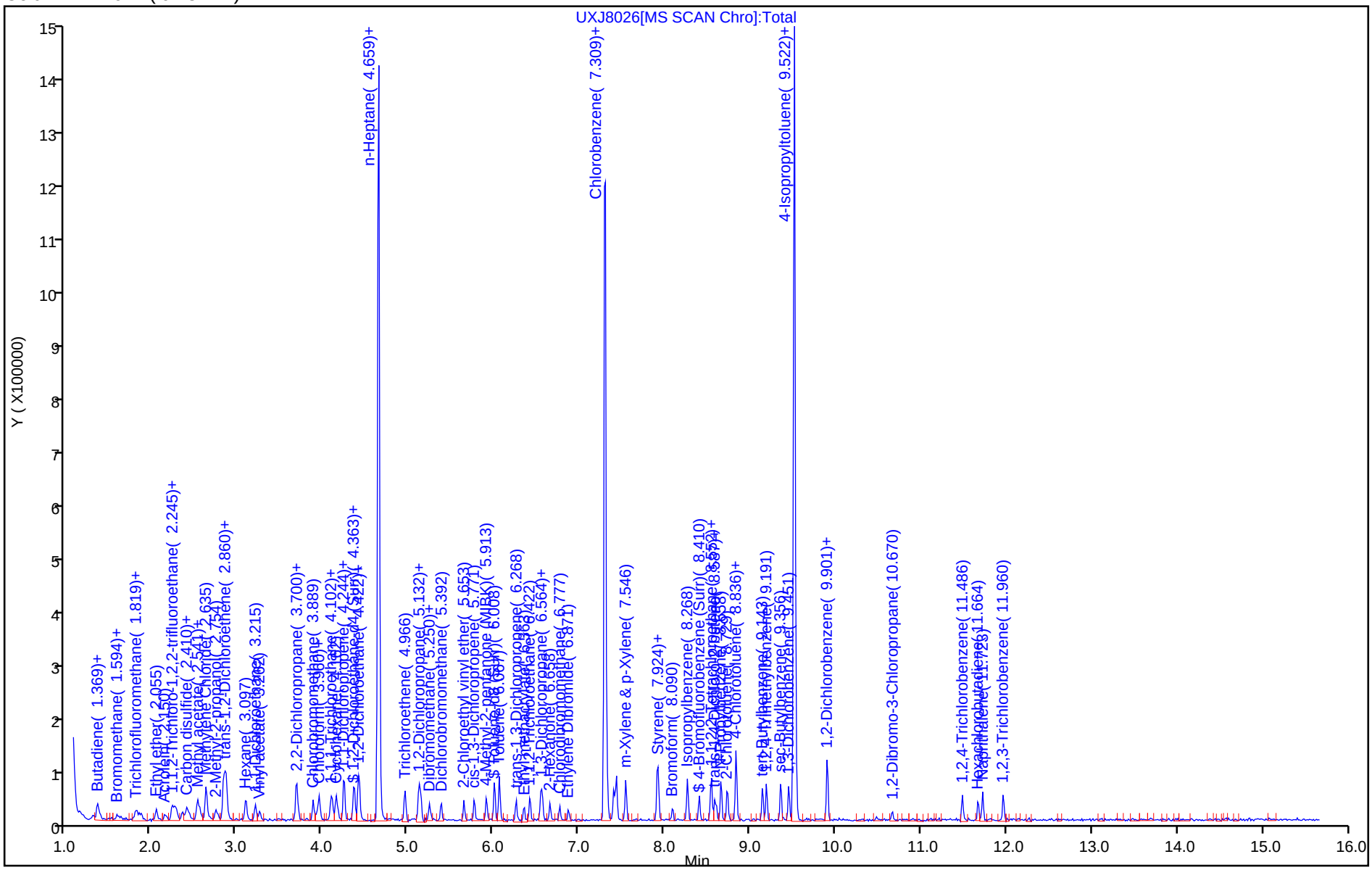
Report Date: 08-Feb-2019 09:15:01 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8026.D

Injection Date:	07-Feb-2019 15:00:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	STD8260 L1			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Canton

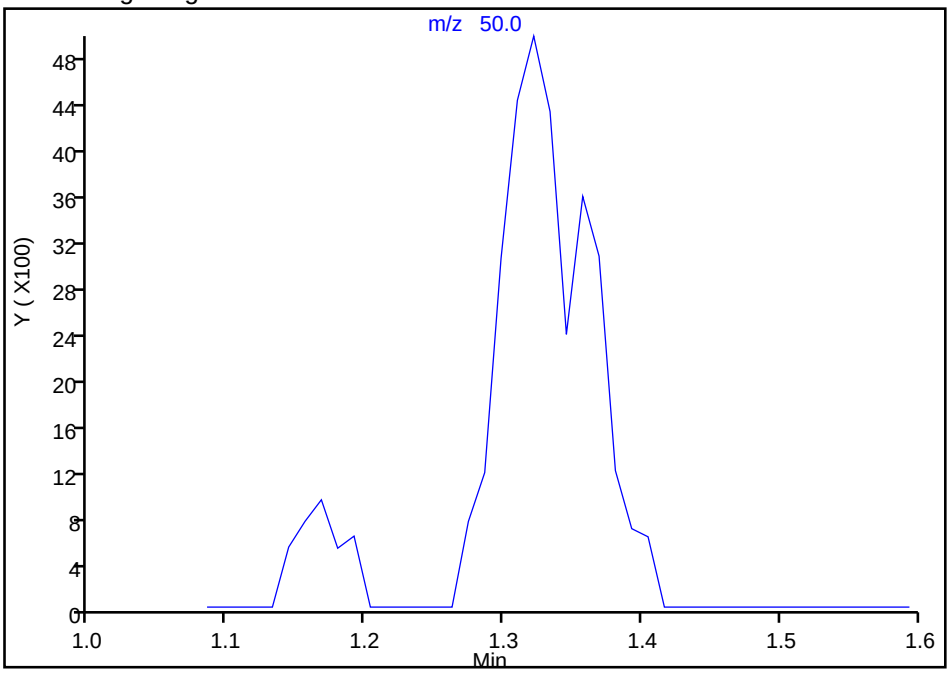
Data File:	\\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8026.D				
Injection Date:	07-Feb-2019 15:00:30	Instrument ID:	A3UX11		
Lims ID:	STD8260 L1				
Client ID:					
Operator ID:	43582	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_11	Limit Group:	MSV 8260B ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

10 Chloromethane, CAS: 74-87-3

Signal: 1

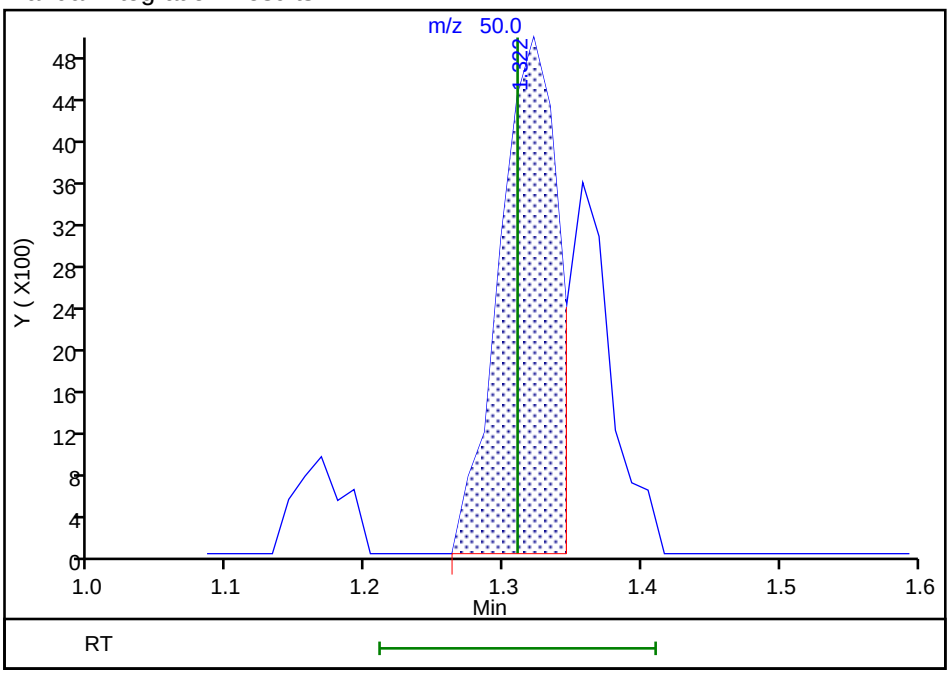
Processing Integration Results

Not Detected
Expected RT: 1.31



Manual Integration Results

RT: 1.32
Area: 14735
Amount: 1.082937
Amount Units: ug/l



Reviewer: evansle, 08-Feb-2019 08:08:26

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Canton

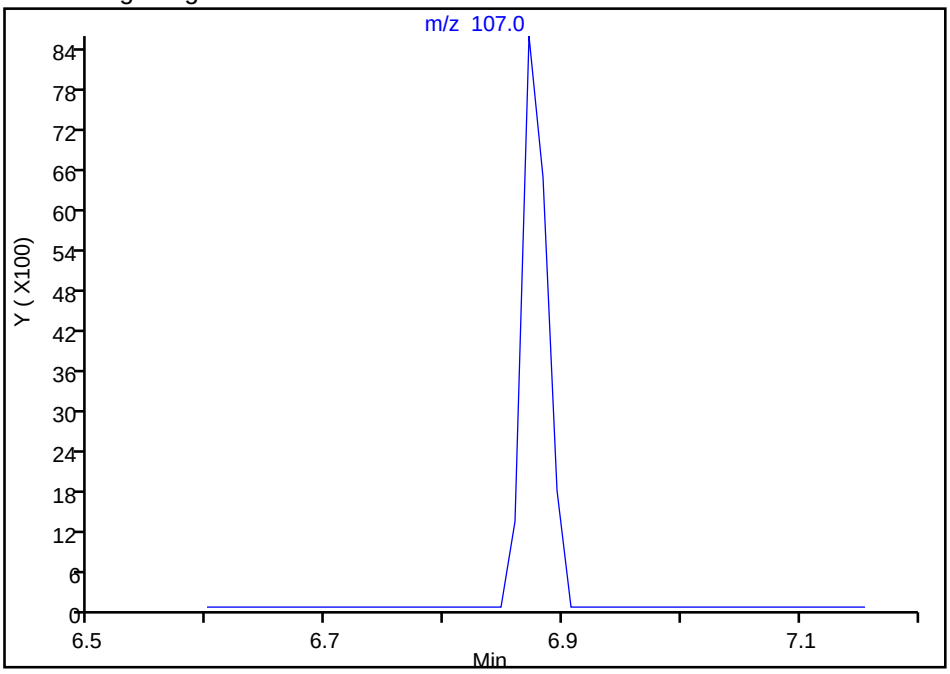
Data File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8026.D
Injection Date: 07-Feb-2019 15:00:30 Instrument ID: A3UX11
Lims ID: STD8260 L1
Client ID:
Operator ID: 43582 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_11 Limit Group: MSV 8260B ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

82 Ethylene Dibromide, CAS: 106-93-4

Signal: 1

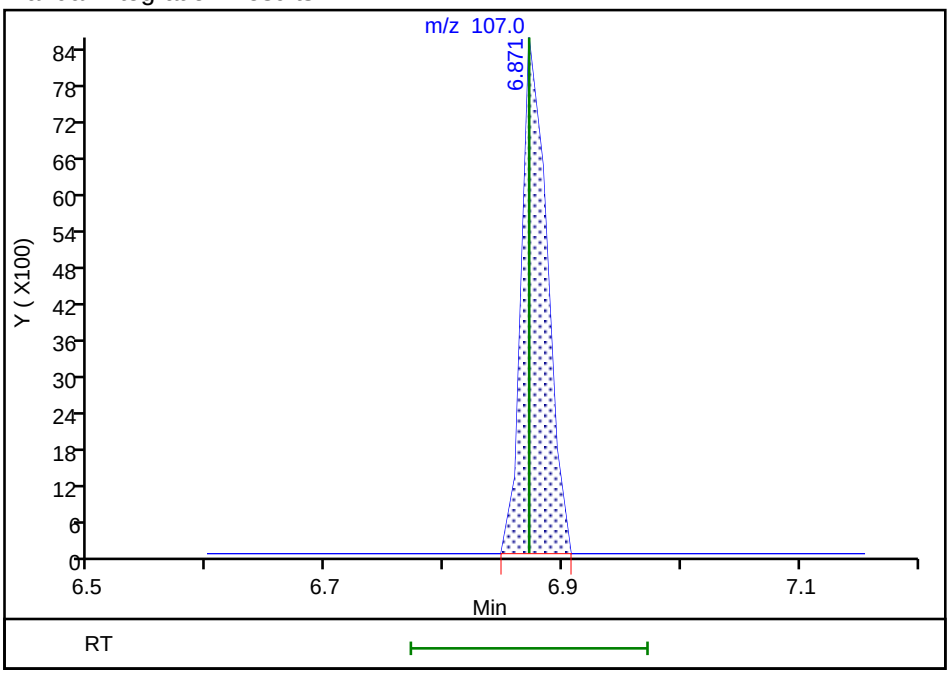
Not Detected
Expected RT: 6.87

Processing Integration Results



Manual Integration Results

RT: 6.87
Area: 12725
Amount: 1.158386
Amount Units: ug/l



Reviewer: evansle, 08-Feb-2019 08:23:09
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

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

Lab Name: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 364785

SDG No.:

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2019 11:37 Calibration End Date: 01/21/2019 13:26 Calibration ID: 49063

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-364785/7	UXC8415.D
Level 2	STD8260 240-364785/6	UXC8414.D
Level 3	STD8260 240-364785/5	UXC8413.D
Level 4	STD8260 240-364785/4	UXC8412.D
Level 5	STD8260 240-364785/3	UXC8411.D
Level 6	STD8260 240-364785/2	UXC8410.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 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2704 0.3071	0.3084	0.3222	0.3169	0.3182	Ave		0.3072				6.2		15.0			
Chloromethane	0.3289 0.2976	0.3274	0.3004	0.3124	0.3145	Ave		0.3135			0.1000	4.2		15.0			
Vinyl chloride	0.3261 0.2600	0.2864	0.2844	0.3065	0.2674	Ave		0.2885				8.5		15.0			
Butadiene	0.4028 0.3420	0.4066	0.3934	0.3729	0.3588	Ave		0.3794				6.8		15.0			
Bromomethane	0.2686 0.1933	0.2748	0.2163	0.2258	0.2060	Ave		0.2308				14.5		15.0			
Chloroethane	0.2298 0.1805	0.2264	0.1983	0.1989	0.1909	Ave		0.2041				9.7		15.0			
Dichlorofluoromethane	0.5874 0.4462	0.5508	0.5133	0.4857	0.4776	Ave		0.5102				10.1		15.0			
Trichlorofluoromethane	0.3885 0.4373	0.4314	0.4444	0.4568	0.4435	Ave		0.4337				5.5		15.0			
Ethyl ether	0.2527 0.2122	0.2393	0.2313	0.2239	0.2264	Ave		0.2310				6.0		15.0			
Acrolein	0.0365 0.0295	0.0303	0.0315	0.0310	0.0314	Ave		0.0317				7.8		15.0			
1,1-Dichloroethene	0.3235 0.2800	0.3292	0.3015	0.2758	0.2929	Ave		0.3005				7.3		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2411 0.2414	0.2509	0.2485	0.2467	0.2520	Ave		0.2468				1.9		15.0			
Acetone	0.0487 0.0213	0.0318	0.0276	0.0238	0.0247	Lin1	0.0519	0.0216							0.9960		0.9900
Iodomethane	0.5303 0.4178	0.4271	0.4860	0.4853	0.4584	Ave		0.4675				9.0		15.0			
Carbon disulfide	0.9104 0.6640	0.7771	0.8074	0.7715	0.7145	Ave		0.7741				10.9		15.0			

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: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 364785

SDG No.:

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2019 11:37 Calibration End Date: 01/21/2019 13:26 Calibration ID: 49063

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 3	LVL 4	LVL 5		B	M1	M2								
3-Chloro-1-propene	0.1530 0.1820	0.1600	0.1683	0.1693	0.1865	Ave		0.1698				7.5		15.0			
Methyl acetate	0.2259 0.1968	0.2056	0.2072	0.1929	0.2018	Ave		0.2050				5.6		15.0			
Methylene Chloride	0.8777 0.2608	0.5429	0.3681	0.3100	0.2858	Lin1	0.6169	0.2481							0.9990		0.9900
2-Methyl-2-propanol	0.0205 0.0194	0.0225	0.0201	0.0175	0.0217	Ave		0.0203				8.7		15.0			
Acrylonitrile	0.0992 0.0981	0.0964	0.0945	0.0907	0.0981	Ave		0.0962				3.3		15.0			
Methyl tert-butyl ether	0.7930 0.7799	0.7813	0.7775	0.7682	0.8007	Ave		0.7834				1.5		15.0			
trans-1,2-Dichloroethene	0.3101 0.2660	0.2823	0.2736	0.2669	0.2784	Ave		0.2795				5.8		15.0			
Hexane	0.0608 0.0585	0.0607	0.0559	0.0560	0.0600	Ave		0.0586				3.8		15.0			
1,1-Dichloroethane	0.4596 0.4425	0.4568	0.4457	0.4441	0.4617	Ave		0.4517			0.1000	1.9		15.0			
Vinyl acetate	0.4987 0.5397	0.4861	0.5183	0.5294	0.5465	Ave		0.5198				4.5		15.0			
cis-1,2-Dichloroethene	0.3231 0.2906	0.3188	0.3032	0.3017	0.3096	Ave		0.3078				3.9		15.0			
2,2-Dichloropropane	0.0662 0.0571	0.0600	0.0637	0.0645	0.0628	Ave		0.0624				5.3		15.0			
2-Butanone (MEK)	0.0354 0.0328	0.0334	0.0325	0.0320	0.0334	Ave		0.0333				3.6		15.0			
Chlorobromomethane	0.1617 0.1477	0.1552	0.1523	0.1470	0.1549	Ave		0.1531				3.6		15.0			
Tetrahydrofuran	0.0906 0.0816	0.0853	0.0820	0.0745	0.0826	Ave		0.0828				6.4		15.0			
Chloroform	0.4755 0.4441	0.4649	0.4595	0.4523	0.4670	Ave		0.4606				2.4		15.0			
1,1,1-Trichloroethane	0.3615 0.3251	0.3567	0.3634	0.3678	0.3533	Ave		0.3546				4.3		15.0			
Cyclohexane	0.3905 0.3986	0.3949	0.4008	0.3961	0.4147	Ave		0.3993				2.1		15.0			
1,1-Dichloropropene	0.3764 0.3614	0.3858	0.3737	0.3673	0.3839	Ave		0.3748				2.5		15.0			
Carbon tetrachloride	0.3226 0.3473	0.3407	0.3468	0.3462	0.3607	Ave		0.3441				3.6		15.0			

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: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 364785

SDG No.:

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2019 11:37 Calibration End Date: 01/21/2019 13:26 Calibration ID: 49063

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 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	0.0072 0.0077	0.0080	0.0077	0.0069	0.0086	Ave		0.0077				7.7		15.0			
Benzene	1.1739 1.0767	1.1296	1.1053	1.0802	1.1333	Ave		1.1165				3.3		15.0			
1,2-Dichloroethane	0.3855 0.3692	0.3897	0.3815	0.3777	0.3886	Ave		0.3820				2.0		15.0			
n-Heptane	0.0499 0.0533	0.0523	0.0527	0.0543	0.0568	Ave		0.0532				4.3		15.0			
Trichloroethene	0.3350 0.3084	0.3298	0.3223	0.3165	0.3318	Ave		0.3240				3.1		15.0			
Methylcyclohexane	0.3407 0.3494	0.3484	0.3548	0.3494	0.3719	Ave		0.3524				3.0		15.0			
1,2-Dichloropropane	0.2476 0.2542	0.2676	0.2609	0.2580	0.2658	Ave		0.2590				2.9		15.0			
Dibromomethane	0.1763 0.1613	0.1789	0.1712	0.1695	0.1730	Ave		0.1717				3.6		15.0			
1,4-Dioxane	0.0015 0.0021	0.0019	0.0021	0.0019	0.0024	Lin1	-0.013	0.0022							0.9940		0.9900
Dichlorobromomethane	0.3251 0.3470	0.3335	0.3329	0.3402	0.3670	Ave		0.3410				4.3		15.0			
2-Chloroethyl vinyl ether	0.1741 0.1794	0.1688	0.1738	0.1710	0.1802	Ave		0.1745				2.6		15.0			
cis-1,3-Dichloropropene	0.3518 0.4202	0.3782	0.3877	0.3983	0.4304	Ave		0.3944				7.3		15.0			
4-Methyl-2-pentanone (MIBK)	0.2785 0.2686	0.2562	0.2693	0.2591	0.2753	Ave		0.2678				3.3		15.0			
Toluene	1.5012 1.4288	1.4730	1.4635	1.4625	1.5286	Ave		1.4763				2.3		15.0			
trans-1,3-Dichloropropene	0.4131 0.5013	0.4307	0.4524	0.4755	0.5145	Ave		0.4646				8.6		15.0			
Ethyl methacrylate	0.4397 0.4538	0.4440	0.4290	0.4357	0.4632	Ave		0.4442				2.8		15.0			
1,1,2-Trichloroethane	0.2996 0.2912	0.3009	0.2966	0.2943	0.3064	Ave		0.2982				1.8		15.0			
Tetrachloroethene	0.3214 0.3151	0.3301	0.3272	0.3250	0.3419	Ave		0.3268				2.8		15.0			
1,3-Dichloropropane	0.5170 0.5210	0.5290	0.5125	0.5245	0.5419	Ave		0.5243				2.0		15.0			
2-Hexanone	0.2098 0.2323	0.2329	0.2285	0.2242	0.2423	Ave		0.2283				4.8		15.0			

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: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 364785

SDG No.:

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2019 11:37 Calibration End Date: 01/21/2019 13:26 Calibration ID: 49063

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 3	LVL 4	LVL 5		B	M1	M2								
Chlorodibromomethane	0.2647 0.3480	0.2850	0.3021	0.3162	0.3534	Ave		0.3116				11.2		15.0			
Ethylene Dibromide	0.3243 0.3131	0.3134	0.3221	0.3160	0.3258	Ave		0.3191				1.8		15.0			
Chlorobenzene	0.9888 0.9546	0.9840	0.9675	0.9702	1.0011	Ave		0.9777			0.3000	1.7		15.0			
1,1,1,2-Tetrachloroethane	0.3344 0.3512	0.3269	0.3433	0.3517	0.3627	Ave		0.3450				3.8		15.0			
Ethylbenzene	0.5276 0.5075	0.5044	0.5075	0.5104	0.5293	Ave		0.5145				2.1		15.0			
m-Xylene & p-Xylene	1.2031 1.2384	1.2096	1.1828	1.2237	1.2677	Ave		1.2209				2.4		15.0			
o-Xylene	0.6311 0.6050	0.6086	0.6092	0.6181	0.6414	Ave		0.6189				2.3		15.0			
Styrene	0.9861 1.0619	0.9946	1.0226	1.0439	1.1061	Ave		1.0359				4.3		15.0			
Bromoform	0.1422 0.2592	0.1774	0.1876	0.2065	0.2510	Lin1	-0.162	0.2546			0.1000				0.9940		0.9900
Isopropylbenzene	1.4236 1.4623	1.4332	1.4499	1.4809	1.5299	Ave		1.4633				2.6		15.0			
1,1,2,2-Tetrachloroethane	0.7263 0.6975	0.7108	0.7013	0.6946	0.7209	Ave		0.7086			0.3000	1.8		15.0			
Bromobenzene	0.8425 0.8141	0.8308	0.8169	0.8158	0.8444	Ave		0.8274				1.7		15.0			
1,2,3-Trichloropropane	0.2495 0.2424	0.2553	0.2455	0.2417	0.2464	Ave		0.2468				2.0		15.0			
trans-1,4-Dichloro-2-butene	0.0434 0.1642	0.1010	0.0590	0.0798	0.1609	Ave		0.1014				50.5	*	15.0			
N-Propylbenzene	0.7265 0.7228	0.7398	0.7179	0.7231	0.7419	Ave		0.7286				1.3		15.0			
2-Chlorotoluene	0.7109 0.6635	0.6787	0.6802	0.6673	0.6918	Ave		0.6821				2.5		15.0			
1,3,5-Trimethylbenzene	2.1272 2.0859	2.0953	2.0772	2.1235	2.2036	Ave		2.1188				2.2		15.0			
4-Chlorotoluene	2.2568 2.1504	2.2467	2.1776	2.1619	2.2388	Ave		2.2054				2.1		15.0			
tert-Butylbenzene	1.8677 1.9925	1.8939	1.8513	1.8658	1.9133	Ave		1.8974				2.7		15.0			
1,2,4-Trimethylbenzene	2.2391 2.1885	2.2675	2.1657	2.2226	2.2813	Ave		2.2275				2.0		15.0			

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: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 364785

SDG No.:

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2019 11:37 Calibration End Date: 01/21/2019 13:26 Calibration ID: 49063

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 3	LVL 4	LVL 5		B	M1	M2								
sec-Butylbenzene	2.2915 2.2504	2.3538	2.3171	2.3275	2.4198	Ave		2.3267				2.5		15.0			
1,3-Dichlorobenzene	1.4983 1.3538	1.4434	1.4148	1.4043	1.4340	Ave		1.4248				3.4		15.0			
4-Isopropyltoluene	2.0430 2.0131	2.1052	2.0529	2.1055	2.1774	Ave		2.0829				2.8		15.0			
1,4-Dichlorobenzene	1.5786 1.4104	1.5222	1.4387	1.4418	1.4716	Ave		1.4772				4.2		15.0			
n-Butylbenzene	1.6870 1.5530	1.6578	1.6297	1.6645	1.6997	Ave		1.6486				3.2		15.0			
1,2-Dichlorobenzene	1.4437 1.3061	1.4168	1.3751	1.3937	1.3869	Ave		1.3871				3.4		15.0			
1,2-Dibromo-3-Chloropropane	0.1400 0.1672	0.1533	0.1616	0.1661	0.1785	Ave		0.1611				8.2		15.0			
1,2,4-Trichlorobenzene	0.9724 0.7297	0.9185	0.8808	0.8895	0.8794	Ave		0.8784				9.2		15.0			
Hexachlorobutadiene	0.5543 0.3117	0.4931	0.4340	0.4326	0.4056	Qua	-0.024	0.4891	-0.004405						0.9990		0.9900
Naphthalene	2.2857 1.9486	2.1983	2.2894	2.2740	2.2589	Ave		2.2091				6.0		15.0			
1,2,3-Trichlorobenzene	0.8662 0.6533	0.8274	0.8022	0.7980	0.7943	Ave		0.7902				9.1		15.0			
Dibromofluoromethane (Surr)	0.2371 0.2318	0.2202	0.2449	0.2390	0.2468	Ave		0.2366				4.1		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3138 0.2896	0.2914	0.3140	0.3062	0.3101	Ave		0.3042				3.6		15.0			
Toluene-d8 (Surr)	1.2471 1.1640	1.1461	1.2369	1.2229	1.2656	Ave		1.2138				3.9		15.0			
4-Bromofluorobenzene (Surr)	0.4328 0.4271	0.4150	0.4450	0.4370	0.4478	Ave		0.4341				2.8		15.0			

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: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 364785

SDG No.:

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2019 11:37 Calibration End Date: 01/21/2019 13:26 Calibration ID: 49063

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-364785/7	UXC8415.D
Level 2	STD8260 240-364785/6	UXC8414.D
Level 3	STD8260 240-364785/5	UXC8413.D
Level 4	STD8260 240-364785/4	UXC8412.D
Level 5	STD8260 240-364785/3	UXC8411.D
Level 6	STD8260 240-364785/2	UXC8410.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	47729 2392918	112693	296202	593761	1222220	1.00 40.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	58046 2319242	119628	276149	585358	1207742	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	57558 2025909	104647	261470	574312	1027051	1.00 40.0	2.00	5.00	10.0	20.0
Butadiene	FB	Ave	71088 2665435	148568	361713	698736	1378009	1.00 40.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Ave	47411 1506749	100403	198900	423055	791041	1.00 40.0	2.00	5.00	10.0	20.0
Chloroethane	FB	Ave	40558 1406432	82718	182320	372694	733356	1.00 40.0	2.00	5.00	10.0	20.0
Dichlorofluoromethane	FB	Ave	103682 3477509	201291	471934	910063	1834172	1.00 40.0	2.00	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	68568 3407867	157640	408598	855986	1703371	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl ether	FB	Ave	44605 1653914	87432	212667	419544	869536	1.00 40.0	2.00	5.00	10.0	20.0
Acrolein	FB	Ave	32229 1148055	55282	144856	290454	603583	5.00 200	10.0	25.0	50.0	100
1,1-Dichloroethene	FB	Ave	57094 2182381	120279	277159	516876	1125076	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	42550 1880984	91700	228498	462285	967763	1.00 40.0	2.00	5.00	10.0	20.0
Acetone	FB	Lin1	17181 332724	23252	50751	89168	190030	2.00 80.0	4.00	10.0	20.0	40.0
Iodomethane	FB	Ave	93588 3255913	156089	446819	909454	1760595	1.00 40.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	160687 5174431	283969	742305	1445567	2744114	1.00 40.0	2.00	5.00	10.0	20.0
3-Chloro-1-propene	FB	Ave	27003 1418141	58477	154763	317161	716236	1.00 40.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 364785

SDG No.:

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2019 11:37 Calibration End Date: 01/21/2019 13:26 Calibration ID: 49063

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methyl acetate	FB	Ave	79740 3067156	150240	380996	723073	1550490	2.00 80.0	4.00	10.0	20.0	40.0
Methylene Chloride	FB	Lin1	154915 2032773	198393	338417	580808	1097865	1.00 40.0	2.00	5.00	10.0	20.0
2-Methyl-2-propanol	FB	Ave	36240 1508945	82343	184510	328142	832907	10.0 400	20.0	50.0	100	200
Acrylonitrile	FB	Ave	175156 7643188	352291	868795	1699336	3768272	10.0 400	20.0	50.0	100	200
Methyl tert-butyl ether	FB	Ave	139955 6078083	285516	714788	1439491	3075308	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	54736 2072831	103155	251570	500088	1069131	1.00 40.0	2.00	5.00	10.0	20.0
Hexane	FB	Ave	10725 455555	22194	51427	104918	230317	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	81126 3448011	166930	409730	832192	1773410	1.00 40.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	88027 4206187	177639	476538	992089	2098831	1.00 40.0	2.00	5.00	10.0	20.0
cis-1,2-Dichloroethene	FB	Ave	57035 2264494	116480	278759	565374	1189038	1.00 40.0	2.00	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	11684 445323	21907	58586	120845	241048	1.00 40.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	12505 511818	24387	59681	120010	256717	2.00 80.0	4.00	10.0	20.0	40.0
Chlorobromomethane	FB	Ave	28543 1150919	56716	140018	275468	595090	1.00 40.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	31985 1272086	62314	150812	279158	634219	2.00 80.0	4.00	10.0	20.0	40.0
Chloroform	FB	Ave	83929 3460990	169874	422474	847597	1793716	1.00 40.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	63803 2533663	130349	334136	689229	1356966	1.00 40.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	68915 3105972	144320	368473	742256	1592895	1.00 40.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	66437 2816568	140972	343617	688186	1474449	1.00 40.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	56945 2706723	124489	318843	648774	1385341	1.00 40.0	2.00	5.00	10.0	20.0
Isobutyl alcohol	FB	Ave	31904 1496664	73133	177736	322275	821992	25.0 1000	50.0	125	250	500
Benzene	FB	Ave	207184 8390558	412777	1016161	2024145	4352726	1.00 40.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 364785

SDG No.:

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2019 11:37 Calibration End Date: 01/21/2019 13:26 Calibration ID: 49063

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichloroethane	FB	Ave	68031 2877185	142414	350758	707702	1492475	1.00 40.0	2.00	5.00	10.0	20.0
n-Heptane	FB	Ave	8801 415529	19095	48491	101813	218160	1.00 40.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	59121 2403531	120531	296310	593061	1274454	1.00 40.0	2.00	5.00	10.0	20.0
Methylcyclohexane	FB	Ave	60130 2723193	127322	326169	654672	1428283	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	43707 1981074	97800	239856	483376	1020861	1.00 40.0	2.00	5.00	10.0	20.0
Dibromomethane	FB	Ave	31111 1256838	65366	157375	317664	664429	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dioxane	FB	Lin1	5185 326819	14227	39232	71764	183906	20.0 800	40.0	100	200	400
Dichlorobromomethane	FB	Ave	57382 2704273	121869	306036	637533	1409597	1.00 40.0	2.00	5.00	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	61442 2796269	123378	319533	640886	1383920	2.00 80.0	4.00	10.0	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	62099 3274371	138202	356486	746312	1652896	1.00 40.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	98299 4186633	187250	495239	970866	2114735	2.00 80.0	4.00	10.0	20.0	40.0
Toluene	CBNZ d5	Ave	209687 9034071	428381	1080197	2172974	4691174	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	57707 3169409	125256	333930	706531	1578892	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBNZ d5	Ave	61421 2869285	129112	316654	647349	1421429	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBNZ d5	Ave	41853 1840913	87521	218933	437245	940456	1.00 40.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBNZ d5	Ave	44889 1992562	95990	241473	482895	1049416	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBNZ d5	Ave	72217 3294456	153833	378264	779324	1663194	1.00 40.0	2.00	5.00	10.0	20.0
2-Hexanone	CBNZ d5	Ave	58616 2937075	135481	337296	666112	1487023	2.00 80.0	4.00	10.0	20.0	40.0
Chlorodibromomethane	CBNZ d5	Ave	36977 2200067	82891	222991	469828	1084488	1.00 40.0	2.00	5.00	10.0	20.0
Ethylene Dibromide	CBNZ d5	Ave	45295 1979685	91132	237763	469490	999728	1.00 40.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBNZ d5	Ave	138107 6035718	286159	714138	1441533	3072375	1.00 40.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 364785

SDG No.:

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2019 11:37 Calibration End Date: 01/21/2019 13:26 Calibration ID: 49063

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	46702 2220799	95060	253355	522591	1113186	1.00 40.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBNZ d5	Ave	73699 3208633	146696	374569	758362	1624425	1.00 40.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBNZ d5	Ave	168049 7830315	351787	872988	1818169	3890600	1.00 40.0	2.00	5.00	10.0	20.0
o-Xylene	CBNZ d5	Ave	88147 3825283	176986	449671	918350	1968397	1.00 40.0	2.00	5.00	10.0	20.0
Styrene	CBNZ d5	Ave	137740 6714209	289260	754758	1550959	3394736	1.00 40.0	2.00	5.00	10.0	20.0
Bromoform	CBNZ d5	Lin1	19867 1639155	51580	138461	306750	770158	1.00 40.0	2.00	5.00	10.0	20.0
Isopropylbenzene	CBNZ d5	Ave	198841 9246149	416807	1070139	2200366	4695119	1.00 40.0	2.00	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	54865 2441270	112833	283791	577712	1238040	1.00 40.0	2.00	5.00	10.0	20.0
Bromobenzene	DCBd 4	Ave	63640 2849353	131876	330598	678570	1450127	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCBd 4	Ave	18846 848462	40526	99350	201010	423192	1.00 40.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	3277 574750	16039	23872	66363	276245	1.00 40.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCBd 4	Ave	54874 2529942	117423	290505	601438	1274023	1.00 40.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCBd 4	Ave	53702 2322347	107735	275264	555062	1188057	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	160683 7300680	332591	840604	1766210	3784392	1.00 40.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCBd 4	Ave	170473 7526400	356628	881245	1798133	3844885	1.00 40.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCBd 4	Ave	141080 6973779	300630	749194	1551899	3285832	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	169136 7660047	359918	876431	1848645	3917785	1.00 40.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCBd 4	Ave	173094 7876504	373619	937713	1935865	4155710	1.00 40.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCBd 4	Ave	113176 4738373	229119	572540	1168047	2462678	1.00 40.0	2.00	5.00	10.0	20.0
4-Isopropyltoluene	DCBd 4	Ave	154318 7046098	334169	830781	1751242	3739399	1.00 40.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCBd 4	Ave	119243 4936571	241629	582208	1199185	2527274	1.00 40.0	2.00	5.00	10.0	20.0

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

Lab Name: TestAmerica Canton Job No.: 240-109195-1 Analy Batch No.: 364785

SDG No.:

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2019 11:37 Calibration End Date: 01/21/2019 13:26 Calibration ID: 49063

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
n-Butylbenzene	DCBd 4	Ave	127428 5435677	263153	659506	1384405	2918965	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCBd 4	Ave	109056 4571601	224899	556492	1159176	2381785	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	10572 585195	24334	65389	138143	306515	1.00 40.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	73453 2553990	145803	356465	739836	1510157	1.00 40.0	2.00	5.00	10.0	20.0
Hexachlorobutadiene	DCBd 4	Qua	41867 1091039	78276	175613	359850	696597	1.00 40.0	2.00	5.00	10.0	20.0
Naphthalene	DCBd 4	Ave	172653 6820199	348942	926474	1891386	3879317	1.00 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	65430 2286670	131338	324635	663704	1364016	1.00 40.0	2.00	5.00	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	41840 1806247	80448	225163	447792	947952	1.00 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	55383 2257190	106482	288691	573781	1190875	1.00 40.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBNZ d5	Ave	174193 7359833	333303	912990	1816996	3883966	1.00 40.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	60446 2700470	120695	328418	649263	1374232	1.00 40.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8410.D
Lims ID: STD8260 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-Jan-2019 11:37:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0083824-002
Misc. Info.: C90121A-IC,8260LLUX15,,43582
Operator ID: Instrument ID: A3UX15
Sublist: chrom-8260_15*sub83

Method: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\8260_15.m
Limit Group: MSV 8260B ICAL
Last Update: 22-Jan-2019 09:12:44 Calib Date: 21-Jan-2019 19:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8431.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: evansle Date: 22-Jan-2019 09:12:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.208	5.196	0.012	99	1948244	10.0	10.0	
* 2 Chlorobenzene-d5	117	7.876	7.876	0.000	84	1580707	10.0	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.117	10.117	0.000	91	875018	10.0	10.0	
$ 4 Dibromofluoromethane (Surr	113	4.639	4.639	0.000	95	1806247	40.0	39.2	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.923	4.923	0.000	100	2257190	40.0	38.1	
$ 6 Toluene-d8 (Surr)	98	6.560	6.560	0.000	93	7359833	40.0	38.4	
$ 7 4-Bromofluorobenzene (Surr	95	8.979	8.979	0.000	97	2700470	40.0	39.4	
9 Dichlorodifluoromethane	85	1.532	1.532	0.000	99	2392918	40.0	40.0	
10 Chloromethane	50	1.698	1.686	0.012	99	2319242	40.0	38.0	
11 Vinyl chloride	62	1.793	1.781	0.012	98	2025909	40.0	36.0	
12 Butadiene	54	1.804	1.793	0.011	98	2665435	40.0	36.1	
13 Bromomethane	94	2.065	2.054	0.011	90	1506749	40.0	33.5	
14 Chloroethane	64	2.160	2.137	0.023	100	1406432	40.0	35.4	
15 Dichlorofluoromethane	67	2.314	2.303	0.011	97	3477509	40.0	35.0	
16 Trichlorofluoromethane	101	2.362	2.362	0.000	98	3407867	40.0	40.3	
17 Ethyl ether	59	2.575	2.563	0.012	89	1653914	40.0	36.8	
18 Acrolein	56	2.694	2.694	0.000	100	1148055	200.0	185.9	
19 1,1-Dichloroethene	96	2.812	2.777	0.035	98	2182381	40.0	37.3	
20 1,1,2-Trichloro-1,2,2-trif	151	2.812	2.789	0.023	79	1880984	40.0	39.1	
22 Acetone	58	2.824	2.812	0.012	99	332724	80.0	76.8	
23 Iodomethane	142	2.955	2.931	0.024	98	3255913	40.0	35.7	
24 Carbon disulfide	76	3.002	2.990	0.012	100	5174431	40.0	34.3	
25 3-Chloro-1-propene	76	3.085	3.073	0.012	88	1418141	40.0	42.9	
27 Methyl acetate	43	3.097	3.085	0.012	98	3067156	80.0	76.8	
28 Methylene Chloride	84	3.192	3.180	0.012	92	2032773	40.0	39.6	
29 2-Methyl-2-propanol	59	3.263	3.263	0.000	99	1508945	400.0	381.9	
32 Acrylonitrile	53	3.393	3.394	-0.001	99	7643188	400.0	407.9	
31 Methyl tert-butyl ether	73	3.405	3.405	0.000	96	6078083	40.0	39.8	
30 trans-1,2-Dichloroethene	96	3.417	3.405	0.012	95	2072831	40.0	38.1	
33 Hexane	86	3.631	3.619	0.012	93	455555	40.0	39.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	3.761	3.761	0.000	96	3448011	40.0	39.2	
36 Vinyl acetate	43	3.797	3.785	0.012	97	4206187	40.0	41.5	
39 cis-1,2-Dichloroethene	96	4.247	4.235	0.012	81	2264494	40.0	37.8	
40 2,2-Dichloropropane	97	4.247	4.247	0.000	60	445323	40.0	36.6	
41 2-Butanone (MEK)	72	4.247	4.247	0.000	99	511818	80.0	79.0	
45 Chlorobromomethane	128	4.449	4.449	0.000	89	1150919	40.0	38.6	
46 Tetrahydrofuran	42	4.484	4.485	-0.001	87	1272086	80.0	78.9	
47 Chloroform	83	4.508	4.496	0.012	93	3460990	40.0	38.6	
48 1,1,1-Trichloroethane	97	4.662	4.662	0.000	98	2533663	40.0	36.7	
49 Cyclohexane	56	4.722	4.710	0.012	90	3105972	40.0	39.9	
51 1,1-Dichloropropene	75	4.793	4.793	0.000	95	2816568	40.0	38.6	
50 Carbon tetrachloride	117	4.805	4.805	0.000	97	2706723	40.0	40.4	
52 Isobutyl alcohol	41	4.864	4.864	0.000	95	1496664	1000.0	1000.0	
53 Benzene	78	4.982	4.971	0.011	96	8390558	40.0	38.6	
54 1,2-Dichloroethane	62	4.994	4.983	0.011	98	2877185	40.0	38.7	
56 n-Heptane	100	5.172	5.160	0.012	93	415529	40.0	40.1	
58 Trichloroethene	130	5.516	5.504	0.012	96	2403531	40.0	38.1	
60 Methylcyclohexane	83	5.682	5.670	0.012	88	2723193	40.0	39.7	
61 1,2-Dichloropropane	63	5.706	5.706	0.000	95	1981074	40.0	39.3	
64 1,4-Dioxane	88	5.813	5.813	0.000	59	326819	800.0	772.3	
63 Dibromomethane	93	5.813	5.813	0.000	88	1256838	40.0	37.6	
65 Dichlorobromomethane	83	5.931	5.931	0.000	99	2704273	40.0	40.7	
67 2-Chloroethyl vinyl ether	63	6.180	6.180	0.000	93	2796269	80.0	82.2	
68 cis-1,3-Dichloropropene	75	6.322	6.323	-0.001	95	3274371	40.0	42.6	
69 4-Methyl-2-pentanone (MIBK	43	6.453	6.441	0.012	97	4186633	80.0	80.2	
70 Toluene	91	6.619	6.619	0.000	98	9034071	40.0	38.7	
71 trans-1,3-Dichloropropene	75	6.809	6.809	0.000	94	3169409	40.0	43.2	
72 Ethyl methacrylate	69	6.868	6.868	0.000	89	2869285	40.0	40.9	
73 1,1,2-Trichloroethane	97	6.975	6.975	0.000	91	1840913	40.0	39.1	
74 Tetrachloroethene	164	7.117	7.117	0.000	96	1992562	40.0	38.6	
75 1,3-Dichloropropane	76	7.129	7.129	0.000	93	3294456	40.0	39.7	
76 2-Hexanone	43	7.188	7.188	0.000	97	2937075	80.0	81.4	
79 Chlorodibromomethane	129	7.342	7.342	0.000	90	2200067	40.0	44.7	
80 Ethylene Dibromide	107	7.461	7.461	0.000	98	1979685	40.0	39.2	
82 Chlorobenzene	112	7.900	7.900	0.000	96	6035718	40.0	39.1	
83 1,1,1,2-Tetrachloroethane	131	7.971	7.971	0.000	94	2220799	40.0	40.7	
84 Ethylbenzene	106	7.995	7.995	0.000	98	3208633	40.0	39.5	
85 m-Xylene & p-Xylene	91	8.101	8.101	0.000	93	7830315	40.0	40.6	
86 o-Xylene	106	8.481	8.481	0.000	97	3825283	40.0	39.1	
87 Styrene	104	8.493	8.493	0.000	94	6714209	40.0	41.0	
88 Bromoform	173	8.682	8.682	0.000	98	1639155	40.0	41.4	
89 Isopropylbenzene	105	8.825	8.825	0.000	95	9246149	40.0	40.0	
93 1,1,2,2-Tetrachloroethane	83	9.121	9.121	0.000	97	2441270	40.0	39.4	
92 Bromobenzene	156	9.145	9.133	0.012	90	2849353	40.0	39.4	
94 1,2,3-Trichloropropane	110	9.169	9.169	0.000	85	848462	40.0	39.3	
95 trans-1,4-Dichloro-2-buten	53	9.169	9.169	0.000	80	574750	40.0	64.8	
96 N-Propylbenzene	120	9.228	9.228	0.000	98	2529942	40.0	39.7	
97 2-Chlorotoluene	126	9.323	9.323	0.000	98	2322347	40.0	38.9	
98 1,3,5-Trimethylbenzene	105	9.394	9.394	0.000	94	7300680	40.0	39.4	
99 4-Chlorotoluene	91	9.418	9.418	0.000	98	7526400	40.0	39.0	
101 tert-Butylbenzene	119	9.714	9.714	0.000	92	6973779	40.0	42.0	
103 1,2,4-Trimethylbenzene	105	9.761	9.762	-0.001	94	7660047	40.0	39.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	9.927	9.928	-0.001	93	7876504	40.0	38.7	
106 1,3-Dichlorobenzene	146	10.046	10.046	0.000	98	4738373	40.0	38.0	
107 4-Isopropyltoluene	119	10.070	10.070	0.000	97	7046098	40.0	38.7	
108 1,4-Dichlorobenzene	146	10.141	10.141	0.000	97	4936571	40.0	38.2	
111 n-Butylbenzene	91	10.473	10.473	0.000	97	5435677	40.0	37.7	
112 1,2-Dichlorobenzene	146	10.509	10.509	0.000	99	4571601	40.0	37.7	
113 1,2-Dibromo-3-Chloropropan	157	11.291	11.291	0.000	93	585195	40.0	41.5	
115 1,2,4-Trichlorobenzene	180	12.109	12.110	-0.001	94	2553990	40.0	33.2	
116 Hexachlorobutadiene	225	12.275	12.276	-0.001	93	1091039	40.0	39.8	
117 Naphthalene	128	12.358	12.359	-0.001	96	6820199	40.0	35.3	
118 1,2,3-Trichlorobenzene	180	12.608	12.608	0.000	95	2286670	40.0	33.1	
S 127 1,2-Dichloroethene, Total	96				0			75.8	
S 128 1,3-Dichloropropene, Total	75				0			85.8	
S 129 Xylenes, Total	106				0		80.0	79.7	
S 130 Trihalomethanes, Total	1				0		160.0	165.3	
S 157 Total BTEX	1		0.000				200.0	ND	

Reagents:

vm50ss_stk_00079	Amount Added:	32.00	Units: uL
VM50IS_00072	Amount Added:	1.00	Units: uL
VMRPRIMW_00318	Amount Added:	32.00	Units: uL
VMAROLISTDW_00281	Amount Added:	32.00	Units: uL
VMRGAS_00278	Amount Added:	32.00	Units: uL

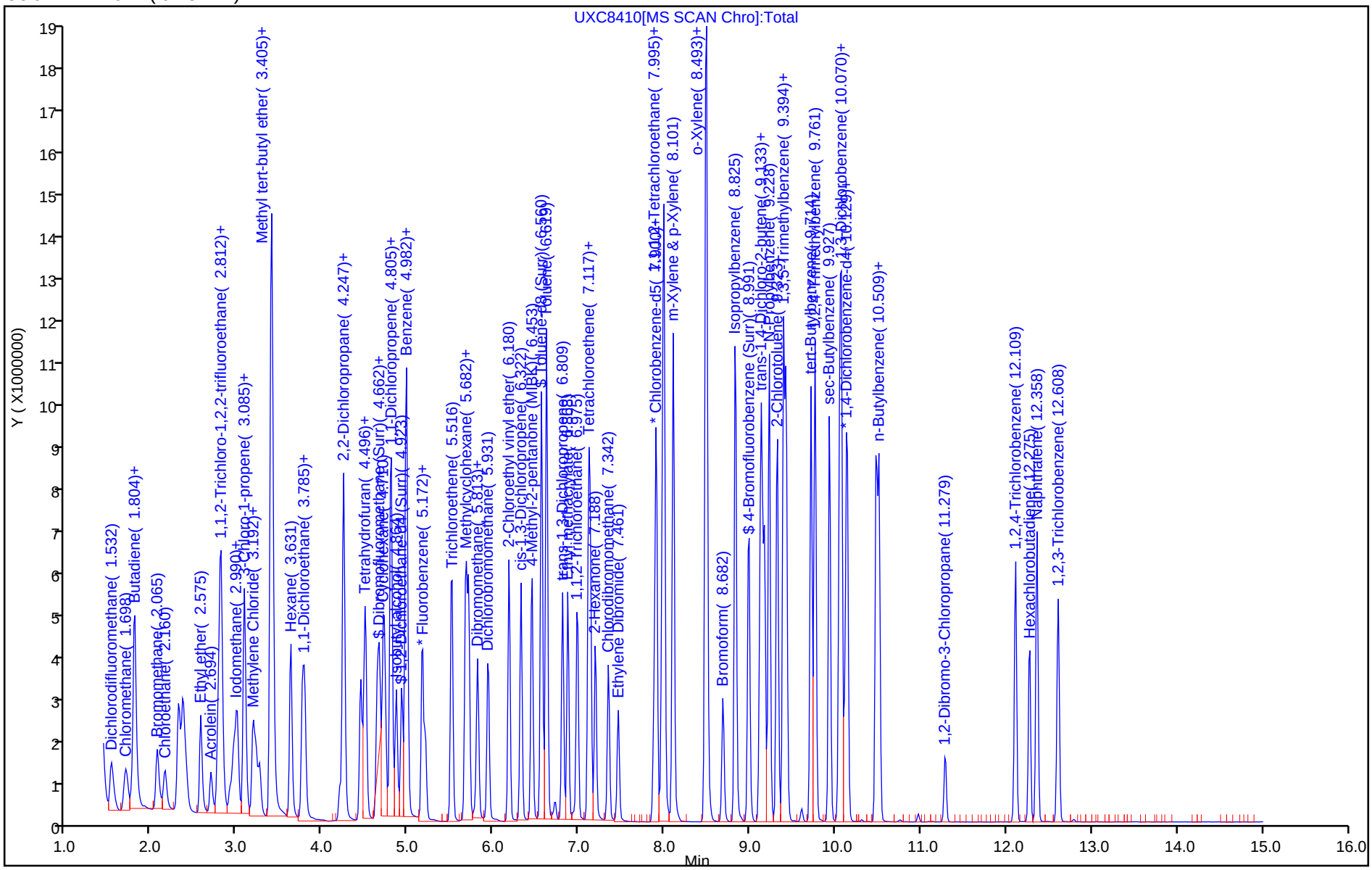
Report Date: 22-Jan-2019 09:12:46 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8410.D

Injection Date:	21-Jan-2019 11:37:30	Instrument ID:	A3UX15	Operator ID:	
Lims ID:	STD8260 L6			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260_15	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8411.D
Lims ID: STD8260 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Jan-2019 11:59:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0083824-003
Misc. Info.: C90121A-IC,8260LLUX15,,43582
Operator ID: Instrument ID: A3UX15
Sublist: chrom-8260_15*sub83

Method: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\8260_15.m
Limit Group: MSV 8260B ICAL
Last Update: 22-Jan-2019 09:09:37 Calib Date: 21-Jan-2019 19:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8431.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: evansle Date: 21-Jan-2019 12:41:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.196	5.196	0.000	99	1920375	10.0	10.0	
* 2 Chlorobenzene-d5	117	7.876	7.876	0.000	84	1534484	10.0	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.117	10.117	0.000	90	858675	10.0	10.0	
$ 4 Dibromofluoromethane (Surr	113	4.639	4.639	0.000	95	947952	20.0	20.9	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.923	4.923	0.000	100	1190875	20.0	20.4	
$ 6 Toluene-d8 (Surr)	98	6.560	6.560	0.000	93	3883966	20.0	20.9	
$ 7 4-Bromofluorobenzene (Surr	95	8.979	8.979	0.000	96	1374232	20.0	20.6	
9 Dichlorodifluoromethane	85	1.532	1.532	0.000	99	1222220	20.0	20.7	
10 Chloromethane	50	1.698	1.686	0.012	99	1207742	20.0	20.1	
11 Vinyl chloride	62	1.793	1.781	0.012	98	1027051	20.0	18.5	
12 Butadiene	54	1.793	1.793	0.000	98	1378009	20.0	18.9	
13 Bromomethane	94	2.065	2.054	0.011	90	791041	20.0	17.8	
14 Chloroethane	64	2.160	2.137	0.023	100	733356	20.0	18.7	
15 Dichlorofluoromethane	67	2.314	2.303	0.011	98	1834172	20.0	18.7	
16 Trichlorofluoromethane	101	2.362	2.362	0.000	99	1703371	20.0	20.5	
17 Ethyl ether	59	2.575	2.563	0.012	90	869536	20.0	19.6	
18 Acrolein	56	2.694	2.694	0.000	99	603583	100.0	99.2	
19 1,1-Dichloroethene	96	2.801	2.777	0.024	98	1125076	20.0	19.5	
20 1,1,2-Trichloro-1,2,2-trif	151	2.801	2.789	0.012	78	967763	20.0	20.4	
22 Acetone	58	2.824	2.812	0.012	100	190030	40.0	43.5	
23 Iodomethane	142	2.955	2.931	0.024	98	1760595	20.0	19.6	
24 Carbon disulfide	76	3.002	2.990	0.012	100	2744114	20.0	18.5	
25 3-Chloro-1-propene	76	3.073	3.073	0.000	88	716236	20.0	22.0	
27 Methyl acetate	43	3.085	3.085	0.000	98	1550490	40.0	39.4	
28 Methylene Chloride	84	3.180	3.180	0.000	92	1097865	20.0	20.6	
29 2-Methyl-2-propanol	59	3.263	3.263	0.000	99	832907	200.0	213.8	
32 Acrylonitrile	53	3.394	3.394	0.000	98	3768272	200.0	204.0	
31 Methyl tert-butyl ether	73	3.405	3.405	0.000	96	3075308	20.0	20.4	
30 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	95	1069131	20.0	19.9	
33 Hexane	86	3.631	3.619	0.012	94	230317	20.0	20.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	3.761	3.761	0.000	96	1773410	20.0	20.4	
36 Vinyl acetate	43	3.785	3.785	0.000	97	2098831	20.0	21.0	
39 cis-1,2-Dichloroethene	96	4.247	4.235	0.012	81	1189038	20.0	20.1	
40 2,2-Dichloropropane	97	4.247	4.247	0.000	65	241048	20.0	20.1	
41 2-Butanone (MEK)	72	4.247	4.247	0.000	99	256717	40.0	40.2	
45 Chlorobromomethane	128	4.449	4.449	0.000	87	595090	20.0	20.2	
46 Tetrahydrofuran	42	4.485	4.485	0.000	87	634219	40.0	39.9	
47 Chloroform	83	4.496	4.496	0.000	93	1793716	20.0	20.3	
48 1,1,1-Trichloroethane	97	4.662	4.662	0.000	98	1356966	20.0	19.9	
49 Cyclohexane	56	4.710	4.710	0.000	90	1592895	20.0	20.8	
51 1,1-Dichloropropene	75	4.793	4.793	0.000	94	1474449	20.0	20.5	
50 Carbon tetrachloride	117	4.805	4.805	0.000	96	1385341	20.0	21.0	
52 Isobutyl alcohol	41	4.864	4.864	0.000	94	821992	500.0	557.2	
53 Benzene	78	4.971	4.971	0.000	95	4352726	20.0	20.3	
54 1,2-Dichloroethane	62	4.983	4.983	0.000	97	1492475	20.0	20.3	
56 n-Heptane	100	5.160	5.160	0.000	92	218160	20.0	21.3	
58 Trichloroethene	130	5.504	5.504	0.000	96	1274454	20.0	20.5	
60 Methylcyclohexane	83	5.670	5.670	0.000	90	1428283	20.0	21.1	
61 1,2-Dichloropropane	63	5.706	5.706	0.000	95	1020861	20.0	20.5	
64 1,4-Dioxane	88	5.813	5.813	0.000	37	183906	400.0	443.3	
63 Dibromomethane	93	5.813	5.813	0.000	88	664429	20.0	20.2	
65 Dichlorobromomethane	83	5.931	5.931	0.000	99	1409597	20.0	21.5	
67 2-Chloroethyl vinyl ether	63	6.180	6.180	0.000	93	1383920	40.0	41.3	
68 cis-1,3-Dichloropropene	75	6.323	6.323	0.000	94	1652896	20.0	21.8	
69 4-Methyl-2-pentanone (MIBK	43	6.453	6.441	0.012	97	2114735	40.0	41.1	
70 Toluene	91	6.619	6.619	0.000	98	4691174	20.0	20.7	
71 trans-1,3-Dichloropropene	75	6.809	6.809	0.000	94	1578892	20.0	22.1	
72 Ethyl methacrylate	69	6.868	6.868	0.000	90	1421429	20.0	20.9	
73 1,1,2-Trichloroethane	97	6.975	6.975	0.000	91	940456	20.0	20.6	
74 Tetrachloroethene	164	7.117	7.117	0.000	96	1049416	20.0	20.9	
75 1,3-Dichloropropane	76	7.129	7.129	0.000	93	1663194	20.0	20.7	
76 2-Hexanone	43	7.188	7.188	0.000	96	1487023	40.0	42.4	
79 Chlorodibromomethane	129	7.342	7.342	0.000	90	1084488	20.0	22.7	
80 Ethylene Dibromide	107	7.461	7.461	0.000	99	999728	20.0	20.4	
82 Chlorobenzene	112	7.900	7.900	0.000	95	3072375	20.0	20.5	
83 1,1,1,2-Tetrachloroethane	131	7.971	7.971	0.000	95	1113186	20.0	21.0	
84 Ethylbenzene	106	7.995	7.995	0.000	98	1624425	20.0	20.6	
85 m-Xylene & p-Xylene	91	8.101	8.101	0.000	93	3890600	20.0	20.8	
86 o-Xylene	106	8.481	8.481	0.000	96	1968397	20.0	20.7	
87 Styrene	104	8.493	8.493	0.000	93	3394736	20.0	21.4	
88 Bromoform	173	8.682	8.682	0.000	98	770158	20.0	20.3	
89 Isopropylbenzene	105	8.825	8.825	0.000	96	4695119	20.0	20.9	
93 1,1,2,2-Tetrachloroethane	83	9.121	9.121	0.000	97	1238040	20.0	20.3	
92 Bromobenzene	156	9.145	9.133	0.012	89	1450127	20.0	20.4	
94 1,2,3-Trichloropropane	110	9.169	9.169	0.000	84	423192	20.0	20.0	
95 trans-1,4-Dichloro-2-buten	53	9.169	9.169	0.000	75	276245	20.0	31.7	
96 N-Propylbenzene	120	9.228	9.228	0.000	98	1274023	20.0	20.4	
97 2-Chlorotoluene	126	9.323	9.323	0.000	98	1188057	20.0	20.3	
98 1,3,5-Trimethylbenzene	105	9.394	9.394	0.000	94	3784392	20.0	20.8	
99 4-Chlorotoluene	91	9.418	9.418	0.000	98	3844885	20.0	20.3	
101 tert-Butylbenzene	119	9.714	9.714	0.000	92	3285832	20.0	20.2	
103 1,2,4-Trimethylbenzene	105	9.762	9.762	0.000	94	3917785	20.0	20.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	9.928	9.928	0.000	93	4155710	20.0	20.8	
106 1,3-Dichlorobenzene	146	10.046	10.046	0.000	98	2462678	20.0	20.1	
107 4-Isopropyltoluene	119	10.070	10.070	0.000	97	3739399	20.0	20.9	
108 1,4-Dichlorobenzene	146	10.141	10.141	0.000	97	2527274	20.0	19.9	
111 n-Butylbenzene	91	10.473	10.473	0.000	97	2918965	20.0	20.6	
112 1,2-Dichlorobenzene	146	10.509	10.509	0.000	99	2381785	20.0	20.0	
113 1,2-Dibromo-3-Chloropropan	157	11.291	11.291	0.000	93	306515	20.0	22.2	
115 1,2,4-Trichlorobenzene	180	12.110	12.110	0.000	94	1510157	20.0	20.0	
116 Hexachlorobutadiene	225	12.276	12.276	0.000	93	696597	20.0	20.4	
117 Naphthalene	128	12.359	12.359	0.000	96	3879317	20.0	20.5	
118 1,2,3-Trichlorobenzene	180	12.608	12.608	0.000	96	1364016	20.0	20.1	
S 127 1,2-Dichloroethene, Total	96				0			40.0	
S 128 1,3-Dichloropropene, Total	75				0			44.0	
S 129 Xylenes, Total	106				0		40.0	41.5	
S 130 Trihalomethanes, Total	1				0		80.0	84.8	
S 157 Total BTEX	1		0.000				100.0	ND	

Reagents:

vm50ss_stk_00079	Amount Added:	16.00	Units: uL
VM50IS_00072	Amount Added:	1.00	Units: uL
VMRPRIMW_00318	Amount Added:	16.00	Units: uL
VMAROLISTDW_00281	Amount Added:	16.00	Units: uL
VMRGAS_00278	Amount Added:	16.00	Units: uL

Report Date: 22-Jan-2019 09:09:38 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8411.D

Injection Date: 21-Jan-2019 11:59:30 Instrument ID: A3UX15 Operator ID:

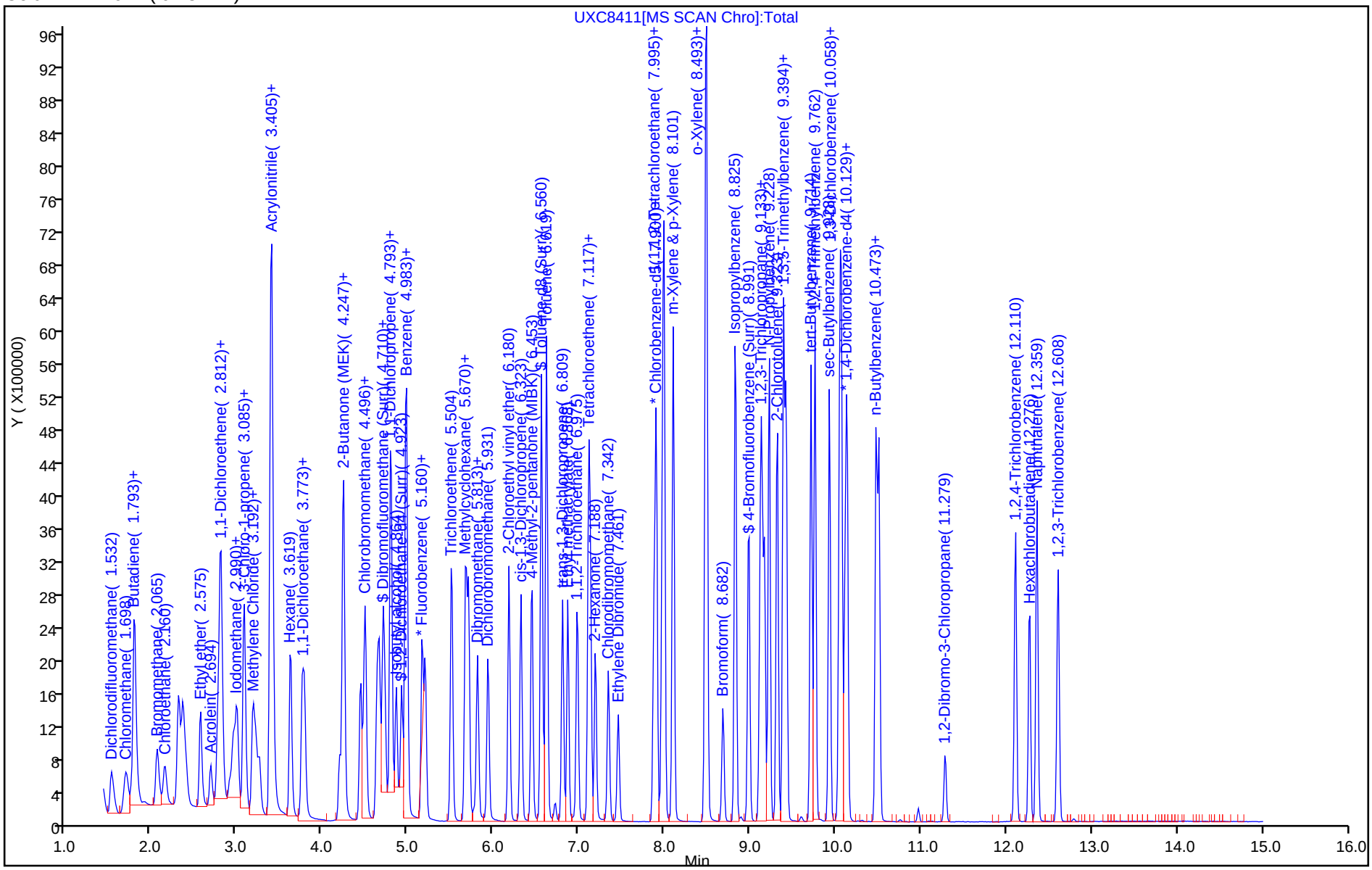
Lims ID: STD8260 L5 Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260_15 Limit Group: MSV 8260B ICAL

Column: DB-624 (0.18 mm)



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8412.D
Lims ID: STD8260 L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 21-Jan-2019 12:21:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0083824-004
Misc. Info.: C90121A-IC,8260LLUX15,,43582
Operator ID: Instrument ID: A3UX15
Sublist: chrom-8260_15*sub83

Method: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\8260_15.m
Limit Group: MSV 8260B ICAL
Last Update: 22-Jan-2019 09:09:43 Calib Date: 21-Jan-2019 19:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8431.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: evansle Date: 21-Jan-2019 12:44:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.196	5.196	0.000	99	1873821	10.0	10.0	
* 2 Chlorobenzene-d5	117	7.876	7.876	0.000	85	1485792	10.0	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.117	10.117	0.000	93	831741	10.0	10.0	
$ 4 Dibromofluoromethane (Surr	113	4.639	4.639	0.000	95	447792	10.0	10.1	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.923	4.923	0.000	100	573781	10.0	10.1	
$ 6 Toluene-d8 (Surr)	98	6.560	6.560	0.000	93	1816996	10.0	10.1	
$ 7 4-Bromofluorobenzene (Surr	95	8.979	8.979	0.000	96	649263	10.0	10.1	
9 Dichlorodifluoromethane	85	1.532	1.532	0.000	99	593761	10.0	10.3	
10 Chloromethane	50	1.686	1.686	0.000	99	585358	10.0	9.96	
11 Vinyl chloride	62	1.781	1.781	0.000	98	574312	10.0	10.6	
12 Butadiene	54	1.793	1.793	0.000	98	698736	10.0	9.83	
13 Bromomethane	94	2.054	2.054	0.000	91	423055	10.0	9.78	
14 Chloroethane	64	2.137	2.137	0.000	100	372694	10.0	9.74	
15 Dichlorofluoromethane	67	2.303	2.303	0.000	97	910063	10.0	9.52	
16 Trichlorofluoromethane	101	2.362	2.362	0.000	99	855986	10.0	10.5	
17 Ethyl ether	59	2.563	2.563	0.000	91	419544	10.0	9.69	
18 Acrolein	56	2.694	2.694	0.000	99	290454	50.0	48.9	
19 1,1-Dichloroethene	96	2.777	2.777	0.000	98	516876	10.0	9.18	
20 1,1,2-Trichloro-1,2,2-trif	151	2.789	2.789	0.000	87	462285	10.0	10.0	
22 Acetone	58	2.812	2.812	0.000	99	89168	20.0	19.7	
23 Iodomethane	142	2.931	2.931	0.000	98	909454	10.0	10.4	
24 Carbon disulfide	76	2.990	2.990	0.000	100	1445567	10.0	9.97	
25 3-Chloro-1-propene	76	3.073	3.073	0.000	88	317161	10.0	9.97	
27 Methyl acetate	43	3.085	3.085	0.000	97	723073	20.0	18.8	
28 Methylene Chloride	84	3.180	3.180	0.000	92	580808	10.0	10.0	
29 2-Methyl-2-propanol	59	3.263	3.263	0.000	99	328142	100.0	86.3	
32 Acrylonitrile	53	3.394	3.394	0.000	98	1699336	100.0	94.3	
30 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	97	500088	10.0	9.55	
31 Methyl tert-butyl ether	73	3.405	3.405	0.000	96	1439491	10.0	9.81	
33 Hexane	86	3.619	3.619	0.000	95	104918	10.0	9.55	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	3.761	3.761	0.000	96	832192	10.0	9.83	
36 Vinyl acetate	43	3.785	3.785	0.000	97	992089	10.0	10.2	
39 cis-1,2-Dichloroethene	96	4.235	4.235	0.000	81	565374	10.0	9.80	
41 2-Butanone (MEK)	72	4.247	4.247	0.000	98	120010	20.0	19.3	
40 2,2-Dichloropropane	97	4.247	4.247	0.000	70	120845	10.0	10.3	
45 Chlorobromomethane	128	4.449	4.449	0.000	88	275468	10.0	9.60	
46 Tetrahydrofuran	42	4.485	4.485	0.000	87	279158	20.0	18.0	
47 Chloroform	83	4.496	4.496	0.000	93	847597	10.0	9.82	
48 1,1,1-Trichloroethane	97	4.662	4.662	0.000	98	689229	10.0	10.4	
49 Cyclohexane	56	4.710	4.710	0.000	91	742256	10.0	9.92	
51 1,1-Dichloropropene	75	4.793	4.793	0.000	94	688186	10.0	9.80	
50 Carbon tetrachloride	117	4.805	4.805	0.000	96	648774	10.0	10.1	
52 Isobutyl alcohol	41	4.864	4.864	0.000	95	322275	250.0	223.9	
53 Benzene	78	4.971	4.971	0.000	96	2024145	10.0	9.68	
54 1,2-Dichloroethane	62	4.983	4.983	0.000	98	707702	10.0	9.89	
56 n-Heptane	100	5.160	5.160	0.000	93	101813	10.0	10.2	
58 Trichloroethene	130	5.504	5.504	0.000	96	593061	10.0	9.77	
60 Methylcyclohexane	83	5.670	5.670	0.000	90	654672	10.0	9.91	
61 1,2-Dichloropropane	63	5.706	5.706	0.000	94	483376	10.0	9.96	
63 Dibromomethane	93	5.813	5.813	0.000	89	317664	10.0	9.87	
64 1,4-Dioxane	88	5.813	5.813	0.000	33	71764	200.0	180.7	
65 Dichlorobromomethane	83	5.931	5.931	0.000	99	637533	10.0	9.98	
67 2-Chloroethyl vinyl ether	63	6.180	6.180	0.000	93	640886	20.0	19.6	
68 cis-1,3-Dichloropropene	75	6.323	6.323	0.000	95	746312	10.0	10.1	
69 4-Methyl-2-pentanone (MIBK	43	6.441	6.441	0.000	97	970866	20.0	19.3	
70 Toluene	91	6.619	6.619	0.000	98	2172974	10.0	9.91	
71 trans-1,3-Dichloropropene	75	6.809	6.809	0.000	94	706531	10.0	10.2	
72 Ethyl methacrylate	69	6.868	6.868	0.000	89	647349	10.0	9.81	
73 1,1,2-Trichloroethane	97	6.975	6.975	0.000	91	437245	10.0	9.87	
74 Tetrachloroethene	164	7.117	7.117	0.000	96	482895	10.0	9.95	
75 1,3-Dichloropropane	76	7.129	7.129	0.000	93	779324	10.0	10.0	
76 2-Hexanone	43	7.188	7.188	0.000	97	666112	20.0	19.6	
79 Chlorodibromomethane	129	7.342	7.342	0.000	90	469828	10.0	10.1	
80 Ethylene Dibromide	107	7.461	7.461	0.000	98	469490	10.0	9.90	
82 Chlorobenzene	112	7.900	7.900	0.000	95	1441533	10.0	9.92	
83 1,1,1,2-Tetrachloroethane	131	7.971	7.971	0.000	94	522591	10.0	10.2	
84 Ethylbenzene	106	7.995	7.995	0.000	98	758362	10.0	9.92	
85 m-Xylene & p-Xylene	91	8.101	8.101	0.000	93	1818169	10.0	10.0	
86 o-Xylene	106	8.481	8.481	0.000	96	918350	10.0	9.99	
87 Styrene	104	8.493	8.493	0.000	93	1550959	10.0	10.1	
88 Bromoform	173	8.682	8.682	0.000	98	306750	10.0	8.74	
89 Isopropylbenzene	105	8.825	8.825	0.000	95	2200366	10.0	10.1	
93 1,1,2,2-Tetrachloroethane	83	9.121	9.121	0.000	97	577712	10.0	9.80	
92 Bromobenzene	156	9.133	9.133	0.000	89	678570	10.0	9.86	
95 trans-1,4-Dichloro-2-buten	53	9.169	9.169	0.000	75	66363	10.0	7.87	
94 1,2,3-Trichloropropane	110	9.169	9.169	0.000	83	201010	10.0	9.79	
96 N-Propylbenzene	120	9.228	9.228	0.000	98	601438	10.0	9.92	
97 2-Chlorotoluene	126	9.323	9.323	0.000	98	555062	10.0	9.78	
98 1,3,5-Trimethylbenzene	105	9.394	9.394	0.000	94	1766210	10.0	10.0	
99 4-Chlorotoluene	91	9.418	9.418	0.000	98	1798133	10.0	9.80	
101 tert-Butylbenzene	119	9.714	9.714	0.000	91	1551899	10.0	9.83	
103 1,2,4-Trimethylbenzene	105	9.762	9.762	0.000	94	1848645	10.0	9.98	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	9.928	9.928	0.000	94	1935865	10.0	10.0	
106 1,3-Dichlorobenzene	146	10.046	10.046	0.000	99	1168047	10.0	9.86	
107 4-Isopropyltoluene	119	10.070	10.070	0.000	97	1751242	10.0	10.1	
108 1,4-Dichlorobenzene	146	10.141	10.141	0.000	97	1199185	10.0	9.76	
111 n-Butylbenzene	91	10.473	10.473	0.000	97	1384405	10.0	10.1	
112 1,2-Dichlorobenzene	146	10.509	10.509	0.000	99	1159176	10.0	10.0	
113 1,2-Dibromo-3-Chloropropan	157	11.291	11.291	0.000	91	138143	10.0	10.3	
115 1,2,4-Trichlorobenzene	180	12.110	12.110	0.000	93	739836	10.0	10.1	
116 Hexachlorobutadiene	225	12.276	12.276	0.000	93	359850	10.0	9.75	
117 Naphthalene	128	12.359	12.359	0.000	96	1891386	10.0	10.3	
118 1,2,3-Trichlorobenzene	180	12.608	12.608	0.000	95	663704	10.0	10.1	
S 129 Xylenes, Total	106				0		20.0	20.0	
S 157 Total BTEX	1		0.000				50.0	ND	
S 130 Trihalomethanes, Total	1				0		40.0	38.7	

Reagents:

VM50IS_00072	Amount Added:	1.00	Units: uL	
vm50ss_stk_00079	Amount Added:	8.00	Units: uL	
VMRPRIMW_00318	Amount Added:	8.00	Units: uL	
VMAROLISTDW_00281	Amount Added:	8.00	Units: uL	
VMRGAS_00278	Amount Added:	8.00	Units: uL	

Report Date: 22-Jan-2019 09:09:44 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8412.D

Injection Date: 21-Jan-2019 12:21:30 Instrument ID: A3UX15 Operator ID:

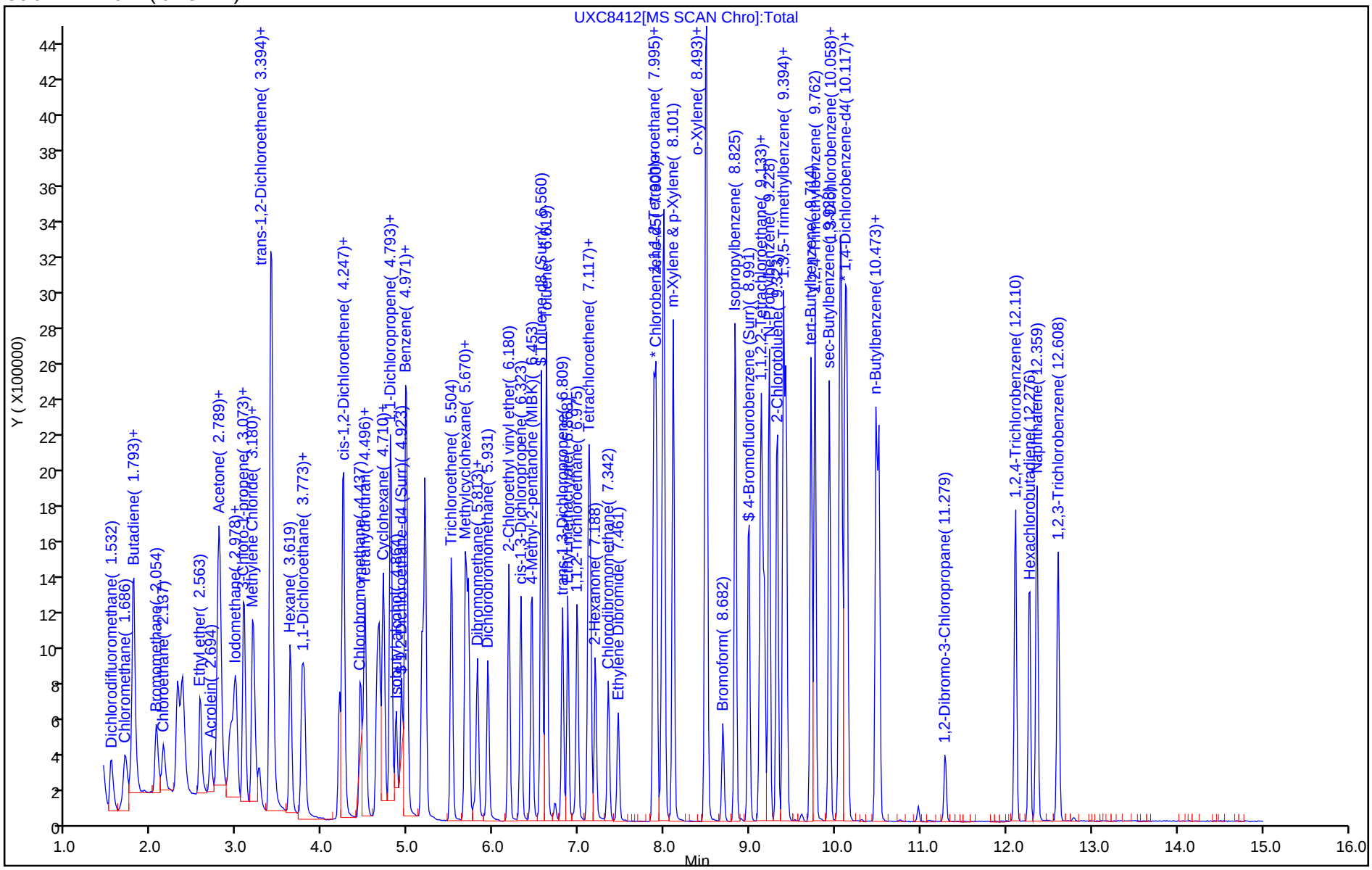
Lims ID: STD8260 L4 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260_15 Limit Group: MSV 8260B ICAL

Column: DB-624 (0.18 mm)



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8413.D
Lims ID: STD8260 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Jan-2019 12:43:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0083824-005
Misc. Info.: C90121A-IC,8260LLUX15,,43582
Operator ID: Instrument ID: A3UX15
Sublist: chrom-8260_15*sub83

Method: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\8260_15.m
Limit Group: MSV 8260B ICAL
Last Update: 22-Jan-2019 09:09:48 Calib Date: 21-Jan-2019 19:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8431.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: evansle Date: 21-Jan-2019 13:20:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.196	5.196	0.000	99	1838760	10.0	10.0	
* 2 Chlorobenzene-d5	117	7.876	7.876	0.000	85	1476200	10.0	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.117	10.117	0.000	93	809369	10.0	10.0	
$ 4 Dibromofluoromethane (Surr	113	4.639	4.639	0.000	95	225163	5.00	5.18	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.923	4.923	0.000	100	288691	5.00	5.16	
$ 6 Toluene-d8 (Surr)	98	6.560	6.560	0.000	93	912990	5.00	5.10	
$ 7 4-Bromofluorobenzene (Surr	95	8.979	8.979	0.000	96	328418	5.00	5.13	
9 Dichlorodifluoromethane	85	1.520	1.532	-0.012	99	296202	5.00	5.24	
10 Chloromethane	50	1.686	1.686	0.000	99	276149	5.00	4.79	
11 Vinyl chloride	62	1.781	1.781	0.000	67	261470	5.00	4.93	
12 Butadiene	54	1.793	1.793	0.000	95	361713	5.00	5.18	
13 Bromomethane	94	2.053	2.054	-0.001	91	198900	5.00	4.69	
14 Chloroethane	64	2.136	2.137	-0.001	100	182320	5.00	4.86	
15 Dichlorofluoromethane	67	2.302	2.303	-0.001	98	471934	5.00	5.03	
16 Trichlorofluoromethane	101	2.362	2.362	0.000	98	408598	5.00	5.12	
17 Ethyl ether	59	2.563	2.563	0.000	90	212667	5.00	5.01	
18 Acrolein	56	2.694	2.694	0.000	99	144856	25.0	24.9	
19 1,1-Dichloroethene	96	2.789	2.777	0.012	98	277159	5.00	5.02	
20 1,1,2-Trichloro-1,2,2-trif	151	2.789	2.789	0.000	87	228498	5.00	5.04	
22 Acetone	58	2.812	2.812	0.000	99	50751	10.0	10.4	
23 Iodomethane	142	2.943	2.931	0.012	98	446819	5.00	5.20	
24 Carbon disulfide	76	2.990	2.990	0.000	100	742305	5.00	5.21	
25 3-Chloro-1-propene	76	3.073	3.073	0.000	88	154763	5.00	4.96	
27 Methyl acetate	43	3.085	3.085	0.000	98	380996	10.0	10.1	
28 Methylene Chloride	84	3.180	3.180	0.000	93	338417	5.00	4.93	
29 2-Methyl-2-propanol	59	3.263	3.263	0.000	99	184510	50.0	49.5	
32 Acrylonitrile	53	3.393	3.394	-0.001	98	868795	50.0	49.1	
31 Methyl tert-butyl ether	73	3.405	3.405	0.000	96	714788	5.00	4.96	
30 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	98	251570	5.00	4.89	
33 Hexane	86	3.631	3.619	0.012	94	51427	5.00	4.77	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	3.761	3.761	0.000	96	409730	5.00	4.93	
36 Vinyl acetate	43	3.785	3.785	0.000	97	476538	5.00	4.99	
39 cis-1,2-Dichloroethene	96	4.235	4.235	0.000	80	278759	5.00	4.92	
40 2,2-Dichloropropane	97	4.247	4.247	0.000	68	58586	5.00	5.11	
41 2-Butanone (MEK)	72	4.247	4.247	0.000	99	59681	10.0	9.76	
45 Chlorobromomethane	128	4.449	4.449	0.000	89	140018	5.00	4.97	
46 Tetrahydrofuran	42	4.484	4.485	-0.001	88	150812	10.0	9.91	
47 Chloroform	83	4.496	4.496	0.000	93	422474	5.00	4.99	
48 1,1,1-Trichloroethane	97	4.662	4.662	0.000	97	334136	5.00	5.12	
49 Cyclohexane	56	4.710	4.710	0.000	90	368473	5.00	5.02	
51 1,1-Dichloropropene	75	4.793	4.793	0.000	93	343617	5.00	4.99	
50 Carbon tetrachloride	117	4.805	4.805	0.000	96	318843	5.00	5.04	
52 Isobutyl alcohol	41	4.864	4.864	0.000	94	177736	125.0	125.8	
53 Benzene	78	4.971	4.971	0.000	96	1016161	5.00	4.95	
54 1,2-Dichloroethane	62	4.982	4.983	-0.001	97	350758	5.00	4.99	
56 n-Heptane	100	5.160	5.160	0.000	93	48491	5.00	4.96	
58 Trichloroethene	130	5.504	5.504	0.000	96	296310	5.00	4.97	
60 Methylcyclohexane	83	5.670	5.670	0.000	89	326169	5.00	5.03	
61 1,2-Dichloropropane	63	5.706	5.706	0.000	94	239856	5.00	5.04	
64 1,4-Dioxane	88	5.813	5.813	0.000	33	39232	100.0	103.2	M
63 Dibromomethane	93	5.813	5.813	0.000	89	157375	5.00	4.99	
65 Dichlorobromomethane	83	5.931	5.931	0.000	99	306036	5.00	4.88	
67 2-Chloroethyl vinyl ether	63	6.180	6.180	0.000	93	319533	10.0	9.96	
68 cis-1,3-Dichloropropene	75	6.322	6.323	-0.001	94	356486	5.00	4.92	
69 4-Methyl-2-pentanone (MIBK	43	6.441	6.441	0.000	97	495239	10.0	10.1	
70 Toluene	91	6.619	6.619	0.000	98	1080197	5.00	4.96	
71 trans-1,3-Dichloropropene	75	6.809	6.809	0.000	94	333930	5.00	4.87	
72 Ethyl methacrylate	69	6.868	6.868	0.000	89	316654	5.00	4.83	
73 1,1,2-Trichloroethane	97	6.975	6.975	0.000	91	218933	5.00	4.97	
74 Tetrachloroethene	164	7.117	7.117	0.000	96	241473	5.00	5.01	
75 1,3-Dichloropropane	76	7.129	7.129	0.000	92	378264	5.00	4.89	
76 2-Hexanone	43	7.188	7.188	0.000	97	337296	10.0	10.0	
79 Chlorodibromomethane	129	7.342	7.342	0.000	89	222991	5.00	4.85	
80 Ethylene Dibromide	107	7.461	7.461	0.000	97	237763	5.00	5.05	
82 Chlorobenzene	112	7.900	7.900	0.000	95	714138	5.00	4.95	
83 1,1,1,2-Tetrachloroethane	131	7.971	7.971	0.000	93	253355	5.00	4.97	
84 Ethylbenzene	106	7.995	7.995	0.000	98	374569	5.00	4.93	
85 m-Xylene & p-Xylene	91	8.101	8.101	0.000	93	872988	5.00	4.84	
86 o-Xylene	106	8.481	8.481	0.000	96	449671	5.00	4.92	
87 Styrene	104	8.493	8.493	0.000	94	754758	5.00	4.94	
88 Bromoform	173	8.682	8.682	0.000	98	138461	5.00	4.32	
89 Isopropylbenzene	105	8.825	8.825	0.000	96	1070139	5.00	4.95	
93 1,1,2,2-Tetrachloroethane	83	9.121	9.121	0.000	97	283791	5.00	4.95	
92 Bromobenzene	156	9.133	9.133	0.000	89	330598	5.00	4.94	
94 1,2,3-Trichloropropane	110	9.169	9.169	0.000	83	99350	5.00	4.97	
95 trans-1,4-Dichloro-2-buten	53	9.169	9.169	0.000	62	23872	5.00	2.91	
96 N-Propylbenzene	120	9.228	9.228	0.000	98	290505	5.00	4.93	
97 2-Chlorotoluene	126	9.323	9.323	0.000	97	275264	5.00	4.99	
98 1,3,5-Trimethylbenzene	105	9.394	9.394	0.000	94	840604	5.00	4.90	
99 4-Chlorotoluene	91	9.418	9.418	0.000	98	881245	5.00	4.94	
101 tert-Butylbenzene	119	9.714	9.714	0.000	92	749194	5.00	4.88	
103 1,2,4-Trimethylbenzene	105	9.761	9.762	-0.001	94	876431	5.00	4.86	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	9.927	9.928	-0.001	94	937713	5.00	4.98	
106 1,3-Dichlorobenzene	146	10.046	10.046	0.000	98	572540	5.00	4.96	
107 4-Isopropyltoluene	119	10.070	10.070	0.000	97	830781	5.00	4.93	
108 1,4-Dichlorobenzene	146	10.141	10.141	0.000	97	582208	5.00	4.87	
111 n-Butylbenzene	91	10.473	10.473	0.000	97	659506	5.00	4.94	
112 1,2-Dichlorobenzene	146	10.509	10.509	0.000	99	556492	5.00	4.96	
113 1,2-Dibromo-3-Chloropropan	157	11.291	11.291	0.000	90	65389	5.00	5.01	
115 1,2,4-Trichlorobenzene	180	12.109	12.110	-0.001	94	356465	5.00	5.01	
116 Hexachlorobutadiene	225	12.275	12.276	-0.001	94	175613	5.00	4.68	
117 Naphthalene	128	12.358	12.359	-0.001	96	926474	5.00	5.18	
118 1,2,3-Trichlorobenzene	180	12.607	12.608	-0.001	96	324635	5.00	5.08	
S 127 1,2-Dichloroethene, Total	96				0			9.82	
S 128 1,3-Dichloropropene, Total	75				0			9.78	
S 129 Xylenes, Total	106				0		10.0	9.77	
S 130 Trihalomethanes, Total	1				0		20.0	19.0	
S 157 Total BTEX	1		0.000				25.0	ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

VM50IS_00072	Amount Added:	1.00	Units: uL
vm50ss_stk_00079	Amount Added:	4.00	Units: uL
VMRPRIMW_00318	Amount Added:	4.00	Units: uL
VMAROLISTDW_00281	Amount Added:	4.00	Units: uL
VMRGAS_00278	Amount Added:	4.00	Units: uL

Report Date: 22-Jan-2019 09:09:49 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8413.D

Injection Date: 21-Jan-2019 12:43:30 Instrument ID: A3UX15 Operator ID:

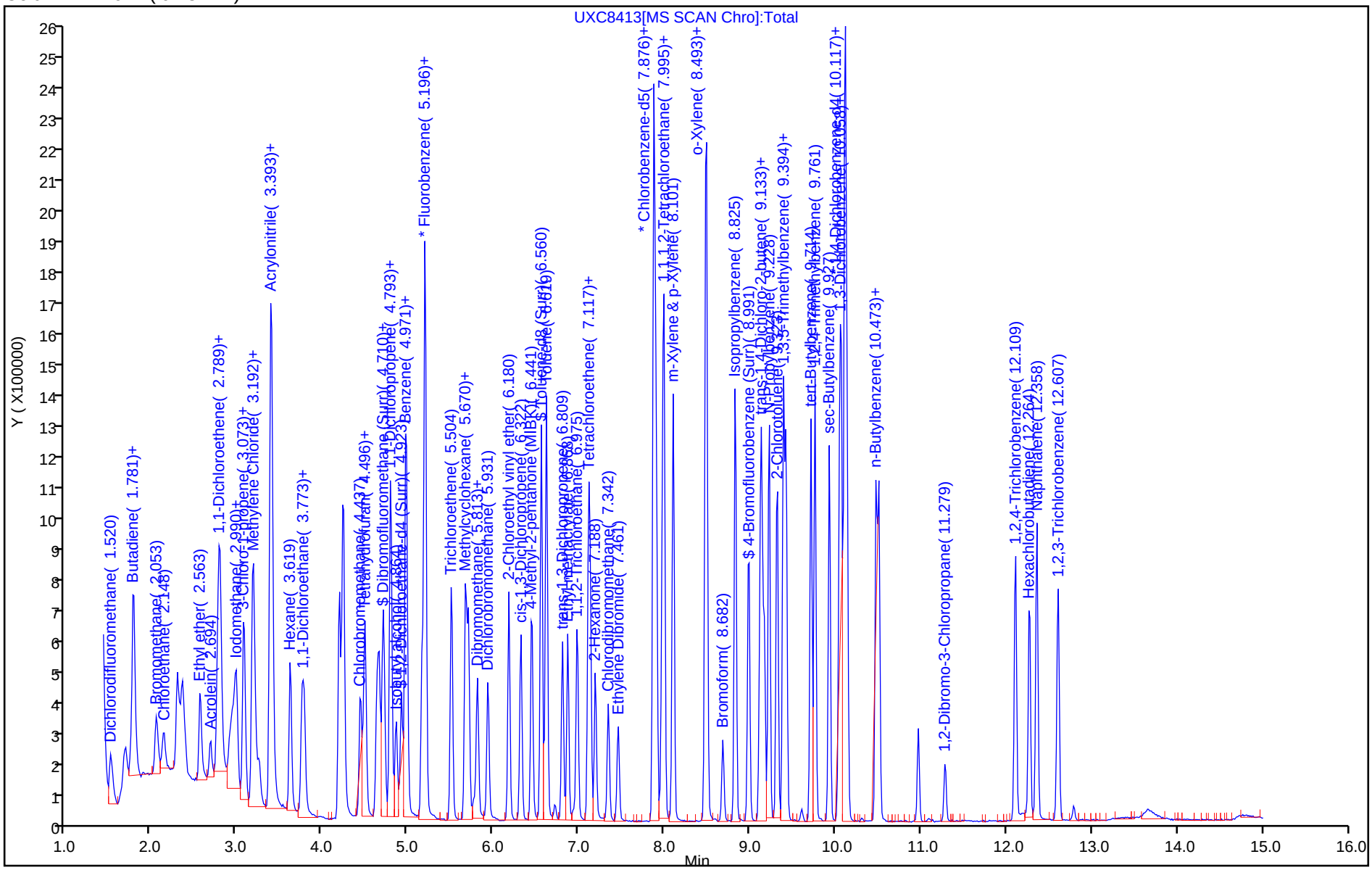
Lims ID: STD8260 L3 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260_15 Limit Group: MSV 8260B ICAL

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Canton

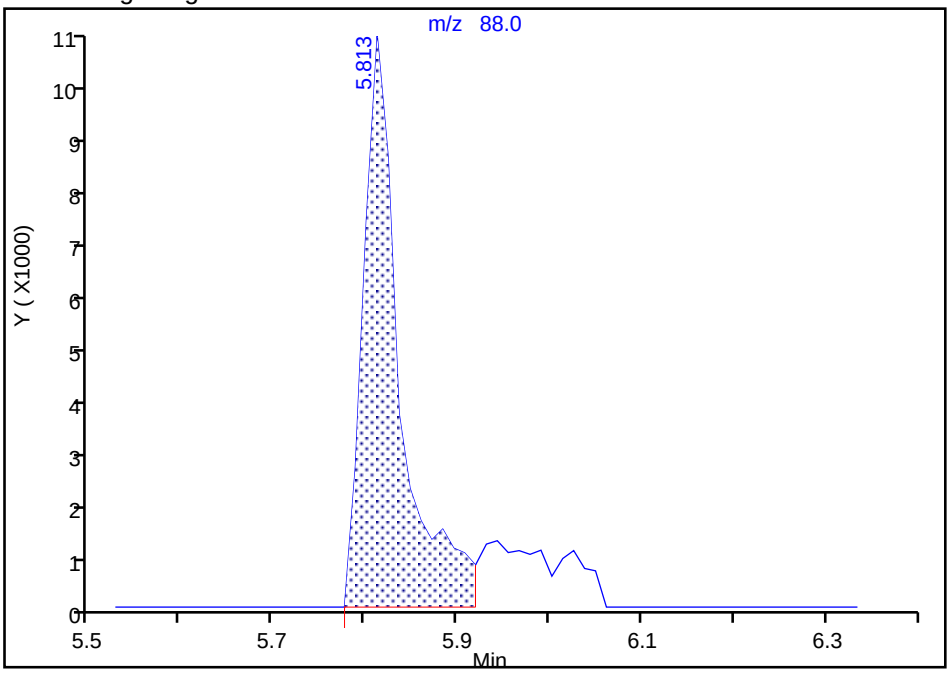
Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8413.D
Injection Date: 21-Jan-2019 12:43:30 Instrument ID: A3UX15
Lims ID: STD8260 L3
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_15 Limit Group: MSV 8260B ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

64 1,4-Dioxane, CAS: 123-91-1

Signal: 1

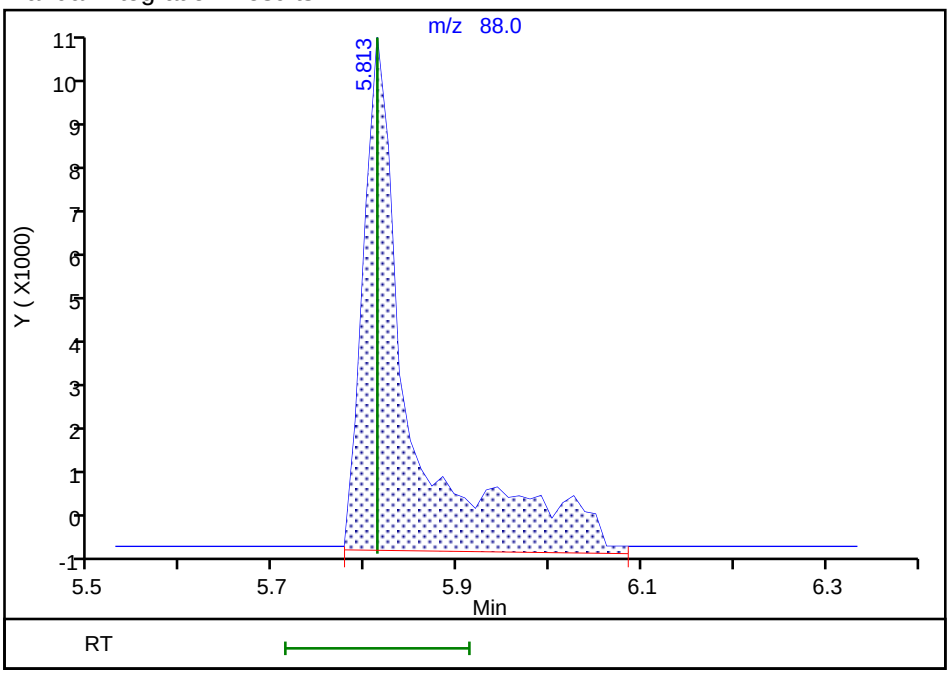
Processing Integration Results

RT: 5.81
Area: 29665
Amount: 80.472140
Amount Units: ug/l



Manual Integration Results

RT: 5.81
Area: 39232
Amount: 103.2242
Amount Units: ug/l



Reviewer: evansle, 21-Jan-2019 13:18:53
Audit Action: Manually Integrated Audit Reason: Baseline

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8414.D
Lims ID: STD8260 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Jan-2019 13:05:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0083824-006
Misc. Info.: C90121A-IC,8260LLUX15,,43582
Operator ID: Instrument ID: A3UX15
Sublist: chrom-8260_15*sub83

Method: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\8260_15.m
Limit Group: MSV 8260B ICAL
Last Update: 22-Jan-2019 09:09:53 Calib Date: 21-Jan-2019 19:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8431.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: evansle Date: 21-Jan-2019 13:21:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.196	5.196	0.000	99	1827101	10.0	10.0	
* 2 Chlorobenzene-d5	117	7.876	7.876	0.000	84	1454104	10.0	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.117	10.117	0.000	93	793660	10.0	10.0	
$ 4 Dibromofluoromethane (Surr	113	4.639	4.639	0.000	94	80448	2.00	1.86	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.923	4.923	0.000	100	106482	2.00	1.92	
$ 6 Toluene-d8 (Surr)	98	6.560	6.560	0.000	93	333303	2.00	1.89	
$ 7 4-Bromofluorobenzene (Surr	95	8.979	8.979	0.000	95	120695	2.00	1.91	
9 Dichlorodifluoromethane	85	1.532	1.532	0.000	99	112693	2.00	2.01	
10 Chloromethane	50	1.698	1.686	0.012	99	119628	2.00	2.09	
11 Vinyl chloride	62	1.793	1.781	0.012	62	104647	2.00	1.99	
12 Butadiene	54	1.793	1.793	0.000	96	148568	2.00	2.14	
13 Bromomethane	94	2.065	2.054	0.011	91	100403	2.00	2.38	
14 Chloroethane	64	2.148	2.137	0.011	100	82718	2.00	2.22	
15 Dichlorofluoromethane	67	2.314	2.303	0.011	98	201291	2.00	2.16	
16 Trichlorofluoromethane	101	2.362	2.362	0.000	97	157640	2.00	1.99	
17 Ethyl ether	59	2.575	2.563	0.012	90	87432	2.00	2.07	
18 Acrolein	56	2.694	2.694	0.000	99	55282	10.0	9.55	
19 1,1-Dichloroethene	96	2.801	2.777	0.024	98	120279	2.00	2.19	
20 1,1,2-Trichloro-1,2,2-trif	151	2.801	2.789	0.012	77	91700	2.00	2.03	
22 Acetone	58	2.812	2.812	0.000	98	23252	4.00	3.50	
23 Iodomethane	142	2.955	2.931	0.024	98	156089	2.00	1.83	
24 Carbon disulfide	76	3.002	2.990	0.012	100	283969	2.00	2.01	
25 3-Chloro-1-propene	76	3.073	3.073	0.000	86	58477	2.00	1.88	
27 Methyl acetate	43	3.085	3.085	0.000	97	150240	4.00	4.01	
28 Methylene Chloride	84	3.180	3.180	0.000	96	198393	2.00	1.89	
29 2-Methyl-2-propanol	59	3.263	3.263	0.000	99	82343	20.0	22.2	
32 Acrylonitrile	53	3.393	3.394	-0.001	100	352291	20.0	20.0	
30 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	96	103155	2.00	2.02	
31 Methyl tert-butyl ether	73	3.405	3.405	0.000	96	285516	2.00	1.99	
33 Hexane	86	3.631	3.619	0.012	93	22194	2.00	2.07	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	3.761	3.761	0.000	96	166930	2.00	2.02	
36 Vinyl acetate	43	3.785	3.785	0.000	97	177639	2.00	1.87	
39 cis-1,2-Dichloroethene	96	4.247	4.235	0.012	81	116480	2.00	2.07	
41 2-Butanone (MEK)	72	4.247	4.247	0.000	72	24387	4.00	4.01	
40 2,2-Dichloropropane	97	4.247	4.247	0.000	60	21907	2.00	1.92	
45 Chlorobromomethane	128	4.449	4.449	0.000	90	56716	2.00	2.03	
46 Tetrahydrofuran	42	4.484	4.485	-0.001	86	62314	4.00	4.12	
47 Chloroform	83	4.496	4.496	0.000	94	169874	2.00	2.02	
48 1,1,1-Trichloroethane	97	4.662	4.662	0.000	97	130349	2.00	2.01	
49 Cyclohexane	56	4.710	4.710	0.000	90	144320	2.00	1.98	
51 1,1-Dichloropropene	75	4.793	4.793	0.000	94	140972	2.00	2.06	
50 Carbon tetrachloride	117	4.805	4.805	0.000	97	124489	2.00	1.98	
52 Isobutyl alcohol	41	4.864	4.864	0.000	96	73133	50.0	52.1	
53 Benzene	78	4.971	4.971	0.000	95	412777	2.00	2.02	
54 1,2-Dichloroethane	62	4.983	4.983	0.000	98	142414	2.00	2.04	
56 n-Heptane	100	5.160	5.160	0.000	92	19095	2.00	1.96	
58 Trichloroethene	130	5.504	5.504	0.000	96	120531	2.00	2.04	
60 Methylcyclohexane	83	5.670	5.670	0.000	90	127322	2.00	1.98	
61 1,2-Dichloropropane	63	5.706	5.706	0.000	94	97800	2.00	2.07	
63 Dibromomethane	93	5.813	5.813	0.000	89	65366	2.00	2.08	
64 1,4-Dioxane	88	5.813	5.813	0.000	37	14227	40.0	41.3	
65 Dichlorobromomethane	83	5.931	5.931	0.000	98	121869	2.00	1.96	
67 2-Chloroethyl vinyl ether	63	6.180	6.180	0.000	93	123378	4.00	3.87	
68 cis-1,3-Dichloropropene	75	6.323	6.323	0.000	94	138202	2.00	1.92	
69 4-Methyl-2-pentanone (MIBK	43	6.453	6.441	0.012	96	187250	4.00	3.83	
70 Toluene	91	6.619	6.619	0.000	98	428381	2.00	2.00	
71 trans-1,3-Dichloropropene	75	6.809	6.809	0.000	95	125256	2.00	1.85	
72 Ethyl methacrylate	69	6.868	6.868	0.000	89	129112	2.00	2.00	
73 1,1,2-Trichloroethane	97	6.975	6.975	0.000	91	87521	2.00	2.02	
74 Tetrachloroethene	164	7.117	7.117	0.000	96	95990	2.00	2.02	
75 1,3-Dichloropropane	76	7.129	7.129	0.000	92	153833	2.00	2.02	
76 2-Hexanone	43	7.188	7.188	0.000	97	135481	4.00	4.08	
79 Chlorodibromomethane	129	7.342	7.342	0.000	90	82891	2.00	1.83	
80 Ethylene Dibromide	107	7.461	7.461	0.000	98	91132	2.00	1.96	
82 Chlorobenzene	112	7.900	7.900	0.000	97	286159	2.00	2.01	
83 1,1,1,2-Tetrachloroethane	131	7.971	7.971	0.000	93	95060	2.00	1.89	
84 Ethylbenzene	106	7.995	7.995	0.000	98	146696	2.00	1.96	
85 m-Xylene & p-Xylene	91	8.101	8.101	0.000	93	351787	2.00	1.98	
86 o-Xylene	106	8.481	8.481	0.000	96	176986	2.00	1.97	
87 Styrene	104	8.493	8.493	0.000	91	289260	2.00	1.92	
88 Bromoform	173	8.682	8.682	0.000	97	51580	2.00	2.03	
89 Isopropylbenzene	105	8.825	8.825	0.000	95	416807	2.00	1.96	
93 1,1,2,2-Tetrachloroethane	83	9.121	9.121	0.000	97	112833	2.00	2.01	
92 Bromobenzene	156	9.133	9.133	0.000	89	131876	2.00	2.01	
95 trans-1,4-Dichloro-2-buten	53	9.169	9.169	0.000	67	16039	2.00	1.99	
94 1,2,3-Trichloropropane	110	9.169	9.169	0.000	86	40526	2.00	2.07	
96 N-Propylbenzene	120	9.228	9.228	0.000	98	117423	2.00	2.03	
97 2-Chlorotoluene	126	9.323	9.323	0.000	98	107735	2.00	1.99	
98 1,3,5-Trimethylbenzene	105	9.394	9.394	0.000	94	332591	2.00	1.98	
99 4-Chlorotoluene	91	9.418	9.418	0.000	98	356628	2.00	2.04	
101 tert-Butylbenzene	119	9.714	9.714	0.000	92	300630	2.00	2.00	
103 1,2,4-Trimethylbenzene	105	9.762	9.762	0.000	94	359918	2.00	2.04	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	9.928	9.928	0.000	94	373619	2.00	2.02	
106 1,3-Dichlorobenzene	146	10.046	10.046	0.000	98	229119	2.00	2.03	
107 4-Isopropyltoluene	119	10.070	10.070	0.000	96	334169	2.00	2.02	
108 1,4-Dichlorobenzene	146	10.141	10.141	0.000	97	241629	2.00	2.06	
111 n-Butylbenzene	91	10.473	10.473	0.000	97	263153	2.00	2.01	
112 1,2-Dichlorobenzene	146	10.509	10.509	0.000	98	224899	2.00	2.04	
113 1,2-Dibromo-3-Chloropropan	157	11.291	11.291	0.000	88	24334	2.00	1.90	
115 1,2,4-Trichlorobenzene	180	12.109	12.110	-0.001	93	145803	2.00	2.09	
116 Hexachlorobutadiene	225	12.276	12.276	0.000	94	78276	2.00	2.11	
117 Naphthalene	128	12.359	12.359	0.000	96	348942	2.00	1.99	
118 1,2,3-Trichlorobenzene	180	12.608	12.608	0.000	95	131338	2.00	2.09	
S 127 1,2-Dichloroethene, Total	96				0			4.09	
S 128 1,3-Dichloropropene, Total	75				0			3.77	
S 129 Xylenes, Total	106				0		4.00	3.95	
S 157 Total BTEX	1		0.000				10.0	ND	
S 130 Trihalomethanes, Total	1				0		8.00	7.83	

Reagents:

VM50IS_00072	Amount Added:	1.00	Units: uL	
vm50ss_stk_00079	Amount Added:	1.60	Units: uL	
VMRPRIMW_00318	Amount Added:	1.60	Units: uL	
VMAROLISTDW_00281	Amount Added:	1.60	Units: uL	
VMRGAS_00278	Amount Added:	1.60	Units: uL	

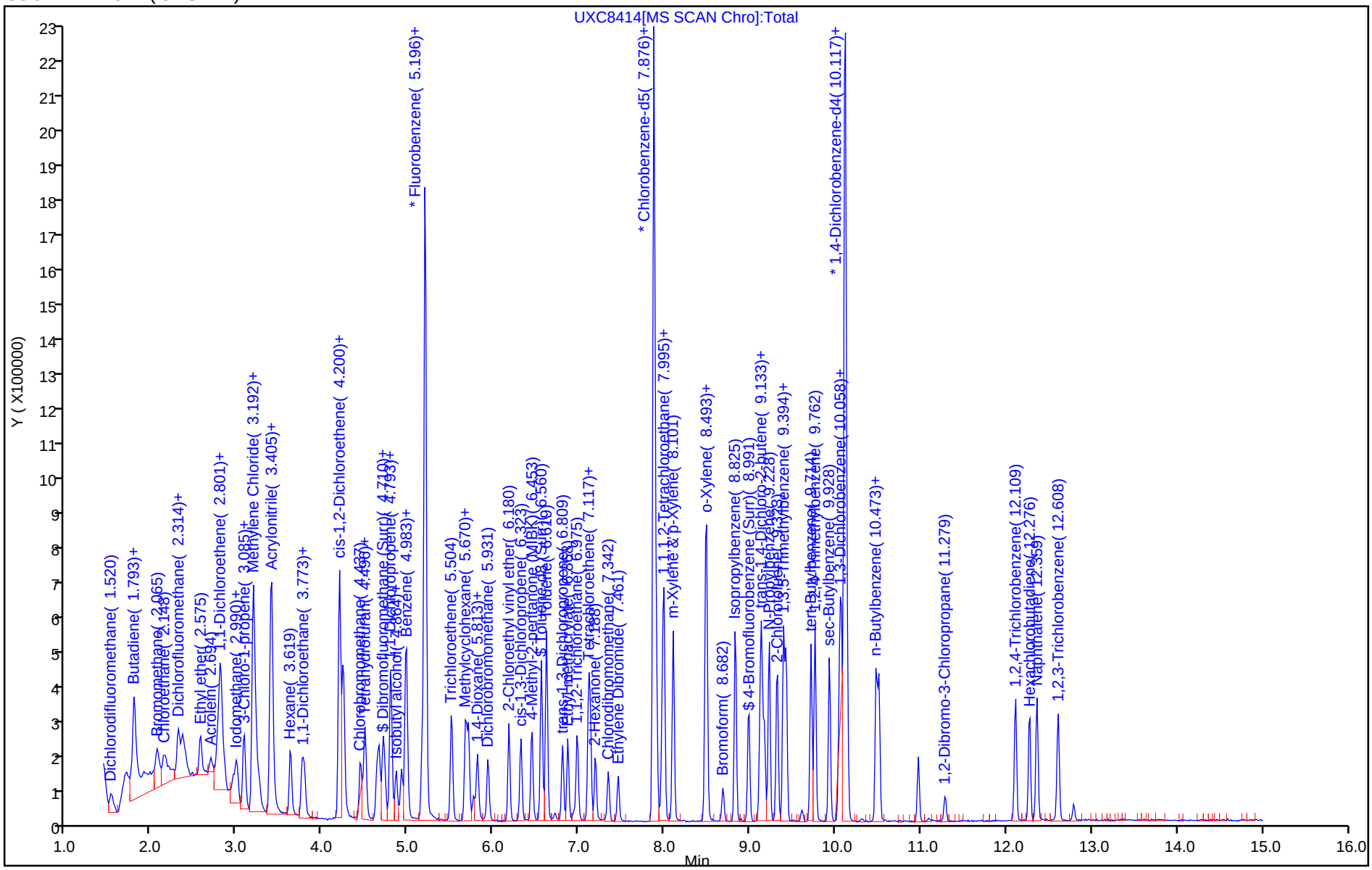
Report Date: 22-Jan-2019 09:09:54 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8414.D

Injection Date:	21-Jan-2019 13:05:30	Instrument ID:	A3UX15	Operator ID:	
Lims ID:	STD8260 L2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260_15	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8415.D
Lims ID: STD8260 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Jan-2019 13:26:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0083824-007
Misc. Info.: C90121A-IC,8260LLUX15,,43582
Operator ID: Instrument ID: A3UX15
Sublist: chrom-8260_15*sub83

Method: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\8260_15.m
Limit Group: MSV 8260B ICAL
Last Update: 22-Jan-2019 09:09:57 Calib Date: 21-Jan-2019 19:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8431.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0303

First Level Reviewer: evansle Date: 21-Jan-2019 13:51:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.196	5.196	0.000	99	1764972	10.0	10.0	
* 2 Chlorobenzene-d5	117	7.876	7.876	0.000	84	1396761	10.0	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.117	10.117	0.000	94	755367	10.0	10.0	
$ 4 Dibromofluoromethane (Surr	113	4.639	4.639	0.000	94	41840	1.00	1.00	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.923	4.923	0.000	100	55383	1.00	1.03	
$ 6 Toluene-d8 (Surr)	98	6.560	6.560	0.000	93	174193	1.00	1.03	
$ 7 4-Bromofluorobenzene (Surr	95	8.979	8.979	0.000	95	60446	1.00	1.00	
9 Dichlorodifluoromethane	85	1.532	1.532	0.000	99	47729	1.00	0.8803	
10 Chloromethane	50	1.698	1.686	0.012	96	58046	1.00	1.05	
11 Vinyl chloride	62	1.793	1.781	0.012	72	57558	1.00	1.13	
12 Butadiene	54	1.793	1.793	0.000	95	71088	1.00	1.06	
13 Bromomethane	94	2.054	2.054	0.000	88	47411	1.00	1.16	
14 Chloroethane	64	2.137	2.137	0.000	99	40558	1.00	1.13	
15 Dichlorofluoromethane	67	2.303	2.303	0.000	97	103682	1.00	1.15	
16 Trichlorofluoromethane	101	2.350	2.362	-0.012	98	68568	1.00	0.8959	
17 Ethyl ether	59	2.575	2.563	0.012	91	44605	1.00	1.09	
18 Acrolein	56	2.694	2.694	0.000	97	32229	5.00	5.76	
19 1,1-Dichloroethene	96	2.777	2.777	0.000	98	57094	1.00	1.08	
20 1,1,2-Trichloro-1,2,2-trif	151	2.789	2.789	0.000	88	42550	1.00	0.9770	
22 Acetone	58	2.813	2.812	0.001	98	17181	2.00	2.11	
23 Iodomethane	142	2.931	2.931	0.000	99	93588	1.00	1.13	
24 Carbon disulfide	76	2.990	2.990	0.000	97	160687	1.00	1.18	
25 3-Chloro-1-propene	76	3.073	3.073	0.000	89	27003	1.00	0.9008	
27 Methyl acetate	43	3.085	3.085	0.000	98	79740	2.00	2.20	
28 Methylene Chloride	84	3.180	3.180	0.000	93	154915	1.00	1.05	
29 2-Methyl-2-propanol	59	3.263	3.263	0.000	99	36240	10.0	10.1	
32 Acrylonitrile	53	3.394	3.394	0.000	97	175156	10.0	10.3	
31 Methyl tert-butyl ether	73	3.405	3.405	0.000	96	139955	1.00	1.01	
30 trans-1,2-Dichloroethene	96	3.405	3.405	0.000	97	54736	1.00	1.11	
33 Hexane	86	3.619	3.619	0.000	94	10725	1.00	1.04	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	3.761	3.761	0.000	97	81126	1.00	1.02	
36 Vinyl acetate	43	3.785	3.785	0.000	97	88027	1.00	0.9595	
39 cis-1,2-Dichloroethene	96	4.236	4.235	0.001	80	57035	1.00	1.05	
40 2,2-Dichloropropane	97	4.247	4.247	0.000	42	11684	1.00	1.06	
41 2-Butanone (MEK)	72	4.247	4.247	0.000	57	12505	2.00	2.13	
45 Chlorobromomethane	128	4.437	4.449	-0.012	88	28543	1.00	1.06	
46 Tetrahydrofuran	42	4.485	4.485	0.000	86	31985	2.00	2.19	
47 Chloroform	83	4.496	4.496	0.000	93	83929	1.00	1.03	
48 1,1,1-Trichloroethane	97	4.662	4.662	0.000	98	63803	1.00	1.02	
49 Cyclohexane	56	4.710	4.710	0.000	91	68915	1.00	0.9779	
51 1,1-Dichloropropene	75	4.793	4.793	0.000	93	66437	1.00	1.00	
50 Carbon tetrachloride	117	4.805	4.805	0.000	97	56945	1.00	0.9377	
52 Isobutyl alcohol	41	4.864	4.864	0.000	95	31904	25.0	23.5	
53 Benzene	78	4.971	4.971	0.000	96	207184	1.00	1.05	
54 1,2-Dichloroethane	62	4.983	4.983	0.000	97	68031	1.00	1.01	
56 n-Heptane	100	5.161	5.160	0.000	80	8801	1.00	0.9370	a
58 Trichloroethene	130	5.504	5.504	0.000	95	59121	1.00	1.03	
60 Methylcyclohexane	83	5.670	5.670	0.000	88	60130	1.00	0.9667	
61 1,2-Dichloropropane	63	5.706	5.706	0.000	90	43707	1.00	0.9560	
64 1,4-Dioxane	88	5.825	5.813	0.012	33	5185	20.0	19.2	
63 Dibromomethane	93	5.813	5.813	0.000	86	31111	1.00	1.03	
65 Dichlorobromomethane	83	5.931	5.931	0.000	98	57382	1.00	0.9535	
67 2-Chloroethyl vinyl ether	63	6.180	6.180	0.000	93	61442	2.00	1.99	
68 cis-1,3-Dichloropropene	75	6.323	6.323	0.000	93	62099	1.00	0.8920	
69 4-Methyl-2-pentanone (MIBK	43	6.453	6.441	0.012	98	98299	2.00	2.08	
70 Toluene	91	6.619	6.619	0.000	98	209687	1.00	1.02	
71 trans-1,3-Dichloropropene	75	6.809	6.809	0.000	94	57707	1.00	0.8893	
72 Ethyl methacrylate	69	6.868	6.868	0.000	90	61421	1.00	0.9899	
73 1,1,2-Trichloroethane	97	6.975	6.975	0.000	91	41853	1.00	1.00	
74 Tetrachloroethene	164	7.117	7.117	0.000	97	44889	1.00	0.9835	
75 1,3-Dichloropropane	76	7.129	7.129	0.000	92	72217	1.00	0.9861	
76 2-Hexanone	43	7.188	7.188	0.000	96	58616	2.00	1.84	
79 Chlorodibromomethane	129	7.342	7.342	0.000	89	36977	1.00	0.8497	
80 Ethylene Dibromide	107	7.461	7.461	0.000	97	45295	1.00	1.02	
82 Chlorobenzene	112	7.900	7.900	0.000	96	138107	1.00	1.01	
83 1,1,1,2-Tetrachloroethane	131	7.971	7.971	0.000	93	46702	1.00	0.9691	
84 Ethylbenzene	106	7.995	7.995	0.000	98	73699	1.00	1.03	
85 m-Xylene & p-Xylene	91	8.101	8.101	0.000	93	168049	1.00	0.9855	
86 o-Xylene	106	8.481	8.481	0.000	97	88147	1.00	1.02	
87 Styrene	104	8.493	8.493	0.000	93	137740	1.00	0.9520	
88 Bromoform	173	8.682	8.682	0.000	96	19867	1.00	1.20	
89 Isopropylbenzene	105	8.825	8.825	0.000	95	198841	1.00	0.9729	
93 1,1,2,2-Tetrachloroethane	83	9.121	9.121	0.000	97	54865	1.00	1.03	
92 Bromobenzene	156	9.133	9.133	0.000	90	63640	1.00	1.02	
94 1,2,3-Trichloropropane	110	9.169	9.169	0.000	85	18846	1.00	1.01	
95 trans-1,4-Dichloro-2-buten	53	9.169	9.169	0.000	62	3277	1.00	0.4279	
96 N-Propylbenzene	120	9.228	9.228	0.000	99	54874	1.00	1.00	
97 2-Chlorotoluene	126	9.323	9.323	0.000	97	53702	1.00	1.04	
98 1,3,5-Trimethylbenzene	105	9.394	9.394	0.000	94	160683	1.00	1.00	
99 4-Chlorotoluene	91	9.418	9.418	0.000	98	170473	1.00	1.02	
101 tert-Butylbenzene	119	9.714	9.714	0.000	92	141080	1.00	0.9843	
103 1,2,4-Trimethylbenzene	105	9.762	9.762	0.000	94	169136	1.00	1.01	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	9.928	9.928	0.000	94	173094	1.00	0.9849	
106 1,3-Dichlorobenzene	146	10.046	10.046	0.000	97	113176	1.00	1.05	
107 4-Isopropyltoluene	119	10.070	10.070	0.000	95	154318	1.00	0.9808	
108 1,4-Dichlorobenzene	146	10.141	10.141	0.000	96	119243	1.00	1.07	
111 n-Butylbenzene	91	10.473	10.473	0.000	97	127428	1.00	1.02	
112 1,2-Dichlorobenzene	146	10.509	10.509	0.000	98	109056	1.00	1.04	
113 1,2-Dibromo-3-Chloropropan	157	11.291	11.291	0.000	84	10572	1.00	0.8688	
115 1,2,4-Trichlorobenzene	180	12.110	12.110	0.000	94	73453	1.00	1.11	
116 Hexachlorobutadiene	225	12.276	12.276	0.000	93	41867	1.00	1.20	
117 Naphthalene	128	12.359	12.359	0.000	96	172653	1.00	1.03	
118 1,2,3-Trichlorobenzene	180	12.608	12.608	0.000	95	65430	1.00	1.10	
S 127 1,2-Dichloroethene, Total	96				0			2.16	
S 128 1,3-Dichloropropene, Total	75				0			1.78	
S 129 Xylenes, Total	106				0		2.00	2.01	
S 130 Trihalomethanes, Total	1				0		4.00	4.03	
S 157 Total BTEX	1		0.000				5.00	ND	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

VM50IS_00072	Amount Added:	1.00	Units: uL
vm50ss_stk_00079	Amount Added:	0.80	Units: uL
VMRPRIMW_00318	Amount Added:	0.80	Units: uL
VMAROLISTDW_00281	Amount Added:	0.80	Units: uL
VMRGAS_00278	Amount Added:	0.80	Units: uL

Report Date: 22-Jan-2019 09:09:59 Chrom Revision: 2.3 15-Jan-2019 08:51:34

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8415.D

Injection Date: 21-Jan-2019 13:26:30 Instrument ID: A3UX15 Operator ID:

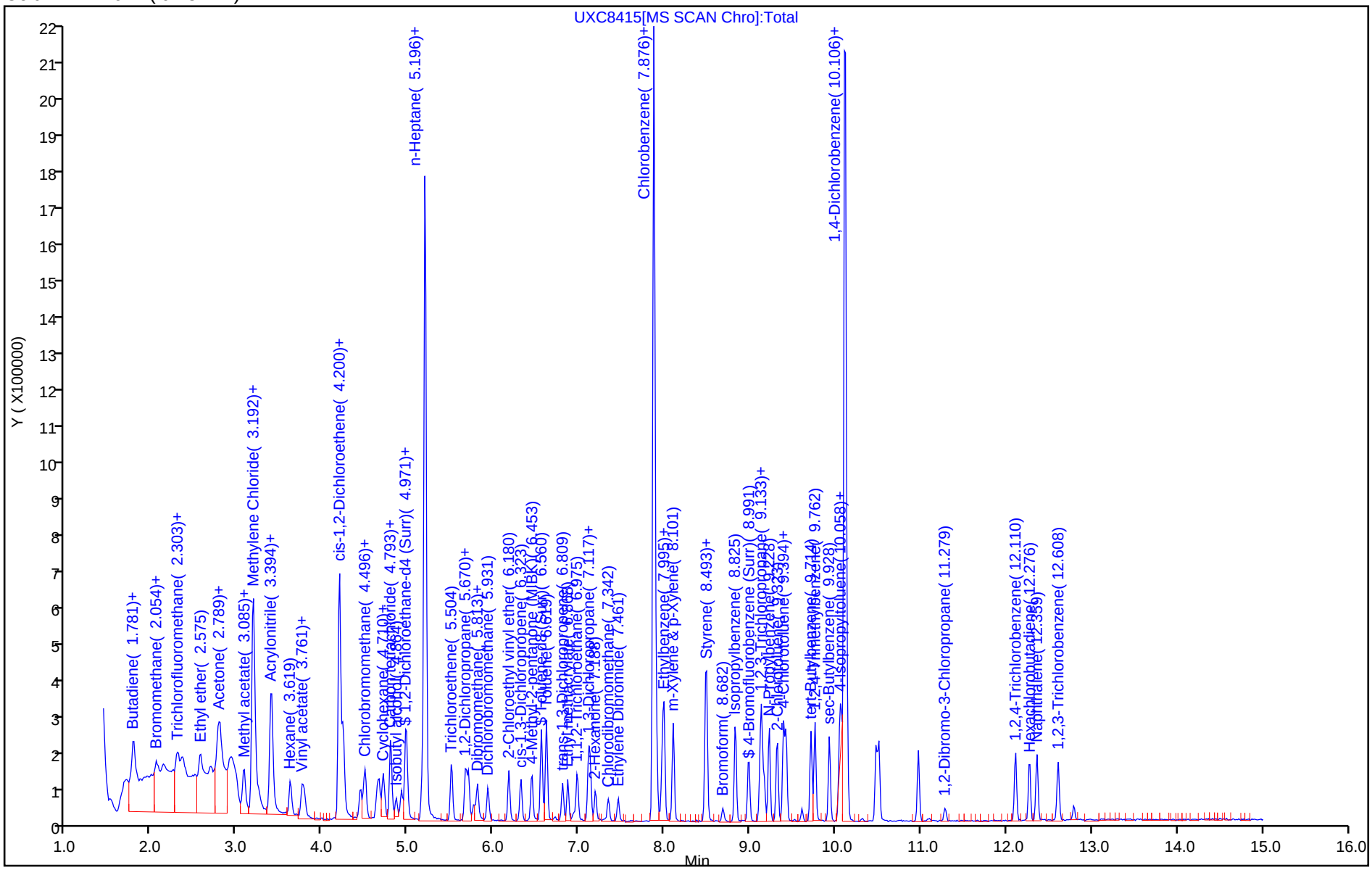
Lims ID: STD8260 L1 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260_15 Limit Group: MSV 8260B ICAL

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Canton

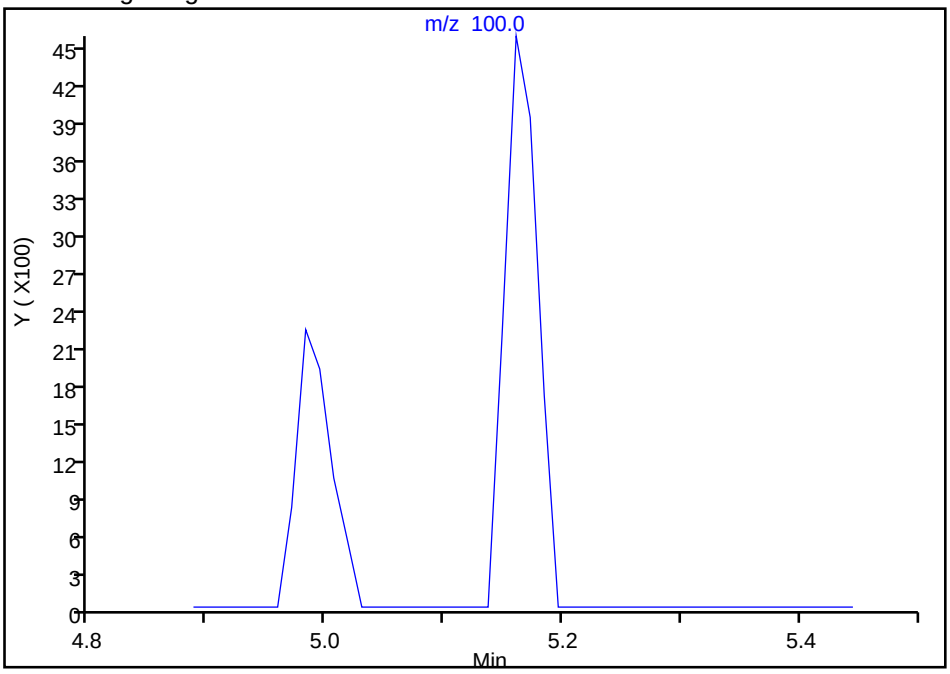
Data File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8415.D
Injection Date: 21-Jan-2019 13:26:30 Instrument ID: A3UX15
Lims ID: STD8260 L1
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_15 Limit Group: MSV 8260B ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

56 n-Heptane, CAS: 142-82-5

Signal: 1

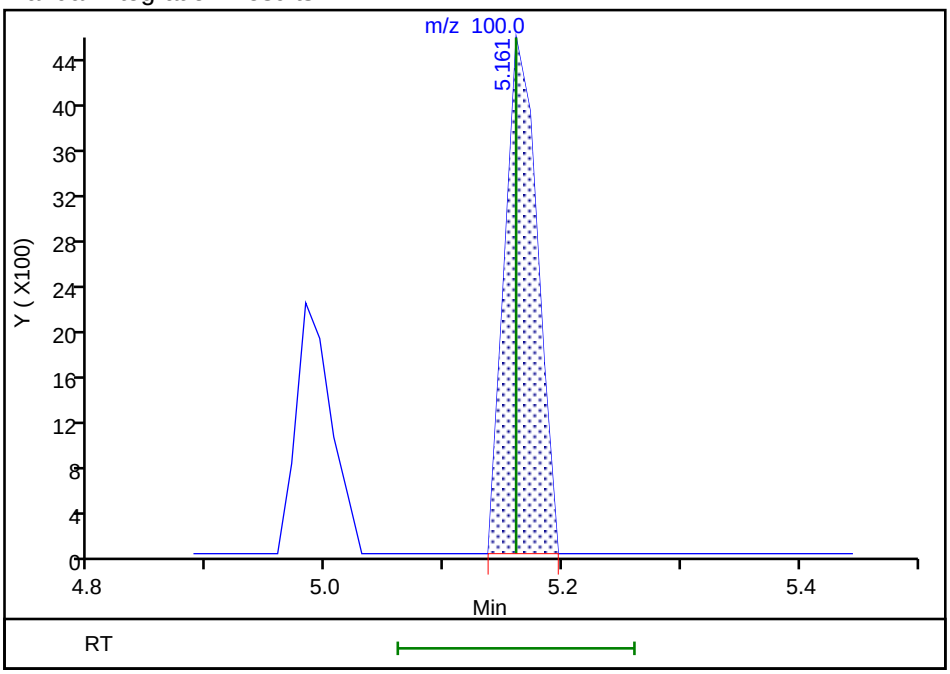
Not Detected
Expected RT: 5.16

Processing Integration Results



Manual Integration Results

RT: 5.16
Area: 8801
Amount: 0.936957
Amount Units: ug/l



Reviewer: evansle, 21-Jan-2019 13:47:12
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Client Sample ID: MW-81_030619 Lab Sample ID: 240-109195-1

Matrix: Water Lab File ID: UXJ8878.D

Analysis Method: 8260B Date Collected: 03/06/2019 14:26

Sample wt/vol: 5(mL) Date Analyzed: 03/19/2019 11:42

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 372185 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.19
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.16
127-18-4	Tetrachloroethene	1.0	U	1.0	0.15
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.10
75-01-4	Vinyl chloride	0.69	J B *	1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		70-121
460-00-4	4-Bromofluorobenzene (Surr)	117		59-120
2037-26-5	Toluene-d8 (Surr)	122		70-123
1868-53-7	Dibromofluoromethane (Surr)	98		75-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8878.D
Lims ID: 240-109195-E-1
Client ID: MW-81_030619
Sample Type: Client
Inject. Date: 19-Mar-2019 11:42:30 ALS Bottle#: 8 Worklist Smp#: 37
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085279-037
Misc. Info.: J90319A,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11

Method: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 20-Mar-2019 07:46:44 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: evansle Date: 19-Mar-2019 13:01:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.659	4.647	0.012	99	1489001	20.0	
* 2 Chlorobenzene-d5	117	7.297	7.297	0.000	91	870859	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	97	335371	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.091	4.091	0.000	97	680605	39.2	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.375	4.363	0.012	98	905417	43.1	
$ 6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	95	2520354	48.8	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	99	772660	46.8	
12 Vinyl chloride	62	1.286	1.369	-0.083	44	13684	0.6942	
21 1,1-Dichloroethene	96		2.233				ND	
34 trans-1,2-Dichloroethene	96		2.860				ND	
41 cis-1,2-Dichloroethene	96		3.688				ND	
60 Trichloroethene	130		4.966				ND	
76 Tetrachloroethene	164		6.552				ND	

Reagents:

vm50ss_stk_00080 Amount Added: 4.00 Units: uL
VM50IS_00075 Amount Added: 2.00 Units: uL

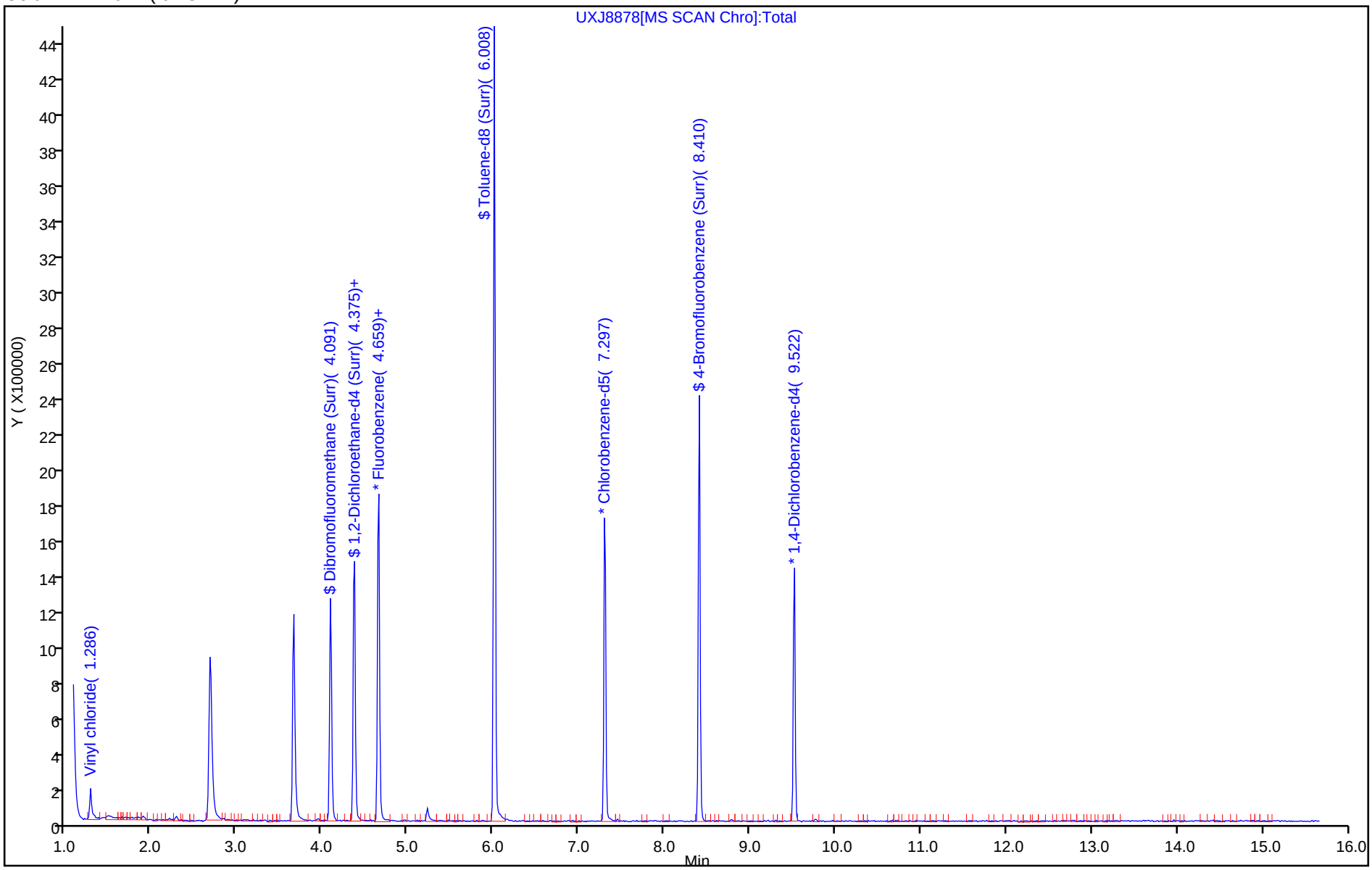
Report Date: 20-Mar-2019 07:47:07 Chrom Revision: 2.3 11-Feb-2019 16:31:10

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8878.D

Injection Date:	19-Mar-2019 11:42:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	240-109195-E-1	Lab Sample ID:	240-109195-1	Worklist Smp#:	37
Client ID:	MW-81_030619				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Recovery Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8878.D
Lims ID: 240-109195-E-1
Client ID: MW-81_030619
Sample Type: Client
Inject. Date: 19-Mar-2019 11:42:30 ALS Bottle#: 8 Worklist Smp#: 37
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085279-037
Misc. Info.: J90319A,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11

Method: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 20-Mar-2019 07:46:44 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: evansle Date: 19-Mar-2019 13:01:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	40.0	39.2	97.95
$ 5 1,2-Dichloroethane-d4 (Surr)	40.0	43.1	107.67
$ 6 Toluene-d8 (Surr)	40.0	48.8	121.94
$ 7 4-Bromofluorobenzene (Surr)	40.0	46.8	116.88

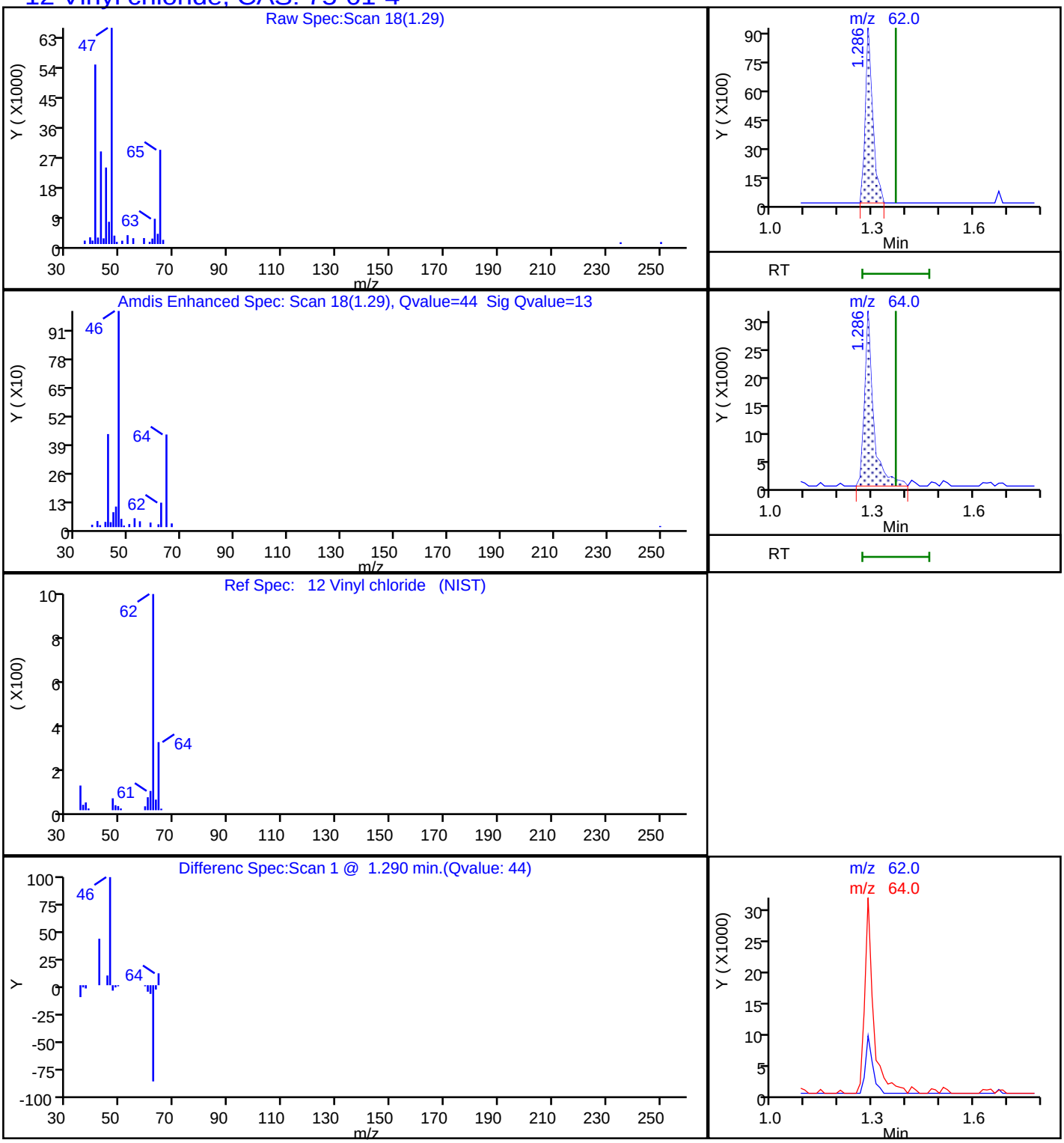
Report Date: 20-Mar-2019 07:47:07 Chrom Revision: 2.3 11-Feb-2019 16:31:10

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8878.D

Injection Date:	19-Mar-2019 11:42:30	Instrument ID:	A3UX11		
Lims ID:	240-109195-E-1	Lab Sample ID:	240-109195-1		
Client ID:	MW-81_030619				
Operator ID:	43582	ALS Bottle#:	8	Worklist Smp#:	37
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_11	Limit Group:	MSV 8260B ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

12 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-109195-1

SDG No.:

Client Sample ID: MW-81S_030619 | Lab Sample ID: 240-109195-2

Matrix: Water | Lab File ID: UXJ8879.D

Analysis Method: 8260B | Date Collected: 03/06/2019 13:03

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2019 12:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 372185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.19
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.16
127-18-4	Tetrachloroethene	1.0	U	1.0	0.15
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.10
75-01-4	Vinyl chloride	0.66	J B *	1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		70-121
460-00-4	4-Bromofluorobenzene (Surr)	115		59-120
2037-26-5	Toluene-d8 (Surr)	115		70-123
1868-53-7	Dibromofluoromethane (Surr)	95		75-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8879.D
Lims ID: 240-109195-E-2
Client ID: MW-81S_030619
Sample Type: Client
Inject. Date: 19-Mar-2019 12:04:30 ALS Bottle#: 9 Worklist Smp#: 38
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085279-038
Misc. Info.: J90319A,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11

Method: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 20-Mar-2019 07:46:44 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0312

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	4.647	4.647	0.000	98	1429845	20.0	
*	2 Chlorobenzene-d5	117	7.297	7.297	0.000	89	898864	20.0	
*	3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	96	346792	20.0	
$	4 Dibromofluoromethane (Surr	113	4.091	4.091	0.000	98	635698	38.1	
$	5 1,2-Dichloroethane-d4 (Sur	65	4.363	4.363	0.000	97	852739	42.2	
$	6 Toluene-d8 (Surr)	98	6.007	6.008	-0.001	94	2455833	46.0	
$	7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	98	783900	46.0	
	12 Vinyl chloride	62	1.274	1.369	-0.095	43	12468	0.6586	
	21 1,1-Dichloroethene	96		2.233				ND	
	34 trans-1,2-Dichloroethene	96		2.860				ND	
	41 cis-1,2-Dichloroethene	96		3.688				ND	
	60 Trichloroethene	130		4.966				ND	
	76 Tetrachloroethene	164		6.552				ND	

Reagents:

VM50IS_00075 Amount Added: 2.00 Units: uL
vm50ss_stk_00080 Amount Added: 4.00 Units: uL

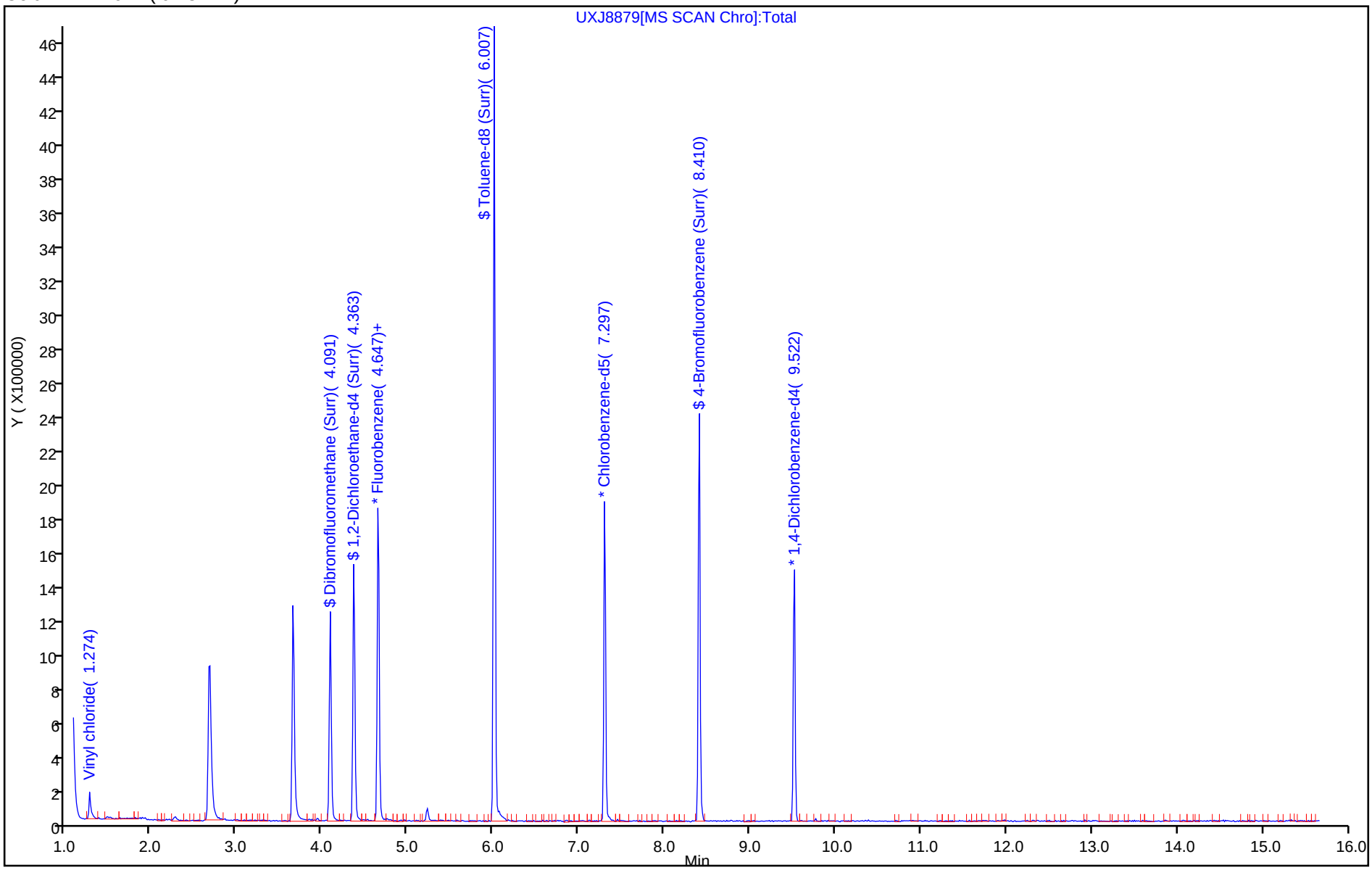
Report Date: 20-Mar-2019 07:47:10 Chrom Revision: 2.3 11-Feb-2019 16:31:10

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8879.D

Injection Date:	19-Mar-2019 12:04:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	240-109195-E-2	Lab Sample ID:	240-109195-2	Worklist Smp#:	38
Client ID:	MW-81S_030619				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Recovery Report

Data File:	\\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8879.D				
Lims ID:	240-109195-E-2				
Client ID:	MW-81S_030619				
Sample Type:	Client				
Inject. Date:	19-Mar-2019 12:04:30	ALS Bottle#:	9	Worklist Smp#:	38
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0085279-038				
Misc. Info.:	J90319A,8260LLUX11,,43582				
Operator ID:	43582	Instrument ID:	A3UX11		
Method:	\\chromna\Canton\ChromData\A3UX11\20190319-85279.b\8260_11.m				
Limit Group:	MSV 8260B ICAL				
Last Update:	20-Mar-2019 07:46:44	Calib Date:	07-Feb-2019 20:09:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX0312				

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	40.0	38.1	95.27
$ 5 1,2-Dichloroethane-d4 (Surr)	40.0	42.2	105.60
$ 6 Toluene-d8 (Surr)	40.0	46.0	115.11
$ 7 4-Bromofluorobenzene (Surr)	40.0	46.0	114.88

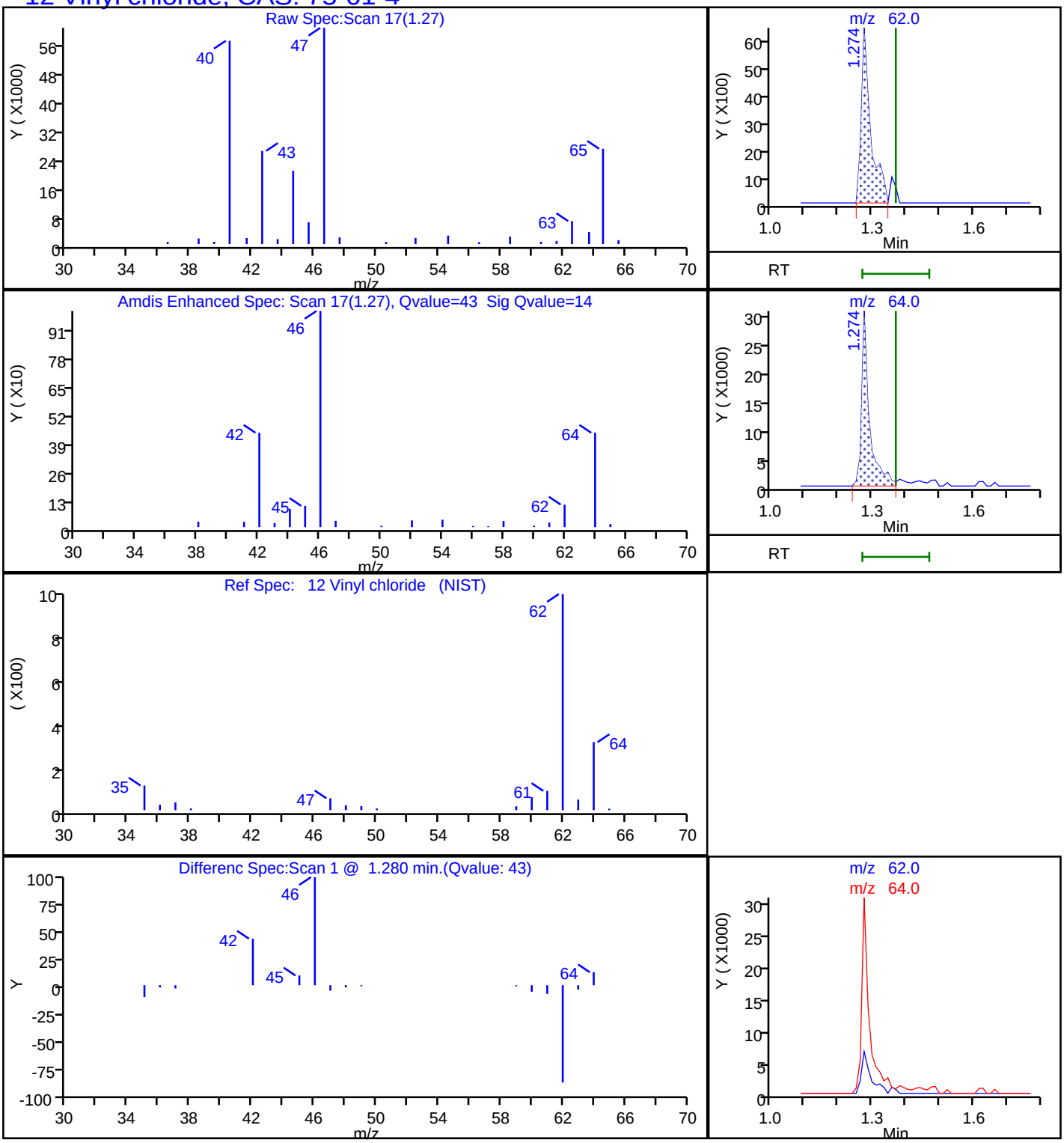
Report Date: 20-Mar-2019 07:47:10 Chrom Revision: 2.3 11-Feb-2019 16:31:10

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8879.D

Injection Date:	19-Mar-2019 12:04:30	Instrument ID:	A3UX11		
Lims ID:	240-109195-E-2	Lab Sample ID:	240-109195-2		
Client ID:	MW-81S_030619				
Operator ID:	43582	ALS Bottle#:	9	Worklist Smp#:	38
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_11	Limit Group:	MSV 8260B ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

12 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Client Sample ID: MW-82D_030619 Lab Sample ID: 240-109195-3

Matrix: Water Lab File ID: UXJ8880.D

Analysis Method: 8260B Date Collected: 03/06/2019 10:30

Sample wt/vol: 5(mL) Date Analyzed: 03/19/2019 12:26

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 372185 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.19
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.16
127-18-4	Tetrachloroethene	1.0	U	1.0	0.15
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.10
75-01-4	Vinyl chloride	0.78	J B *	1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		70-121
460-00-4	4-Bromofluorobenzene (Surr)	118		59-120
2037-26-5	Toluene-d8 (Surr)	126	X	70-123
1868-53-7	Dibromofluoromethane (Surr)	98		75-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8880.D
Lims ID: 240-109195-E-3
Client ID: MW-82D_030619
Sample Type: Client
Inject. Date: 19-Mar-2019 12:26:30 ALS Bottle#: 10 Worklist Smp#: 39
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085279-039
Misc. Info.: J90319A,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11

Method: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 20-Mar-2019 07:46:44 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0312

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	4.659	4.647	0.012	99	1433532	20.0	
*	2 Chlorobenzene-d5	117	7.297	7.297	0.000	89	825049	20.0	
*	3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	97	315971	20.0	
$	4 Dibromofluoromethane (Surr	113	4.091	4.091	0.000	98	658643	39.4	
$	5 1,2-Dichloroethane-d4 (Sur	65	4.375	4.363	0.012	98	886148	43.8	
$	6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	94	2472866	50.5	
$	7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	99	738759	47.2	
	12 Vinyl chloride	62	1.286	1.369	-0.083	44	14725	0.7759	
	21 1,1-Dichloroethene	96		2.233				ND	
	34 trans-1,2-Dichloroethene	96		2.860				ND	
	41 cis-1,2-Dichloroethene	96		3.688				ND	
	60 Trichloroethene	130		4.966				ND	
	76 Tetrachloroethene	164		6.552				ND	

Reagents:

VM50IS_00075 Amount Added: 2.00 Units: uL
vm50ss_stk_00080 Amount Added: 4.00 Units: uL

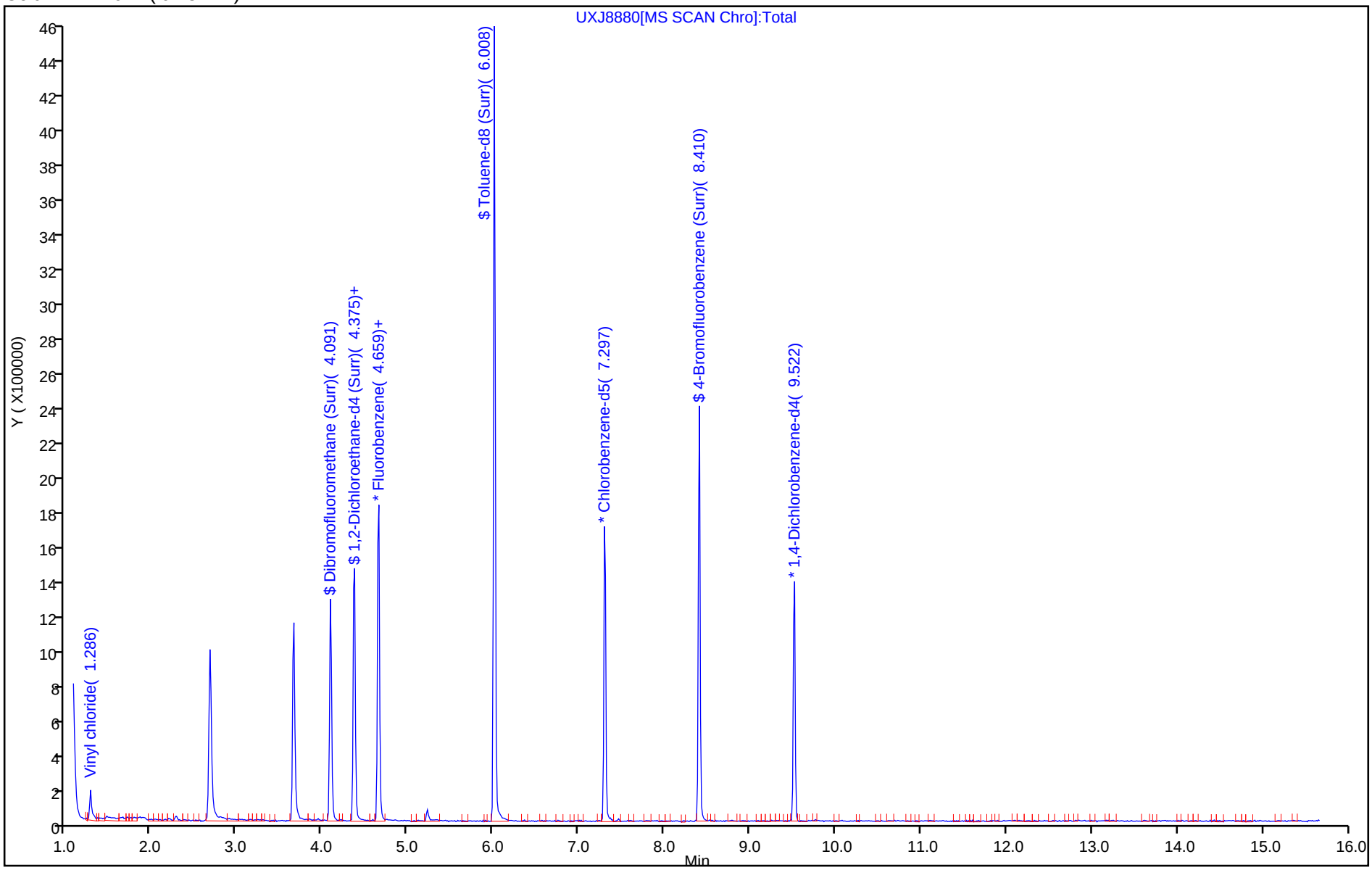
Report Date: 20-Mar-2019 07:47:12 Chrom Revision: 2.3 11-Feb-2019 16:31:10

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8880.D

Injection Date:	19-Mar-2019 12:26:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	240-109195-E-3	Lab Sample ID:	240-109195-3	Worklist Smp#:	39
Client ID:	MW-82D_030619				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Recovery Report

Data File:	\\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8880.D				
Lims ID:	240-109195-E-3				
Client ID:	MW-82D_030619				
Sample Type:	Client				
Inject. Date:	19-Mar-2019 12:26:30	ALS Bottle#:	10	Worklist Smp#:	39
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0085279-039				
Misc. Info.:	J90319A,8260LLUX11,,43582				
Operator ID:	43582	Instrument ID:	A3UX11		
Method:	\\chromna\Canton\ChromData\A3UX11\20190319-85279.b\8260_11.m				
Limit Group:	MSV 8260B ICAL				
Last Update:	20-Mar-2019 07:46:44	Calib Date:	07-Feb-2019 20:09:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX0312				

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	40.0	39.4	98.45
$ 5 1,2-Dichloroethane-d4 (Surr)	40.0	43.8	109.46
$ 6 Toluene-d8 (Surr)	40.0	50.5	126.28
$ 7 4-Bromofluorobenzene (Surr)	40.0	47.2	117.96

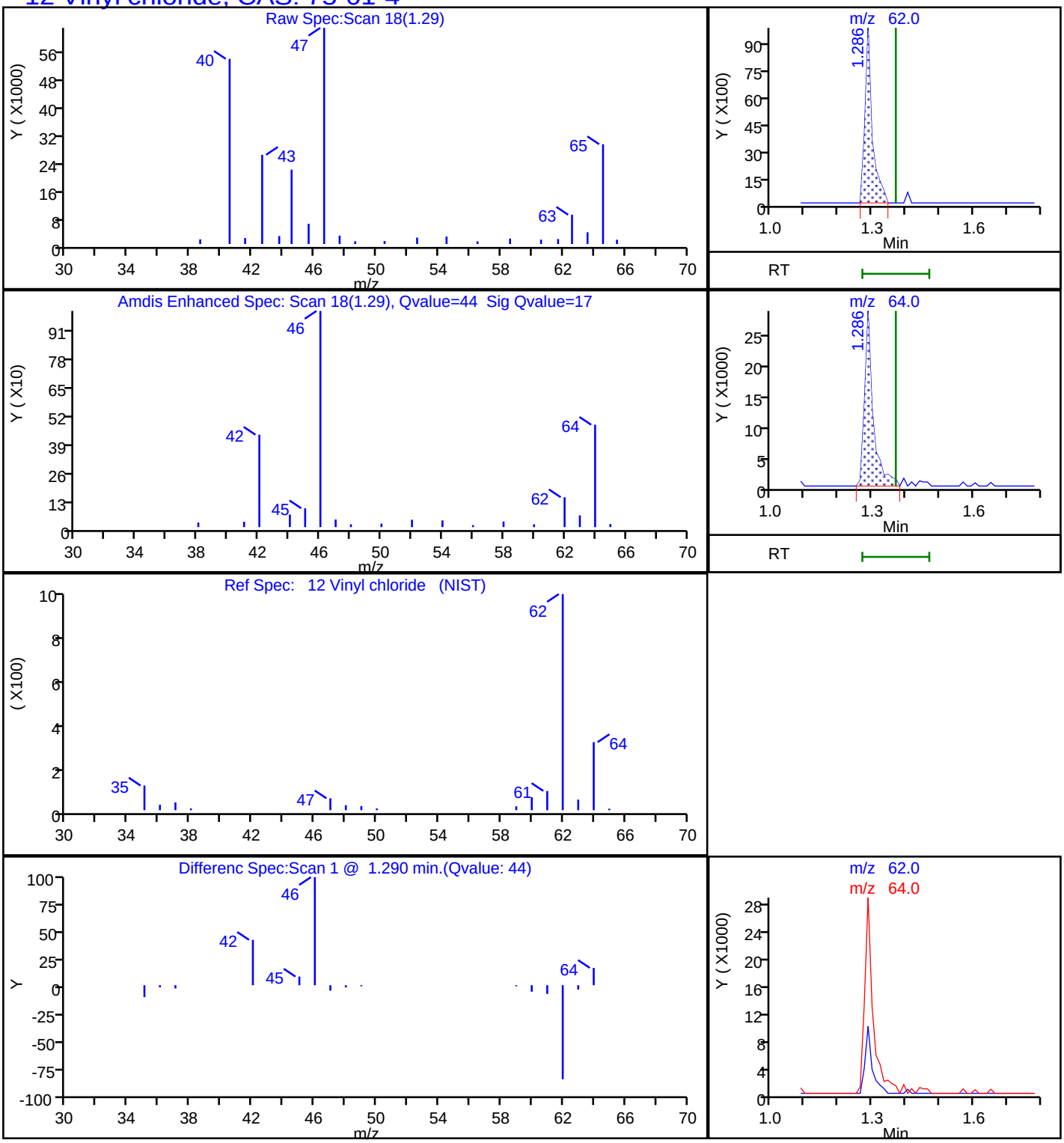
Report Date: 20-Mar-2019 07:47:12 Chrom Revision: 2.3 11-Feb-2019 16:31:10

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8880.D

Injection Date:	19-Mar-2019 12:26:30	Instrument ID:	A3UX11		
Lims ID:	240-109195-E-3	Lab Sample ID:	240-109195-3		
Client ID:	MW-82D_030619				
Operator ID:	43582	ALS Bottle#:	10	Worklist Smp#:	39
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_11	Limit Group:	MSV 8260B ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

12 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Client Sample ID: MW-80SR_030619 Lab Sample ID: 240-109195-4

Matrix: Water Lab File ID: UXC9496.D

Analysis Method: 8260B Date Collected: 03/06/2019 16:15

Sample wt/vol: 5(mL) Date Analyzed: 03/20/2019 13:45

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 372409 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.19
156-59-2	cis-1,2-Dichloroethene	0.18	J	1.0	0.16
127-18-4	Tetrachloroethene	1.0	U	1.0	0.15
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.10
75-01-4	Vinyl chloride	2.1		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		70-121
460-00-4	4-Bromofluorobenzene (Surr)	72		59-120
2037-26-5	Toluene-d8 (Surr)	81		70-123
1868-53-7	Dibromofluoromethane (Surr)	99		75-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX15\20190320-85329.b\UXC9496.D
Lims ID: 240-109195-B-4
Client ID: MW-80SR_030619
Sample Type: Client
Inject. Date: 20-Mar-2019 13:45:30 ALS Bottle#: 14 Worklist Smp#: 36
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085329-036
Misc. Info.: C90320A,8260LLUX15,,43582
Operator ID: Instrument ID: A3UX15

Method: \\chromna\Canton\ChromData\A3UX15\20190320-85329.b\8260_15.m
Limit Group: MSV 8260B ICAL
Last Update: 21-Mar-2019 09:06:09 Calib Date: 21-Jan-2019 19:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8431.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0306

First Level Reviewer: evansle Date: 21-Mar-2019 08:43:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.196	5.196	0.000	99	1659866	10.0	
* 2 Chlorobenzene-d5	117	7.876	7.876	0.000	84	1327305	10.0	
* 3 1,4-Dichlorobenzene-d4	152	10.117	10.117	0.000	93	676860	10.0	
$ 4 Dibromofluoromethane (Surr	113	4.639	4.639	0.000	95	311016	7.92	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.923	4.923	0.000	100	370658	7.34	
$ 6 Toluene-d8 (Surr)	98	6.560	6.560	0.000	93	1041407	6.46	
$ 7 4-Bromofluorobenzene (Surr	95	8.991	8.991	0.000	95	329208	5.71	
11 Vinyl chloride	62	1.769	1.769	0.000	98	99142	2.07	
19 1,1-Dichloroethene	96		2.777				ND	
30 trans-1,2-Dichloroethene	96		3.405				ND	
39 cis-1,2-Dichloroethene	96	4.247	4.235	0.012	77	9223	0.1805	
58 Trichloroethene	130		5.504				ND	
74 Tetrachloroethene	164		7.117				ND	

Reagents:

vm40ml_vials_00009	Amount Added:	0.00	Units:	Run Reagent
VM50IS_00075	Amount Added:	1.00	Units: uL	Run Reagent
vm50ss_stk_00080	Amount Added:	0.80	Units: uL	Run Reagent
vmDist_H2o_00140	Amount Added:	0.00	Units:	Run Reagent

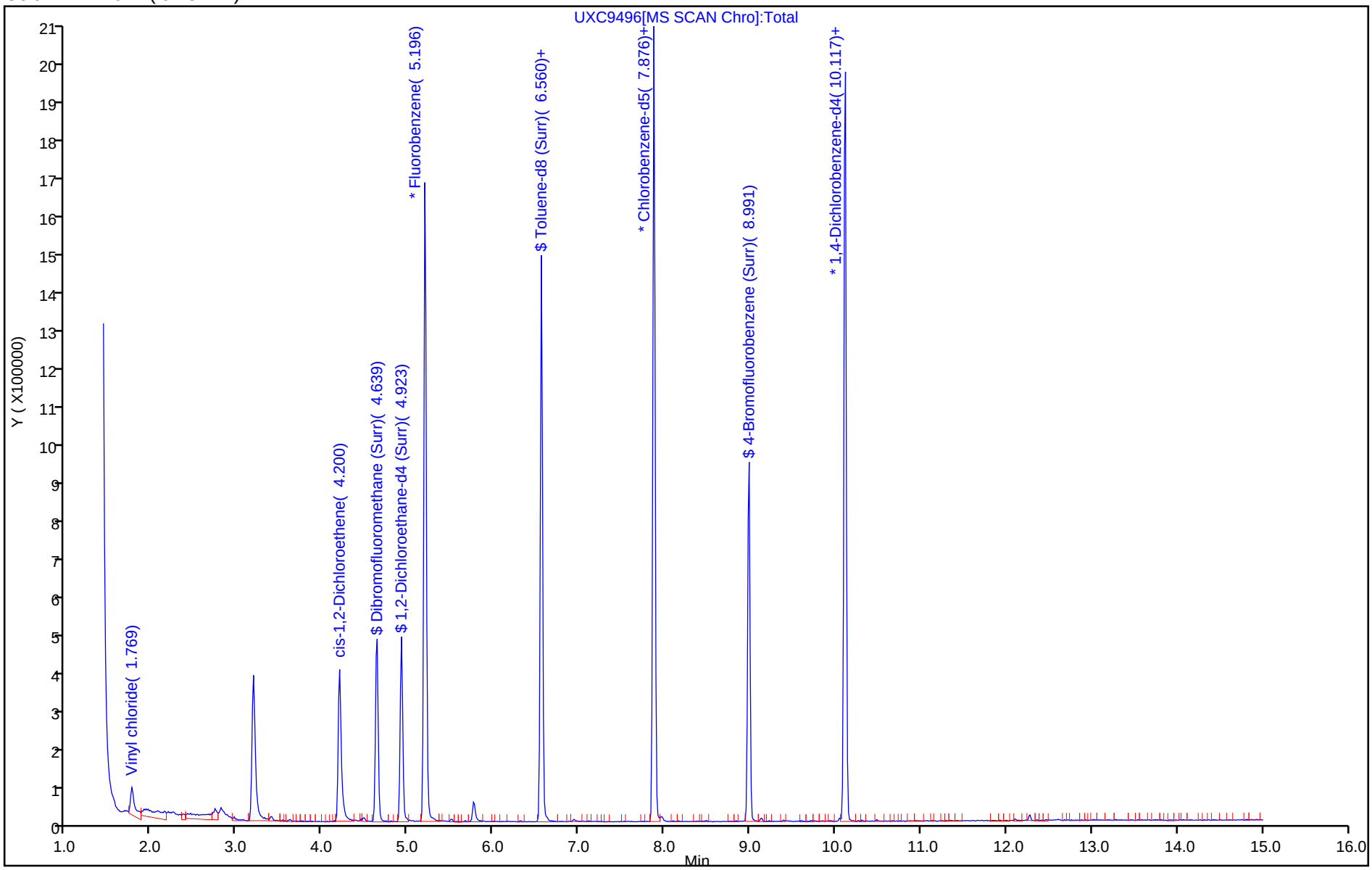
Report Date: 21-Mar-2019 09:06:23 Chrom Revision: 2.3 13-Mar-2019 09:24:14

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX15\20190320-85329.b\UXC9496.D

Injection Date:	20-Mar-2019 13:45:30	Instrument ID:	A3UX15	Operator ID:	
Lims ID:	240-109195-B-4	Lab Sample ID:	240-109195-4	Worklist Smp#:	36
Client ID:	MW-80SR_030619				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260_15	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Recovery Report

Data File: \\chromna\Canton\ChromData\A3UX15\20190320-85329.b\UXC9496.D
Lims ID: 240-109195-B-4
Client ID: MW-80SR_030619
Sample Type: Client
Inject. Date: 20-Mar-2019 13:45:30 ALS Bottle#: 14 Worklist Smp#: 36
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085329-036
Misc. Info.: C90320A,8260LLUX15,,43582
Operator ID: Instrument ID: A3UX15

Method: \\chromna\Canton\ChromData\A3UX15\20190320-85329.b\8260_15.m
Limit Group: MSV 8260B ICAL
Last Update: 21-Mar-2019 09:06:09 Calib Date: 21-Jan-2019 19:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX15\20190121-83824.b\UXC8431.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0306

First Level Reviewer: evansle Date: 21-Mar-2019 08:43:24

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	7.97	7.92	99.36
$ 5 1,2-Dichloroethane-d4 (Surr)	7.97	7.34	92.11
$ 6 Toluene-d8 (Surr)	7.97	6.46	81.11
$ 7 4-Bromofluorobenzene (Surr)	7.97	5.71	71.69

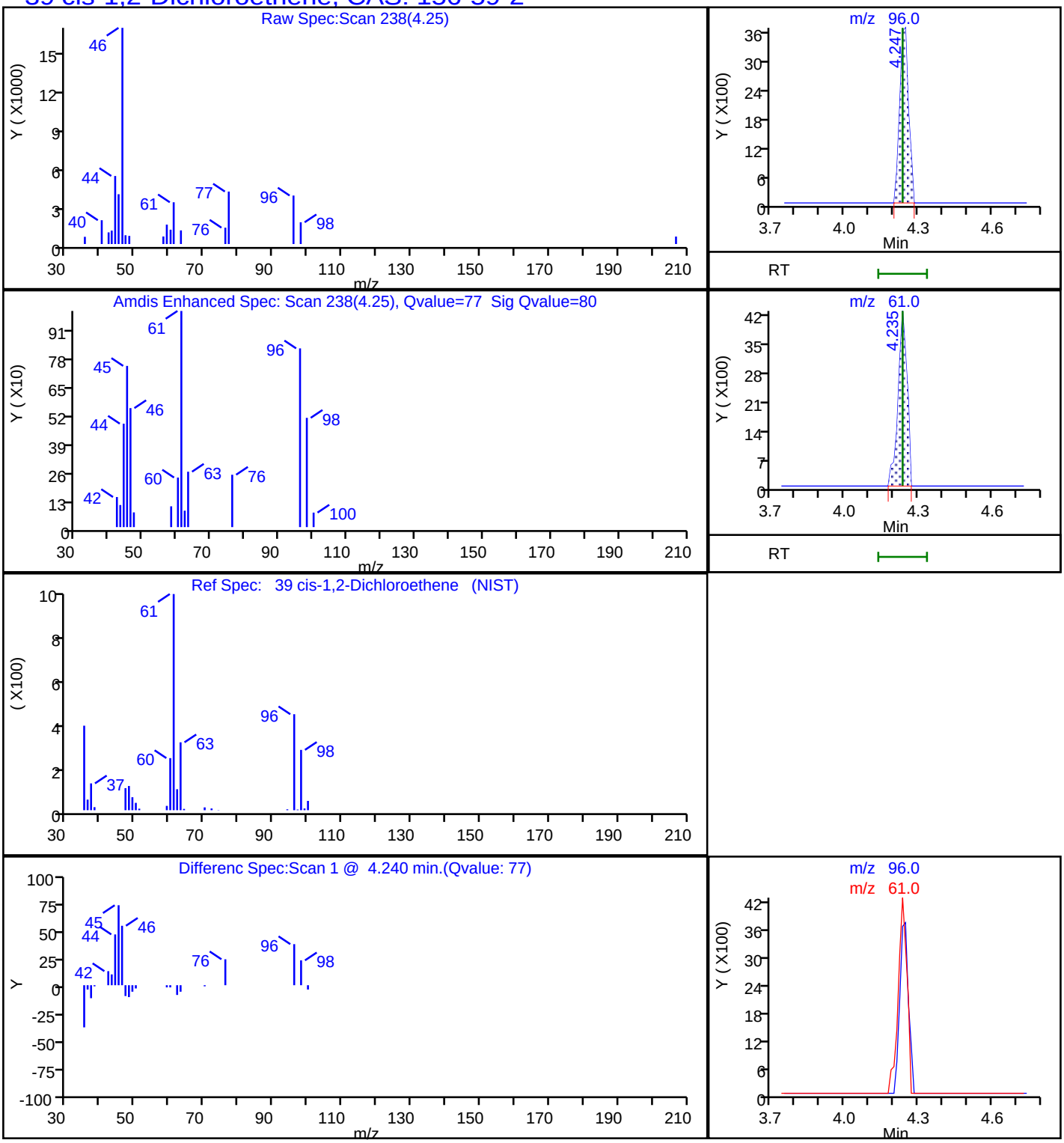
Report Date: 21-Mar-2019 09:06:23 Chrom Revision: 2.3 13-Mar-2019 09:24:14

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX15\20190320-85329.b\UXC9496.D

Injection Date:	20-Mar-2019 13:45:30	Instrument ID:	A3UX15		
Lims ID:	240-109195-B-4	Lab Sample ID:	240-109195-4		
Client ID:	MW-80SR_030619				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	36
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_15	Limit Group:	MSV 8260B ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

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



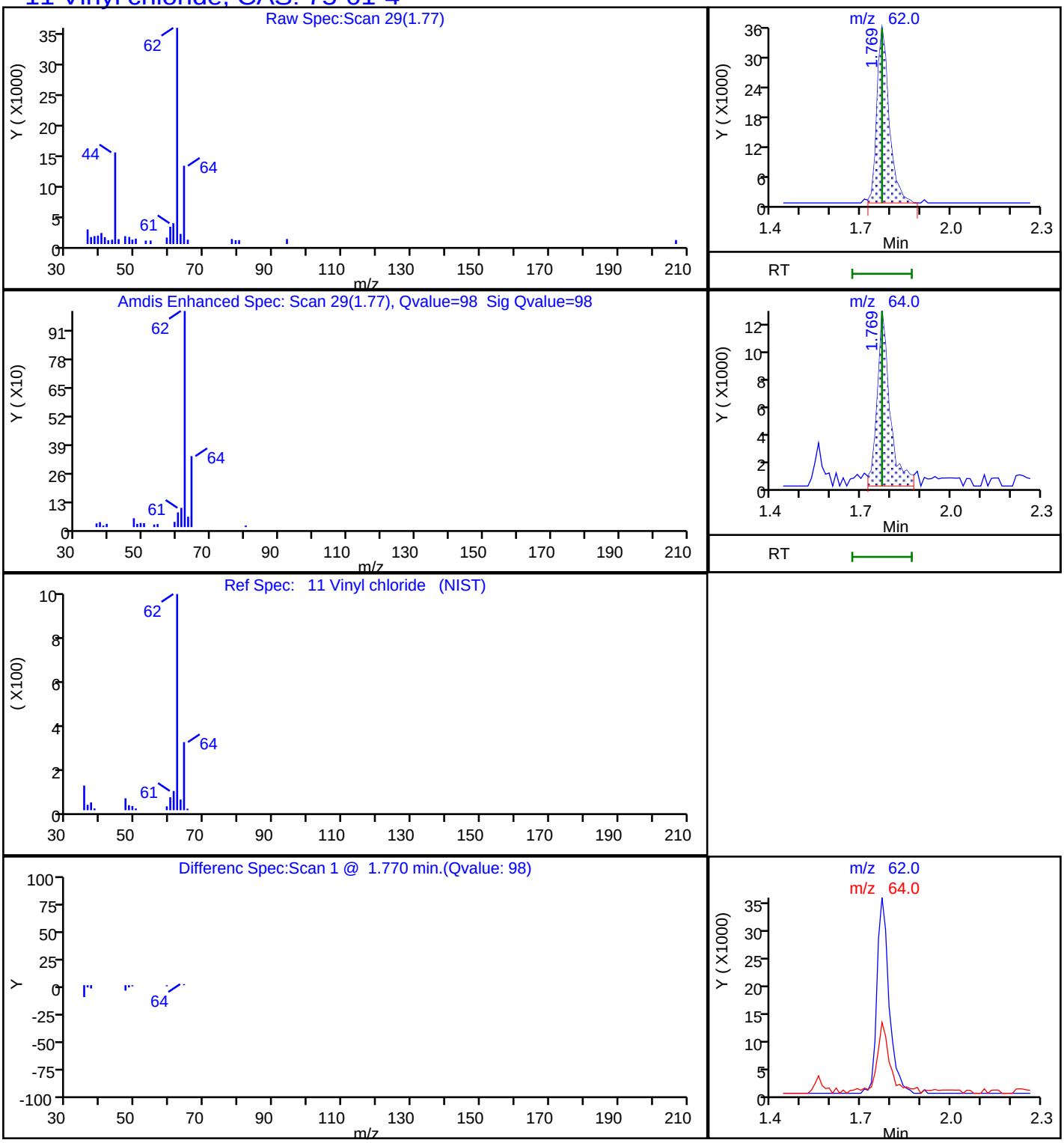
Report Date: 21-Mar-2019 09:06:23 Chrom Revision: 2.3 13-Mar-2019 09:24:14

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX15\20190320-85329.b\UXC9496.D

Injection Date:	20-Mar-2019 13:45:30	Instrument ID:	A3UX15		
Lims ID:	240-109195-B-4	Lab Sample ID:	240-109195-4		
Client ID:	MW-80SR_030619				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	36
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_15	Limit Group:	MSV 8260B ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

11 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-109195-1

SDG No.:

Client Sample ID: MW-101S_030619 Lab Sample ID: 240-109195-5

Matrix: Water Lab File ID: UXJ8882.D

Analysis Method: 8260B Date Collected: 03/06/2019 14:10

Sample wt/vol: 5(mL) Date Analyzed: 03/19/2019 13:11

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 372185 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.19
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.16
127-18-4	Tetrachloroethene	1.0	U	1.0	0.15
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.10
75-01-4	Vinyl chloride	0.58	J B *	1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		70-121
460-00-4	4-Bromofluorobenzene (Surr)	90		59-120
2037-26-5	Toluene-d8 (Surr)	109		70-123
1868-53-7	Dibromofluoromethane (Surr)	91		75-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8882.D
Lims ID: 240-109195-E-5
Client ID: MW-101S_030619
Sample Type: Client
Inject. Date: 19-Mar-2019 13:11:30 ALS Bottle#: 12 Worklist Smp#: 41
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085279-041
Misc. Info.: J90319A,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11

Method: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 20-Mar-2019 07:47:28 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: evansle Date: 20-Mar-2019 07:32:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.647	4.647	0.000	98	1409447	20.0	
* 2 Chlorobenzene-d5	117	7.297	7.297	0.000	89	877053	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	96	324829	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.091	4.091	0.000	98	299475	18.2	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.363	4.363	0.000	97	431078	21.7	
$ 6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	94	1131908	21.8	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	98	300996	18.1	
12 Vinyl chloride	62	1.274	1.369	-0.095	45	10908	0.5846	
21 1,1-Dichloroethene	96		2.233				ND	
34 trans-1,2-Dichloroethene	96		2.860				ND	
41 cis-1,2-Dichloroethene	96		3.688				ND	
60 Trichloroethene	130		4.966				ND	
76 Tetrachloroethene	164		6.552				ND	

Reagents:

vm40ml_vials_00009	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00139	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00080	Amount Added: 2.00	Units: uL	Run Reagent
VM50IS_00075	Amount Added: 2.00	Units: uL	Run Reagent

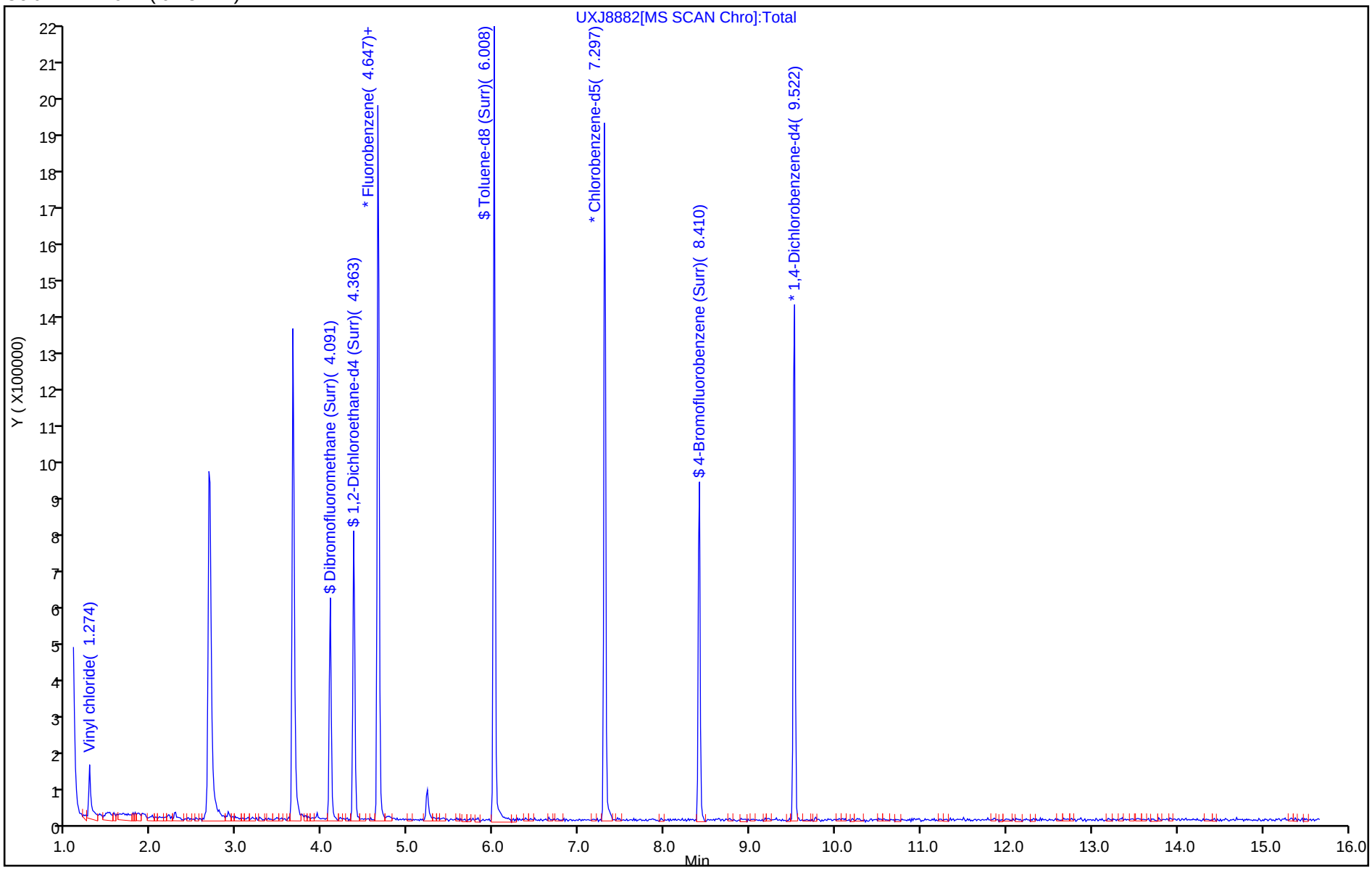
Report Date: 20-Mar-2019 07:47:32 Chrom Revision: 2.3 11-Feb-2019 16:31:10

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8882.D

Injection Date:	19-Mar-2019 13:11:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	240-109195-E-5	Lab Sample ID:	240-109195-5	Worklist Smp#:	41
Client ID:	MW-101S_030619				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Recovery Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8882.D
Lims ID: 240-109195-E-5
Client ID: MW-101S_030619
Sample Type: Client
Inject. Date: 19-Mar-2019 13:11:30 ALS Bottle#: 12 Worklist Smp#: 41
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085279-041
Misc. Info.: J90319A,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11

Method: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 20-Mar-2019 07:47:28 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: evansle Date: 20-Mar-2019 07:32:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.2	91.06
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.7	108.31
$ 6 Toluene-d8 (Surr)	20.0	21.8	108.75
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.1	90.42

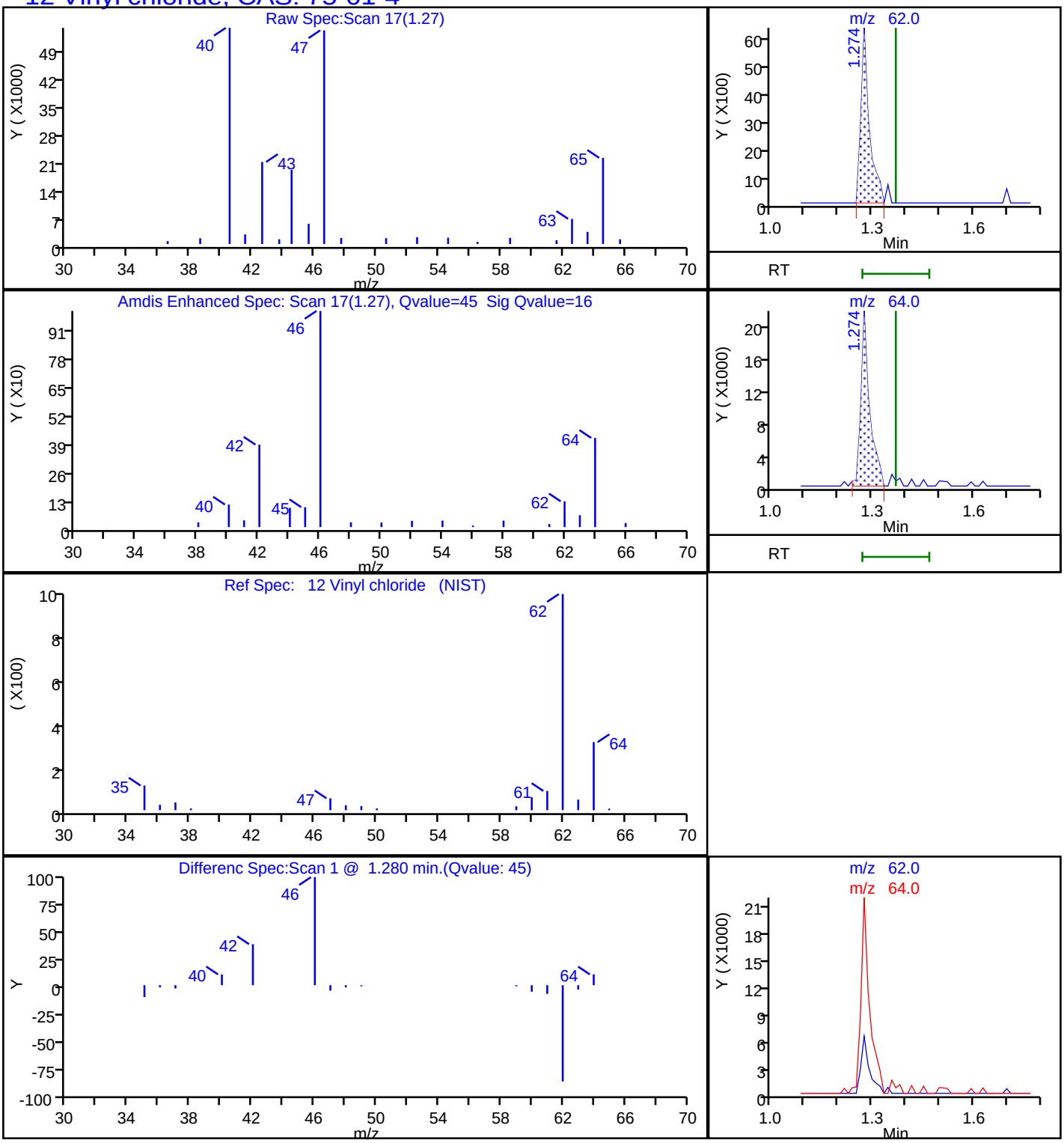
Report Date: 20-Mar-2019 07:47:32 Chrom Revision: 2.3 11-Feb-2019 16:31:10

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8882.D

Injection Date:	19-Mar-2019 13:11:30	Instrument ID:	A3UX11		
Lims ID:	240-109195-E-5	Lab Sample ID:	240-109195-5		
Client ID:	MW-101S_030619				
Operator ID:	43582	ALS Bottle#:	12	Worklist Smp#:	41
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_11	Limit Group:	MSV 8260B ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

12 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-109195-1

SDG No.:

Client Sample ID: MW-98S_030619 | Lab Sample ID: 240-109195-6

Matrix: Water | Lab File ID: UXJ8908.D

Analysis Method: 8260B | Date Collected: 03/06/2019 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 03/20/2019 11:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 372408 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.19
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.16
127-18-4	Tetrachloroethene	1.0	U	1.0	0.15
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.10
75-01-4	Vinyl chloride	0.43	J B *	1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		70-121
460-00-4	4-Bromofluorobenzene (Surr)	97		59-120
2037-26-5	Toluene-d8 (Surr)	117		70-123
1868-53-7	Dibromofluoromethane (Surr)	103		75-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190320-85328.b\UXJ8908.D
Lims ID: 240-109195-E-6
Client ID: MW-98S_030619
Sample Type: Client
Inject. Date: 20-Mar-2019 11:05:30 ALS Bottle#: 7 Worklist Smp#: 37
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085328-037
Misc. Info.: J90320A,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11

Method: \\chromna\Canton\ChromData\A3UX11\20190320-85328.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 21-Mar-2019 08:13:50 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0306

First Level Reviewer: evansle Date: 20-Mar-2019 12:26:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	4.659	4.647	0.012	98	1350820	20.0	
* 2 Chlorobenzene-d5	117	7.297	7.297	0.000	88	800886	20.0	
* 3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	97	305625	20.0	
$ 4 Dibromofluoromethane (Surr	113	4.091	4.091	0.000	98	323125	20.5	
$ 5 1,2-Dichloroethane-d4 (Sur	65	4.375	4.363	0.012	98	437754	23.0	
$ 6 Toluene-d8 (Surr)	98	6.008	6.008	0.000	94	1109736	23.4	
$ 7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	99	294926	19.4	
12 Vinyl chloride	62	1.286	1.369	-0.083	44	7762	0.4340	
21 1,1-Dichloroethene	96		2.233				ND	
34 trans-1,2-Dichloroethene	96		2.860				ND	
41 cis-1,2-Dichloroethene	96		3.688				ND	
60 Trichloroethene	130		4.966				ND	
76 Tetrachloroethene	164		6.552				ND	

Reagents:

vm40ml_vials_00009	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00139	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00080	Amount Added:	2.00	Units: uL	Run Reagent
VM50IS_00075	Amount Added:	2.00	Units: uL	Run Reagent

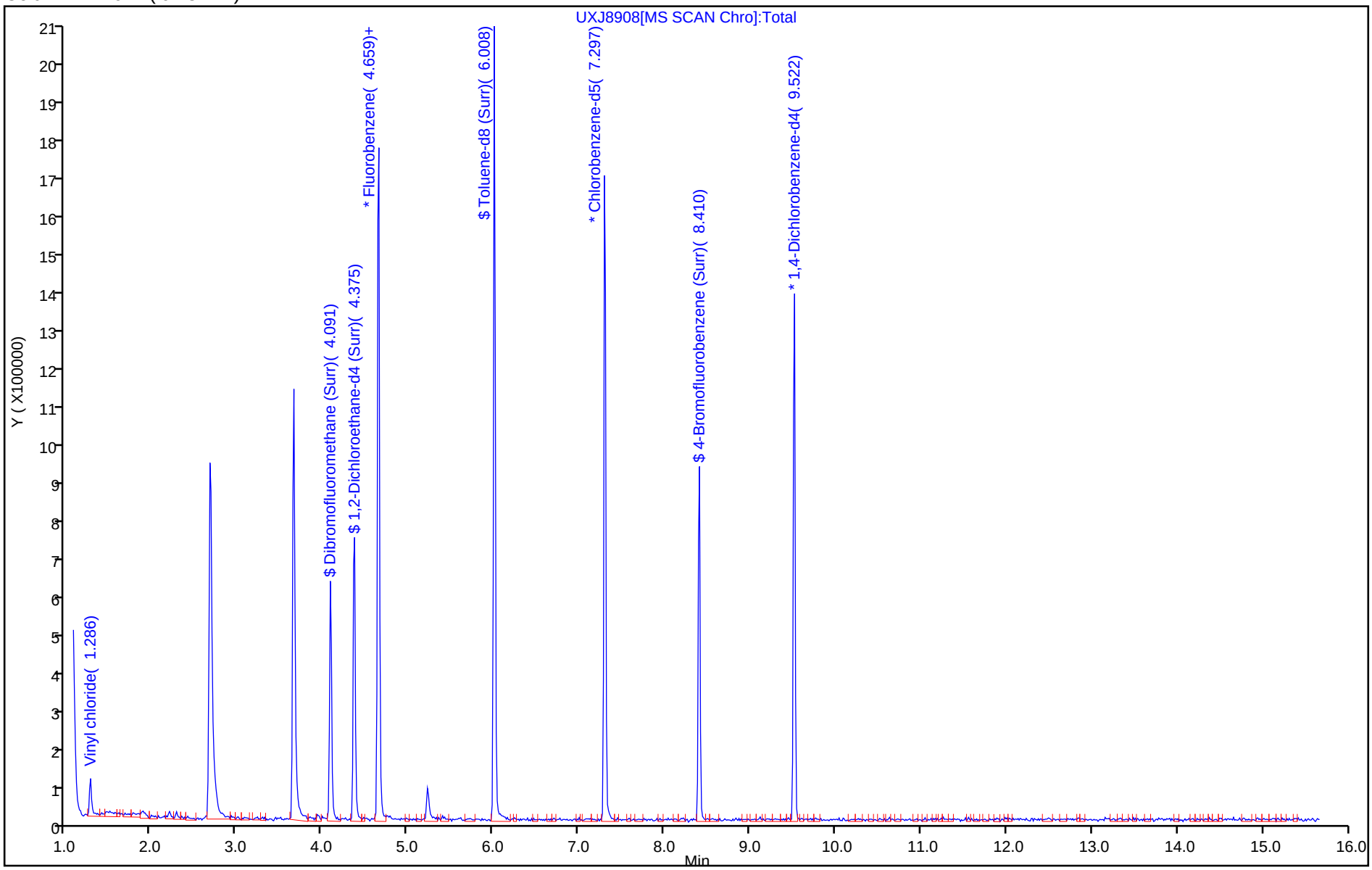
Report Date: 21-Mar-2019 08:14:02 Chrom Revision: 2.3 13-Mar-2019 09:24:14

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190320-85328.b\UXJ8908.D

Injection Date:	20-Mar-2019 11:05:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	240-109195-E-6	Lab Sample ID:	240-109195-6	Worklist Smp#:	37
Client ID:	MW-98S_030619				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Recovery Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190320-85328.b\UXJ8908.D
Lims ID: 240-109195-E-6
Client ID: MW-98S_030619
Sample Type: Client
Inject. Date: 20-Mar-2019 11:05:30 ALS Bottle#: 7 Worklist Smp#: 37
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085328-037
Misc. Info.: J90320A,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11

Method: \\chromna\Canton\ChromData\A3UX11\20190320-85328.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 21-Mar-2019 08:13:50 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0306

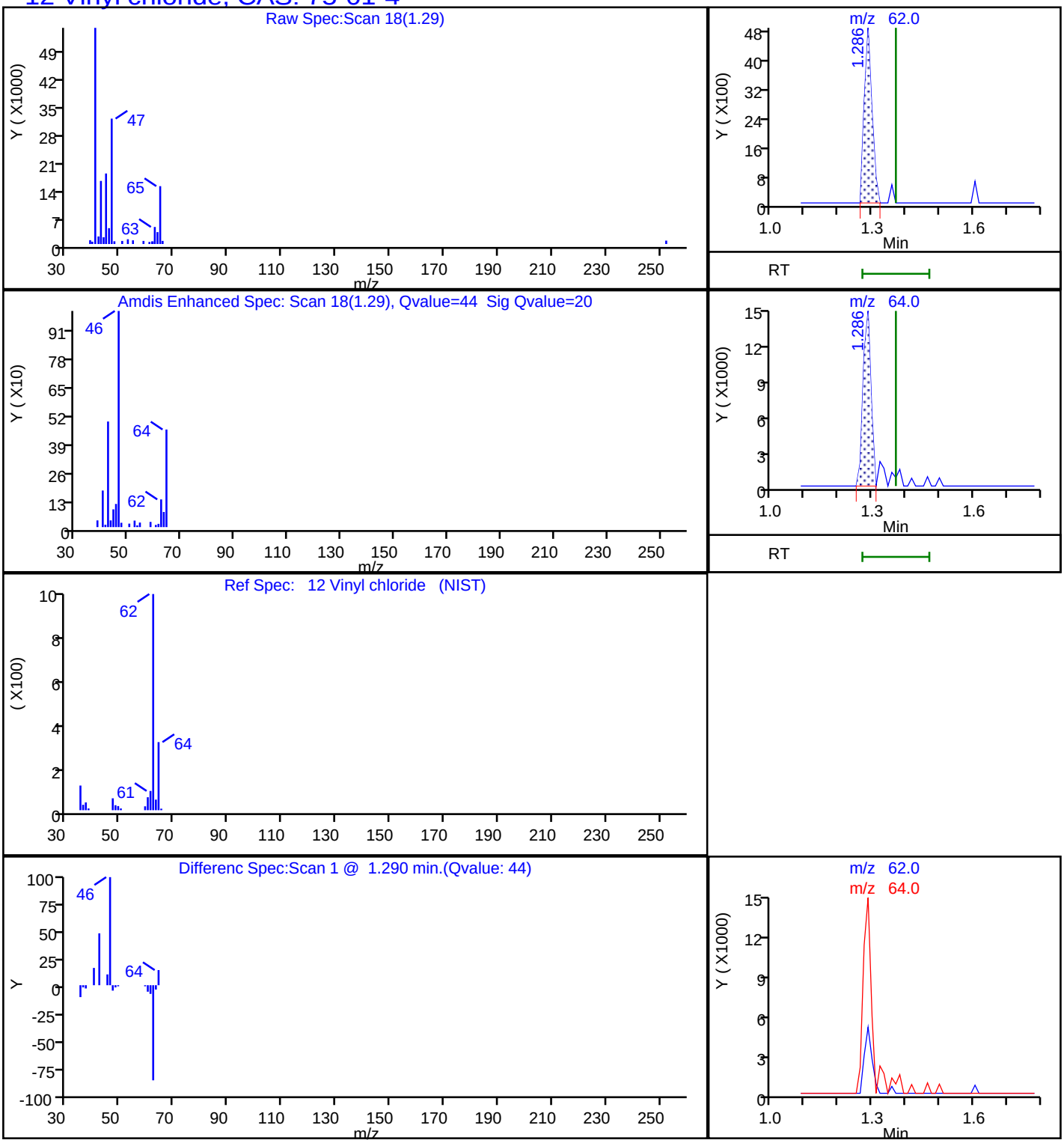
First Level Reviewer: evansle Date: 20-Mar-2019 12:26:00

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.5	102.52
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	23.0	114.77
$ 6 Toluene-d8 (Surr)	20.0	23.4	116.76
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.4	97.02

TestAmerica Canton

Data File:	\\chromna\Canton\ChromData\A3UX11\20190320-85328.b\UXJ8908.D				
Injection Date:	20-Mar-2019 11:05:30	Instrument ID:	A3UX11		
Lims ID:	240-109195-E-6	Lab Sample ID:	240-109195-6		
Client ID:	MW-98S_030619				
Operator ID:	43582	ALS Bottle#:	7	Worklist Smp#:	37
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_11	Limit Group:	MSV 8260B ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

12 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-109195-1

SDG No.:

Client Sample ID: MW-97S_030619 | Lab Sample ID: 240-109195-7

Matrix: Water | Lab File ID: UXJ8884.D

Analysis Method: 8260B | Date Collected: 03/06/2019 10:05

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2019 13:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 372185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.19
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.16
127-18-4	Tetrachloroethene	1.0	U	1.0	0.15
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.10
75-01-4	Vinyl chloride	0.42	J B *	1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		70-121
460-00-4	4-Bromofluorobenzene (Surr)	99		59-120
2037-26-5	Toluene-d8 (Surr)	113		70-123
1868-53-7	Dibromofluoromethane (Surr)	98		75-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8884.D
Lims ID: 240-109195-B-7
Client ID: MW-97S_030619
Sample Type: Client
Inject. Date: 19-Mar-2019 13:55:30 ALS Bottle#: 14 Worklist Smp#: 43
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085279-043
Misc. Info.: J90319A,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11

Method: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 20-Mar-2019 07:47:54 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0312

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	4.659	4.647	0.011	98	1344244	20.0	
*	2 Chlorobenzene-d5	117	7.297	7.297	0.000	89	776969	20.0	
*	3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	97	300226	20.0	
$	4 Dibromofluoromethane (Surr	113	4.091	4.091	0.000	96	308347	19.7	
$	5 1,2-Dichloroethane-d4 (Sur	65	4.375	4.363	0.011	98	408997	21.6	
$	6 Toluene-d8 (Surr)	98	6.007	6.008	-0.001	95	1045030	22.7	
$	7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	98	292200	19.8	
	12 Vinyl chloride	62	1.286	1.369	-0.083	45	7461	0.4192	
	21 1,1-Dichloroethene	96		2.233				ND	
	34 trans-1,2-Dichloroethene	96		2.860				ND	
	41 cis-1,2-Dichloroethene	96		3.688				ND	
	60 Trichloroethene	130		4.966				ND	
	76 Tetrachloroethene	164		6.552				ND	

Reagents:

vm40ml_vials_00009	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00139	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00080	Amount Added: 2.00	Units: uL	Run Reagent
VM50IS_00075	Amount Added: 2.00	Units: uL	Run Reagent

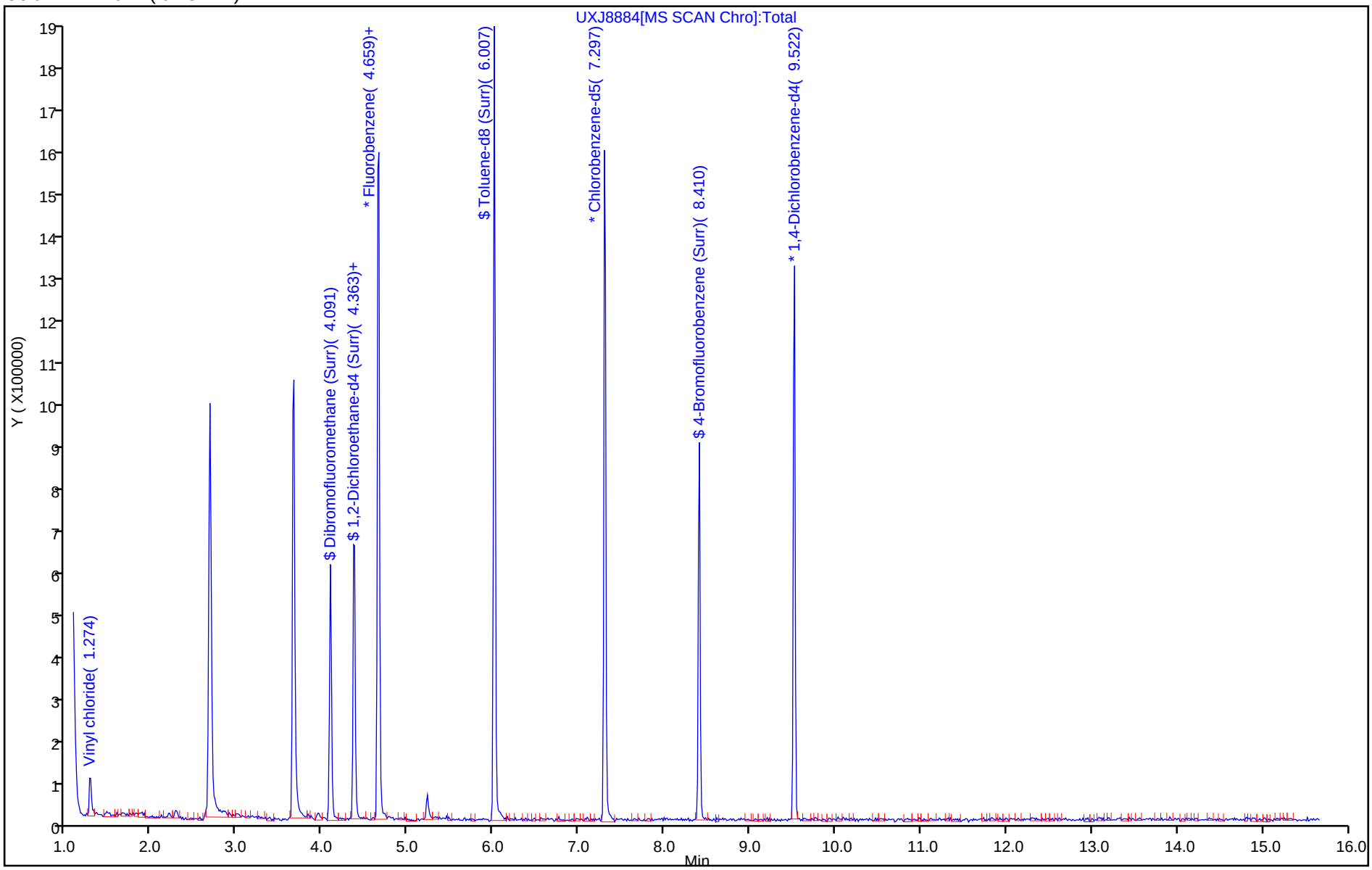
Report Date: 20-Mar-2019 07:47:58 Chrom Revision: 2.3 11-Feb-2019 16:31:10

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8884.D

Injection Date:	19-Mar-2019 13:55:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	240-109195-B-7	Lab Sample ID:	240-109195-7	Worklist Smp#:	43
Client ID:	MW-97S_030619				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Recovery Report

Data File:	\\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8884.D				
Lims ID:	240-109195-B-7				
Client ID:	MW-97S_030619				
Sample Type:	Client				
Inject. Date:	19-Mar-2019 13:55:30	ALS Bottle#:	14	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0085279-043				
Misc. Info.:	J90319A,8260LLUX11,,43582				
Operator ID:	43582	Instrument ID:	A3UX11		
Method:	\\chromna\Canton\ChromData\A3UX11\20190319-85279.b\8260_11.m				
Limit Group:	MSV 8260B ICAL				
Last Update:	20-Mar-2019 07:47:54	Calib Date:	07-Feb-2019 20:09:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX0312				

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.7	98.31
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.6	107.75
$ 6 Toluene-d8 (Surr)	20.0	22.7	113.34
$ 7 4-Bromofluorobenzene (Surr)	20.0	19.8	99.08

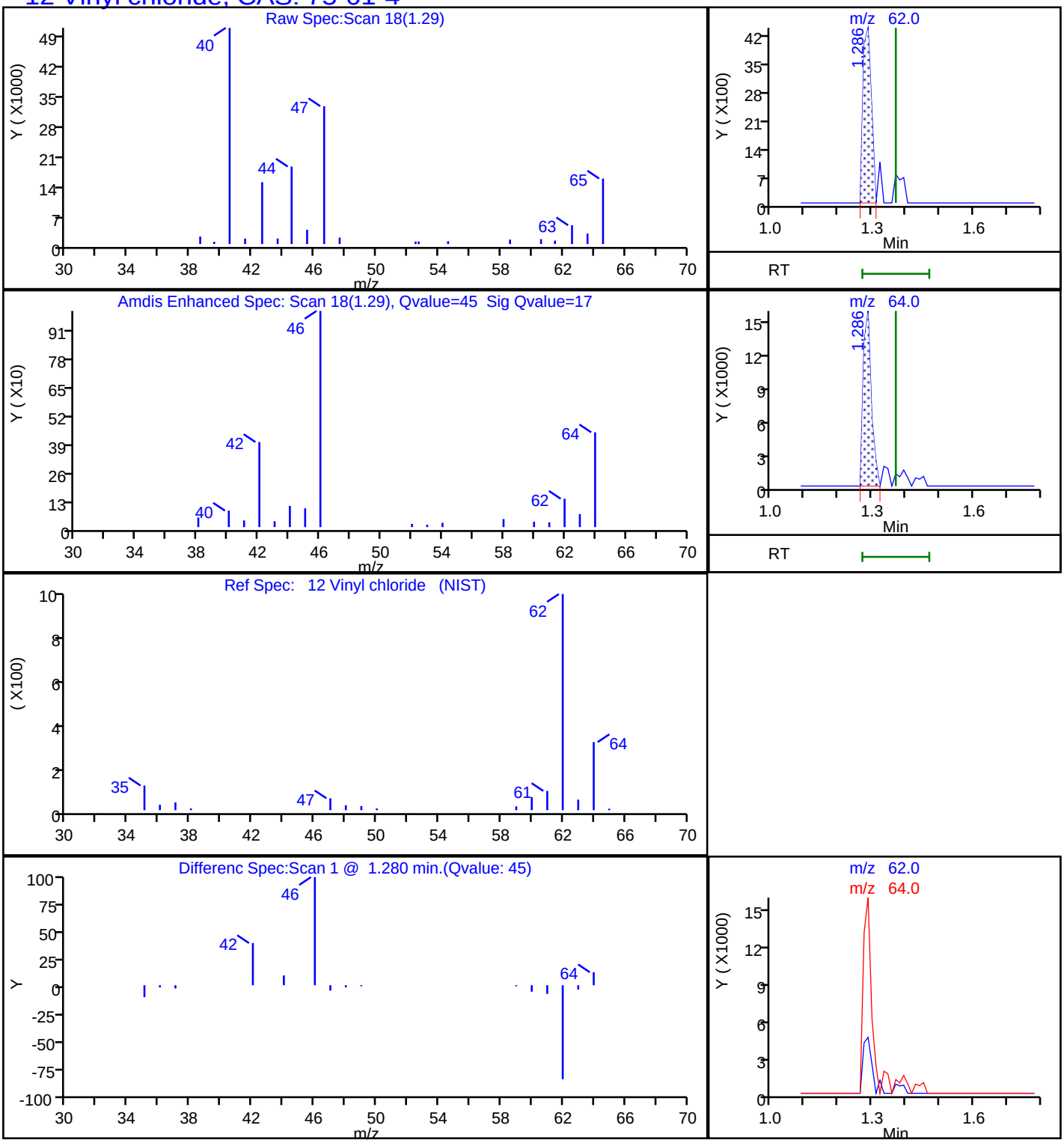
Report Date: 20-Mar-2019 07:47:58 Chrom Revision: 2.3 11-Feb-2019 16:31:10

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8884.D

Injection Date:	19-Mar-2019 13:55:30	Instrument ID:	A3UX11		
Lims ID:	240-109195-B-7	Lab Sample ID:	240-109195-7		
Client ID:	MW-97S_030619				
Operator ID:	43582	ALS Bottle#:	14	Worklist Smp#:	43
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_11	Limit Group:	MSV 8260B ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

12 Vinyl chloride, CAS: 75-01-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-109195-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 240-109195-8

Matrix: Water | Lab File ID: UXJ8887.D

Analysis Method: 8260B | Date Collected: 03/06/2019 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 03/19/2019 15:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 372185 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.19
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.16
127-18-4	Tetrachloroethene	1.0	U	1.0	0.15
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.19
79-01-6	Trichloroethene	1.0	U	1.0	0.10
75-01-4	Vinyl chloride	0.57	J B *	1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-121
460-00-4	4-Bromofluorobenzene (Surr)	90		59-120
2037-26-5	Toluene-d8 (Surr)	107		70-123
1868-53-7	Dibromofluoromethane (Surr)	94		75-128

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8887.D
Lims ID: 240-109195-A-8
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 19-Mar-2019 15:02:30 ALS Bottle#: 17 Worklist Smp#: 46
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0085279-046
Misc. Info.: J90319A,8260LLUX11,,43582
Operator ID: 43582 Instrument ID: A3UX11

Method: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\8260_11.m
Limit Group: MSV 8260B ICAL
Last Update: 20-Mar-2019 07:47:54 Calib Date: 07-Feb-2019 20:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX0312

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	4.658	4.647	0.011	99	1519095	20.0	
*	2 Chlorobenzene-d5	117	7.297	7.297	0.000	91	935048	20.0	
*	3 1,4-Dichlorobenzene-d4	152	9.522	9.522	0.000	97	338719	20.0	
$	4 Dibromofluoromethane (Surr	113	4.091	4.091	-0.001	96	334443	18.9	
$	5 1,2-Dichloroethane-d4 (Sur	65	4.363	4.363	0.000	98	452474	21.1	
$	6 Toluene-d8 (Surr)	98	6.007	6.008	-0.001	94	1182896	21.3	
$	7 4-Bromofluorobenzene (Surr	95	8.410	8.410	0.000	97	318222	17.9	
	12 Vinyl chloride	62	1.286	1.369	-0.083	45	11420	0.5678	
	21 1,1-Dichloroethene	96		2.233				ND	
	34 trans-1,2-Dichloroethene	96		2.860				ND	
	41 cis-1,2-Dichloroethene	96		3.688				ND	
	60 Trichloroethene	130		4.966				ND	
	76 Tetrachloroethene	164		6.552				ND	

Reagents:

vm40ml_vials_00009	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00139	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00080	Amount Added:	2.00	Units: uL	Run Reagent
VM50IS_00075	Amount Added:	2.00	Units: uL	Run Reagent

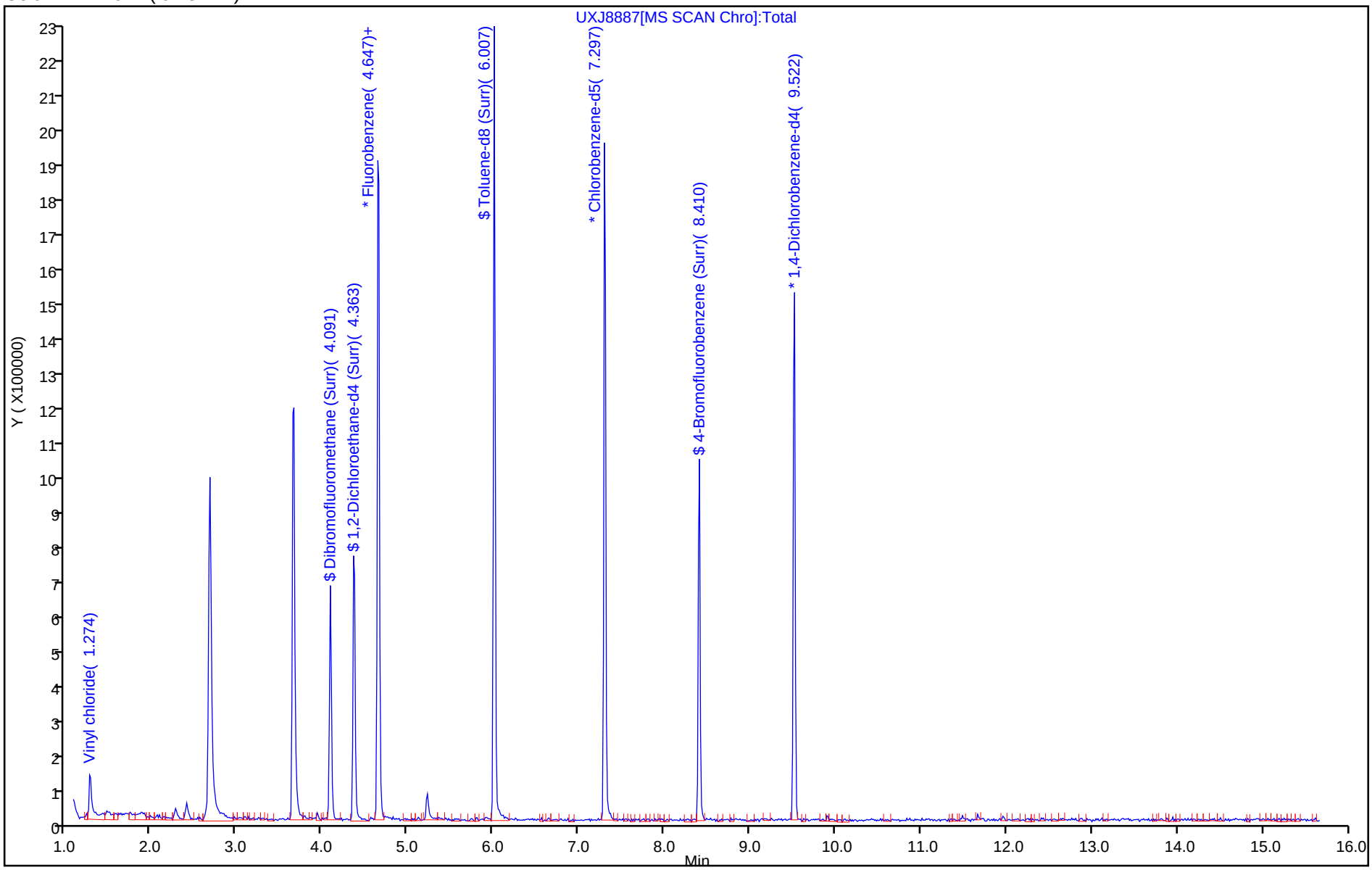
Report Date: 20-Mar-2019 07:48:05 Chrom Revision: 2.3 11-Feb-2019 16:31:10

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8887.D

Injection Date:	19-Mar-2019 15:02:30	Instrument ID:	A3UX11	Operator ID:	43582
Lims ID:	240-109195-A-8	Lab Sample ID:	240-109195-8	Worklist Smp#:	46
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260_11	Limit Group:	MSV 8260B ICAL		

Column: DB-624 (0.18 mm)



TestAmerica Canton
Recovery Report

Data File:	\\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8887.D				
Lims ID:	240-109195-A-8				
Client ID:	TRIP BLANK				
Sample Type:	Client				
Inject. Date:	19-Mar-2019 15:02:30	ALS Bottle#:	17	Worklist Smp#:	46
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0085279-046				
Misc. Info.:	J90319A,8260LLUX11,,43582				
Operator ID:	43582	Instrument ID:	A3UX11		
Method:	\\chromna\Canton\ChromData\A3UX11\20190319-85279.b\8260_11.m				
Limit Group:	MSV 8260B ICAL				
Last Update:	20-Mar-2019 07:47:54	Calib Date:	07-Feb-2019 20:09:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Canton\ChromData\A3UX11\20190207-84305.b\UXJ8040.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX0312				

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.9	94.35
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	21.1	105.48
$ 6 Toluene-d8 (Surr)	20.0	21.3	106.60
$ 7 4-Bromofluorobenzene (Surr)	20.0	17.9	89.66

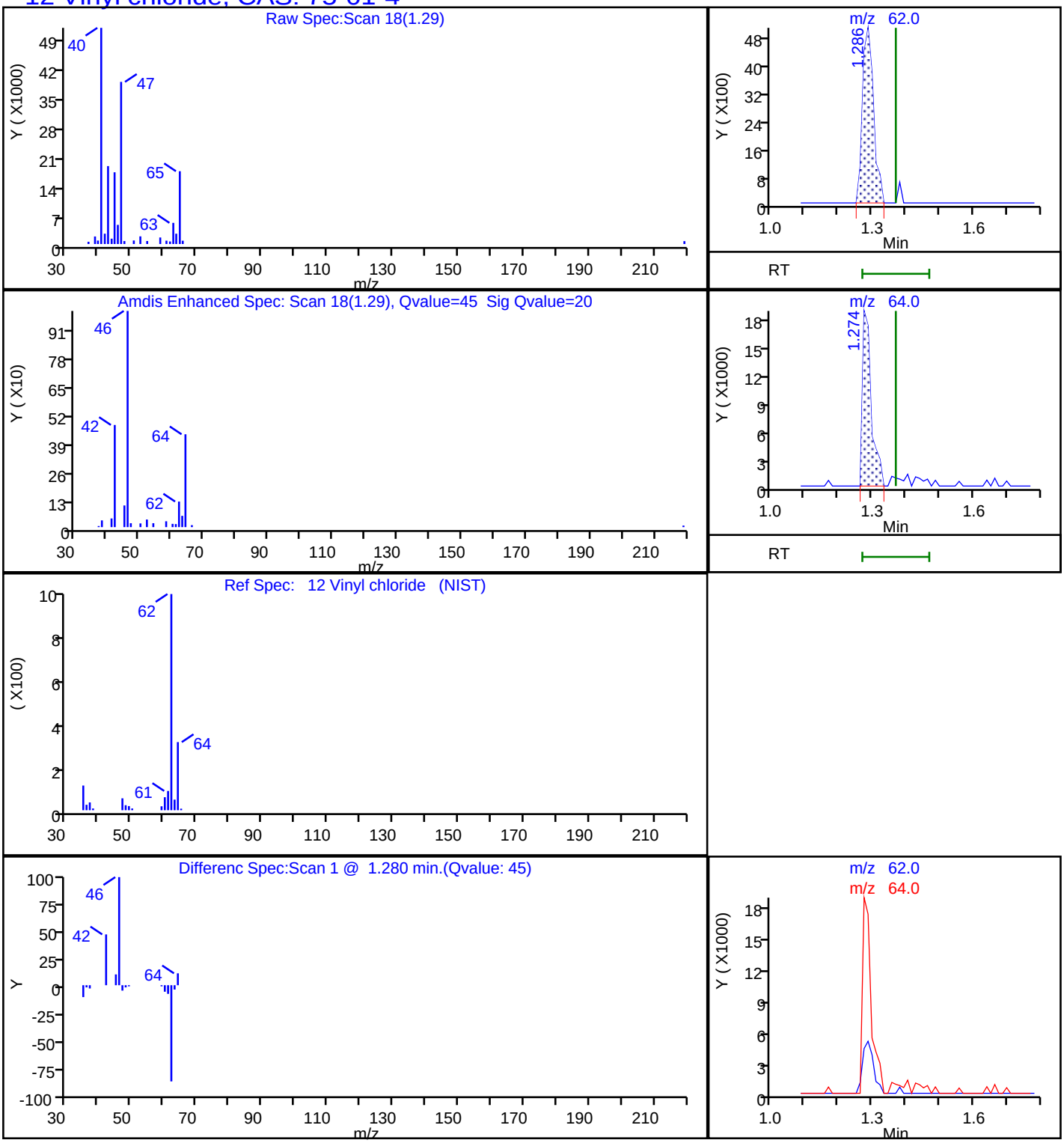
Report Date: 20-Mar-2019 07:48:05 Chrom Revision: 2.3 11-Feb-2019 16:31:10

TestAmerica Canton

Data File: \\chromna\Canton\ChromData\A3UX11\20190319-85279.b\UXJ8887.D

Injection Date:	19-Mar-2019 15:02:30	Instrument ID:	A3UX11		
Lims ID:	240-109195-A-8	Lab Sample ID:	240-109195-8		
Client ID:	TRIP BLANK				
Operator ID:	43582	ALS Bottle#:	17	Worklist Smp#:	46
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_11	Limit Group:	MSV 8260B ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

12 Vinyl chloride, CAS: 75-01-4



Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(70-121)	(59-120)	(70-123)	(75-128)
240-109195-1	MW-81_030619	108	117	122	98
240-109195-2	MW-81S_030619	106	115	115	95
240-109195-3	MW-82D_030619	109	118	126 X	98
240-109195-4	MW-80SR_030619	92	72	81	99
240-109195-5	MW-101S_030619	108	90	109	91
240-109195-6	MW-98S_030619	115	97	117	103
240-109195-7	MW-97S_030619	108	99	113	98
240-109195-7 MS	MW-97S_030619	91	96	103	82
240-109195-7 MSD	MW-97S_030619	89	95	102	79
240-109195-8	TRIP BLANK	105	90	107	94
240-109203-D-20 MS	Matrix Spike	87	86	87	98
240-109203-G-20 MSD	Matrix Spike Duplicate	85	86	86	97
LCS 240-372185/4	Lab Control Sample	102	115	121	89
LCS 240-372408/4	Lab Control Sample	104	113	123	88
LCS 240-372409/4	Lab Control Sample	79	80	81	88
MB 240-372185/6	Method Blank	108	96	111	101
MB 240-372408/6	Method Blank	112	98	118	98
MB 240-372409/6	Method Blank	81	63	72	86

Surrogate Legend

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

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		DCA
Lab Sample ID	Client Sample ID	(63-125)
240-109195-1	MW-81_030619	100
240-109195-2	MW-81S_030619	100
240-109195-3	MW-82D_030619	99
240-109195-4	MW-80SR_030619	100
240-109195-5	MW-101S_030619	102
240-109195-6	MW-98S_030619	102
240-109195-7	MW-97S_030619	104
240-109195-7 MS	MW-97S_030619	104
240-109195-7 MSD	MW-97S_030619	102
LCS 240-371373/4	Lab Control Sample	96
MB 240-371373/5	Method Blank	102

Surrogate Legend

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

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		DCA								
Lab Sample ID	Client Sample ID	(10-150)								
MRL 240-371373/6	Lab Control Sample	99								

Surrogate Legend

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

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-372185/6
Matrix: Water
Analysis Batch: 372185

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 10:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			03/19/19 10:15	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/19/19 10:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/19/19 10:15	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/19/19 10:15	1
Vinyl chloride	0.894	J	1.0	0.20	ug/L			03/19/19 10:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 121*		*03/19/19 10:15*	*1*
4-Bromofluorobenzene (Surr)	*96*		*59 - 120*		*03/19/19 10:15*	*1*
Toluene-d8 (Surr)	*111*		*70 - 123*		*03/19/19 10:15*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 128*		*03/19/19 10:15*	*1*

Lab Sample ID: LCS 240-372185/4
Matrix: Water
Analysis Batch: 372185

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	10.6		ug/L		106	65 - 139
cis-1,2-Dichloroethene	10.0	9.60		ug/L		96	76 - 128
Tetrachloroethene	10.0	8.25		ug/L		83	74 - 130
trans-1,2-Dichloroethene	10.0	9.74		ug/L		97	78 - 133
Trichloroethene	10.0	8.01		ug/L		80	76 - 125
Vinyl chloride	10.0	14.7	*	ug/L		147	58 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 121*
4-Bromofluorobenzene (Surr)	*115*		*59 - 120*
Toluene-d8 (Surr)	*121*		*70 - 123*
Dibromofluoromethane (Surr)	*89*		*75 - 128*

Lab Sample ID: MRL 240-372185/5
Matrix: Water
Analysis Batch: 372185

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	0.00100	0.00152	^	ng/uL		152	10 - 150

Lab Sample ID: 240-109195-7 MS
Matrix: Water
Analysis Batch: 372185

Client Sample ID: MW-97S_030619
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	1.0	U	10.0	7.99		ug/L		80	53 - 140
cis-1,2-Dichloroethene	1.0	U	10.0	8.33		ug/L		83	64 - 130
Tetrachloroethene	1.0	U	10.0	6.34		ug/L		63	51 - 136
trans-1,2-Dichloroethene	1.0	U	10.0	7.89		ug/L		79	68 - 133
Trichloroethene	1.0	U	10.0	6.59		ug/L		66	55 - 131

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

Lab Sample ID: 240-109195-7 MS
Matrix: Water
Analysis Batch: 372185

Client Sample ID: MW-97S_030619
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vinyl chloride	0.42	J B *	10.0	11.0		ug/L		106	43 - 154		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 121*
4-Bromofluorobenzene (Surr)	*96*		*59 - 120*
Toluene-d8 (Surr)	*103*		*70 - 123*
Dibromofluoromethane (Surr)	*82*		*75 - 128*

Lab Sample ID: 240-109195-7 MSD
Matrix: Water
Analysis Batch: 372185

Client Sample ID: MW-97S_030619
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	1.0	U	10.0	10.1		ug/L		101	53 - 140	24	35
cis-1,2-Dichloroethene	1.0	U	10.0	9.54		ug/L		95	64 - 130	14	21
Tetrachloroethene	1.0	U	10.0	7.53		ug/L		75	51 - 136	17	23
trans-1,2-Dichloroethene	1.0	U	10.0	9.46		ug/L		95	68 - 133	18	24
Trichloroethene	1.0	U	10.0	7.42		ug/L		74	55 - 131	12	23
Vinyl chloride	0.42	J B *	10.0	12.9		ug/L		125	43 - 154	16	29

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 121*
4-Bromofluorobenzene (Surr)	*95*		*59 - 120*
Toluene-d8 (Surr)	*102*		*70 - 123*
Dibromofluoromethane (Surr)	*79*		*75 - 128*

Lab Sample ID: MB 240-372408/6
Matrix: Water
Analysis Batch: 372408

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/20/19 10:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			03/20/19 10:21	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/20/19 10:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/20/19 10:21	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/20/19 10:21	1
Vinyl chloride	0.459	J	1.0	0.20	ug/L			03/20/19 10:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 121*		*03/20/19 10:21*	*1*
4-Bromofluorobenzene (Surr)	*98*		*59 - 120*		*03/20/19 10:21*	*1*
Toluene-d8 (Surr)	*118*		*70 - 123*		*03/20/19 10:21*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 128*		*03/20/19 10:21*	*1*

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

Lab Sample ID: LCS 240-372408/4
Matrix: Water
Analysis Batch: 372408

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	10.8		ug/L		108	65 - 139
cis-1,2-Dichloroethene	10.0	9.87		ug/L		99	76 - 128
Tetrachloroethene	10.0	8.34		ug/L		83	74 - 130
trans-1,2-Dichloroethene	10.0	10.2		ug/L		102	78 - 133
Trichloroethene	10.0	8.19		ug/L		82	76 - 125
Vinyl chloride	10.0	15.0	*	ug/L		150	58 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 121*
4-Bromofluorobenzene (Surr)	*113*		*59 - 120*
Toluene-d8 (Surr)	*123*		*70 - 123*
Dibromofluoromethane (Surr)	*88*		*75 - 128*

Lab Sample ID: MB 240-372409/6
Matrix: Water
Analysis Batch: 372409

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/20/19 10:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.16	ug/L			03/20/19 10:25	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			03/20/19 10:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.19	ug/L			03/20/19 10:25	1
Trichloroethene	1.0	U	1.0	0.10	ug/L			03/20/19 10:25	1
Vinyl chloride	1.0	U	1.0	0.20	ug/L			03/20/19 10:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*70 - 121*		*03/20/19 10:25*	*1*
4-Bromofluorobenzene (Surr)	*63*		*59 - 120*		*03/20/19 10:25*	*1*
Toluene-d8 (Surr)	*72*		*70 - 123*		*03/20/19 10:25*	*1*
Dibromofluoromethane (Surr)	*86*		*75 - 128*		*03/20/19 10:25*	*1*

Lab Sample ID: LCS 240-372409/4
Matrix: Water
Analysis Batch: 372409

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	9.13		ug/L		91	65 - 139
cis-1,2-Dichloroethene	10.0	10.9		ug/L		109	76 - 128
Tetrachloroethene	10.0	10.9		ug/L		109	74 - 130
trans-1,2-Dichloroethene	10.0	11.4		ug/L		114	78 - 133
Trichloroethene	10.0	10.2		ug/L		102	76 - 125
Vinyl chloride	10.0	9.43		ug/L		94	58 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*79*		*70 - 121*
4-Bromofluorobenzene (Surr)	*80*		*59 - 120*
Toluene-d8 (Surr)	*81*		*70 - 123*

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

Lab Sample ID: LCS 240-372409/4
Matrix: Water
Analysis Batch: 372409

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*88*		*75 - 128*

Lab Sample ID: 240-109203-D-20 MS
Matrix: Water
Analysis Batch: 372409

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	1.0	U	10.0	7.76		ug/L		78	53 - 140
cis-1,2-Dichloroethene	1.0	U	10.0	10.1		ug/L		101	64 - 130
Tetrachloroethene	1.0	U	10.0	9.23		ug/L		92	51 - 136
trans-1,2-Dichloroethene	1.0	U	10.0	10.5		ug/L		105	68 - 133
Trichloroethene	1.0	U	10.0	8.98		ug/L		90	55 - 131
Vinyl chloride	1.0	U	10.0	9.78		ug/L		98	43 - 154

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 121*
4-Bromofluorobenzene (Surr)	*86*		*59 - 120*
Toluene-d8 (Surr)	*87*		*70 - 123*
Dibromofluoromethane (Surr)	*98*		*75 - 128*

Lab Sample ID: 240-109203-G-20 MSD
Matrix: Water
Analysis Batch: 372409

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	1.0	U	10.0	8.70		ug/L		87	53 - 140	11	35
cis-1,2-Dichloroethene	1.0	U	10.0	10.4		ug/L		104	64 - 130	3	21
Tetrachloroethene	1.0	U	10.0	10.3		ug/L		103	51 - 136	11	23
trans-1,2-Dichloroethene	1.0	U	10.0	10.8		ug/L		108	68 - 133	3	24
Trichloroethene	1.0	U	10.0	9.73		ug/L		97	55 - 131	8	23
Vinyl chloride	1.0	U	10.0	9.20		ug/L		92	43 - 154	6	29

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 121*
4-Bromofluorobenzene (Surr)	*86*		*59 - 120*
Toluene-d8 (Surr)	*86*		*70 - 123*
Dibromofluoromethane (Surr)	*97*		*75 - 128*

Method: 8260B SIM - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-371373/5
Matrix: Water
Analysis Batch: 371373

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.0	U	2.0	0.86	ug/L			03/13/19 11:11	1

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

Lab Sample ID: MB 240-371373/5
Matrix: Water
Analysis Batch: 371373

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		63 - 125		03/13/19 11:11	1

Lab Sample ID: LCS 240-371373/4
Matrix: Water
Analysis Batch: 371373

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			10.0	10.8		ug/L		108	59 - 131		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		63 - 125

Lab Sample ID: MRL 240-371373/6
Matrix: Water
Analysis Batch: 371373

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			0.00100	0.00132	J	ng/uL		132	10 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		10 - 150

Lab Sample ID: 240-109195-7 MS
Matrix: Water
Analysis Batch: 371373

Client Sample ID: MW-97S_030619
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	2.0	U F2	10.0	10.0		ug/L		100	52 - 129		

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		63 - 125

Lab Sample ID: 240-109195-7 MSD
Matrix: Water
Analysis Batch: 371373

Client Sample ID: MW-97S_030619
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	2.0	U F2	10.0	11.8	F2	ug/L		118	52 - 129	16	13

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		63 - 125

GC/MS VOA

Analysis Batch: 371373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-109195-1	MW-81_030619	Total/NA	Water	8260B SIM	
240-109195-2	MW-81S_030619	Total/NA	Water	8260B SIM	
240-109195-3	MW-82D_030619	Total/NA	Water	8260B SIM	
240-109195-4	MW-80SR_030619	Total/NA	Water	8260B SIM	
240-109195-5	MW-101S_030619	Total/NA	Water	8260B SIM	
240-109195-6	MW-98S_030619	Total/NA	Water	8260B SIM	
240-109195-7	MW-97S_030619	Total/NA	Water	8260B SIM	
MB 240-371373/5	Method Blank	Total/NA	Water	8260B SIM	
LCS 240-371373/4	Lab Control Sample	Total/NA	Water	8260B SIM	
MRL 240-371373/6	Lab Control Sample	Total/NA	Water	8260B SIM	
240-109195-7 MS	MW-97S_030619	Total/NA	Water	8260B SIM	
240-109195-7 MSD	MW-97S_030619	Total/NA	Water	8260B SIM	

Analysis Batch: 372185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-109195-1	MW-81_030619	Total/NA	Water	8260B	
240-109195-2	MW-81S_030619	Total/NA	Water	8260B	
240-109195-3	MW-82D_030619	Total/NA	Water	8260B	
240-109195-5	MW-101S_030619	Total/NA	Water	8260B	
240-109195-7	MW-97S_030619	Total/NA	Water	8260B	
240-109195-8	TRIP BLANK	Total/NA	Water	8260B	
MB 240-372185/6	Method Blank	Total/NA	Water	8260B	
LCS 240-372185/4	Lab Control Sample	Total/NA	Water	8260B	
MRL 240-372185/5	Lab Control Sample	Total/NA	Water	8260B	
240-109195-7 MS	MW-97S_030619	Total/NA	Water	8260B	
240-109195-7 MSD	MW-97S_030619	Total/NA	Water	8260B	

Analysis Batch: 372408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-109195-6	MW-98S_030619	Total/NA	Water	8260B	
MB 240-372408/6	Method Blank	Total/NA	Water	8260B	
LCS 240-372408/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 372409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-109195-4	MW-80SR_030619	Total/NA	Water	8260B	
MB 240-372409/6	Method Blank	Total/NA	Water	8260B	
LCS 240-372409/4	Lab Control Sample	Total/NA	Water	8260B	
240-109203-D-20 MS	Matrix Spike	Total/NA	Water	8260B	
240-109203-G-20 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Client Sample ID: MW-81_030619

Lab Sample ID: 240-109195-1

Date Collected: 03/06/19 14:26

Matrix: Water

Date Received: 03/11/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372185	03/19/19 11:42	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	371373	03/13/19 14:37	SAM	TAL CAN

Client Sample ID: MW-81S_030619

Lab Sample ID: 240-109195-2

Date Collected: 03/06/19 13:03

Matrix: Water

Date Received: 03/11/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372185	03/19/19 12:04	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	371373	03/13/19 15:02	SAM	TAL CAN

Client Sample ID: MW-82D_030619

Lab Sample ID: 240-109195-3

Date Collected: 03/06/19 10:30

Matrix: Water

Date Received: 03/11/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372185	03/19/19 12:26	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	371373	03/13/19 15:28	SAM	TAL CAN

Client Sample ID: MW-80SR_030619

Lab Sample ID: 240-109195-4

Date Collected: 03/06/19 16:15

Matrix: Water

Date Received: 03/11/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372409	03/20/19 13:45	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	371373	03/13/19 15:54	SAM	TAL CAN

Client Sample ID: MW-101S_030619

Lab Sample ID: 240-109195-5

Date Collected: 03/06/19 14:10

Matrix: Water

Date Received: 03/11/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372185	03/19/19 13:11	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	371373	03/13/19 16:20	SAM	TAL CAN

Client Sample ID: MW-98S_030619

Lab Sample ID: 240-109195-6

Date Collected: 03/06/19 12:40

Matrix: Water

Date Received: 03/11/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372408	03/20/19 11:05	LEE	TAL CAN

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Client Sample ID: MW-98S_030619

Lab Sample ID: 240-109195-6

Date Collected: 03/06/19 12:40
Matrix: Water
Date Received: 03/11/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B SIM		1	371373	03/13/19 16:45	SAM	TAL CAN

Client Sample ID: MW-97S_030619

Lab Sample ID: 240-109195-7

Date Collected: 03/06/19 10:05
Matrix: Water
Date Received: 03/11/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372185	03/19/19 13:55	LEE	TAL CAN
Total/NA	Analysis	8260B SIM		1	371373	03/13/19 17:11	SAM	TAL CAN

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-109195-8

Date Collected: 03/06/19 00:00
Matrix: Water
Date Received: 03/11/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372185	03/19/19 15:02	LEE	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ford LTP Livonia MI - E203631

TestAmerica Job ID: 240-109195-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2927	02-23-20
Connecticut	State Program	1	PH-0590	12-31-19
Florida	NELAP	4	E87225	06-30-19
Illinois	NELAP	5	200004	07-31-19
Kansas	NELAP	7	E-10336	04-30-19 *
Kentucky (UST)	State Program	4	58	02-23-20
Kentucky (WW)	State Program	4	98016	12-31-19
Minnesota	NELAP	5	039-999-348	12-31-19 *
Minnesota (Petrofund)	State Program	1	3506	07-31-19
Nevada	State Program	9	OH00048	07-31-19
New Jersey	NELAP	2	OH001	06-30-19
New York	NELAP	2	10975	03-31-19 *
Ohio VAP	State Program	5	CL0024	09-06-19
Oregon	NELAP	10	4062	02-23-20
Pennsylvania	NELAP	3	68-00340	08-31-19 *
Texas	NELAP	6	T104704517-18-10	08-31-19
USDA	Federal		P330-16-00404	12-28-19
Virginia	NELAP	3	460175	09-14-19
Washington	State Program	10	C971	01-12-20 *
West Virginia DEP	State Program	3	210	12-31-19

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

MICHIGAN 190

4.0/3.8

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

TestAmerica Laboratories, Inc.

Client Contact	Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other		
Company Name: Arcadis	Client Project Manager: Kris Hinskey	Site Contact: Angela DeGrandis	Lab Contact: Mike DelMonico
Address: 28550 Cabot Drive, Suite 500	Telephone: 248-994-2240	Telephone: 734-320-0065	Telephone: 330-497-9396
City/State/Zip: Novi, MI, 48377	Email: kristoffer.hinskey@arcadis.com	Analysis Turnaround Time	COC No: / of / COCs
Phone: 248-994-2240		TAT if different from below: ☐ 3 weeks ☑ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	For lab use only
Project Name: Ford LTP		10 day	Walk-in client
Project Number: ~~M1001454.0004.00002~~ MI001454.0006.00003	Method of Shipment/Carrier:		Lab sampling
PO # ~~M1001454.0004.00002~~ MI001454.0006.00003	Shipping/Tracking No:		Job/SDG No:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	Zn Ac/ NaOH	Unpres	Other:	Filtered Sample (Y / N)	Composite=C / Grab=G	Analyses: 1,1-DCE 8260B	cis-1,2-DCE 8260B	Trans-1,2-DCE 8260B	PCE 8260B	TCE 8260B	Vinyl Chloride 8260B	1,4-Dioxane 8260B SIM	Sample Specific Notes / Special Instructions:
MW-81_030619	3/6/19	1426		X						X					N	G	X	X	X	X	X	X	3	3 VOAs FOR 8260B 3 VOAs FOR 8260B SIM
MW-81S_030619	3/6/19	1303		X						X					N	G	X	X	X	X	X	X	3	6 VOAs/SAMPLE
MW-82D_030619	3/6/19	1030		X						X					N	G	X	X	X	X	X	X	3	
MW-85R_030619	3/6/19	1615		X						X					N	G	X	X	X	X	X	X	3	
MW-101S_030619	3/6/19	1410		X						X					N	G	X	X	X	X	X	X	3	
MW-98S_030619	3/6/19	1240		X						X					N	G	X	X	X	X	X	X	3	
MW-97S_030619	3/6/19	1005		X						X					N	G	X	X	X	X	X	X	3	RUN MS/MSD FOR MW-97S_030619
TRIP BLANK				X													X	X	X	X	X	X		

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

Sample Disposal (A fee may be assessed if sam: ☐ Return to Client ☑ Disposal By Lab

Special Instructions/QC Requirements & Comments:

Submit all results through Cadena at jim.tomalia@cadena.com, Cadena #E203631
Level IV Reporting.

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
RACHEL BIELAK	ARCADIS	3/7/19 1430	NOVI COLD STORAGE	ARCADIS	3/7/19 1430
Caitlin O'Neill	ARCADIS	3/13/19 13:20		TESTAMERICA	3/8/19 1320
	TESTAMERICA	3/8/19 14:40	Received in Laboratory by:		3/11/19 850

240-109195 Chain of Custody

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 109195
Canton Facility

Client Accelis Site Name _____ Cooler unpacked by: JR
Cooler Received on 3/11/19 Opened on 3/11/19
FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # 1 Foam Box Client Cooler Box Other _____
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
IR GUN# IR-8 (CF **-0.2** °C) Observed Cooler Temp. 4.0 °C Corrected Cooler Temp. 3.8 °C
IR GUN #36 (CF **+0.7**°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels be reconciled with the COC?	Yes	No
9. Were correct bottle(s) used for the test(s) indicated?	Yes	No
10. Sufficient quantity received to perform indicated analyses?	Yes	No
11. Are these work share samples?	Yes	No
If yes, Questions 12-16 have been checked at the originating laboratory.		
12. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# **HC861525**
13. Were VOAs on the COC?	Yes	No
14. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
15. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 82880J	Yes	No
16. Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

17. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by: JR

18. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

19. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

WI-NC-099