

504.1

EDB, DBCP and 1,2,3-TCP (GC) by
Method 504.1

GC SEMI VOA TRIPLICATE SUMMARY

Lab Name: TestAmerica BurlingtonJob No.: 200-24551-1SDG No.: A8091390 (200-24551)Matrix: Water Level: LowLab File ID: 9955_14.DLab ID: 200-24551-10 TRLClient ID: PW-52 TRL

COMPOUND	SAMPLE CONC. (ug/L)	DUPLICATE CONC. (ug/L)	TRIPLICATE CONC. (ug/L)	%RSD	%RSD LIMIT	#
1,2-Dibromoethane	0.010 U	0.0099 U	0.010 U	NC		
1,2,3-Trichloropropane	0.020 U	0.020 U	0.020 U	NC		
1,2-Dibromo-3-Chloropropane	0.010 U	0.0099 U	0.010 U	NC		

Column to be used to flag %RSD values

504.1

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Matrix: Water Level: Low
GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	BCP1 #	BCP2 #
TRIP BLANK	200-24551-1	92	96
PW-48	200-24551-8	91	92
PW-52	200-24551-10	92	97
PW-53	200-24551-11	92	95
DUP	200-24551-12	90	93
	MB 200-78530/3-A	90	94
	LCS 200-78530/5-A	89	91
	LLCS 200-78530/4-A	100	112
PW-52 MS	200-24551-10 MS	93	100
PW-52 DU	200-24551-10 DU	90	96
PW-52 TRL	200-24551-10 TRL	90	94

BCP = 1-Bromo-3-Chloropropane (Surr)

QC LIMITS
60-140

Column to be used to flag recovery values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Matrix: Water Level: Low Lab File ID: 9955_08.D
Lab ID: LCS 200-78530/5-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2-Dibromoethane	0.250	0.203	81	70-130	
1,2,3-Trichloropropane	0.250	0.231	92	70-130	
1,2-Dibromo-3-Chloropropane	0.250	0.229	92	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Matrix: Water Level: Low Lab File ID: 9955_07.D
Lab ID: LLCS 200-78530/4-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LLCS CONCENTRATION (ug/L)	LLCS % REC	QC LIMITS REC	#
1,2-Dibromoethane	0.0200	0.0208	104	60-140	
1,2,3-Trichloropropane	0.0200	0.0171 J	85	60-140	
1,2-Dibromo-3-Chloropropane	0.0200	0.0196	98	60-140	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Matrix: Water Level: Low Lab File ID: 9955_13.D
Lab ID: 200-24551-10 MS Client ID: PW-52 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,2-Dibromoethane	0.100	0.010 U	0.0926	93	65-135	
1,2,3-Trichloropropane	0.100	0.020 U	0.101	101	65-135	
1,2-Dibromo-3-Chloropropane	0.100	0.010 U	0.0967	97	65-135	

Column to be used to flag recovery and RPD values

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: MB 200-78530/3-A
Matrix: Water Date Extracted: 10/10/2014 11:34
Lab File ID: (1) 9955_06.D Lab File ID: (2) 9955_06.D
Date Analyzed: (1) 10/10/2014 16:45 Date Analyzed: (2) 10/10/2014 16:45
Instrument ID: (1) CH0911.i Instrument ID: (2) CH0911.i
GC Column: (1) RTX-CLP ID: 0.32 (mm) GC Column: (2) RTX-CLPII ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LLCS 200-78530/4-A	10/10/2014 17:14	10/10/2014 17:14
	LCS 200-78530/5-A	10/10/2014 17:44	10/10/2014 17:44
TRIP BLANK	200-24551-1	10/10/2014 18:14	10/10/2014 18:14
PW-48	200-24551-8	10/10/2014 18:44	10/10/2014 18:44
PW-52	200-24551-10	10/10/2014 19:14	10/10/2014 19:14
PW-52 DU	200-24551-10 DU	10/10/2014 19:43	10/10/2014 19:43
PW-52 MS	200-24551-10 MS	10/10/2014 20:13	10/10/2014 20:13
PW-52 TRL	200-24551-10 TRL	10/10/2014 20:43	10/10/2014 20:43
PW-53	200-24551-11	10/10/2014 21:42	10/10/2014 21:42
DUP	200-24551-12	10/10/2014 22:12	10/10/2014 22:12

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
 SDG No.: A8091390 (200-24551)
 Sample No.: CCVRT 200-78530/1-A Date Analyzed: 10/10/2014 15:45
 Instrument ID: CH0911.i GC Column: RTX-CLP ID: 0.32 (mm)
 Lab File ID (Standard): 9955_04.D Heated Purge: (Y/N) N
 Calibration ID: 28149

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				BCP		
				RT #		
CONTINUING CALIBRATION SURROGATE				6.71		
UPPER LIMIT				6.76		
LOWER LIMIT				6.66		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 200-78530/1-A		10/10/2014 15:45	9955_04.D	6.71		
ICV 200-78530/2-A		10/10/2014 16:15	9955_05.D	6.71		
MB 200-78530/3-A		10/10/2014 16:45	9955_06.D	6.71		
LLCS 200-78530/4-A		10/10/2014 17:14	9955_07.D	6.71		
LCS 200-78530/5-A		10/10/2014 17:44	9955_08.D	6.71		
200-24551-1	TRIP BLANK	10/10/2014 18:14	9955_09.D	6.71		
200-24551-8	PW-48	10/10/2014 18:44	9955_10.D	6.71		
200-24551-10	PW-52	10/10/2014 19:14	9955_11.D	6.71		
200-24551-10 DU	PW-52 DU	10/10/2014 19:43	9955_12.D	6.71		
200-24551-10 MS	PW-52 MS	10/10/2014 20:13	9955_13.D	6.71		
200-24551-10 TRL	PW-52 TRL	10/10/2014 20:43	9955_14.D	6.71		
CCV 200-78530/12-A		10/10/2014 21:13	9955_15.D	6.71		
200-24551-11	PW-53	10/10/2014 21:42	9955_16.D	6.71		
200-24551-12	DUP	10/10/2014 22:12	9955_17.D	6.71		
CCV 200-78530/16-A		10/10/2014 23:11	9955_19.D	6.71		

BCP = 1-Bromo-3-Chloropropane (Surr)

BCP RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
 SDG No.: A8091390 (200-24551)
 Sample No.: CCVRT 200-78530/1-A Date Analyzed: 10/10/2014 15:45
 Instrument ID: CH0911.i GC Column: RTX-CLPII ID: 0.32 (mm)
 Lab File ID (Standard): 9955_04.D Heated Purge: (Y/N) N
 Calibration ID: 28150

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				BCP		
				RT #		
CONTINUING CALIBRATION SURROGATE				6.31		
UPPER LIMIT				6.36		
LOWER LIMIT				6.26		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 200-78530/1-A		10/10/2014 15:45	9955_04.D	6.31		
ICV 200-78530/2-A		10/10/2014 16:15	9955_05.D	6.30		
MB 200-78530/3-A		10/10/2014 16:45	9955_06.D	6.31		
LLCS 200-78530/4-A		10/10/2014 17:14	9955_07.D	6.31		
LCS 200-78530/5-A		10/10/2014 17:44	9955_08.D	6.30		
200-24551-1	TRIP BLANK	10/10/2014 18:14	9955_09.D	6.31		
200-24551-8	PW-48	10/10/2014 18:44	9955_10.D	6.30		
200-24551-10	PW-52	10/10/2014 19:14	9955_11.D	6.31		
200-24551-10 DU	PW-52 DU	10/10/2014 19:43	9955_12.D	6.31		
200-24551-10 MS	PW-52 MS	10/10/2014 20:13	9955_13.D	6.31		
200-24551-10 TRL	PW-52 TRL	10/10/2014 20:43	9955_14.D	6.31		
CCV 200-78530/12-A		10/10/2014 21:13	9955_15.D	6.31		
200-24551-11	PW-53	10/10/2014 21:42	9955_16.D	6.31		
200-24551-12	DUP	10/10/2014 22:12	9955_17.D	6.31		
CCV 200-78530/16-A		10/10/2014 23:11	9955_19.D	6.31		

BCP = 1-Bromo-3-Chloropropane (Surr)

BCP RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-48 Lab Sample ID: 200-24551-8
Instrument ID (1): CH0911.i Instrument ID (2): CH0911.i
Date Analyzed (1): 10/10/2014 18:44 Date Analyzed (2): 10/10/2014 18:44
GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		%DIFF
				FROM	TO	PEAK	MEAN	
1,2,3-Trichloropropane	1		8.14	8.09	8.19	0.10		13.6
	2		7.87	7.82	7.92	0.089		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
 SDG No.: A8091390 (200-24551)
 Client Sample ID: PW-52 MS Lab Sample ID: 200-24551-10 MS
 Instrument ID (1): CH0911.i Instrument ID (2): CH0911.i
 Date Analyzed (1): 10/10/2014 20:13 Date Analyzed (2): 10/10/2014 20:13
 GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		%DIFF
				FROM	TO	PEAK	MEAN	
1,2-Dibromoethane	1		4.30	4.25	4.35	0.0974		5.2
	2		4.11	4.06	4.16	0.0926		
1,2,3-Trichloropropane	1		8.14	8.09	8.19	0.121		19.2
	2		7.87	7.82	7.92	0.101		
1,2-Dibromo-3-Chloropropane	1		11.32	11.27	11.37	0.0993		2.7
	2		11.42	11.37	11.47	0.0967		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
 SDG No.: A8091390 (200-24551)
 Client Sample ID: _____ Lab Sample ID: LLCS 200-78530/4-A
 Instrument ID (1): CH0911.i Instrument ID (2): CH0911.i
 Date Analyzed (1): 10/10/2014 17:14 Date Analyzed (2): 10/10/2014 17:14
 GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		%DIFF
				FROM	TO	PEAK	MEAN	
1,2-Dibromoethane	1		4.30	4.25	4.35	0.0208		6.0
	2		4.11	4.06	4.16	0.0220		
1,2,3-Trichloropropane	1		8.14	8.09	8.19	0.0224		31.2
	2		7.87	7.82	7.92	0.0171		
1,2-Dibromo-3-Chloropropane	1		11.32	11.27	11.37	0.0196		4.0
	2		11.42	11.37	11.47	0.0204		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
 SDG No.: A8091390 (200-24551)
 Client Sample ID: _____ Lab Sample ID: LCS 200-78530/5-A
 Instrument ID (1): CH0911.i Instrument ID (2): CH0911.i
 Date Analyzed (1): 10/10/2014 17:44 Date Analyzed (2): 10/10/2014 17:44
 GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		%DIFF
				FROM	TO	PEAK	MEAN	
1,2-Dibromoethane	1		4.30	4.25	4.35	0.227		11.4
	2		4.11	4.06	4.16	0.203		
1,2,3-Trichloropropane	1		8.14	8.09	8.19	0.231		1.0
	2		7.87	7.82	7.92	0.234		
1,2-Dibromo-3-Chloropropane	1		11.32	11.27	11.37	0.240		4.4
	2		11.42	11.37	11.47	0.229		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-24551-1</u>
SDG No.: <u>A8091390 (200-24551)</u>	
Client Sample ID: <u>TRIP BLANK</u>	Lab Sample ID: <u>200-24551-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>9955_09.D</u>
Analysis Method: <u>504.1</u>	Date Collected: <u>10/01/2014 00:00</u>
Extraction Method: <u>504.1</u>	Date Extracted: <u>10/10/2014 11:34</u>
Sample wt/vol: <u>33.9(mL)</u>	Date Analyzed: <u>10/10/2014 18:14</u>
Con. Extract Vol.: <u>2(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1.5(uL)</u>	GC Column: <u>RTX-CLP</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>78532</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.0017
96-18-4	1,2,3-Trichloropropane	0.021	U	0.021	0.0029
96-12-8	1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.0027

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	92		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_09.D
Lims ID: 200-24551-D-1-A Lab Sample ID: 200-24551-1
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 10-Oct-2014 18:14:28 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Sample Info: 200-0009955-009
Operator ID: RRM Instrument ID: CH0911.i
Method: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
Limit Group: GC_504.1 Limits
Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:42:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
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\$ 2 1-Bromo-3-Chloropropane (Surr) M

1	6.709	6.710	-0.001	1036170	3.21	
2	6.306	6.307	-0.001	4400311	3.36	M

RPD = 4.67

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Oct-2014 12:54:56

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_09.D

Injection Date: 10-Oct-2014 18:14:28

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-1-A

Lab Sample ID: 200-24551-1

Worklist Smp#: 9

Client ID: TRIP BLANK

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

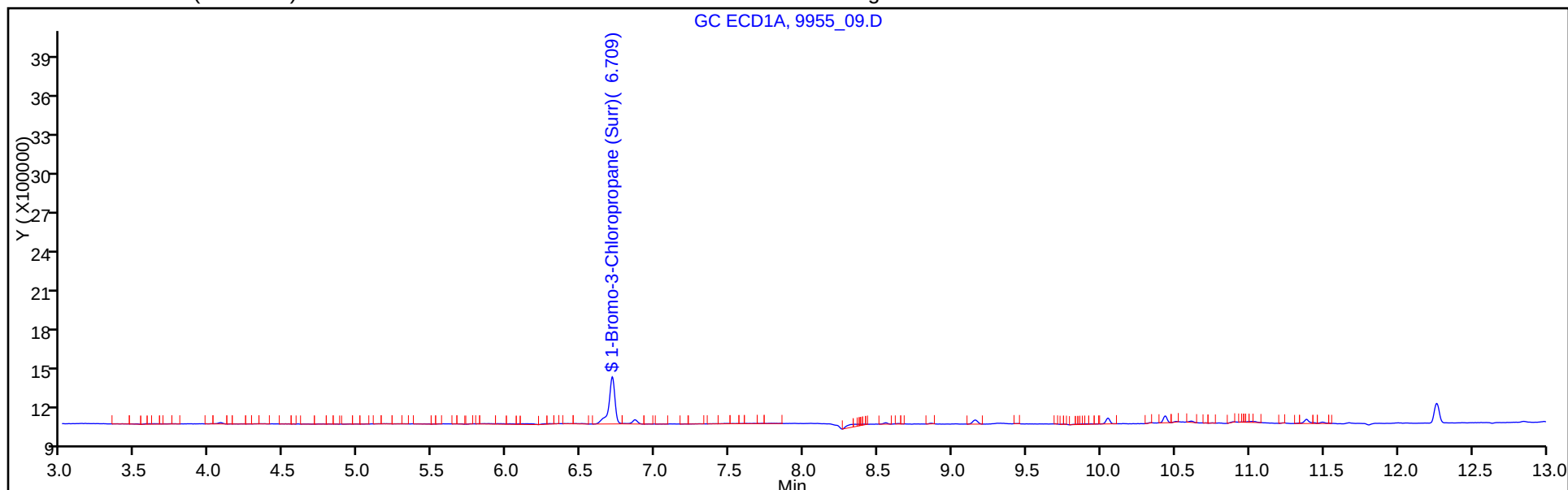
ALS Bottle#: 9

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

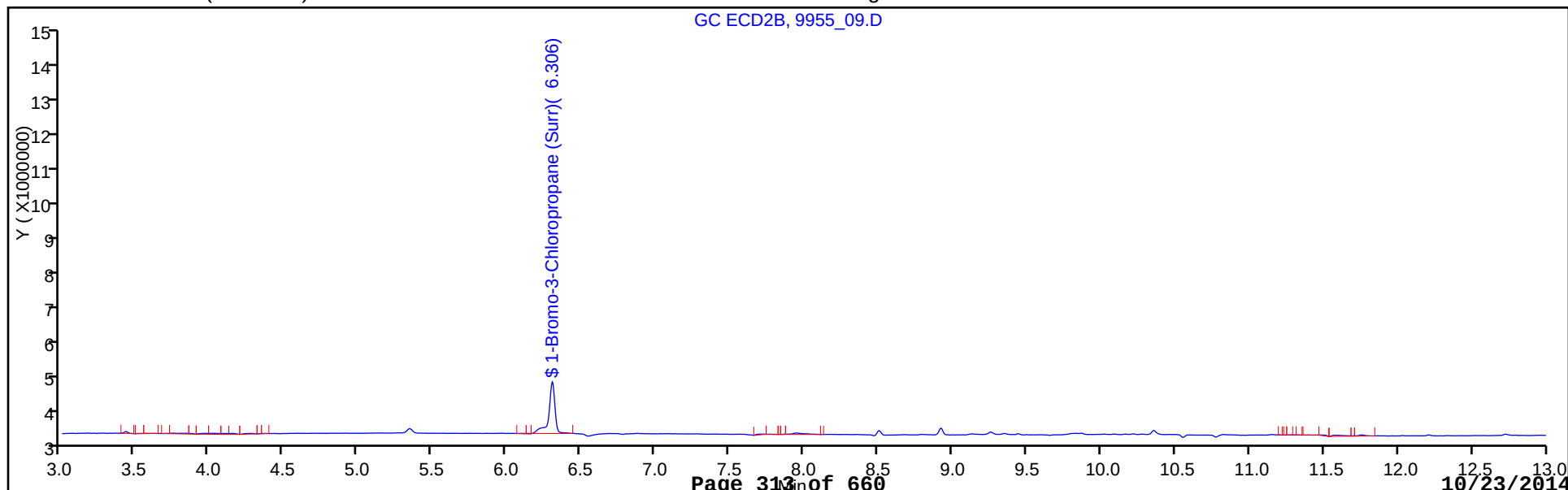
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-24551-1</u>
SDG No.: <u>A8091390 (200-24551)</u>	
Client Sample ID: <u>TRIP BLANK</u>	Lab Sample ID: <u>200-24551-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>9955_09.D</u>
Analysis Method: <u>504.1</u>	Date Collected: <u>10/01/2014 00:00</u>
Extraction Method: <u>504.1</u>	Date Extracted: <u>10/10/2014 11:34</u>
Sample wt/vol: <u>33.9(mL)</u>	Date Analyzed: <u>10/10/2014 18:14</u>
Con. Extract Vol.: <u>2(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1.5(uL)</u>	GC Column: <u>RTX-CLPII</u> ID: <u>0.32 (mm)</u>
% Moisture: <u></u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>78532</u>	Units: <u>ug/L</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	96		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_09.D
Lims ID: 200-24551-D-1-A Lab Sample ID: 200-24551-1
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 10-Oct-2014 18:14:28 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Sample Info: 200-0009955-009
Operator ID: RRM Instrument ID: CH0911.i
Method: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
Limit Group: GC_504.1 Limits
Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:42:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
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\$ 2 1-Bromo-3-Chloropropane (Surr) M

1	6.709	6.710	-0.001	1036170	3.21	
2	6.306	6.307	-0.001	4400311	3.36	M

RPD = 4.67

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Oct-2014 12:54:56

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_09.D

Injection Date: 10-Oct-2014 18:14:28

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-1-A

Lab Sample ID: 200-24551-1

Worklist Smp#: 9

Client ID: TRIP BLANK

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

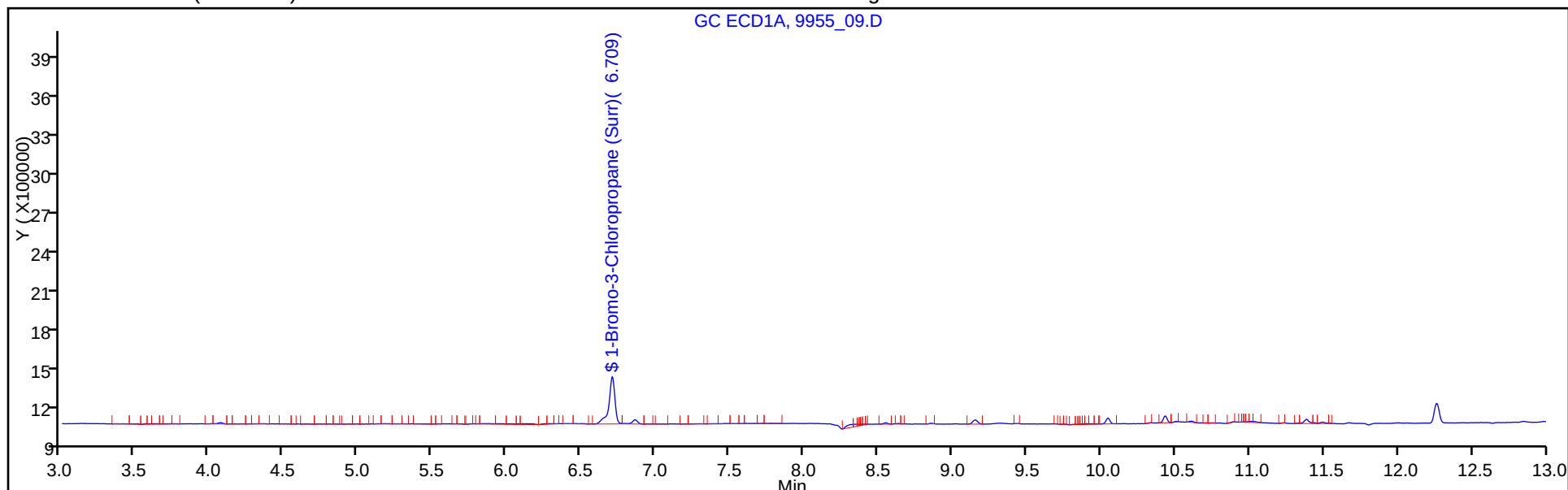
ALS Bottle#: 9

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

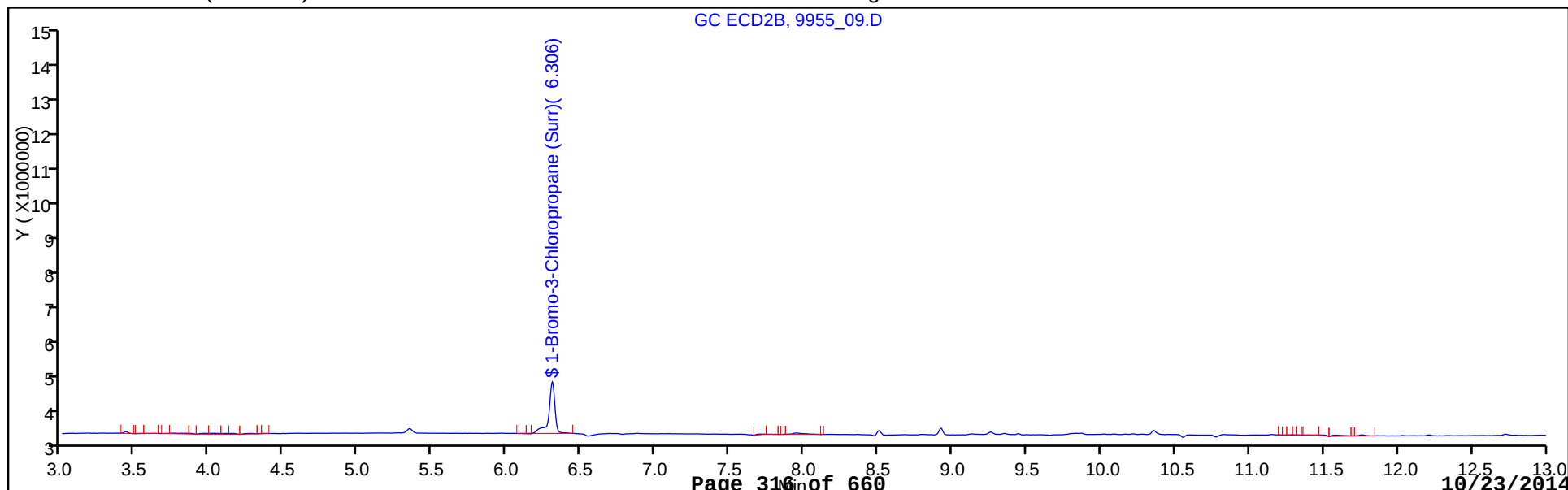
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



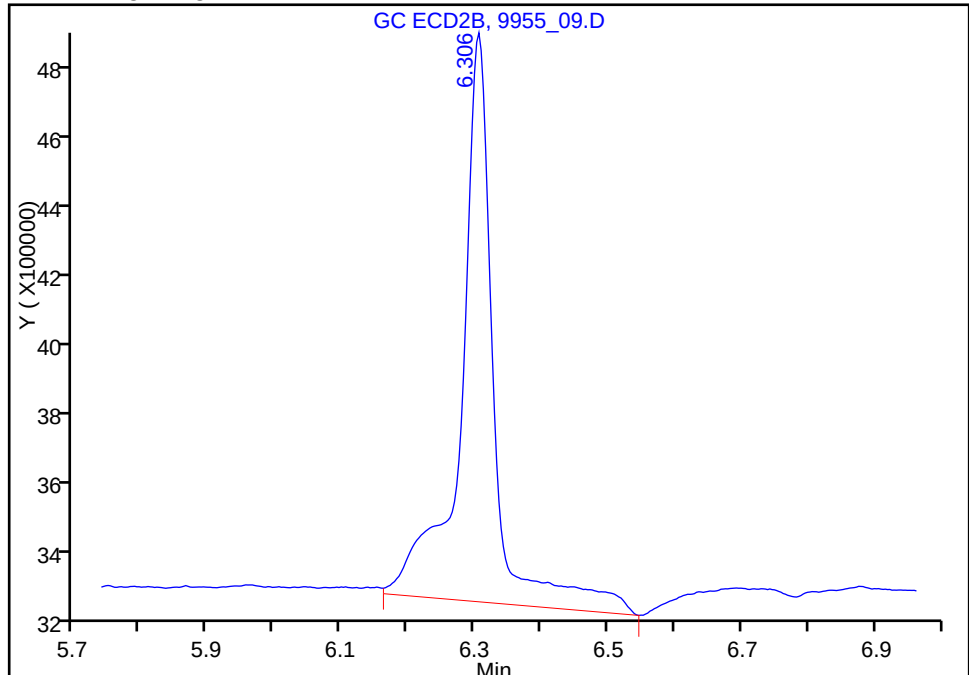
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_09.D		
Injection Date:	10-Oct-2014 18:14:28	Instrument ID:	CH0911.i
Lims ID:	200-24551-D-1-A	Lab Sample ID:	200-24551-1
Client ID:	TRIP BLANK		
Operator ID:	RRM	ALS Bottle#:	9 Worklist Smp#: 9
Injection Vol:	1.5 ul	Dil. Factor:	1.0000
Method:	504.1_CH0911.i	Limit Group:	GC_504.1 Limits
Column:	RTX-CLPII (0.32 mm)	Detector:	GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

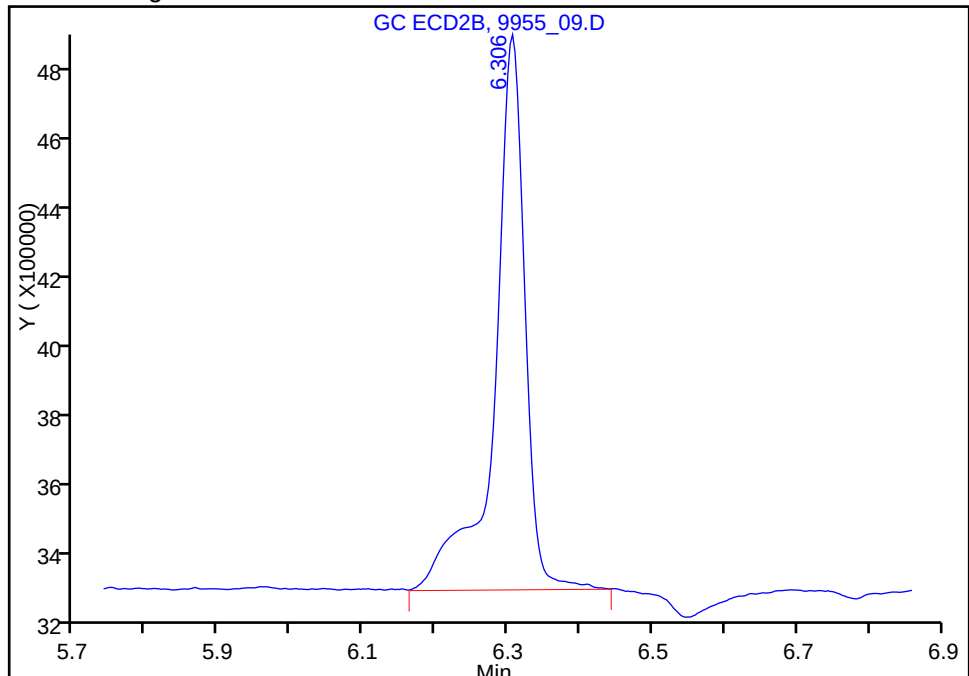
Processing Integration Results

RT: 6.31
Response: 5296254
Amount: 4.043626



Manual Integration Results

RT: 6.31
Response: 4400311
Amount: 3.359584



Reviewer: malaspinar, 11-Oct-2014 08:42:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-24551-1</u>
SDG No.: <u>A8091390 (200-24551)</u>	
Client Sample ID: <u>PW-48</u>	Lab Sample ID: <u>200-24551-8</u>
Matrix: <u>Water</u>	Lab File ID: <u>9955_10.D</u>
Analysis Method: <u>504.1</u>	Date Collected: <u>10/01/2014 14:02</u>
Extraction Method: <u>504.1</u>	Date Extracted: <u>10/10/2014 11:34</u>
Sample wt/vol: <u>34.8 (mL)</u>	Date Analyzed: <u>10/10/2014 18:44</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1.5 (uL)</u>	GC Column: <u>RTX-CLP</u> ID: <u>0.32 (mm)</u>
% Moisture: <u></u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>78532</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.0016
96-12-8	1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.0026

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	91		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_10.D
 Lims ID: 200-24551-A-8-A Lab Sample ID: 200-24551-8
 Client ID: PW-48
 Sample Type: Client
 Inject. Date: 10-Oct-2014 18:44:19 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-010
 Operator ID: RRM Instrument ID: CH0911.i
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:44:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
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\$ 2 1-Bromo-3-Chloropropane (Surr) M

1	6.710	6.710	0.000	1026944	3.18	M
2	6.303	6.307	-0.004	4237375	3.24	M

RPD = 1.79

1 1,2,3-Trichloropropane M

1	8.143	8.144	-0.001	279804	1.76	M
2	7.870	7.871	-0.001	1011613	1.55	

RPD = 12.69

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_10.D

Injection Date: 10-Oct-2014 18:44:19

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-A-8-A

Lab Sample ID: 200-24551-8

Worklist Smp#: 10

Client ID: PW-48

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

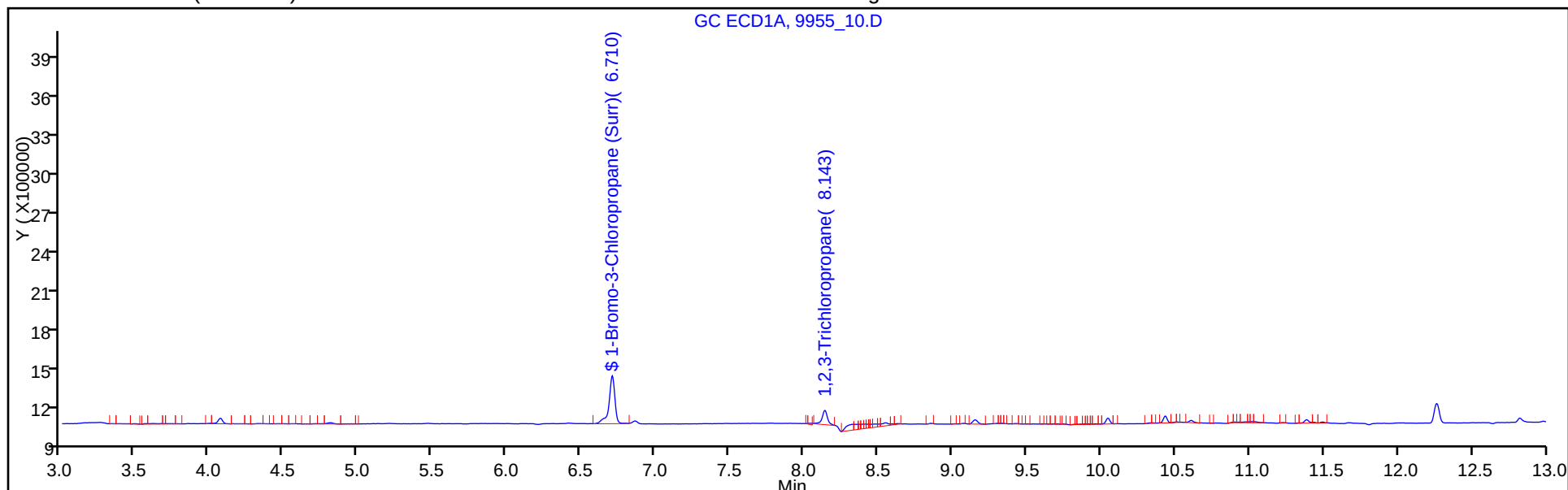
ALS Bottle#: 10

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

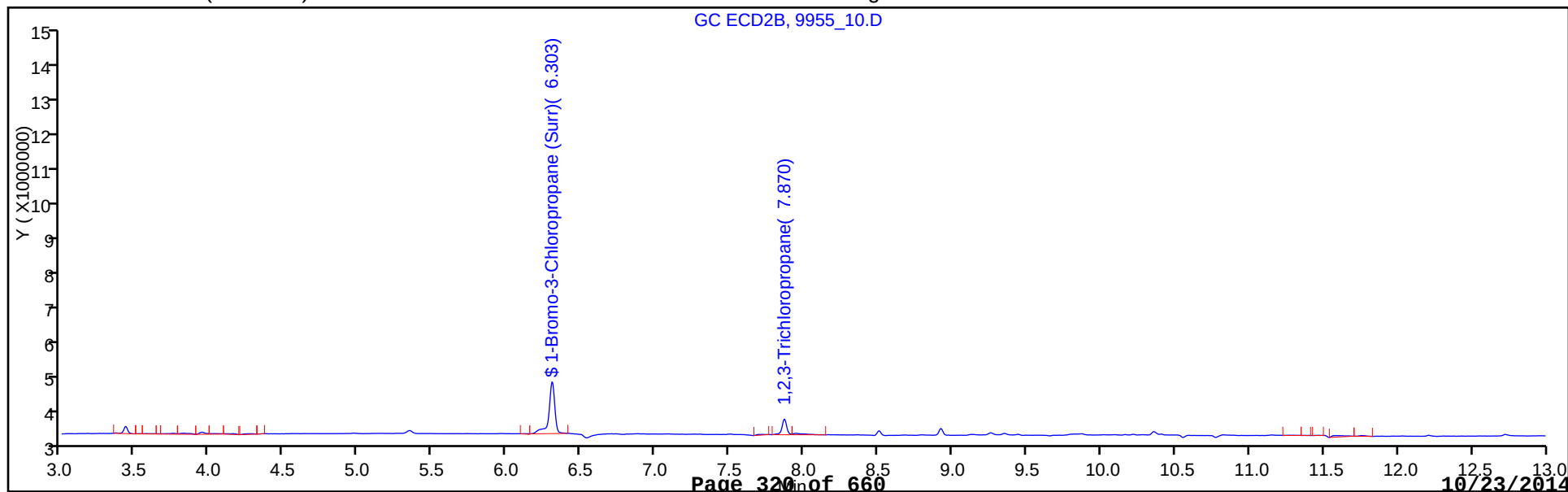
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



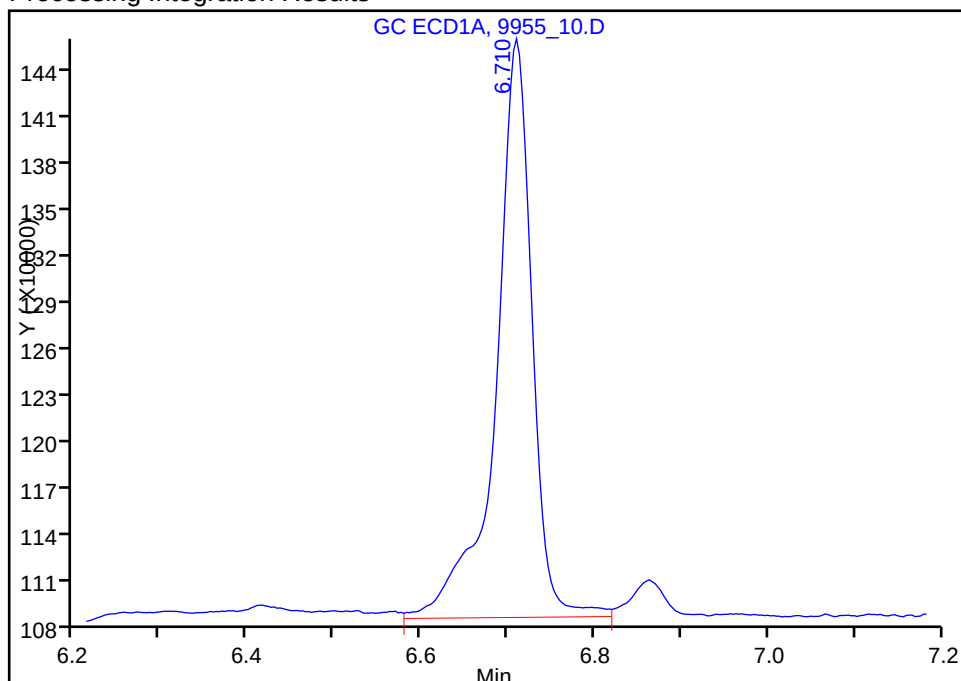
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_10.D		
Injection Date:	10-Oct-2014 18:44:19	Instrument ID:	CH0911.i
Lims ID:	200-24551-A-8-A	Lab Sample ID:	200-24551-8
Client ID:	PW-48		
Operator ID:	RRM	ALS Bottle#:	10
Injection Vol:	1.5 ul	Dil. Factor:	1.0000
Method:	504.1_CH0911.i	Limit Group:	GC_504.1 Limits
Column:	RTX-CLP (0.32 mm)	Detector:	GC ECD1A
		Worklist Smp#:	10

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

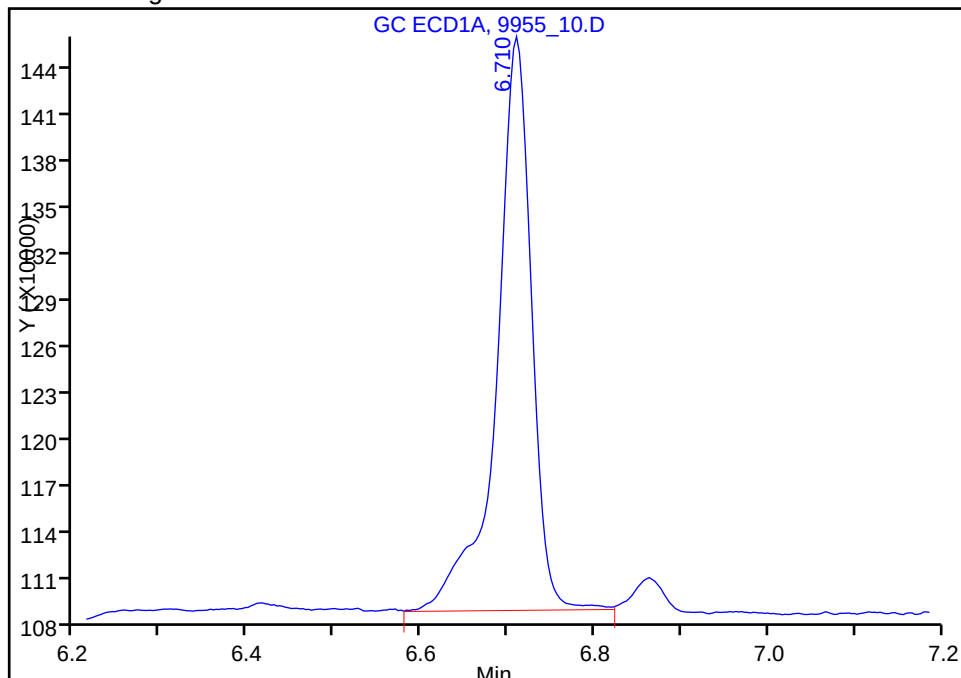
Processing Integration Results

RT: 6.71
Response: 1071131
Amount: 3.314549



Manual Integration Results

RT: 6.71
Response: 1026944
Amount: 3.177815



Reviewer: malaspinar, 11-Oct-2014 08:44:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

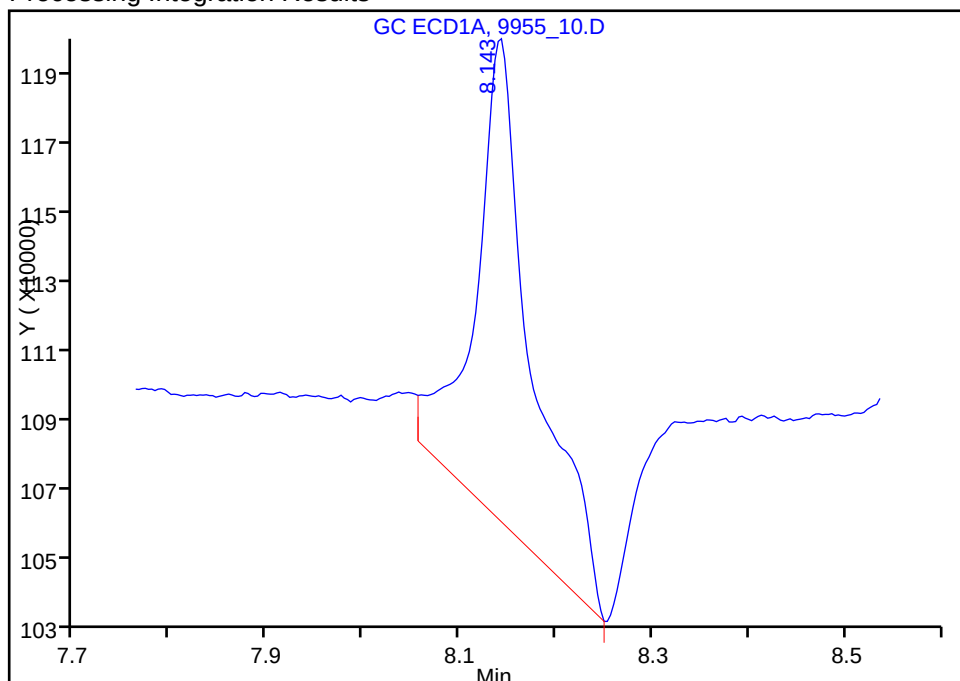
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_10.D		
Injection Date:	10-Oct-2014 18:44:19	Instrument ID:	CH0911.i
Lims ID:	200-24551-A-8-A	Lab Sample ID:	200-24551-8
Client ID:	PW-48		
Operator ID:	RRM	ALS Bottle#:	10
Injection Vol:	1.5 ul	Dil. Factor:	1.0000
Method:	504.1_CH0911.i	Limit Group:	GC_504.1 Limits
Column:	RTX-CLP (0.32 mm)	Detector:	GC ECD1A
		Worklist Smp#:	10

1 1,2,3-Trichloropropane, CAS: 96-18-4

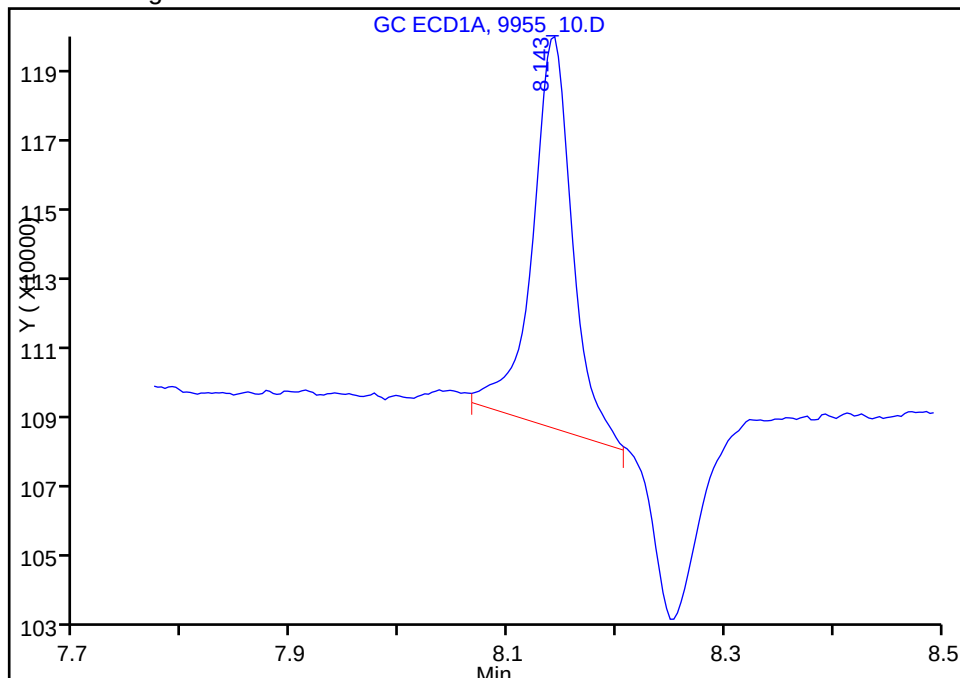
RT: 8.14
Response: 554978
Amount: 3.481451

Processing Integration Results



RT: 8.14
Response: 279804
Amount: 1.755248

Manual Integration Results



Reviewer: malaspinar, 11-Oct-2014 08:44:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-48 Lab Sample ID: 200-24551-8
Matrix: Water Lab File ID: 9955_10.D
Analysis Method: 504.1 Date Collected: 10/01/2014 14:02
Extraction Method: 504.1 Date Extracted: 10/10/2014 11:34
Sample wt/vol: 34.8 (mL) Date Analyzed: 10/10/2014 18:44
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1.5 (uL) GC Column: RTX-CLPII ID: 0.32 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78532 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
96-18-4	1,2,3-Trichloropropane	0.089		0.020	0.0028

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	92		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_10.D
 Lims ID: 200-24551-A-8-A Lab Sample ID: 200-24551-8
 Client ID: PW-48
 Sample Type: Client
 Inject. Date: 10-Oct-2014 18:44:19 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-010
 Operator ID: RRM Instrument ID: CH0911.i
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:44:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
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\$ 2 1-Bromo-3-Chloropropane (Surr) M

1	6.710	6.710	0.000	1026944	3.18	M
2	6.303	6.307	-0.004	4237375	3.24	M

RPD = 1.79

1 1,2,3-Trichloropropane M

1	8.143	8.144	-0.001	279804	1.76	M
2	7.870	7.871	-0.001	1011613	1.55	

RPD = 12.69

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_10.D

Injection Date: 10-Oct-2014 18:44:19

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-A-8-A

Lab Sample ID: 200-24551-8

Worklist Smp#: 10

Client ID: PW-48

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

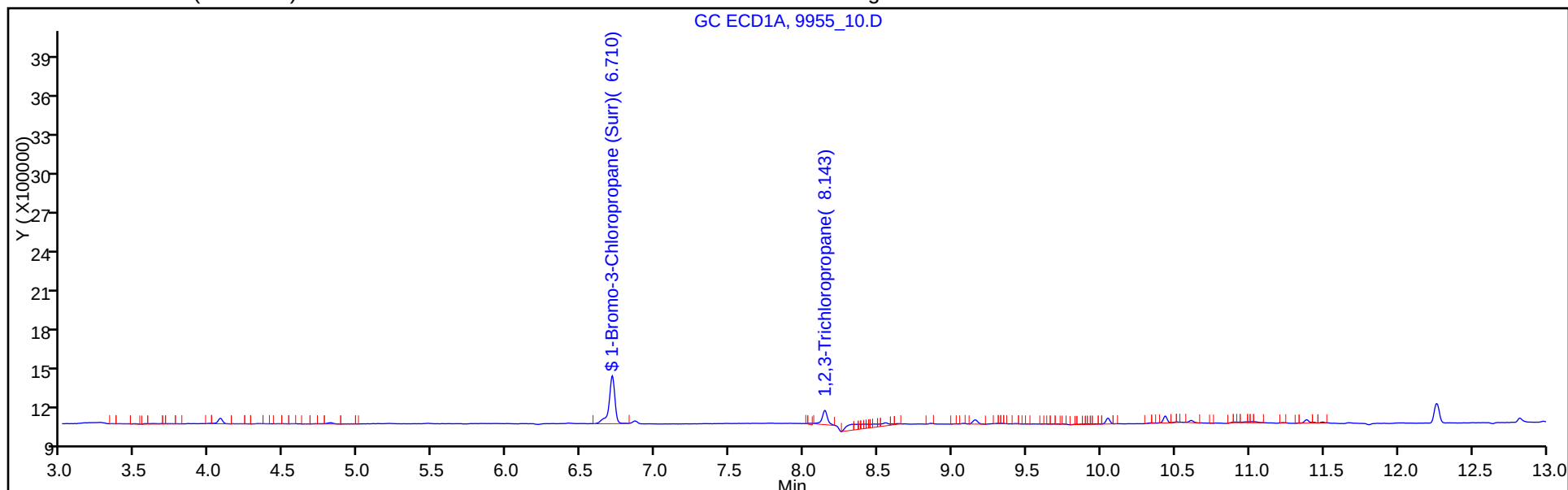
ALS Bottle#: 10

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

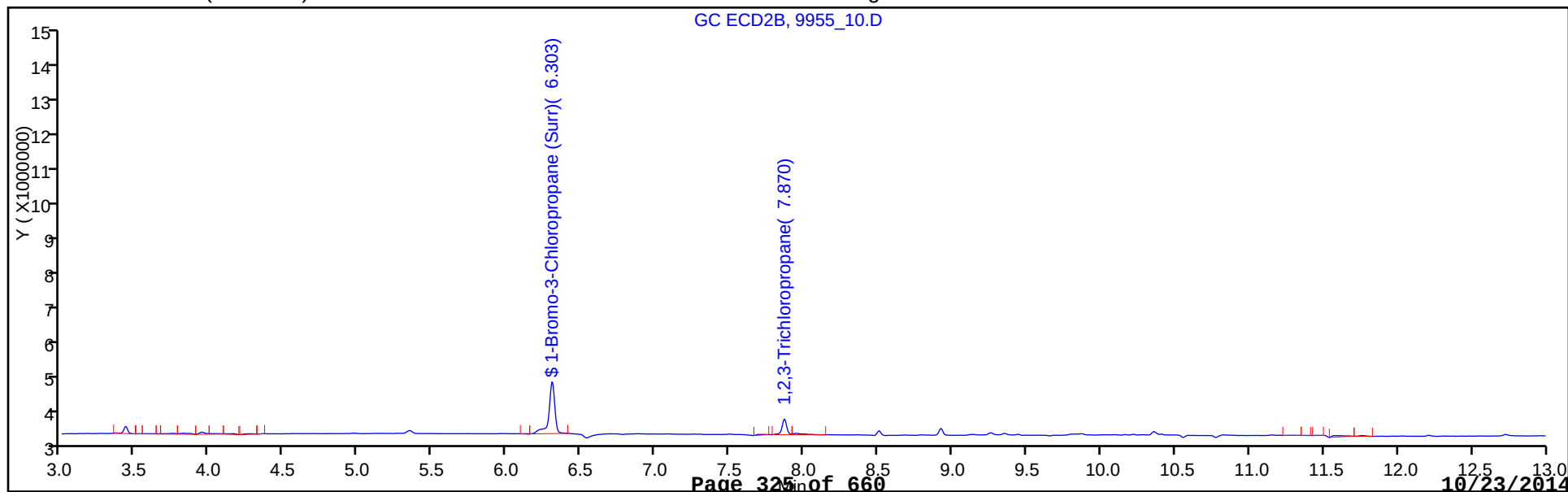
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



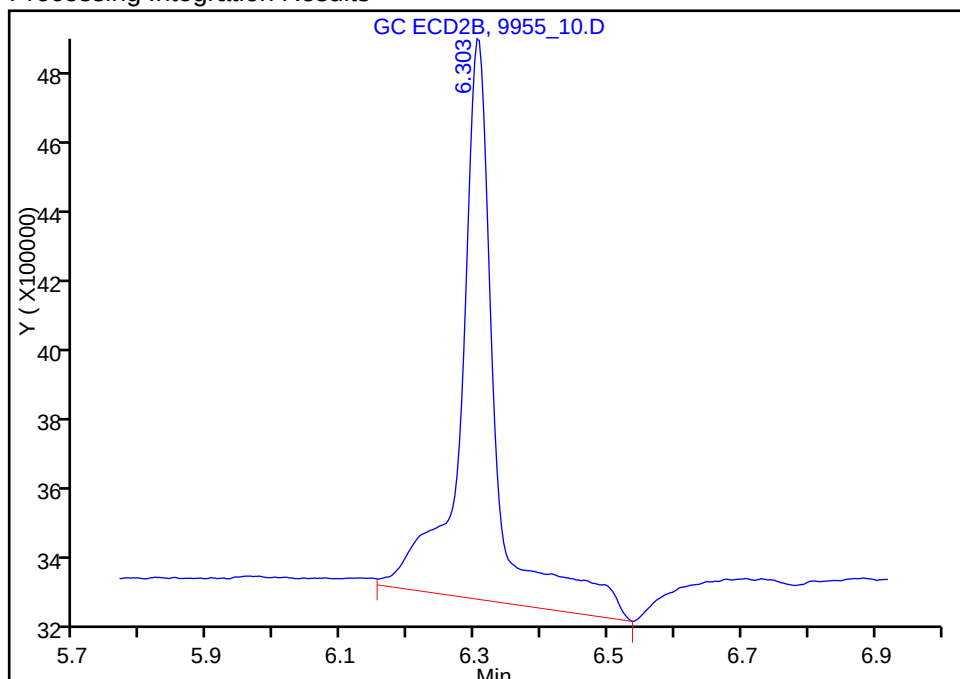
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_10.D		
Injection Date:	10-Oct-2014 18:44:19	Instrument ID:	CH0911.i
Lims ID:	200-24551-A-8-A	Lab Sample ID:	200-24551-8
Client ID:	PW-48		
Operator ID:	RRM	ALS Bottle#:	10
Injection Vol:	1.5 ul	Dil. Factor:	1.0000
Method:	504.1_CH0911.i	Limit Group:	GC_504.1 Limits
Column:	RTX-CLPII (0.32 mm)	Detector:	GC ECD2B
		Worklist Smp#:	10

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

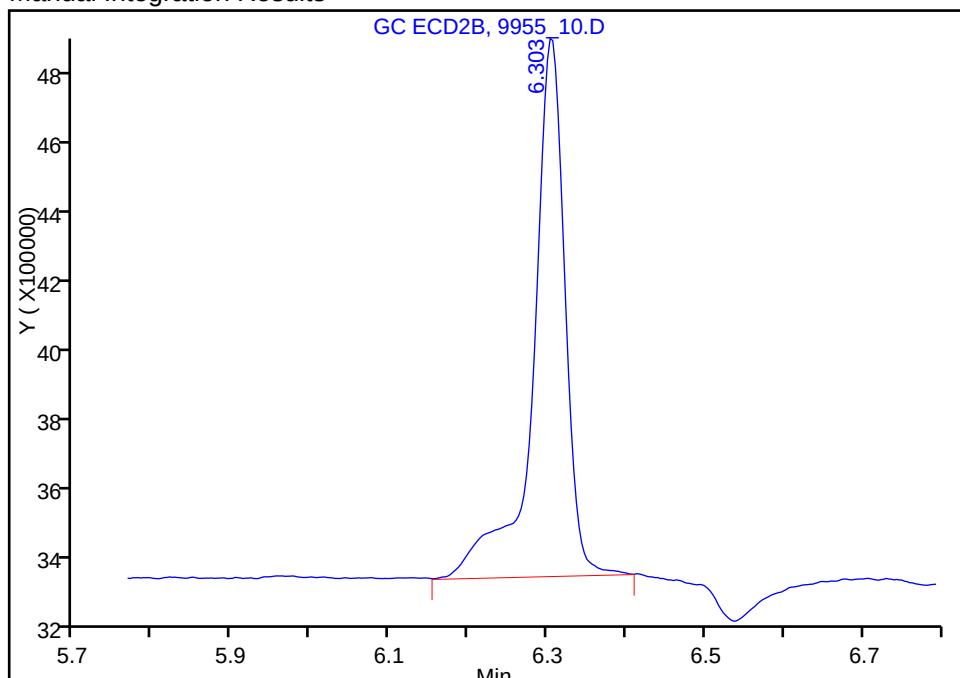
Processing Integration Results

RT: 6.30
Response: 5676422
Amount: 4.333879



Manual Integration Results

RT: 6.30
Response: 4237375
Amount: 3.235184



Reviewer: malaspinar, 11-Oct-2014 08:44:00
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-24551-1</u>
SDG No.: <u>A8091390 (200-24551)</u>	
Client Sample ID: <u>PW-52</u>	Lab Sample ID: <u>200-24551-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>9955_11.D</u>
Analysis Method: <u>504.1</u>	Date Collected: <u>10/01/2014 09:54</u>
Extraction Method: <u>504.1</u>	Date Extracted: <u>10/10/2014 11:34</u>
Sample wt/vol: <u>34.8 (mL)</u>	Date Analyzed: <u>10/10/2014 19:14</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1.5 (uL)</u>	GC Column: <u>RTX-CLP</u> ID: <u>0.32 (mm)</u>
% Moisture: <u></u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>78532</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.0016
96-18-4	1,2,3-Trichloropropane	0.020	U	0.020	0.0028
96-12-8	1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.0026

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	92		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_11.D
Lims ID: 200-24551-D-10-A Lab Sample ID: 200-24551-10
Client ID: PW-52
Sample Type: Client
Inject. Date: 10-Oct-2014 19:14:15 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Sample Info: 200-0009955-011
Operator ID: RRM Instrument ID: CH0911.i
Method: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
Limit Group: GC_504.1 Limits
Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:44:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
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\$ 2 1-Bromo-3-Chloropropane (Surr) M
1 6.711 6.710 0.001 1045242 3.23 M
2 6.308 6.307 0.001 4440119 3.39 M

RPD = 4.70

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Oct-2014 12:54:57

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_11.D

Injection Date: 10-Oct-2014 19:14:15

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-10-A

Lab Sample ID: 200-24551-10

Worklist Smp#: 11

Client ID: PW-52

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

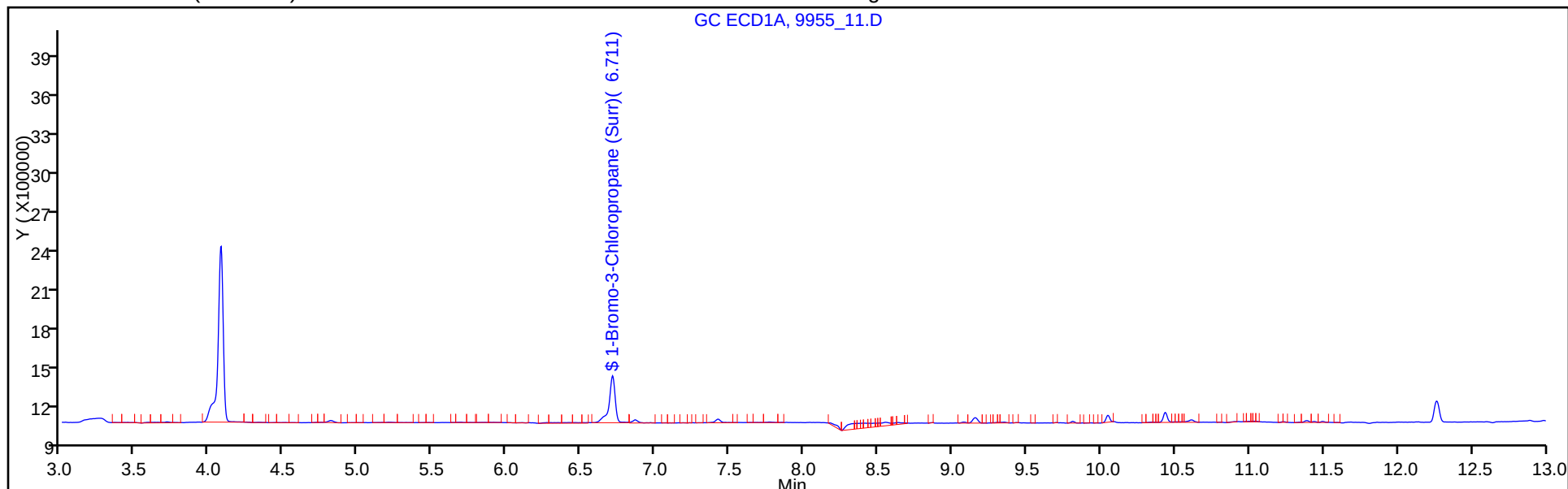
ALS Bottle#: 11

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

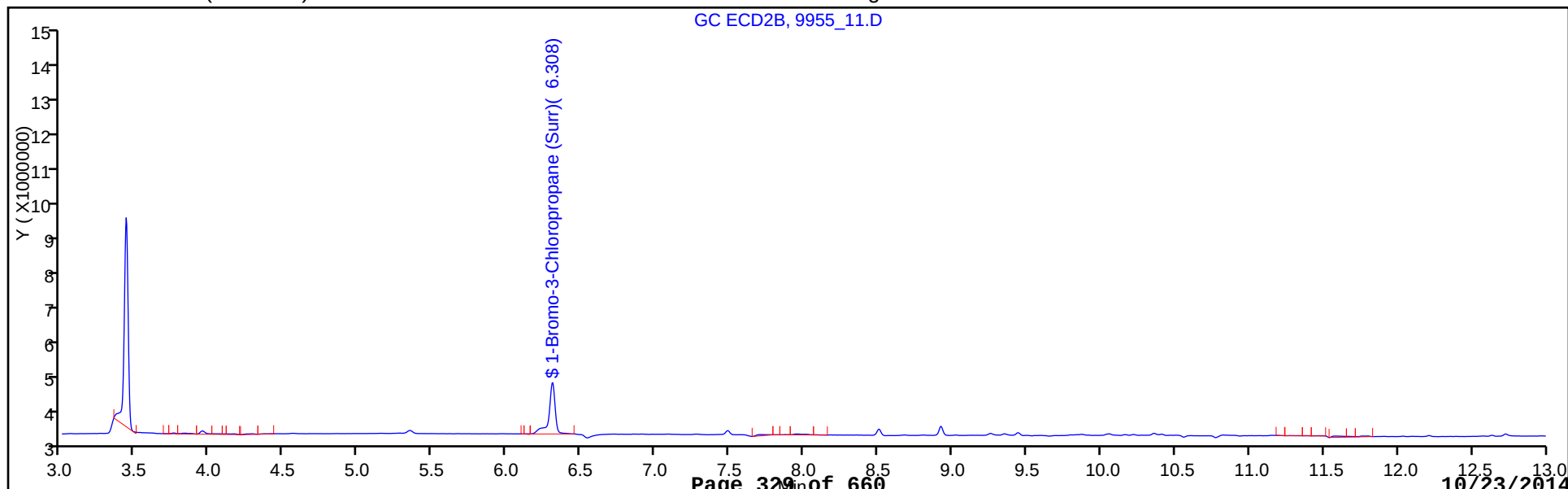
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Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



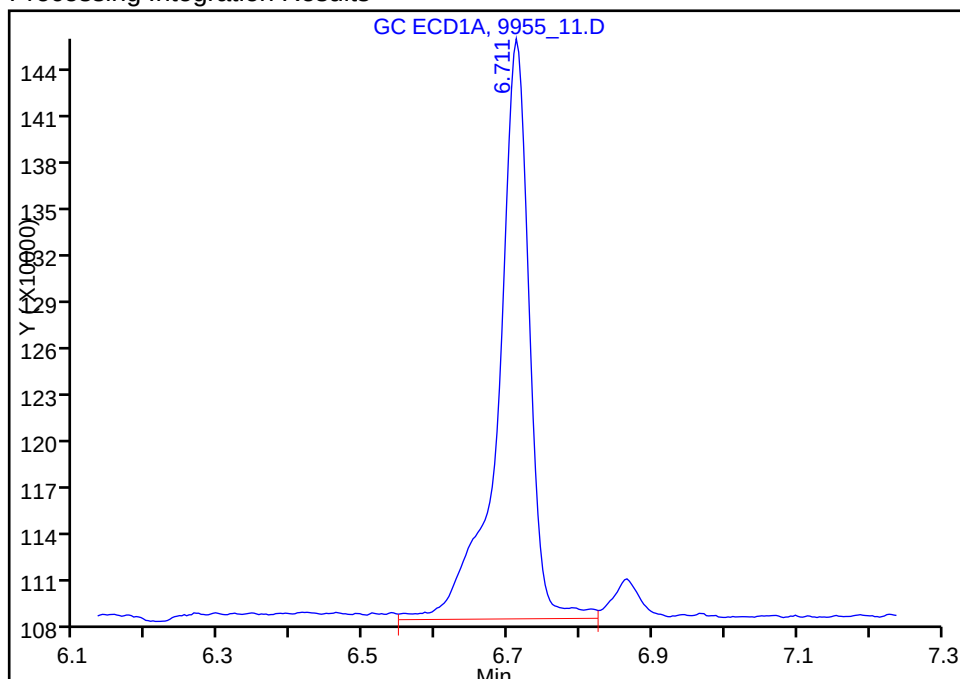
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_11.D		
Injection Date:	10-Oct-2014 19:14:15	Instrument ID:	CH0911.i
Lims ID:	200-24551-D-10-A	Lab Sample ID:	200-24551-10
Client ID:	PW-52		
Operator ID:	RRM	ALS Bottle#:	11
Injection Vol:	1.5 ul	Dil. Factor:	1.0000
Method:	504.1_CH0911.i	Limit Group:	GC_504.1 Limits
Column:	RTX-CLP (0.32 mm)	Detector:	GC ECD1A
		Worklist Smp#:	11

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

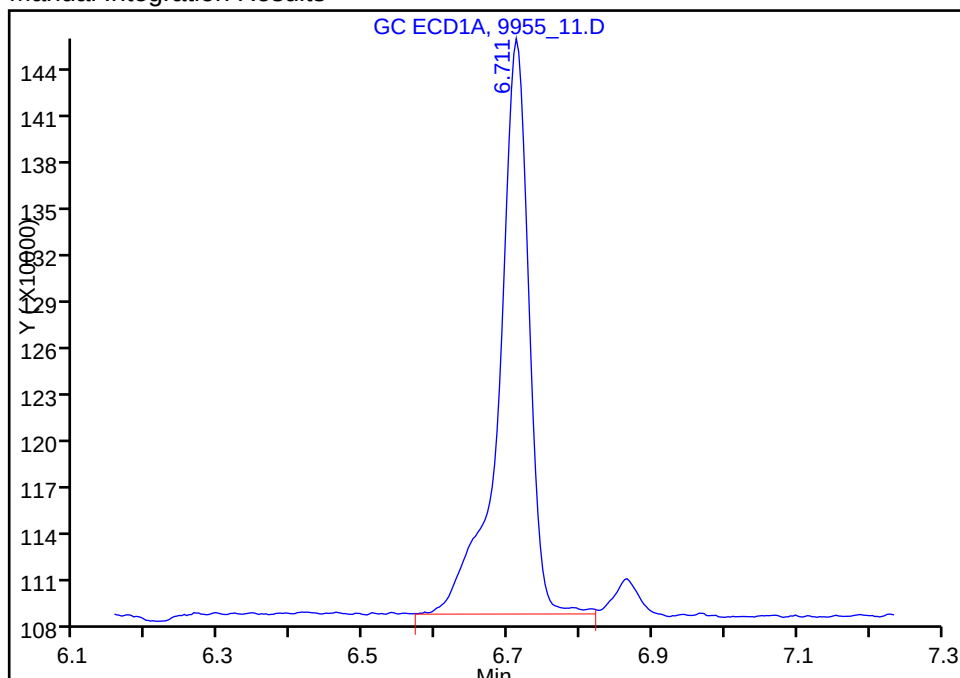
Processing Integration Results

RT: 6.71
Response: 1095609
Amount: 3.390295



Manual Integration Results

RT: 6.71
Response: 1045242
Amount: 3.234438



Reviewer: malaspinar, 13-Oct-2014 12:27:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-24551-1</u>
SDG No.: <u>A8091390 (200-24551)</u>	
Client Sample ID: <u>PW-52</u>	Lab Sample ID: <u>200-24551-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>9955_11.D</u>
Analysis Method: <u>504.1</u>	Date Collected: <u>10/01/2014 09:54</u>
Extraction Method: <u>504.1</u>	Date Extracted: <u>10/10/2014 11:34</u>
Sample wt/vol: <u>34.8 (mL)</u>	Date Analyzed: <u>10/10/2014 19:14</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1.5 (uL)</u>	GC Column: <u>RTX-CLPII</u> ID: <u>0.32 (mm)</u>
% Moisture: <u></u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>78532</u>	Units: <u>ug/L</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	97		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_11.D
Lims ID: 200-24551-D-10-A Lab Sample ID: 200-24551-10
Client ID: PW-52
Sample Type: Client
Inject. Date: 10-Oct-2014 19:14:15 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Sample Info: 200-0009955-011
Operator ID: RRM Instrument ID: CH0911.i
Method: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
Limit Group: GC_504.1 Limits
Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:44:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
-----	--------------	------------------	------------------	----------	-------------------	-------

\$ 2 1-Bromo-3-Chloropropane (Surr) M
1 6.711 6.710 0.001 1045242 3.23 M
2 6.308 6.307 0.001 4440119 3.39 M

RPD = 4.70

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Oct-2014 12:54:57

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_11.D

Injection Date: 10-Oct-2014 19:14:15

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-10-A

Lab Sample ID: 200-24551-10

Worklist Smp#: 11

Client ID: PW-52

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

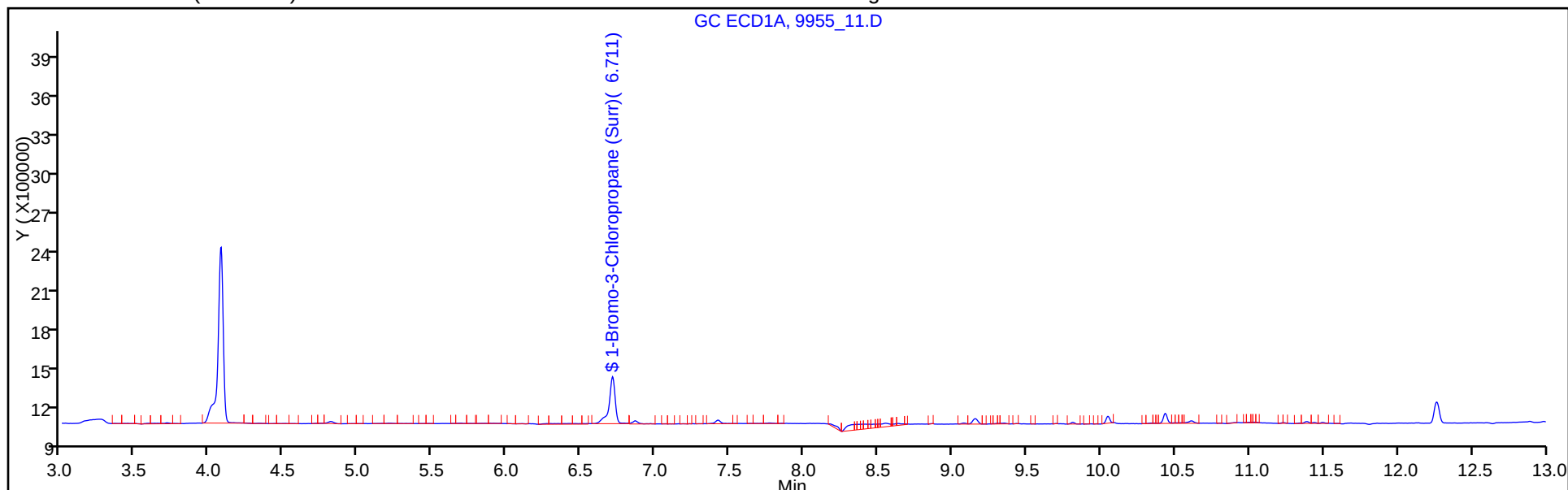
ALS Bottle#: 11

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

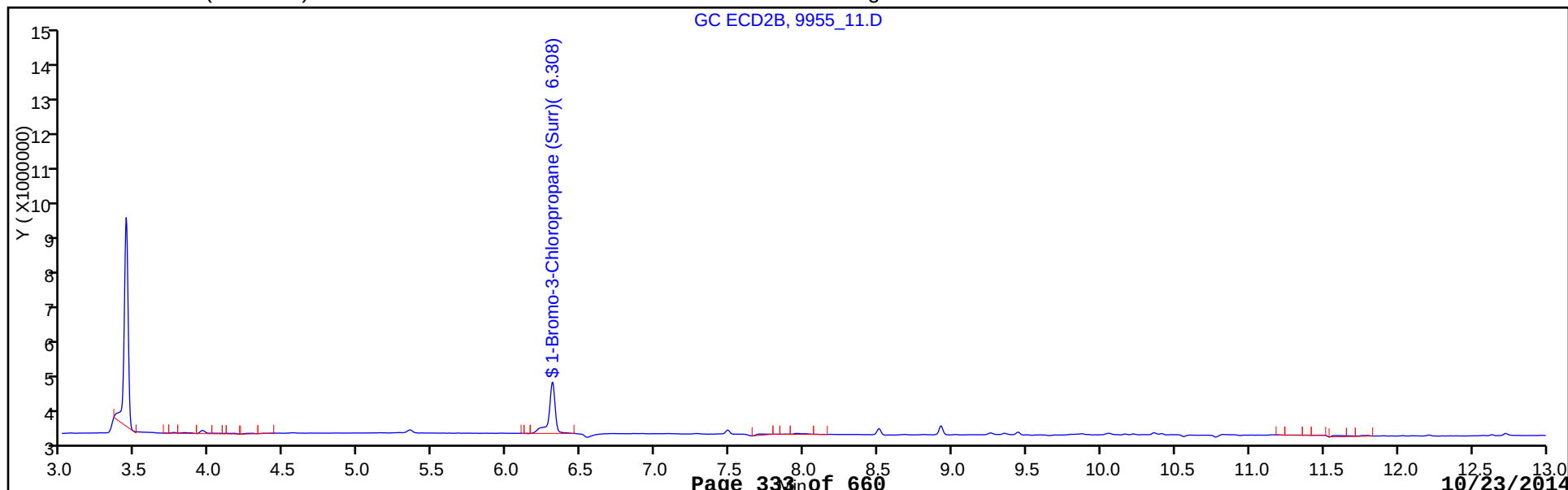
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



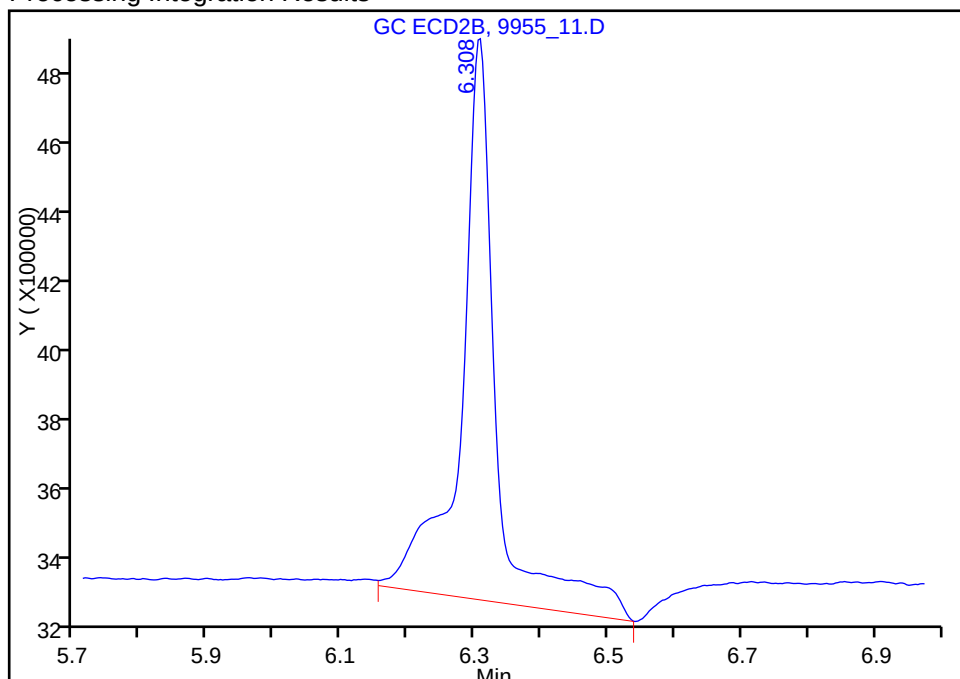
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_11.D		
Injection Date:	10-Oct-2014 19:14:15	Instrument ID:	CH0911.i
Lims ID:	200-24551-D-10-A	Lab Sample ID:	200-24551-10
Client ID:	PW-52		
Operator ID:	RRM	ALS Bottle#:	11
Injection Vol:	1.5 ul	Dil. Factor:	1.0000
Method:	504.1_CH0911.i	Limit Group:	GC_504.1 Limits
Column:	RTX-CLPII (0.32 mm)	Detector:	GC ECD2B
		Worklist Smp#:	11

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

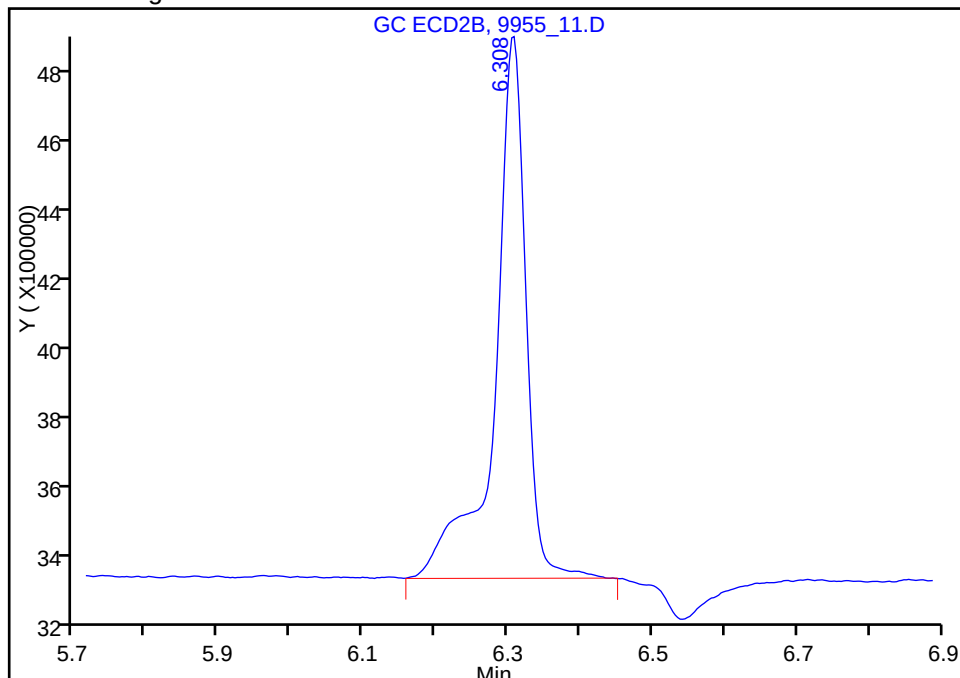
Processing Integration Results

RT: 6.31
Response: 5712983
Amount: 4.361793



Manual Integration Results

RT: 6.31
Response: 4440119
Amount: 3.389977



Reviewer: malaspinar, 13-Oct-2014 12:27:46
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-24551-1</u>
SDG No.: <u>A8091390 (200-24551)</u>	
Client Sample ID: <u>PW-53</u>	Lab Sample ID: <u>200-24551-11</u>
Matrix: <u>Water</u>	Lab File ID: <u>9955_16.D</u>
Analysis Method: <u>504.1</u>	Date Collected: <u>10/01/2014 12:01</u>
Extraction Method: <u>504.1</u>	Date Extracted: <u>10/10/2014 11:34</u>
Sample wt/vol: <u>33.8 (mL)</u>	Date Analyzed: <u>10/10/2014 21:42</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1.5 (uL)</u>	GC Column: <u>RTX-CLP</u> ID: <u>0.32 (mm)</u>
% Moisture: <u></u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>78532</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.0017
96-18-4	1,2,3-Trichloropropane	0.021	U	0.021	0.0029
96-12-8	1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.0027

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	92		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_16.D
Lims ID: 200-24551-D-11-A Lab Sample ID: 200-24551-11
Client ID: PW-53
Sample Type: Client
Inject. Date: 10-Oct-2014 21:42:53 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Sample Info: 200-0009955-016
Operator ID: RRM Instrument ID: CH0911.i
Method: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
Limit Group: GC_504.1 Limits
Last Update: 13-Oct-2014 12:55:00 Calib Date: 09-Oct-2014 20:49:54
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:46:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
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\$ 2 1-Bromo-3-Chloropropane (Surr) M

1	6.709	6.710	-0.001	1042892	3.23	
2	6.306	6.307	-0.001	4333242	3.31	M

RPD = 2.49

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Oct-2014 12:55:02

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_16.D

Injection Date: 10-Oct-2014 21:42:53

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-11-A

Lab Sample ID: 200-24551-11

Worklist Smp#: 16

Client ID: PW-53

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

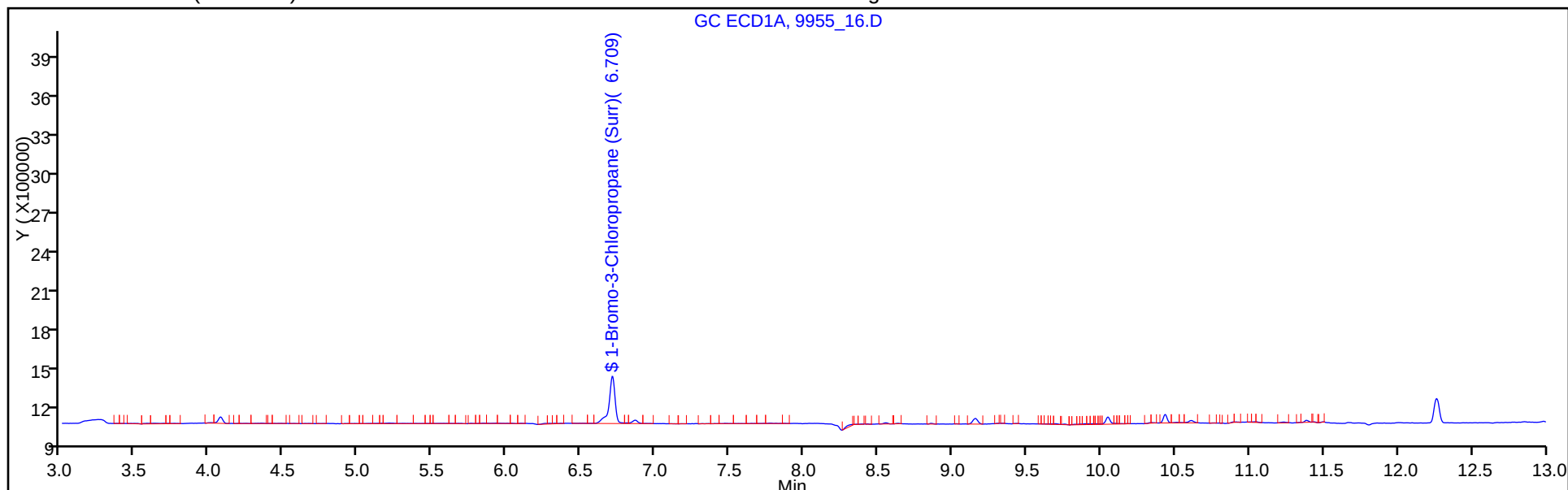
ALS Bottle#: 16

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

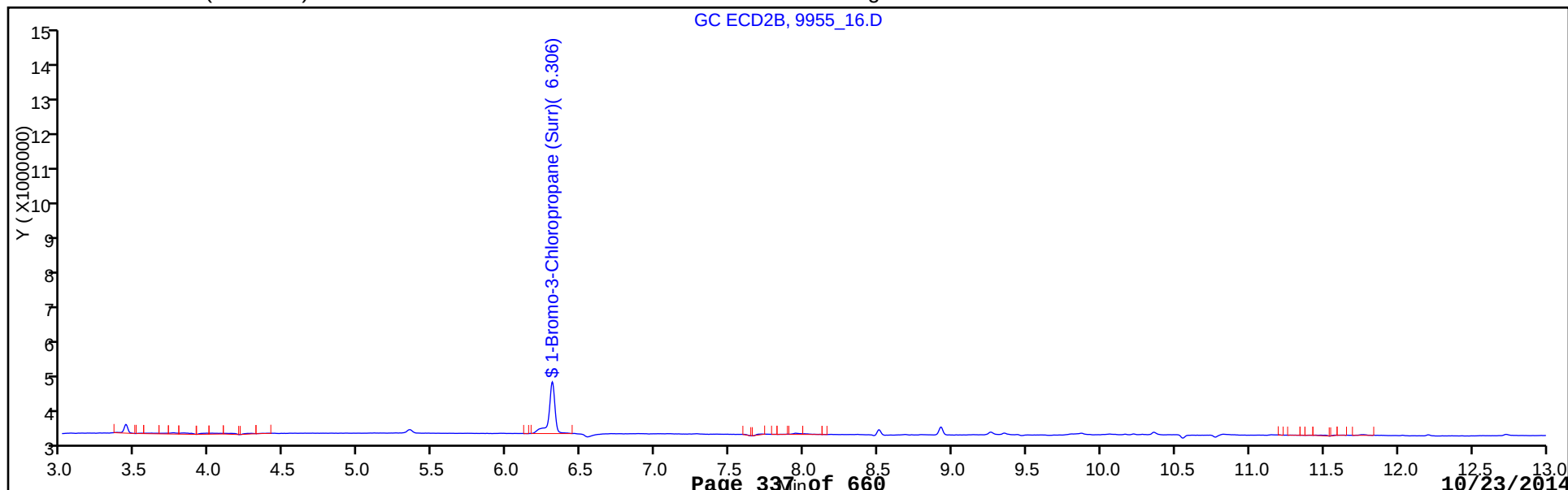
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-24551-1</u>
SDG No.: <u>A8091390 (200-24551)</u>	
Client Sample ID: <u>PW-53</u>	Lab Sample ID: <u>200-24551-11</u>
Matrix: <u>Water</u>	Lab File ID: <u>9955_16.D</u>
Analysis Method: <u>504.1</u>	Date Collected: <u>10/01/2014 12:01</u>
Extraction Method: <u>504.1</u>	Date Extracted: <u>10/10/2014 11:34</u>
Sample wt/vol: <u>33.8 (mL)</u>	Date Analyzed: <u>10/10/2014 21:42</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1.5 (uL)</u>	GC Column: <u>RTX-CLPII</u> ID: <u>0.32 (mm)</u>
% Moisture: <u></u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>78532</u>	Units: <u>ug/L</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	95		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_16.D
Lims ID: 200-24551-D-11-A Lab Sample ID: 200-24551-11
Client ID: PW-53
Sample Type: Client
Inject. Date: 10-Oct-2014 21:42:53 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Sample Info: 200-0009955-016
Operator ID: RRM Instrument ID: CH0911.i
Method: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
Limit Group: GC_504.1 Limits
Last Update: 13-Oct-2014 12:55:00 Calib Date: 09-Oct-2014 20:49:54
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:46:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
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\$ 2 1-Bromo-3-Chloropropane (Surr) M

1	6.709	6.710	-0.001	1042892	3.23	
2	6.306	6.307	-0.001	4333242	3.31	M

RPD = 2.49

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_16.D

Injection Date: 10-Oct-2014 21:42:53

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-11-A

Lab Sample ID: 200-24551-11

Worklist Smp#: 16

Client ID: PW-53

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

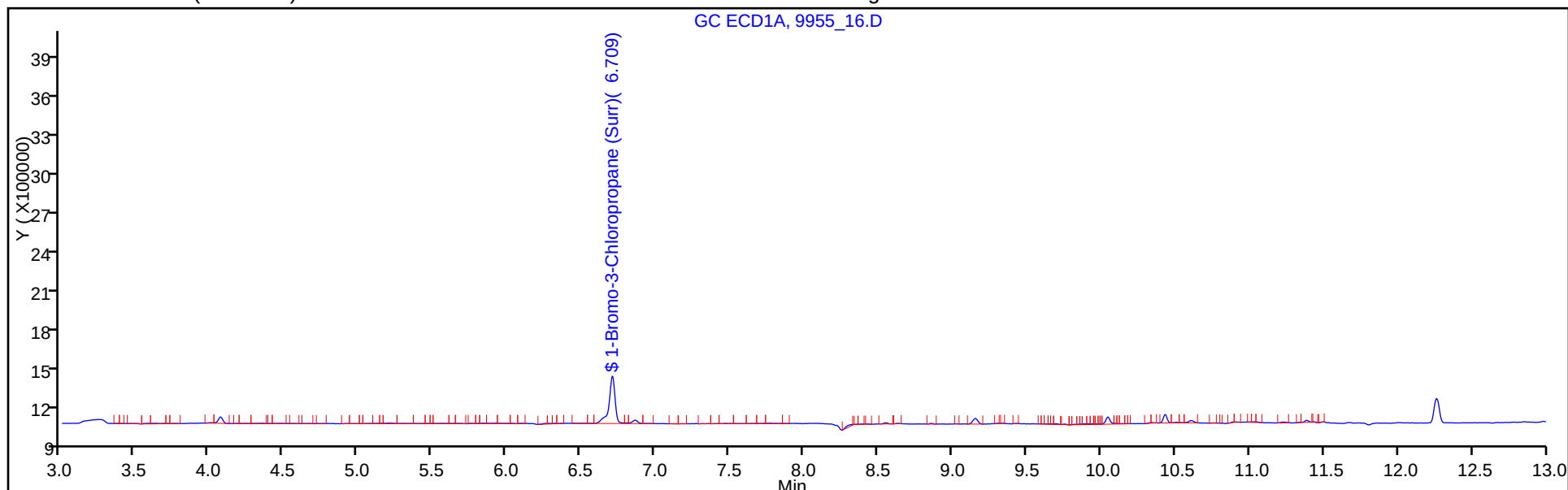
ALS Bottle#: 16

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

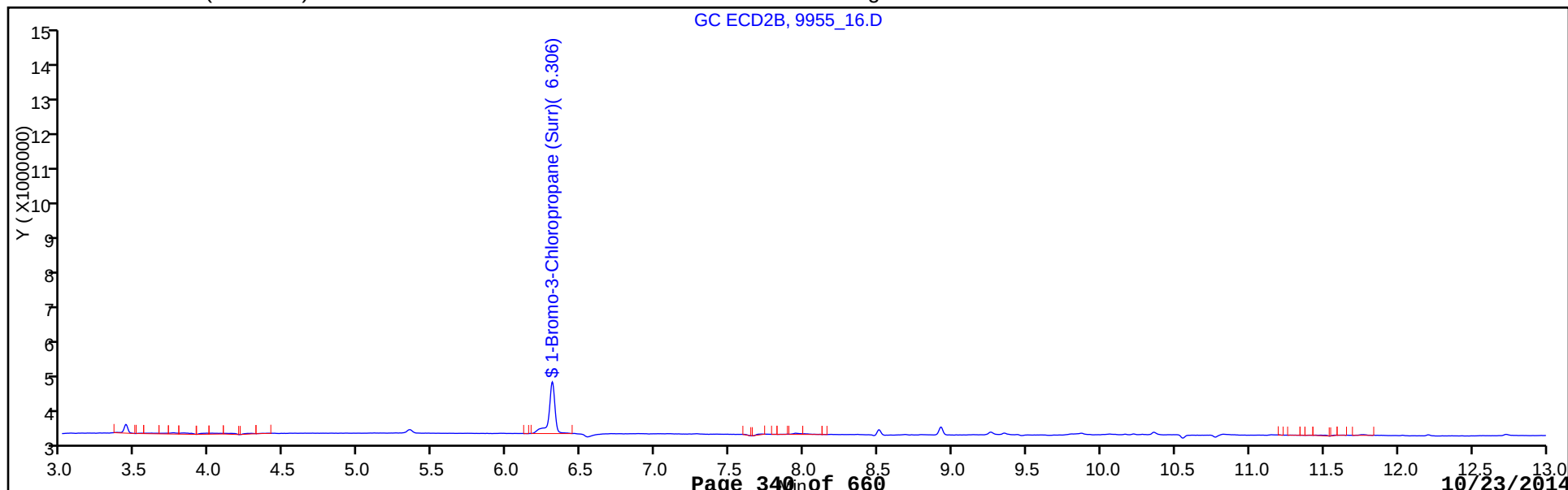
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



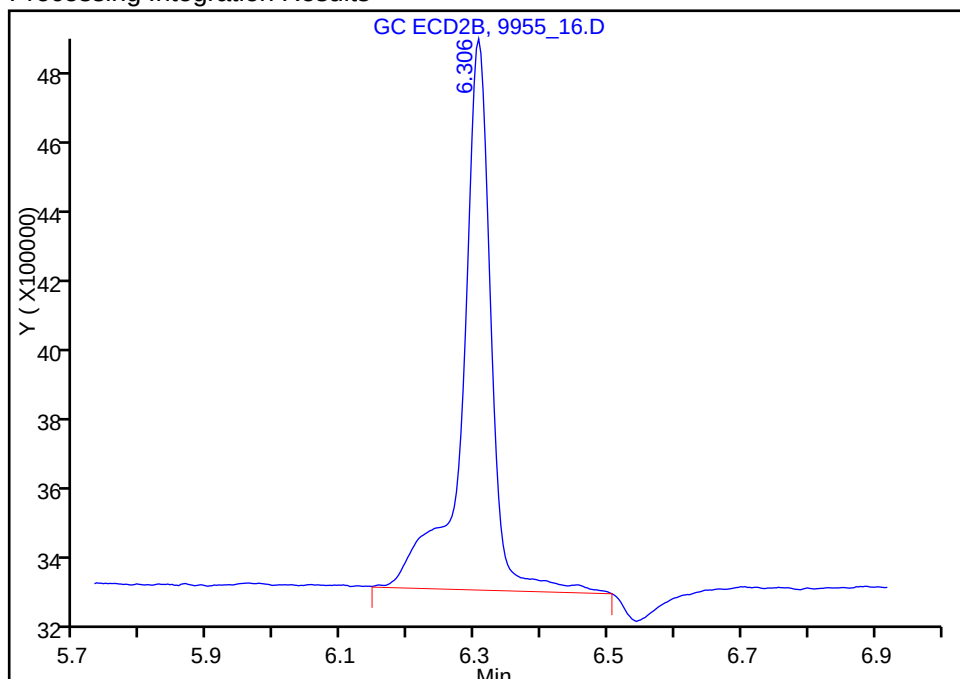
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_16.D		
Injection Date:	10-Oct-2014 21:42:53	Instrument ID:	CH0911.i
Lims ID:	200-24551-D-11-A	Lab Sample ID:	200-24551-11
Client ID:	PW-53		
Operator ID:	RRM	ALS Bottle#:	16
Injection Vol:	1.5 ul	Dil. Factor:	1.0000
Method:	504.1_CH0911.i	Limit Group:	GC_504.1 Limits
Column:	RTX-CLPII (0.32 mm)	Detector:	GC ECD2B
		Worklist Smp#:	16

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

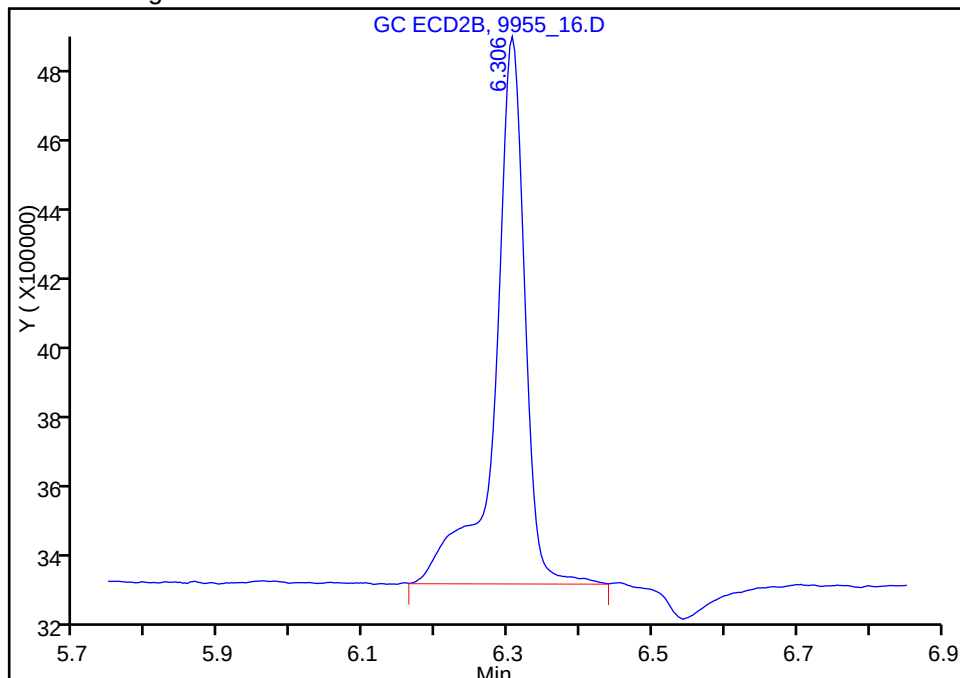
Processing Integration Results

RT: 6.31
Response: 4564403
Amount: 3.484866



Manual Integration Results

RT: 6.31
Response: 4333242
Amount: 3.308378



Reviewer: malaspinar, 13-Oct-2014 12:40:30
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-24551-1</u>
SDG No.: <u>A8091390 (200-24551)</u>	
Client Sample ID: <u>DUP</u>	Lab Sample ID: <u>200-24551-12</u>
Matrix: <u>Water</u>	Lab File ID: <u>9955_17.D</u>
Analysis Method: <u>504.1</u>	Date Collected: <u>10/01/2014 12:01</u>
Extraction Method: <u>504.1</u>	Date Extracted: <u>10/10/2014 11:34</u>
Sample wt/vol: <u>32.8 (mL)</u>	Date Analyzed: <u>10/10/2014 22:12</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1.5 (uL)</u>	GC Column: <u>RTX-CLP</u> ID: <u>0.32 (mm)</u>
% Moisture: <u></u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>78532</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.011	U	0.011	0.0017
96-18-4	1,2,3-Trichloropropane	0.021	U	0.021	0.0030
96-12-8	1,2-Dibromo-3-Chloropropane	0.011	U	0.011	0.0028

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	90		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_17.D
Lims ID: 200-24551-D-12-A Lab Sample ID: 200-24551-12
Client ID: DUP
Sample Type: Client
Inject. Date: 10-Oct-2014 22:12:32 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Sample Info: 200-0009955-017
Operator ID: RRM Instrument ID: CH0911.i
Method: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
Limit Group: GC_504.1 Limits
Last Update: 13-Oct-2014 12:55:00 Calib Date: 09-Oct-2014 20:49:54
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:47:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
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\$ 2 1-Bromo-3-Chloropropane (Surr) M

1 6.710 6.710 0.000 1014919 3.14 M

2 6.307 6.307 0.000 4260607 3.25 M

RPD = 3.51

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Oct-2014 12:55:03

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_17.D

Injection Date: 10-Oct-2014 22:12:32

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-12-A

Lab Sample ID: 200-24551-12

Worklist Smp#: 17

Client ID: DUP

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

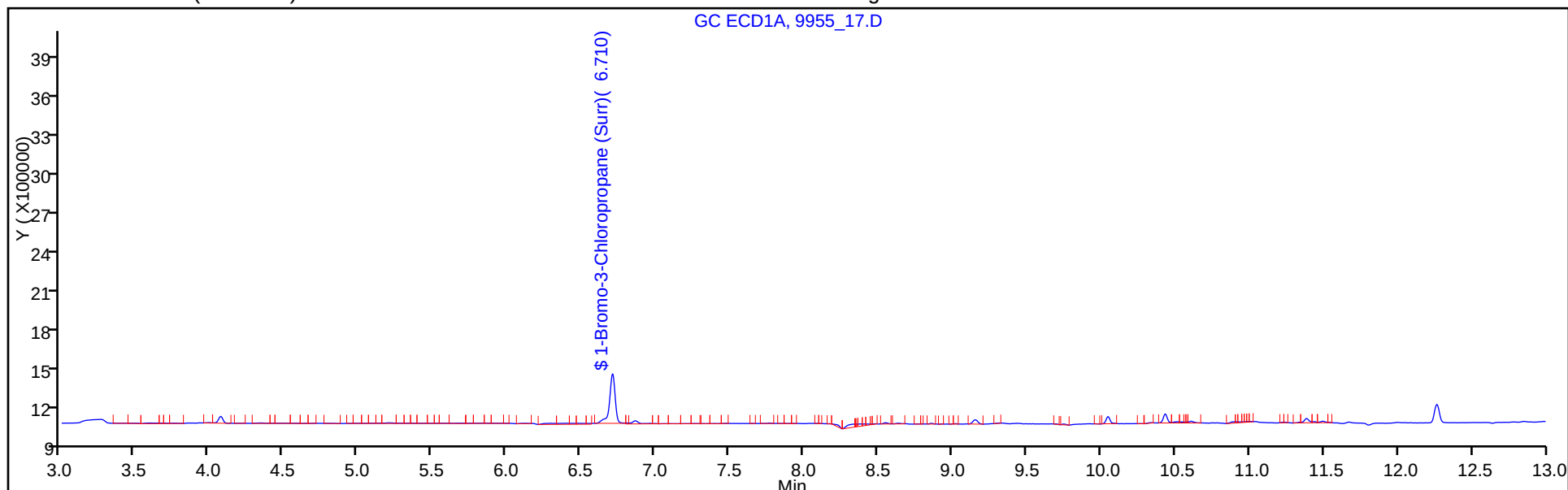
ALS Bottle#: 17

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

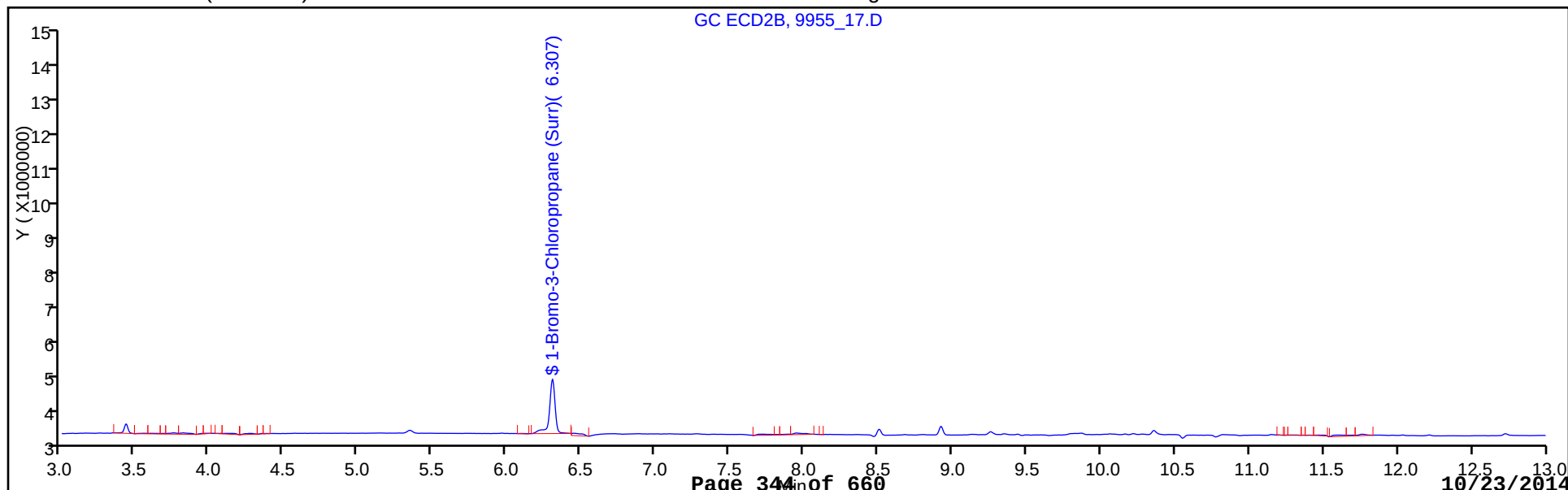
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



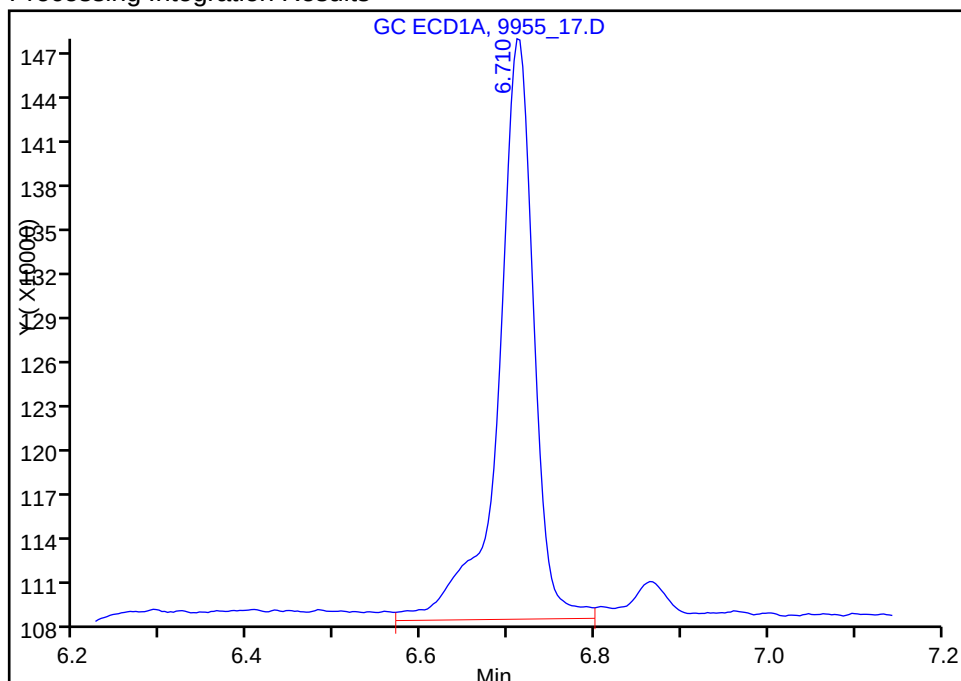
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_17.D
Injection Date: 10-Oct-2014 22:12:32 Instrument ID: CH0911.i
Lims ID: 200-24551-D-12-A Lab Sample ID: 200-24551-12
Client ID: DUP
Operator ID: RRM ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Method: 504.1_CH0911.i Limit Group: GC_504.1 Limits
Column: RTX-CLP (0.32 mm) Detector: GC ECD1A

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

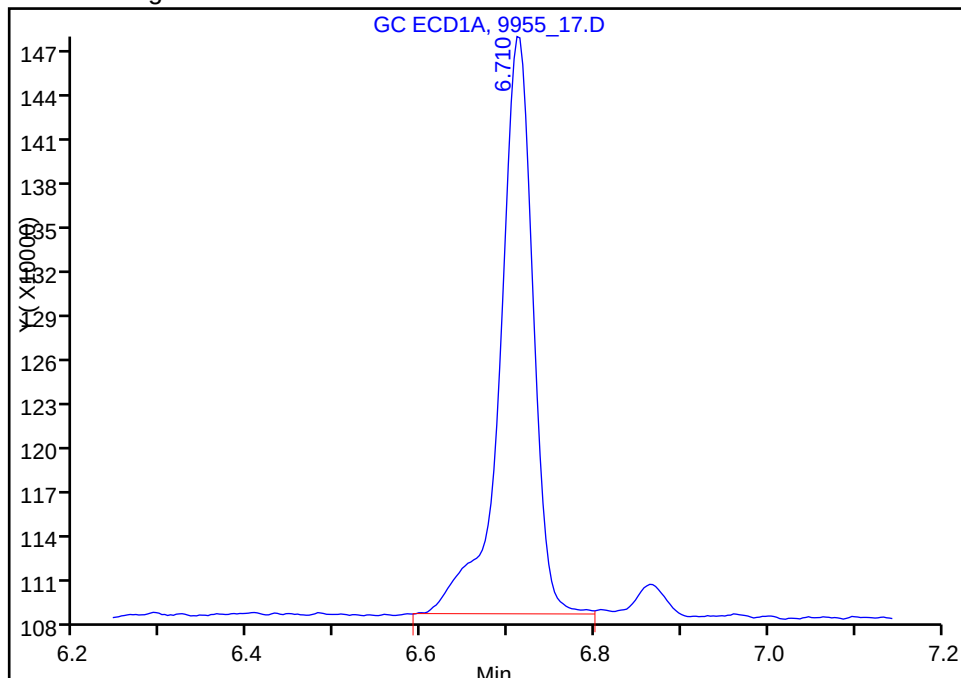
Processing Integration Results

RT: 6.71
Response: 1093912
Amount: 3.385044



Manual Integration Results

RT: 6.71
Response: 1014919
Amount: 3.140605



Reviewer: malaspinar, 13-Oct-2014 12:41:07
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: DUP Lab Sample ID: 200-24551-12
Matrix: Water Lab File ID: 9955_17.D
Analysis Method: 504.1 Date Collected: 10/01/2014 12:01
Extraction Method: 504.1 Date Extracted: 10/10/2014 11:34
Sample wt/vol: 32.8 (mL) Date Analyzed: 10/10/2014 22:12
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1.5 (uL) GC Column: RTX-CLPII ID: 0.32 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78532 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	93		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_17.D
 Lims ID: 200-24551-D-12-A Lab Sample ID: 200-24551-12
 Client ID: DUP
 Sample Type: Client
 Inject. Date: 10-Oct-2014 22:12:32 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-017
 Operator ID: RRM Instrument ID: CH0911.i
 Method: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 13-Oct-2014 12:55:00 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:47:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
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\$ 2 1-Bromo-3-Chloropropane (Surr) M

1	6.710	6.710	0.000	1014919	3.14	M
2	6.307	6.307	0.000	4260607	3.25	M

RPD = 3.51

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_17.D

Injection Date: 10-Oct-2014 22:12:32

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-12-A

Lab Sample ID: 200-24551-12

Worklist Smp#: 17

Client ID: DUP

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

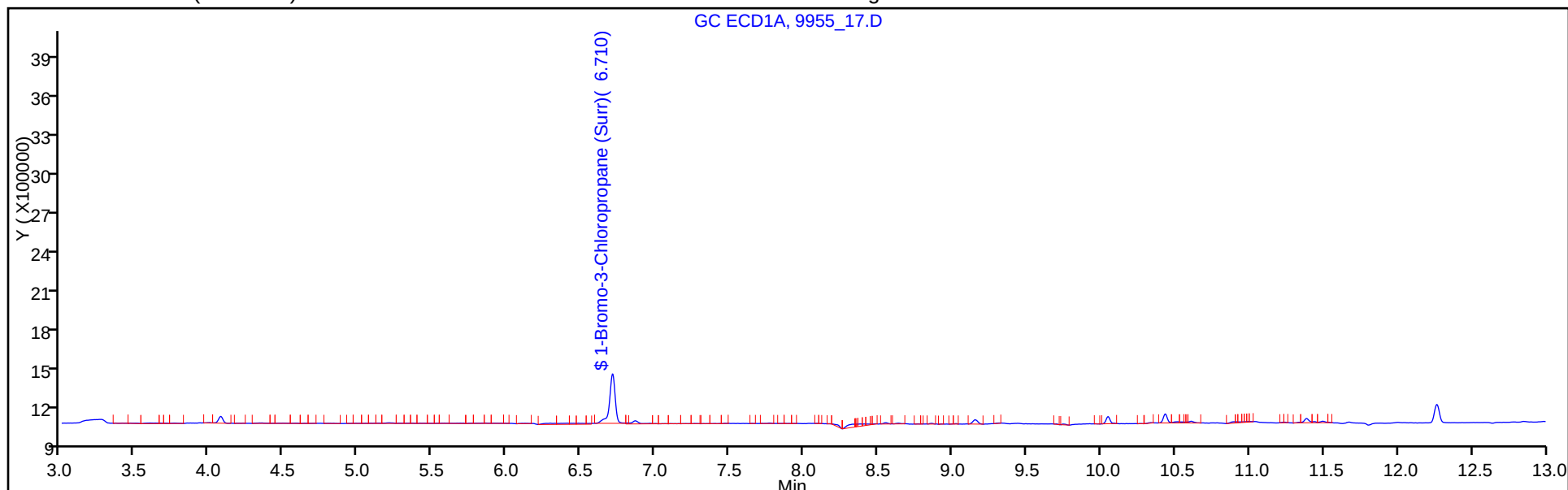
ALS Bottle#: 17

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

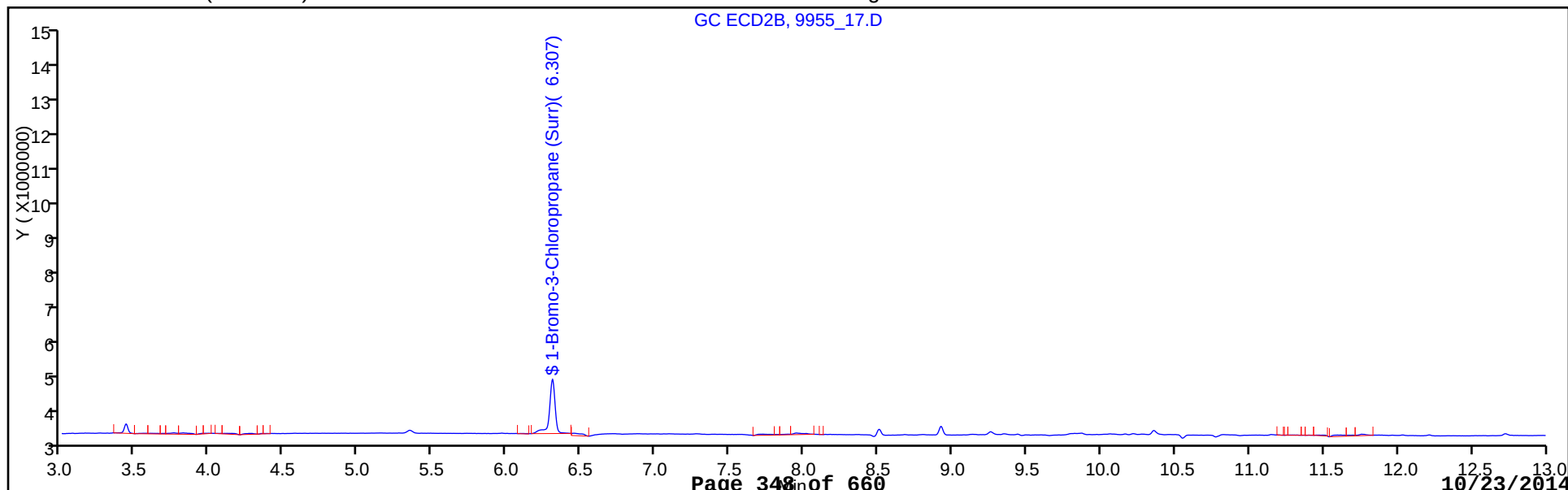
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



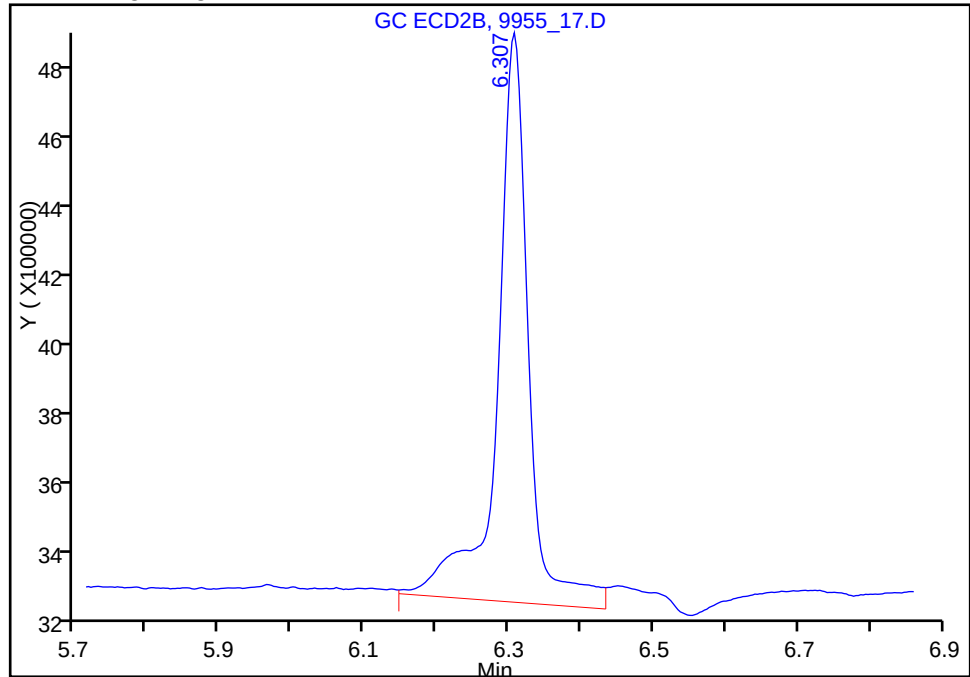
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_17.D		
Injection Date:	10-Oct-2014 22:12:32	Instrument ID:	CH0911.i
Lims ID:	200-24551-D-12-A	Lab Sample ID:	200-24551-12
Client ID:	DUP		
Operator ID:	RRM	ALS Bottle#:	17
Injection Vol:	1.5 ul	Dil. Factor:	1.0000
Method:	504.1_CH0911.i	Limit Group:	GC_504.1 Limits
Column:	RTX-CLPII (0.32 mm)	Detector:	GC ECD2B
		Worklist Smp#:	17

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

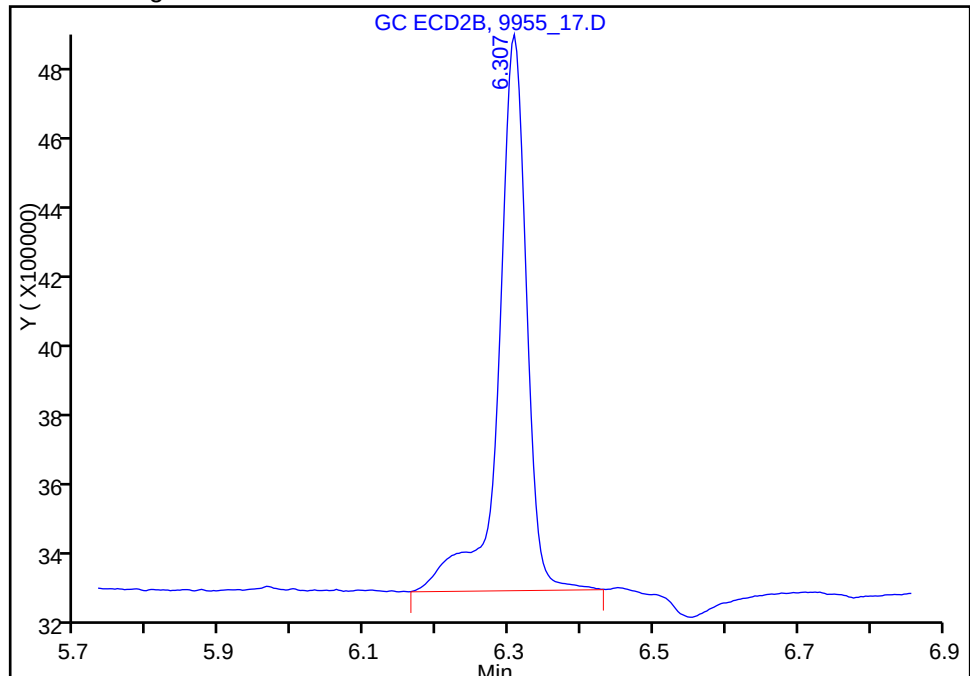
Processing Integration Results

RT: 6.31
Response: 4859502
Amount: 3.710171



Manual Integration Results

RT: 6.31
Response: 4260607
Amount: 3.252922



Reviewer: malaspinar, 13-Oct-2014 12:41:07
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 78477

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i GC Column: RTX-CLP ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2014 18:20 Calibration End Date: 10/09/2014 20:49 Calibration ID: 28149

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-78475/1-A	9932_06.D
Level 2	IC 200-78475/2-A	9932_07.D
Level 3	IC 200-78475/3-A	9932_08.D
Level 4	ICRT 200-78475/4-A	9932_09.D
Level 5	IC 200-78475/5-A	9932_10.D
Level 6	IC 200-78475/6-A	9932_11.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
1,2-Dibromoethane	4.299	4.298	4.298	4.296	4.296	4.298					4.246 - 4.346	4.298
1,2,3-Trichloropropane	++++	8.142	8.141	8.140	8.139	8.141					8.090 - 8.190	8.141
1,2-Dibromo-3-Chloropropane	11.319	11.318	11.318	11.316	11.316	11.318					11.266 - 11.366	11.318
1-Bromo-3-Chloropropane (Surr)	6.709	6.708	6.708	6.710	6.709	6.708					6.660 - 6.760	6.709

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 78477

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i GC Column: RTX-CLP ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2014 18:20 Calibration End Date: 10/09/2014 20:49 Calibration ID: 28149

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-78475/1-A	9932_06.D
Level 2	IC 200-78475/2-A	9932_07.D
Level 3	IC 200-78475/3-A	9932_08.D
Level 4	ICRT 200-78475/4-A	9932_09.D
Level 5	IC 200-78475/5-A	9932_10.D
Level 6	IC 200-78475/6-A	9932_11.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
1,2-Dibromoethane	1526251 1335873	1473326 1321827	1460641	1408501	Ave		1421069.87				5.7		20.0			
1,2,3-Trichloropropane	++++ 150385	146966 154421	183385	161893	Ave		159409.977				9.1		20.0			
1,2-Dibromo-3-Chloropropane	2574600 2385580	2531617 2460478	2517797	2454332	Ave		2487400.66				2.7		20.0			
1-Bromo-3-Chloropropane (Surr)	364451 293607	335311 297024	330351	318217	Ave		323160.362				8.2		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 78477

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i GC Column: RTX-CLP ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2014 18:20 Calibration End Date: 10/09/2014 20:49 Calibration ID: 28149

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-78475/1-A	9932_06.D
Level 2	IC 200-78475/2-A	9932_07.D
Level 3	IC 200-78475/3-A	9932_08.D
Level 4	ICRT 200-78475/4-A	9932_09.D
Level 5	IC 200-78475/5-A	9932_10.D
Level 6	IC 200-78475/6-A	9932_11.D

ANALYTE	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-Dibromoethane	Ave	267094 5782994	515664	1278061	2464877	4675554	0.175 4.38	0.350	0.875	1.75	3.50
1,2,3-Trichloropropane	Ave	++++ 675592	51438	160462	283313	526347	++++ 4.38	0.350	0.875	1.75	3.50
1,2-Dibromo-3-Chloropropane	Ave	450555 10764591	886066	2203072	4295081	8349531	0.175 4.38	0.350	0.875	1.75	3.50
1-Bromo-3-Chloropropane (Surr)	Ave	63779 1299482	117359	289057	556880	1027624	0.175 4.38	0.350	0.875	1.75	3.50

Curve Type Legend:

Ave = Average

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_06.D
 Lims ID: IC 200-78475/1-A
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Oct-2014 18:20:59 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009932-006
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 10-Oct-2014 10:27:54 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK026

First Level Reviewer: malaspinar Date: 10-Oct-2014 09:05:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
-----	--------------	------------------	------------------	----------	-----------------	-------------------	-------

3 Ethylene Dibromide							M
1	4.299	4.296	0.003	267094	0.1750	0.1880	M
2	4.109	4.107	0.002	1510675	0.1750	0.2349	M
RPD = 22.19							
\$ 2 1-Bromo-3-Chloropropane (Surr)							M
1	6.709	6.710	-0.001	63779	0.1750	0.1974	M
2	6.306	6.303	0.003	253873	0.1750	0.1938	M
RPD = 1.81							
1 1,2,3-Trichloropropane							M
1	8.142	8.140	0.002	28496	0.1750	0.1788	
2	7.873	7.870	0.003	135748	0.1750	0.2074	M
RPD = 14.85							
4 1,2-Dibromo-3-Chloropropane							M
1	11.319	11.316	0.003	450555	0.1750	0.1811	
2	11.423	11.423	0.000	1883677	0.1750	0.1934	M
RPD = 6.56							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 35.00

Units: uL

Report Date: 10-Oct-2014 10:27:54

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_06.D

Injection Date: 09-Oct-2014 18:20:59

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: IC 200-78475/1-A

Worklist Smp#: 6

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

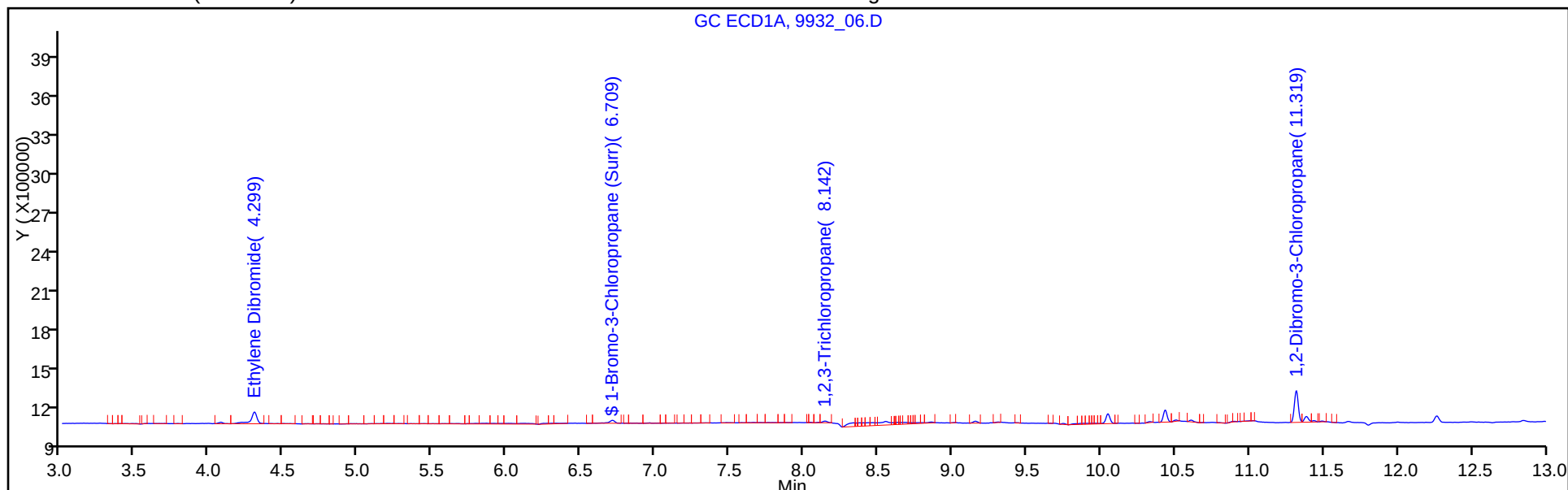
ALS Bottle#: 6

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

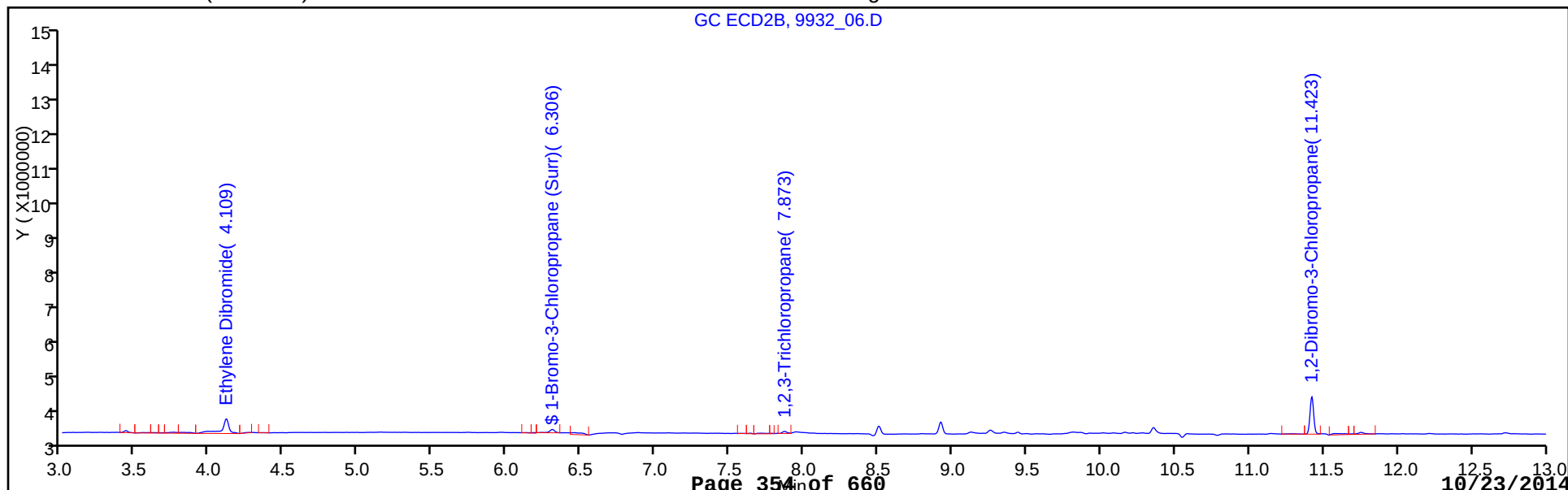
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_06.D

Injection Date: 09-Oct-2014 18:20:59

Instrument ID: CH0911.i

Lims ID: IC 200-78475/1-A

Client ID:

Operator ID: RRM

ALS Bottle#: 6

Worklist Smp#: 6

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

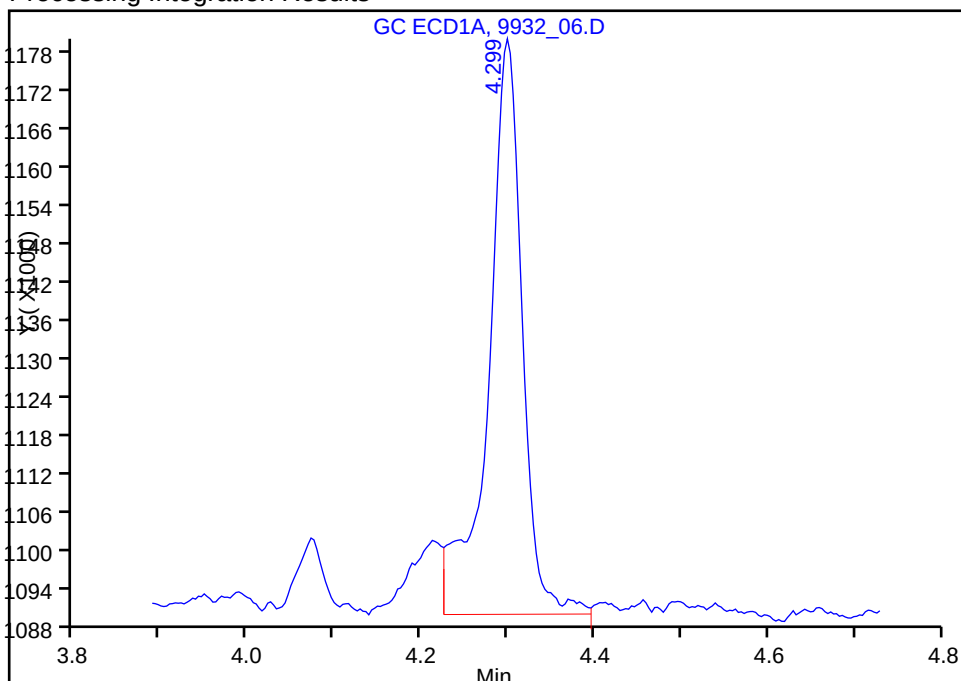
Column: RTX-CLP (0.32 mm)

Detector: GC ECD1A

3 Ethylene Dibromide, CAS: 106-93-4

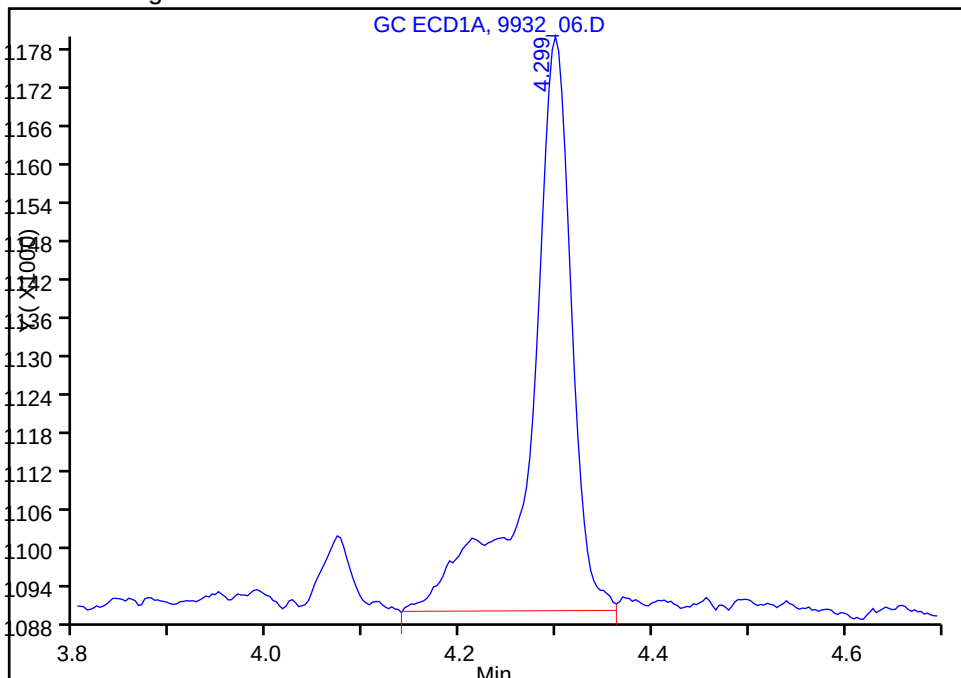
RT: 4.30
Response: 242392
Amount: 0.177916

Processing Integration Results



RT: 4.30
Response: 267094
Amount: 0.187953

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:05:14

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_06.D

Injection Date: 09-Oct-2014 18:20:59

Instrument ID: CH0911.i

Lims ID: IC 200-78475/1-A

Client ID:

Operator ID: RRM

ALS Bottle#: 6

Worklist Smp#: 6

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

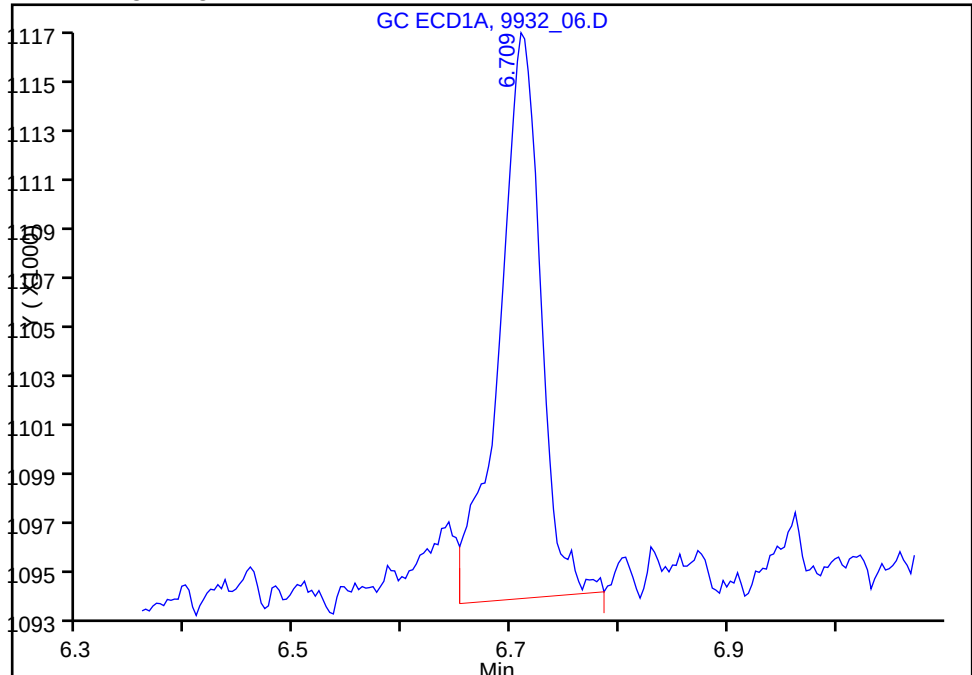
Limit Group: GC_504.1 Limits

Column: RTX-CLP (0.32 mm)

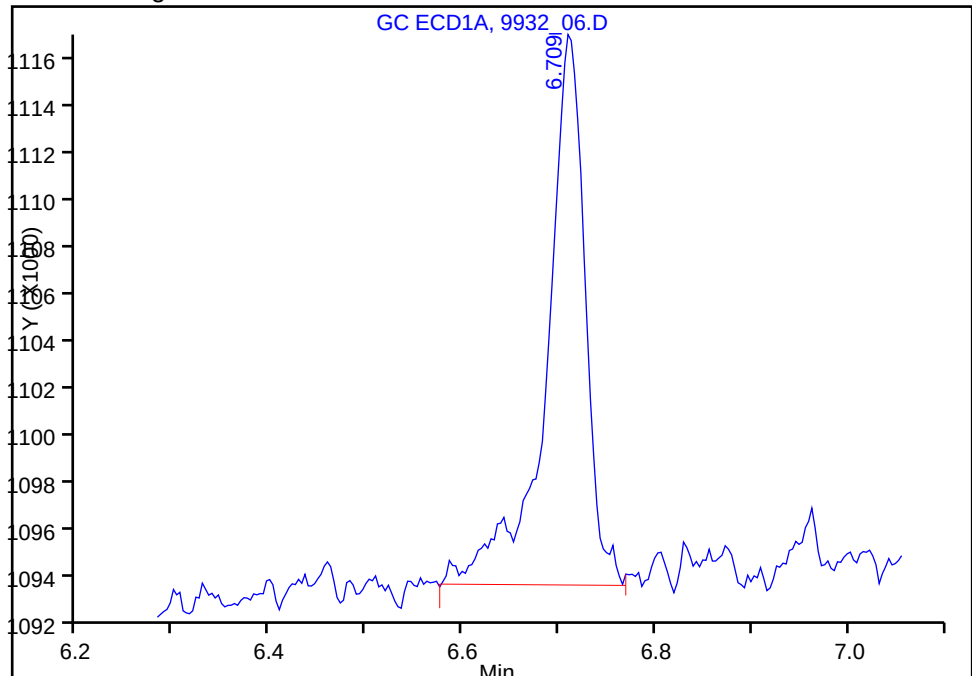
Detector: GC ECD1A

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.71
Response: 60630
Amount: 0.176206

Manual Integration Results

RT: 6.71
Response: 63779
Amount: 0.197360

Reviewer: malaspinar, 10-Oct-2014 09:05:14

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_07.D
 Lims ID: IC 200-78475/2-A
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 09-Oct-2014 18:50:46 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009932-007
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 10-Oct-2014 10:27:55 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK026

First Level Reviewer: malaspinar

Date: 10-Oct-2014 09:07:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
-----	--------------	------------------	------------------	----------	-----------------	-------------------	-------

3 Ethylene Dibromide							M
1	4.298	4.296	0.002	515664	0.3500	0.3629	M
2	4.109	4.107	0.002	2527571	0.3500	0.3930	M
RPD = 7.96							
\$ 2 1-Bromo-3-Chloropropane (Surr)							M
1	6.708	6.710	-0.002	117359	0.3500	0.3632	M
2	6.305	6.303	0.002	467245	0.3500	0.3567	M
RPD = 1.78							
1 1,2,3-Trichloropropane							M
1	8.142	8.140	0.002	51438	0.3500	0.3227	M
2	7.869	7.870	-0.001	228660	0.3500	0.3494	M
RPD = 7.95							
4 1,2-Dibromo-3-Chloropropane							M
1	11.318	11.316	0.002	886066	0.3500	0.3562	
2	11.422	11.423	-0.001	3583111	0.3500	0.3679	M
RPD = 3.23							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 70.00

Units: uL

Report Date: 10-Oct-2014 10:27:55

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_07.D

Injection Date: 09-Oct-2014 18:50:46

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: IC 200-78475/2-A

Worklist Smp#: 7

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

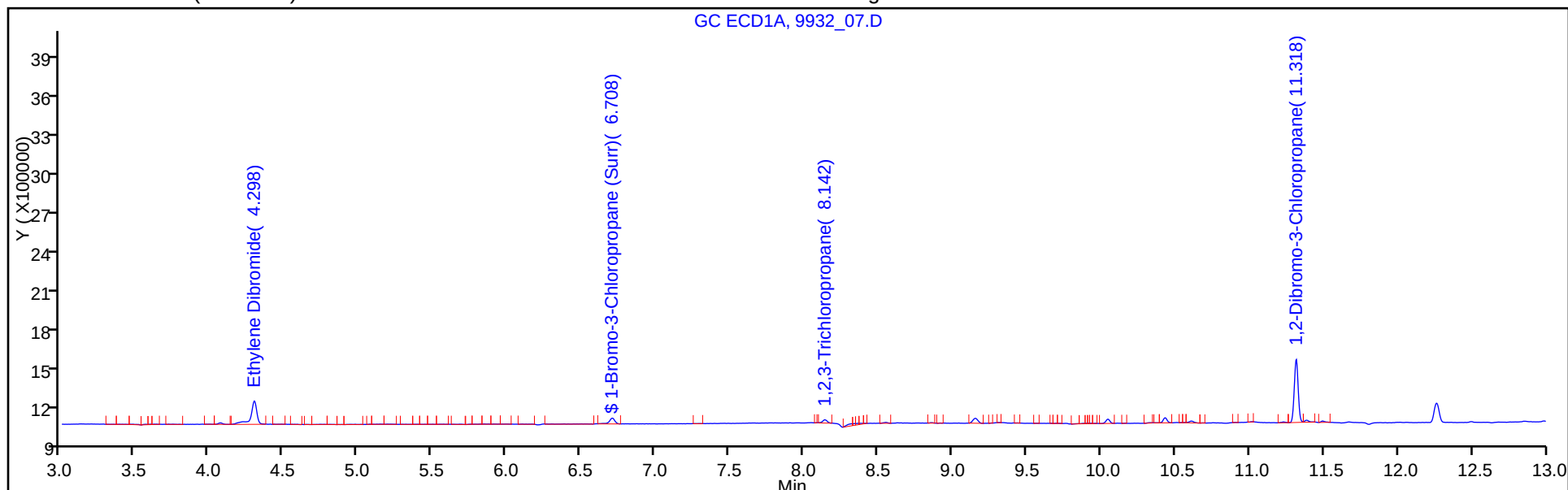
ALS Bottle#: 7

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

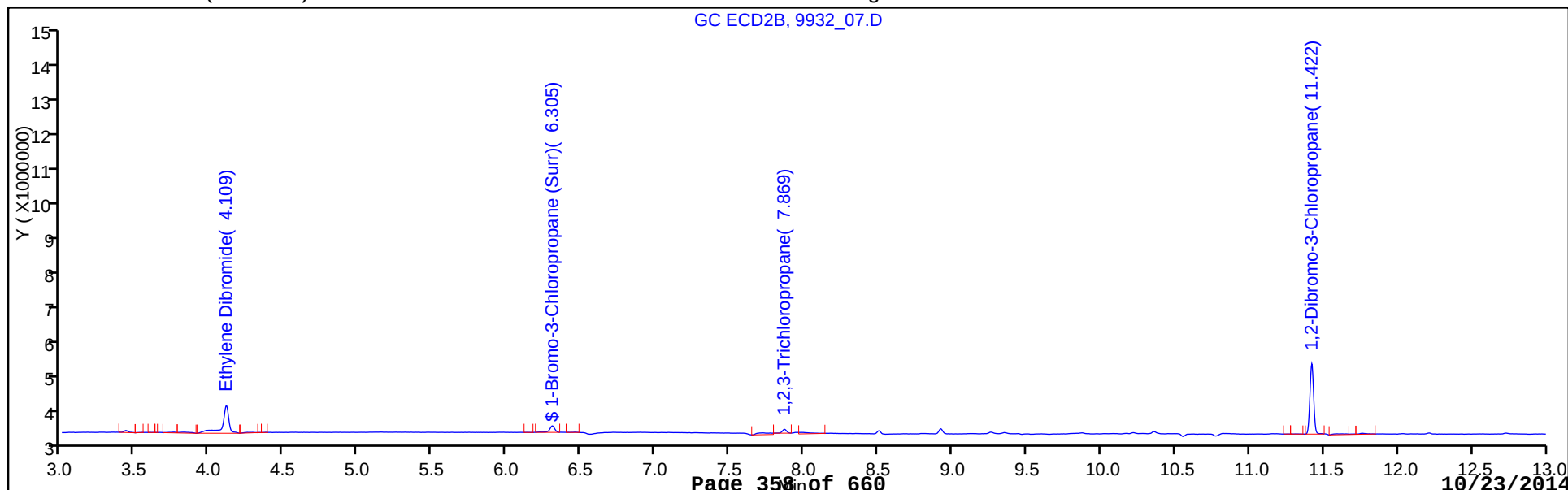
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_07.D

Injection Date: 09-Oct-2014 18:50:46

Instrument ID: CH0911.i

Lims ID: IC 200-78475/2-A

Client ID:

Operator ID: RRM

ALS Bottle#:

7

Worklist Smp#: 7

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLP (0.32 mm)

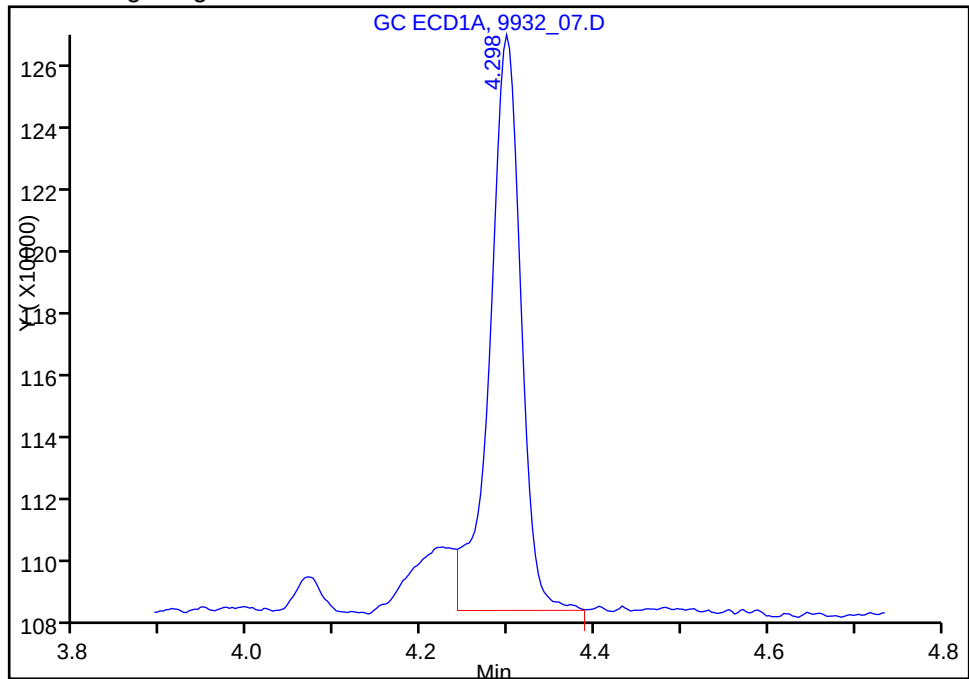
Detector

GC ECD1A

3 Ethylene Dibromide, CAS: 106-93-4

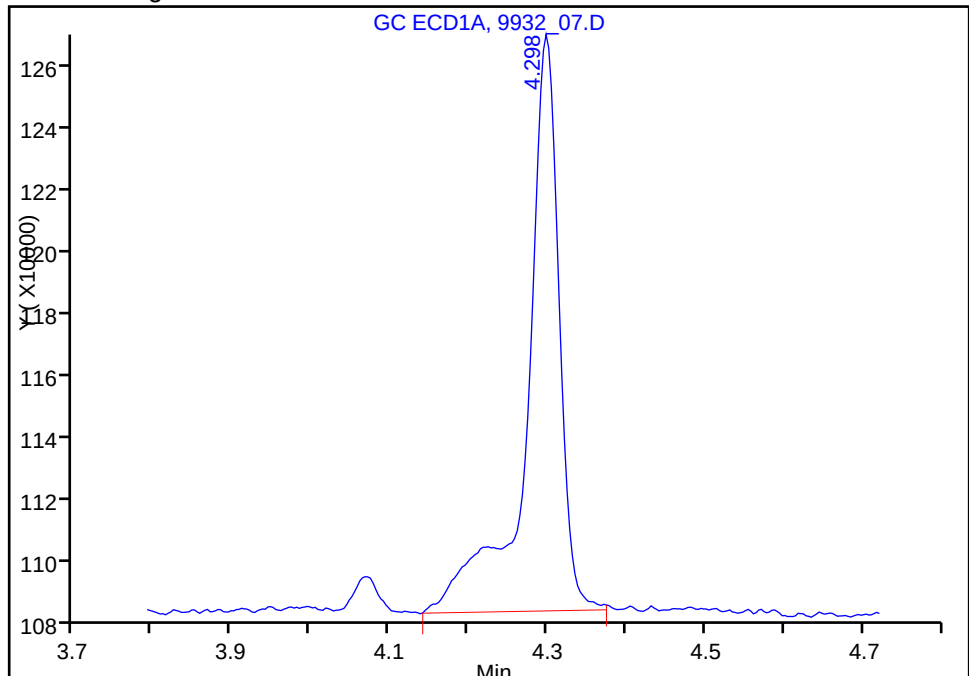
RT: 4.30
Response: 441856
Amount: 0.318817

Processing Integration Results



RT: 4.30
Response: 515664
Amount: 0.362870

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:07:02

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_07.D

Injection Date: 09-Oct-2014 18:50:46

Instrument ID: CH0911.i

Lims ID: IC 200-78475/2-A

Client ID:

Operator ID: RRM

ALS Bottle#:

7

Worklist Smp#: 7

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

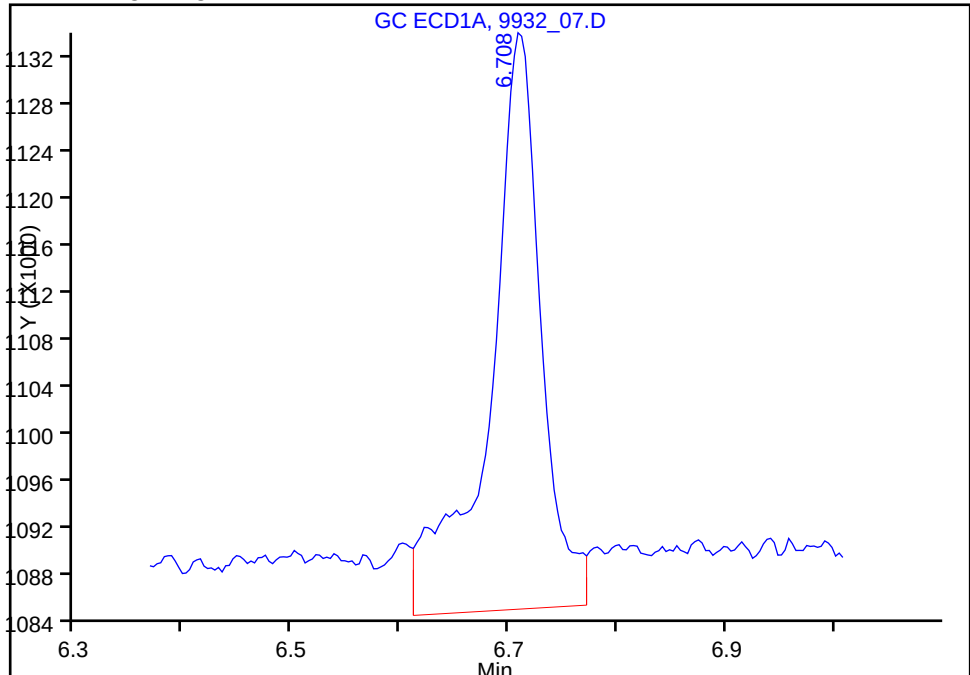
Column: RTX-CLP (0.32 mm)

Detector

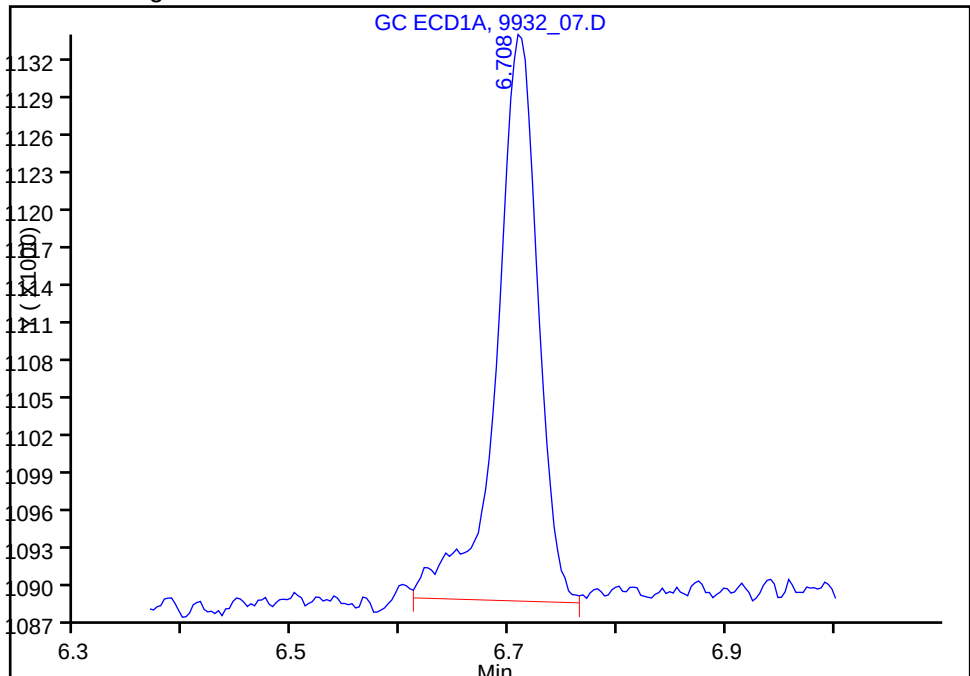
GC ECD1A

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.71
Response: 159759
Amount: 0.460289

Manual Integration Results

RT: 6.71
Response: 117359
Amount: 0.363160

Reviewer: malaspinar, 10-Oct-2014 09:07:02

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_07.D

Injection Date: 09-Oct-2014 18:50:46

Instrument ID: CH0911.i

Lims ID: IC 200-78475/2-A

Client ID:

Operator ID: RRM

ALS Bottle#:

7

Worklist Smp#: 7

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLP (0.32 mm)

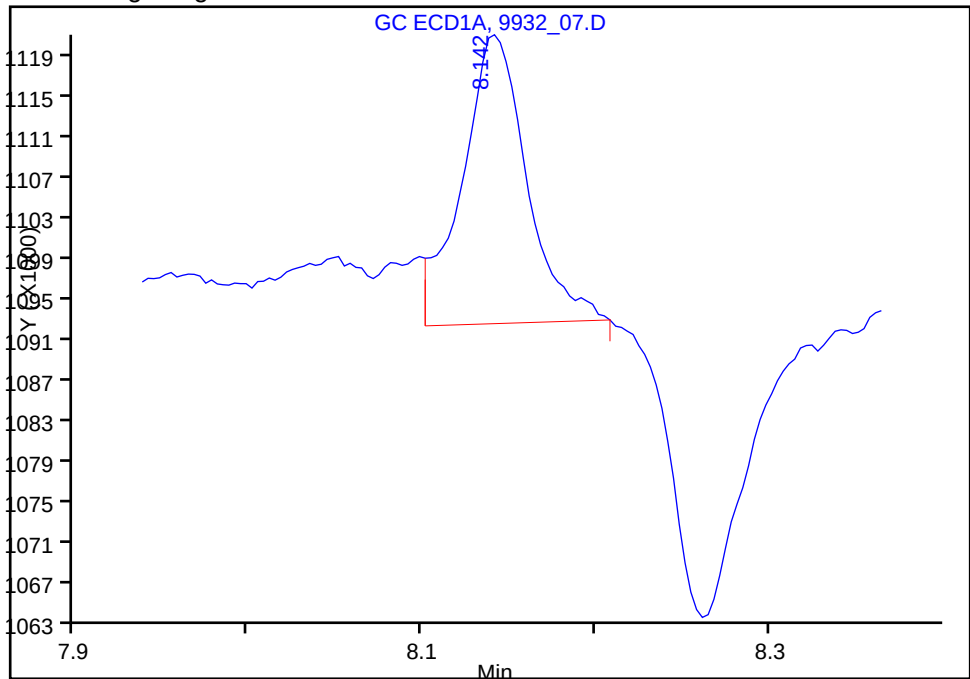
Detector

GC ECD1A

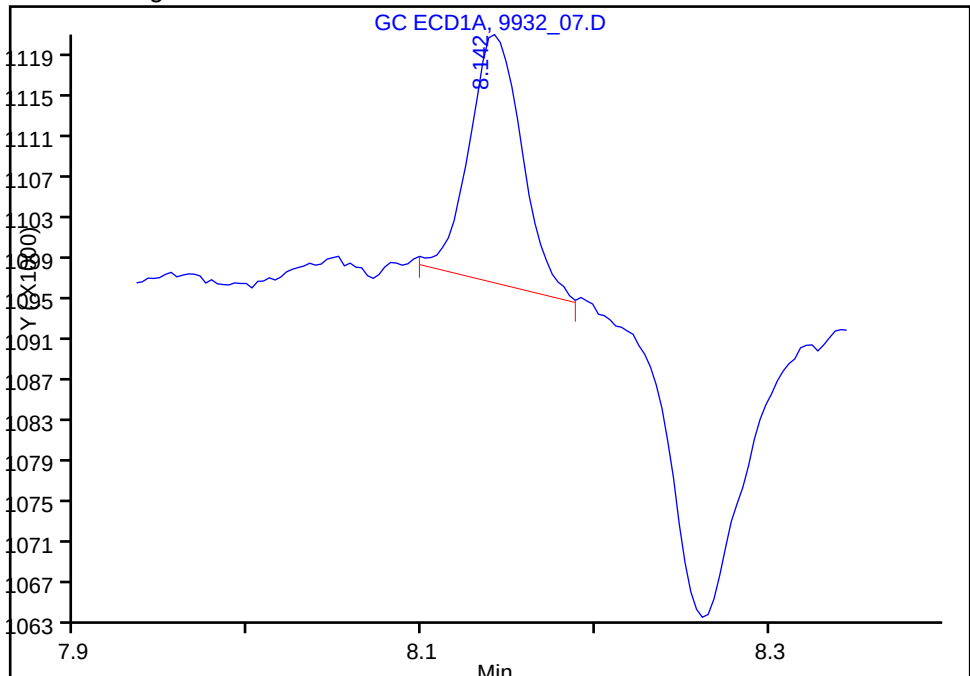
1 1,2,3-Trichloropropane, CAS: 96-18-4

RT: 8.14
Response: 72574
Amount: 0.326957

Processing Integration Results

RT: 8.14
Response: 51438
Amount: 0.322677

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:07:02

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_08.D
 Lims ID: IC 200-78475/3-A
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 09-Oct-2014 19:20:29 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009932-008
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 10-Oct-2014 10:27:56 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK026

First Level Reviewer: malaspinar Date: 10-Oct-2014 09:08:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
-----	--------------	------------------	------------------	----------	-----------------	-------------------	-------

3 Ethylene Dibromide

1	4.298	4.296	0.002	1278061	0.8750	0.8994	
2	4.108	4.107	0.001	5499474	0.8750	0.8550	
RPD = 5.06							

\$ 2 1-Bromo-3-Chloropropane (Surr) M

1	6.708	6.710	-0.002	289057	0.8750	0.8945	
2	6.305	6.303	0.002	1175668	0.8750	0.8976	M
RPD = 0.35							

1 1,2,3-Trichloropropane M

1	8.141	8.140	0.001	160462	0.8750	1.01	M
2	7.868	7.870	-0.002	636137	0.8750	0.9720	
RPD = 3.49							

4 1,2-Dibromo-3-Chloropropane M

1	11.318	11.316	0.002	2203072	0.8750	0.8857	
2	11.422	11.423	-0.001	8492881	0.8750	0.8721	M
RPD = 1.55							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 175.00

Units: uL

Report Date: 10-Oct-2014 10:27:56

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_08.D

Injection Date: 09-Oct-2014 19:20:29

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: IC 200-78475/3-A

Worklist Smp#: 8

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

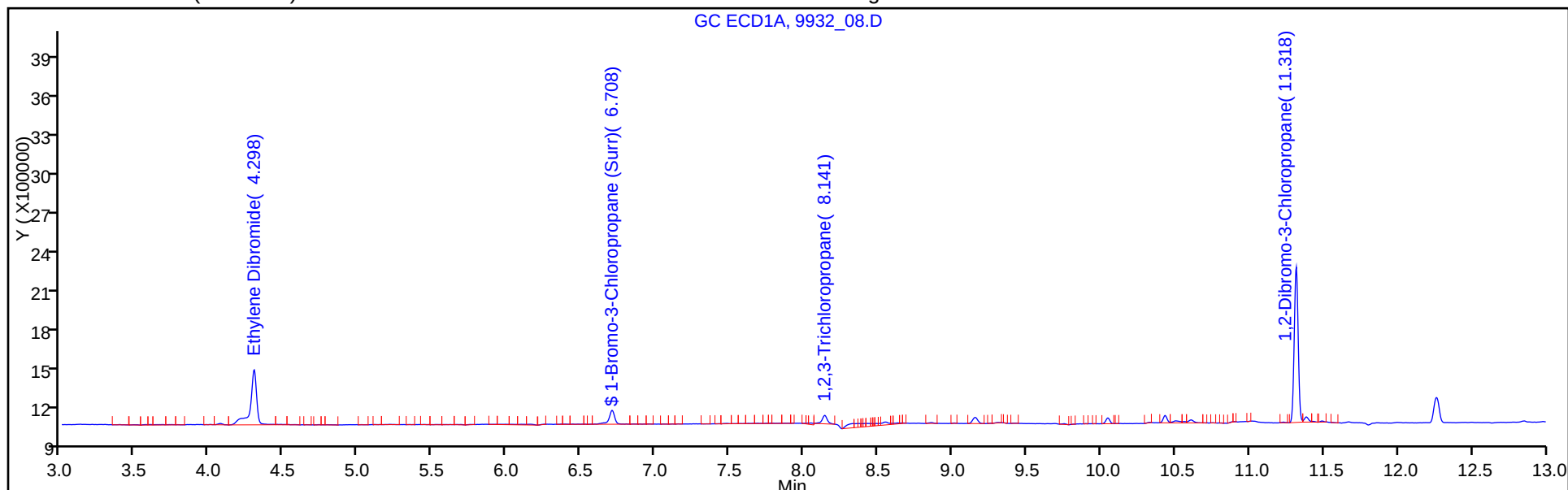
ALS Bottle#: 8

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

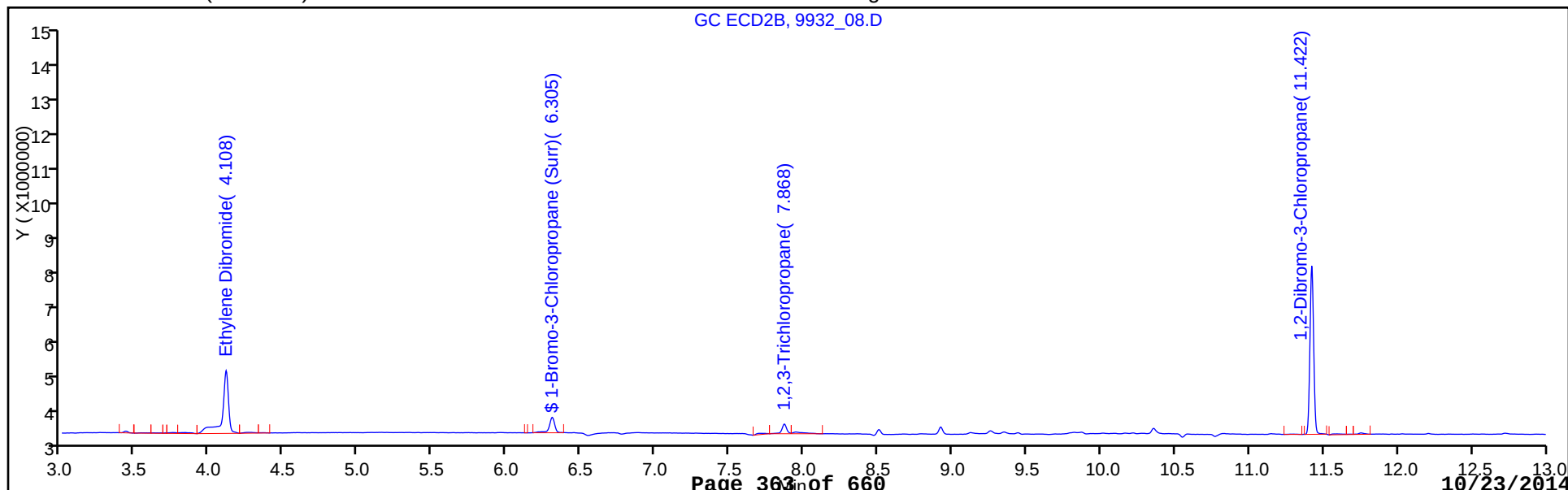
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_08.D

Injection Date: 09-Oct-2014 19:20:29

Instrument ID: CH0911.i

Lims ID: IC 200-78475/3-A

Client ID:

Operator ID: RRM

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

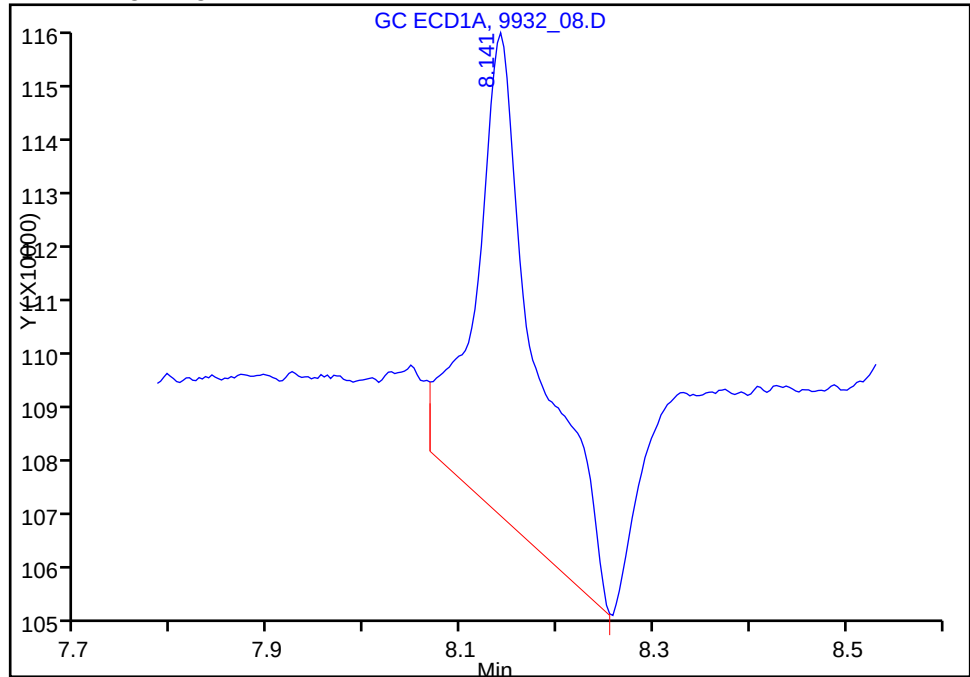
Column: RTX-CLP (0.32 mm)

Detector

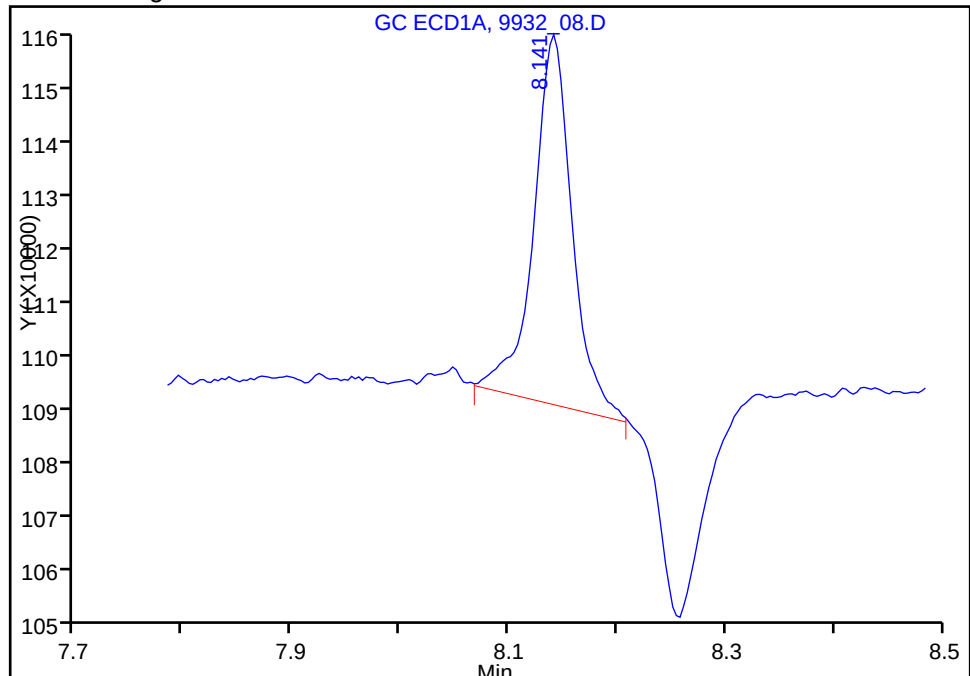
GC ECD1A

1 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Integration Results

RT: 8.14
Response: 376220
Amount: 1.775434

Manual Integration Results

RT: 8.14
Response: 160462
Amount: 1.006599

Reviewer: malaspinar, 10-Oct-2014 09:08:00

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_09.D
 Lims ID: ICRT 200-78475/4-A
 Client ID:
 Sample Type: ICRT Calib Level: 4
 Inject. Date: 09-Oct-2014 19:50:16 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009932-009
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 10-Oct-2014 10:27:57 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK026

First Level Reviewer: malaspinar Date: 10-Oct-2014 09:02:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide							M
1	4.296	4.296	0.000	2464877	1.75	1.73	
2	4.107	4.107	0.000	10124234	1.75	1.57	M
RPD = 9.70							
\$ 2 1-Bromo-3-Chloropropane (Surr)							M
1	6.710	6.710	0.000	556880	1.75	1.72	
2	6.303	6.303	0.000	2274013	1.75	1.74	M
RPD = 0.75							
1 1,2,3-Trichloropropane							M
1	8.140	8.140	0.000	283313	1.75	1.78	M
2	7.870	7.870	0.000	1154162	1.75	1.76	
RPD = 0.77							
4 1,2-Dibromo-3-Chloropropane							
1	11.316	11.316	0.000	4295081	1.75	1.73	
2	11.423	11.423	0.000	16432916	1.75	1.69	
RPD = 2.31							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 350.00

Units: uL

Report Date: 10-Oct-2014 10:27:57

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_09.D

Injection Date: 09-Oct-2014 19:50:16

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: ICRT 200-78475/4-A

Worklist Smp#: 9

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

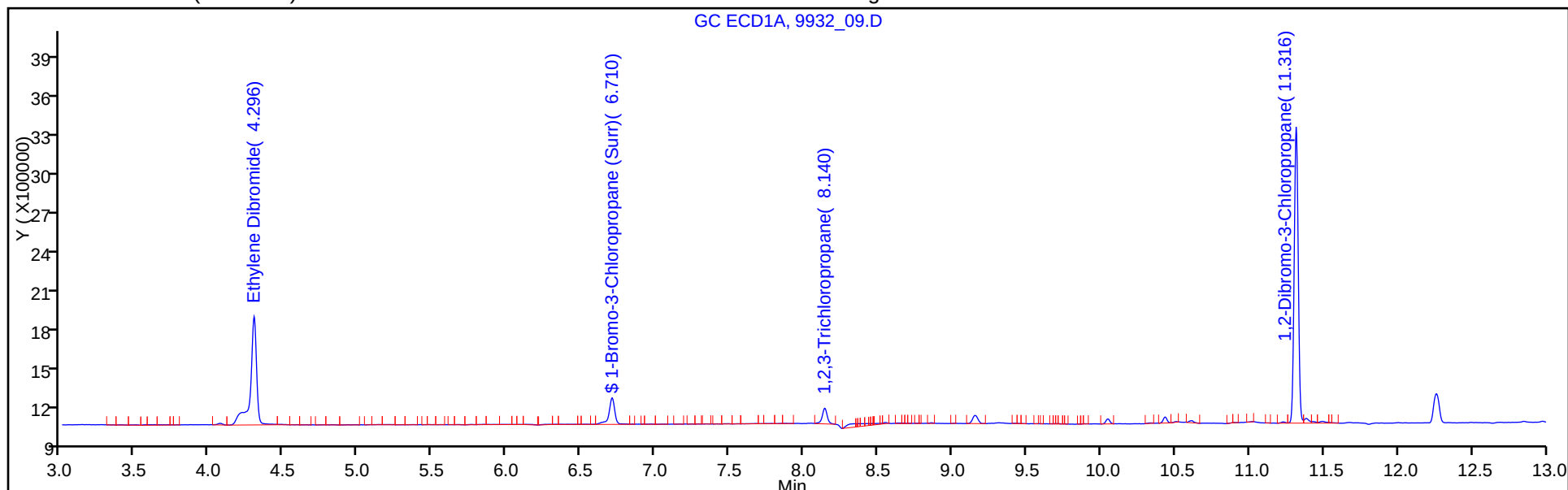
ALS Bottle#: 9

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

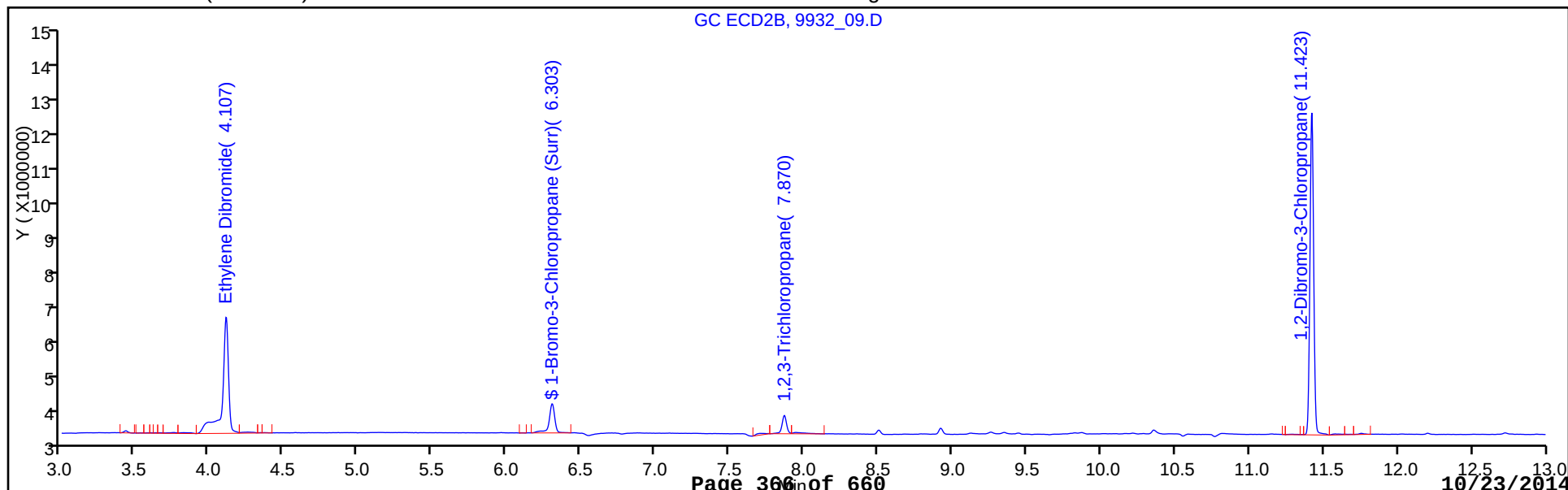
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_09.D

Injection Date: 09-Oct-2014 19:50:16

Instrument ID: CH0911.i

Lims ID: ICRT 200-78475/4-A

Client ID:

Operator ID: RRM

ALS Bottle#:

9

Worklist Smp#: 9

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLP (0.32 mm)

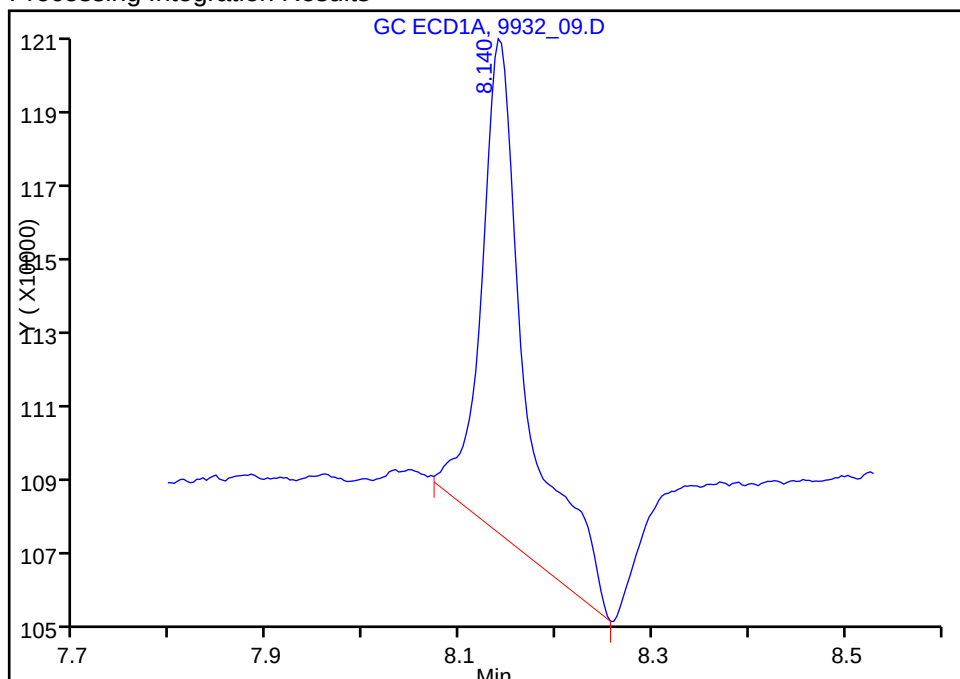
Detector

GC ECD1A

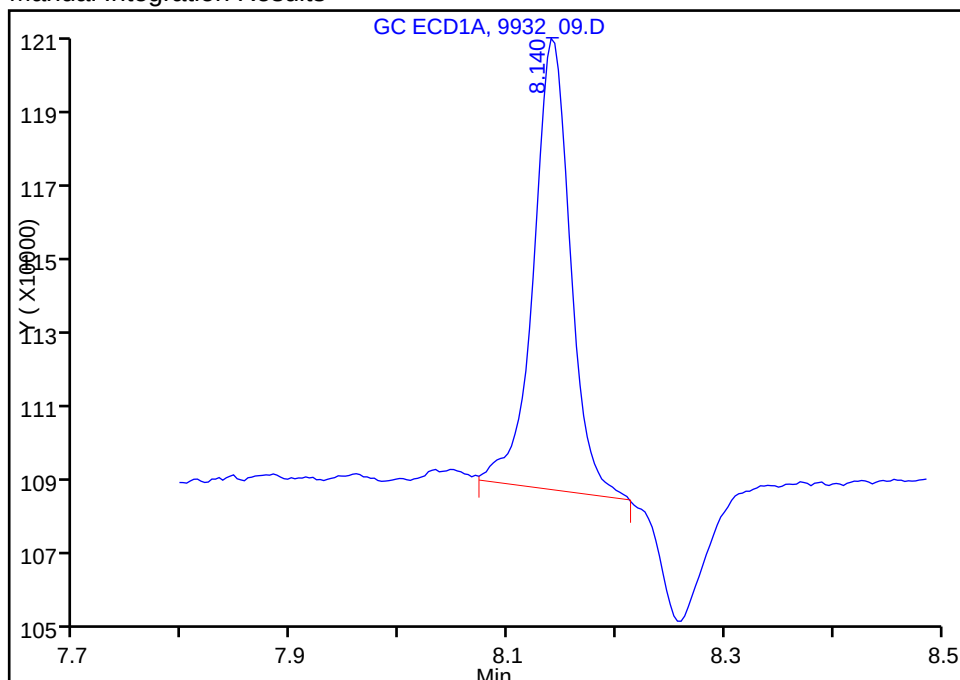
1 1,2,3-Trichloropropane, CAS: 96-18-4

RT: 8.14
Response: 422912
Amount: 1.797614

Processing Integration Results

RT: 8.14
Response: 283313
Amount: 1.777260

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:02:41

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_10.D
 Lims ID: IC 200-78475/5-A
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 09-Oct-2014 20:20:04 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009932-010
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 10-Oct-2014 10:27:58 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK026

First Level Reviewer: malaspinar Date: 10-Oct-2014 09:09:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
-----	--------------	------------------	------------------	----------	-----------------	-------------------	-------

3 Ethylene Dibromide

1	4.296	4.296	0.000	4675554	3.50	3.29	
2	4.106	4.107	-0.001	18873924	3.50	2.93	
RPD = 11.43							

\$ 2 1-Bromo-3-Chloropropane (Surr)

1	6.709	6.710	-0.001	1027624	3.50	3.18	M
2	6.303	6.303	0.000	4280425	3.50	3.27	M
RPD = 2.73							

1 1,2,3-Trichloropropane

1	8.139	8.140	-0.001	526347	3.50	3.30	M
2	7.870	7.870	0.000	2171674	3.50	3.32	
RPD = 0.50							

4 1,2-Dibromo-3-Chloropropane

1	11.316	11.316	0.000	8349531	3.50	3.36	
2	11.423	11.423	0.000	31691682	3.50	3.25	
RPD = 3.10							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 700.00

Units: uL

Report Date: 10-Oct-2014 10:27:58

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_10.D

Injection Date: 09-Oct-2014 20:20:04

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: IC 200-78475/5-A

Worklist Smp#: 10

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

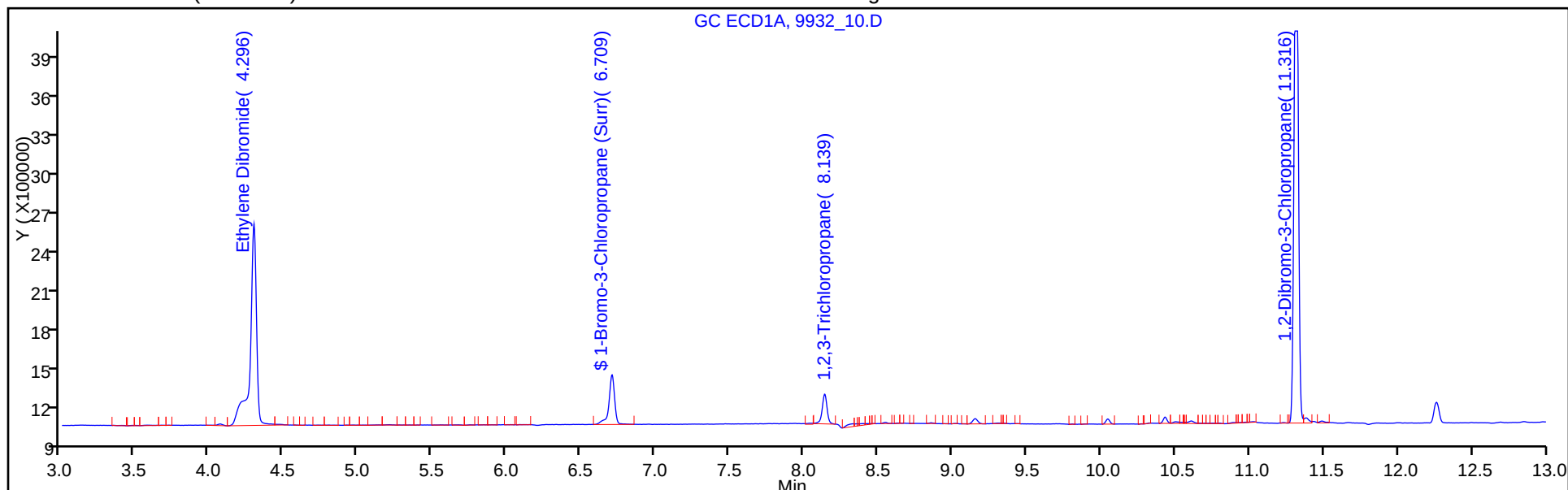
ALS Bottle#: 10

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

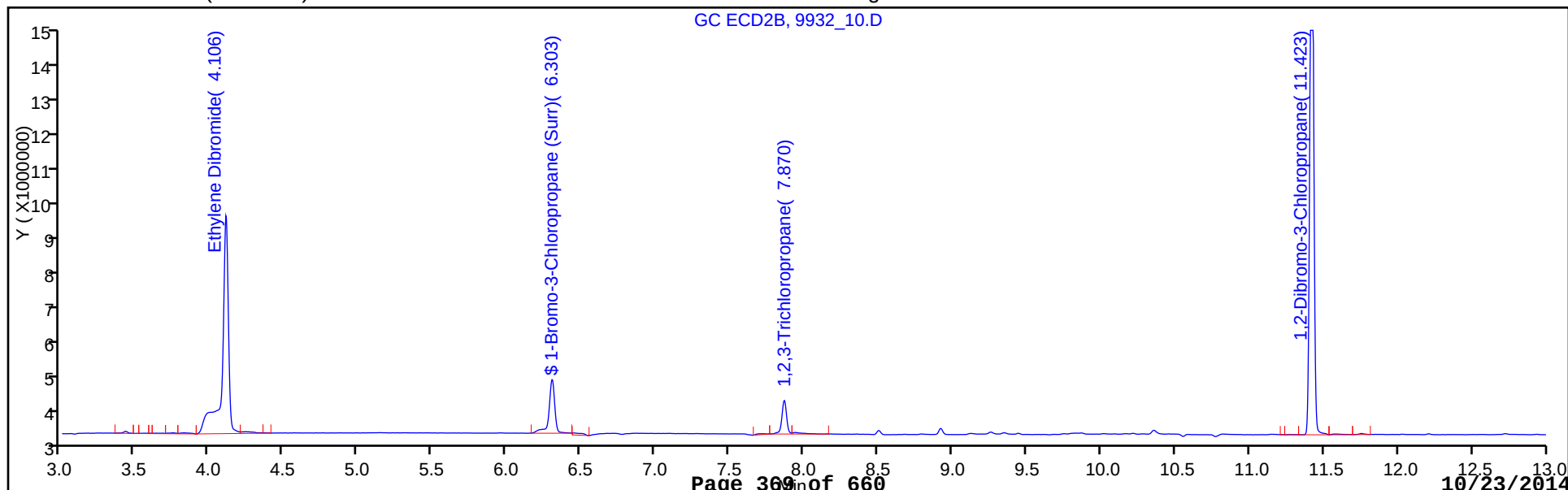
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_10.D

Injection Date: 09-Oct-2014 20:20:04

Instrument ID: CH0911.i

Lims ID: IC 200-78475/5-A

Client ID:

Operator ID: RRM

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

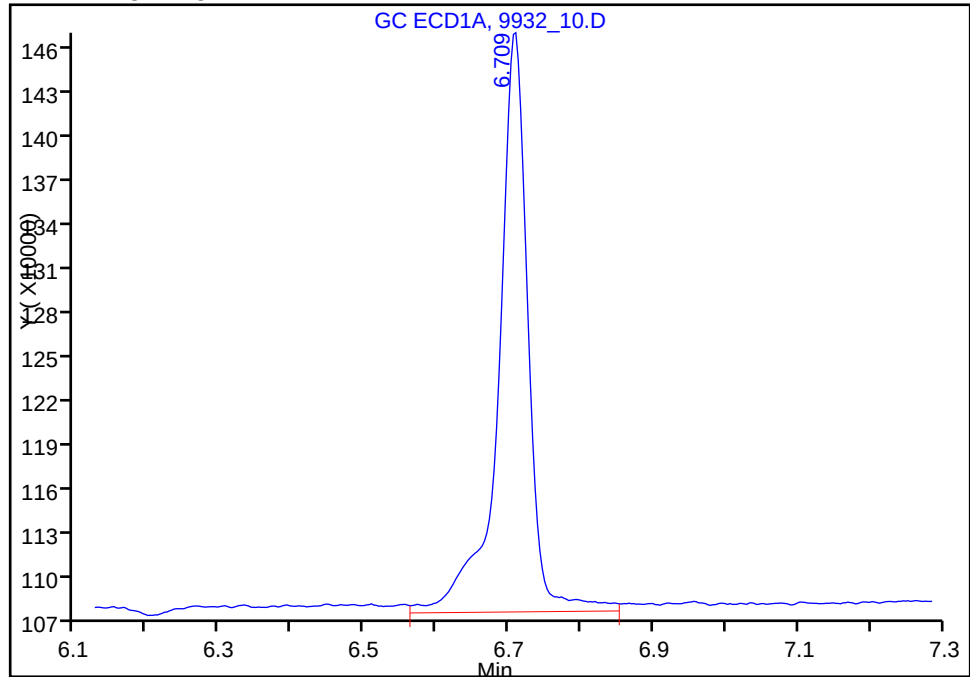
Column: RTX-CLP (0.32 mm)

Detector: GC ECD1A

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

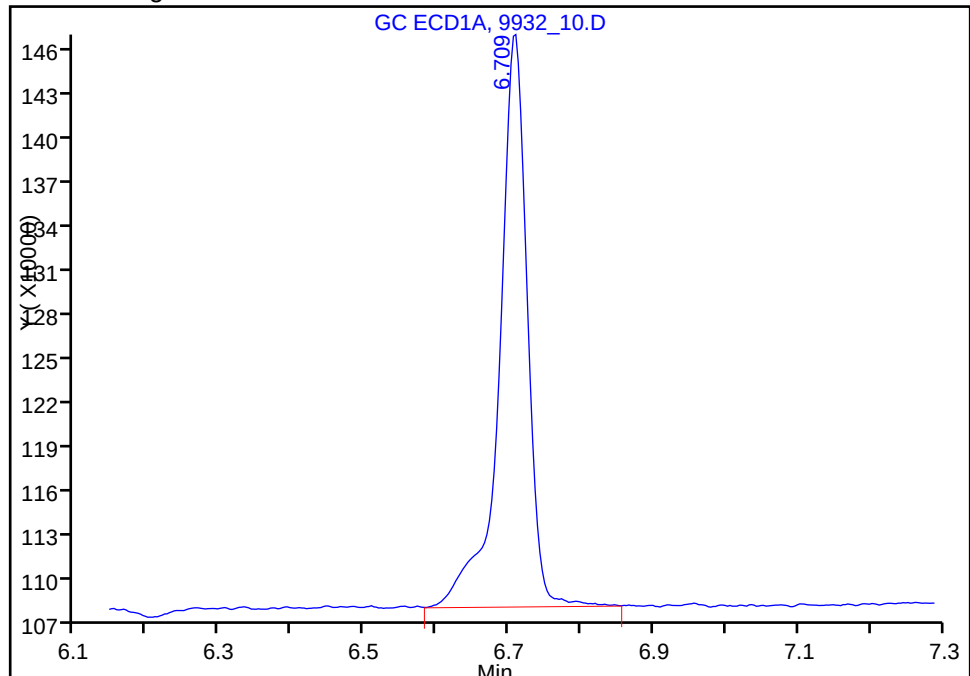
Processing Integration Results

RT: 6.71
Response: 1106028
Amount: 3.383447



Manual Integration Results

RT: 6.71
Response: 1027624
Amount: 3.179920



Reviewer: malaspinar, 10-Oct-2014 09:09:33

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_10.D

Injection Date: 09-Oct-2014 20:20:04

Instrument ID: CH0911.i

Lims ID: IC 200-78475/5-A

Client ID:

Operator ID: RRM

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

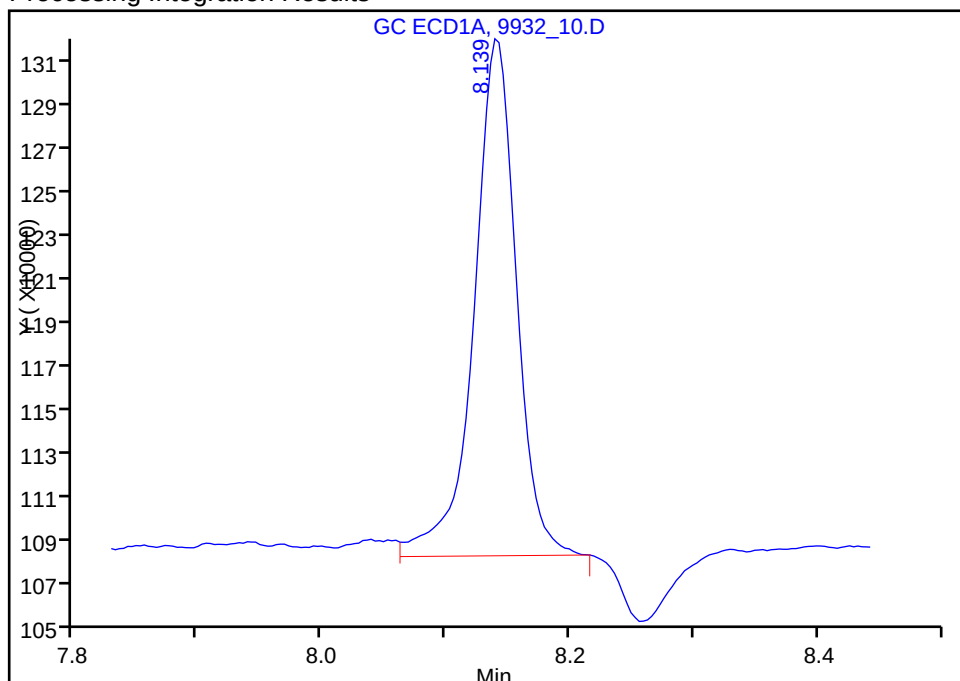
Column: RTX-CLP (0.32 mm)

Detector: GC ECD1A

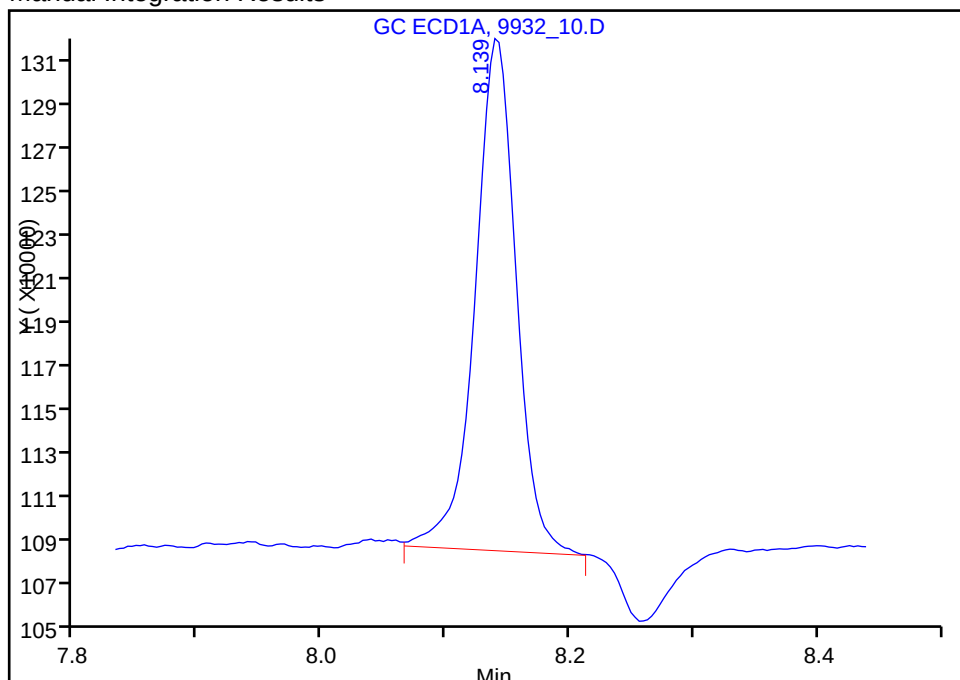
1 1,2,3-Trichloropropane, CAS: 96-18-4

RT: 8.14
Response: 547008
Amount: 3.202504

Processing Integration Results

RT: 8.14
Response: 526347
Amount: 3.301845

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:09:33

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Lims ID: IC 200-78475/6-A
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 09-Oct-2014 20:49:54 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009932-011
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 10-Oct-2014 10:27:58 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK026

First Level Reviewer: malaspinar Date: 10-Oct-2014 09:10:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

1	4.298	4.296	0.002	5782994	4.38	4.07	
2	4.108	4.107	0.001	23079905	4.38	3.59	
RPD = 12.57							

\$ 2 1-Bromo-3-Chloropropane (Surr) M

1	6.708	6.710	-0.002	1299482	4.38	4.02	
2	6.305	6.303	0.002	5280394	4.38	4.03	M
RPD = 0.26							

1 1,2,3-Trichloropropane M

1	8.141	8.140	0.001	675592	4.38	4.24	M
2	7.868	7.870	-0.002	2676970	4.38	4.09	M
RPD = 3.54							

4 1,2-Dibromo-3-Chloropropane

1	11.318	11.316	0.002	10764591	4.38	4.33	
2	11.422	11.423	-0.001	40604391	4.38	4.17	
RPD = 3.73							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 875.00

Units: uL

Report Date: 10-Oct-2014 10:27:58

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D

Injection Date: 09-Oct-2014 20:49:54

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: IC 200-78475/6-A

Worklist Smp#: 11

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

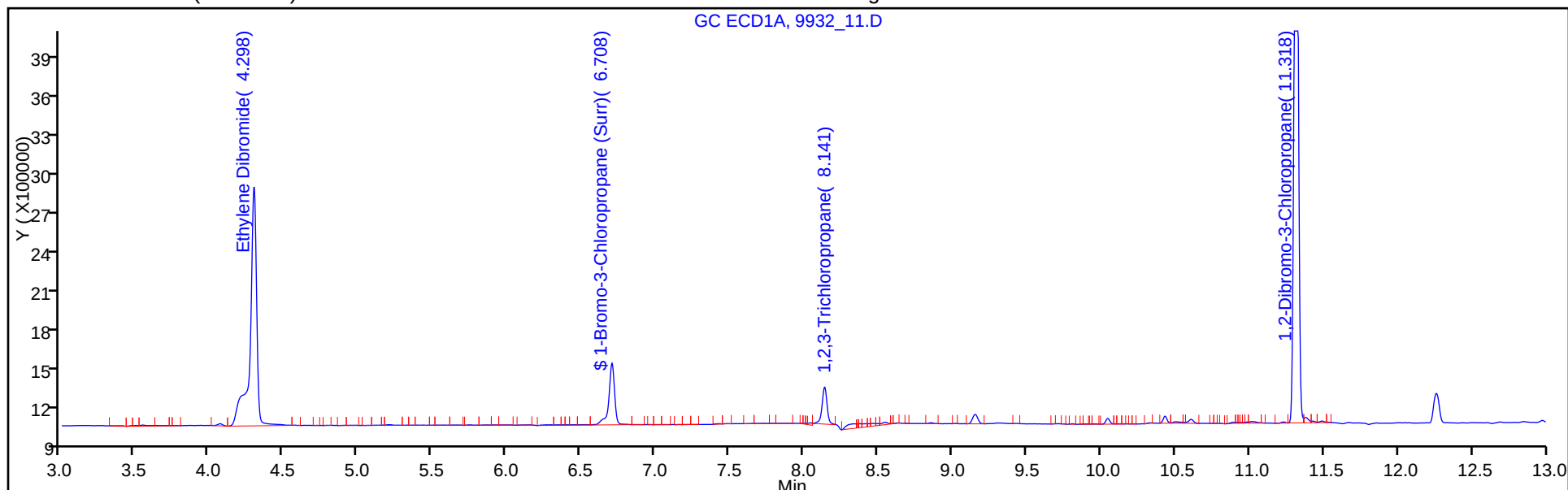
ALS Bottle#: 11

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

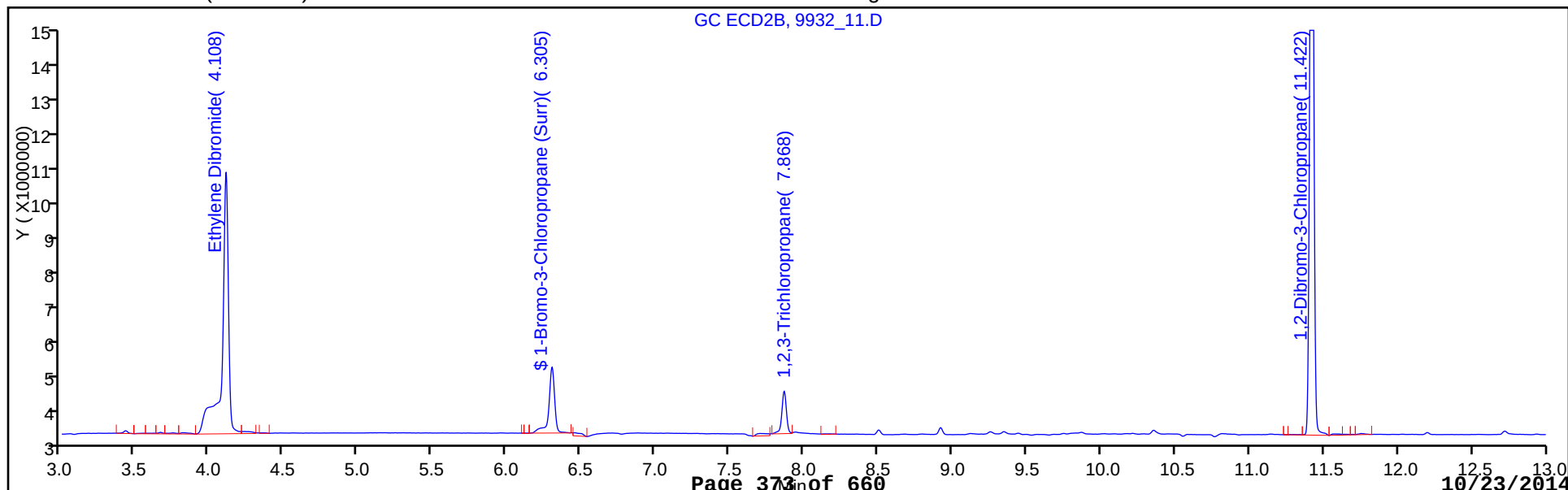
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D

Injection Date: 09-Oct-2014 20:49:54

Instrument ID: CH0911.i

Lims ID: IC 200-78475/6-A

Client ID:

Operator ID: RRM

ALS Bottle#:

11

Worklist Smp#: 11

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLP (0.32 mm)

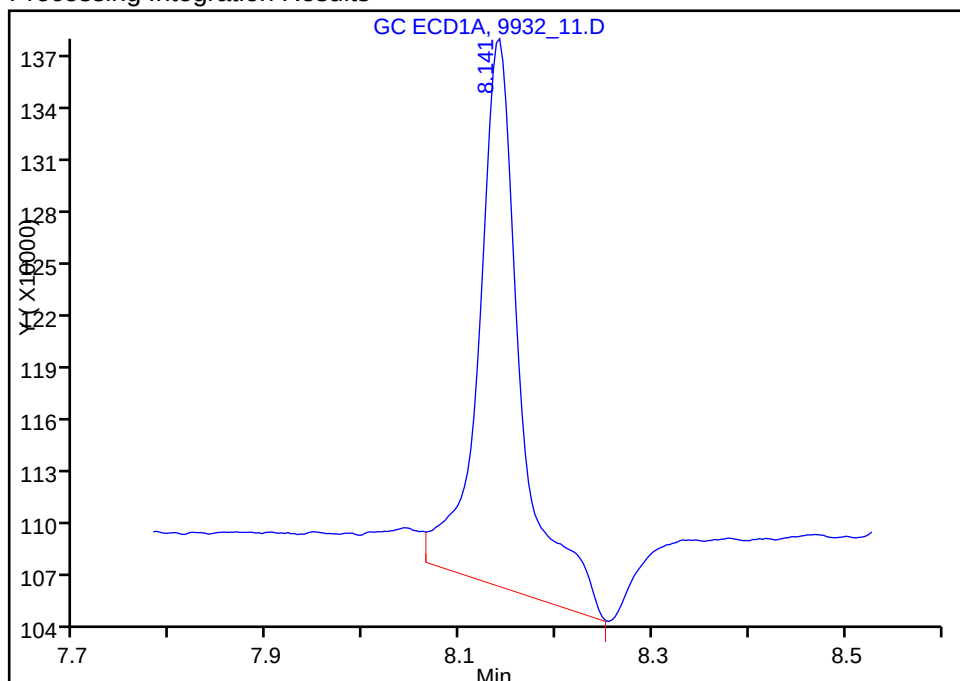
Detector

GC ECD1A

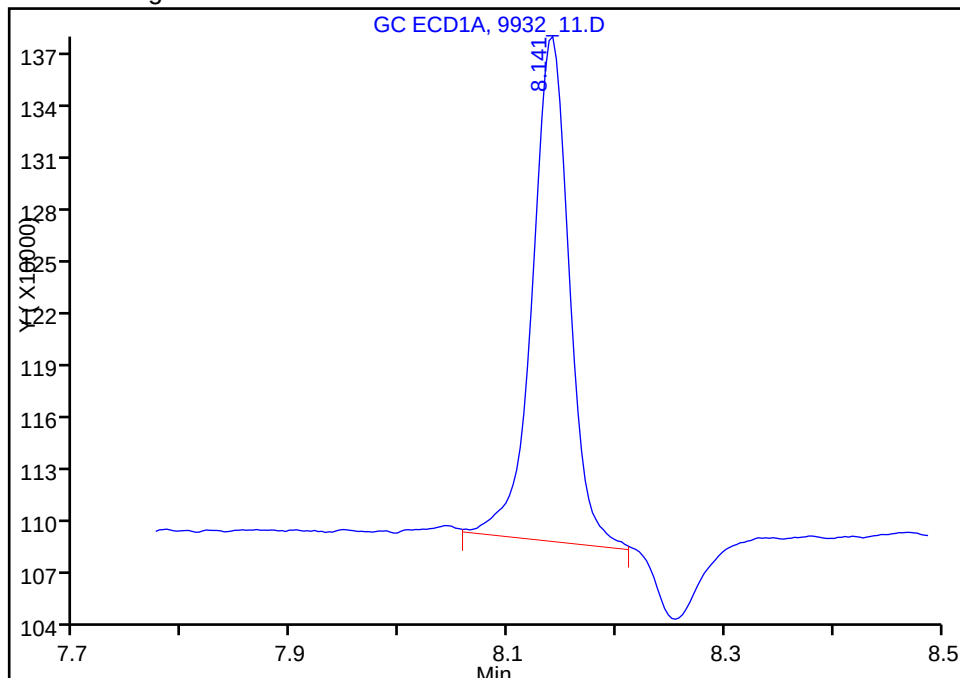
1 1,2,3-Trichloropropane, CAS: 96-18-4

RT: 8.14
Response: 933939
Amount: 5.499501

Processing Integration Results

RT: 8.14
Response: 675592
Amount: 4.238079

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:10:25

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 78477

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i GC Column: RTX-CLPII ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2014 18:20 Calibration End Date: 10/09/2014 20:49 Calibration ID: 28150

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-78475/1-A	9932_06.D
Level 2	IC 200-78475/2-A	9932_07.D
Level 3	IC 200-78475/3-A	9932_08.D
Level 4	ICRT 200-78475/4-A	9932_09.D
Level 5	IC 200-78475/5-A	9932_10.D
Level 6	IC 200-78475/6-A	9932_11.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
1,2-Dibromoethane	4.109	4.109	4.108	4.107	4.106	4.108					4.057 - 4.157	4.108
1,2,3-Trichloropropane	++++	7.869	7.868	7.870	7.870	7.868					7.820 - 7.920	7.869
1,2-Dibromo-3-Chloropropane	11.423	11.422	11.422	11.423	11.423	11.422					11.373 - 11.473	11.423
1-Bromo-3-Chloropropane (Surr)	6.306	6.305	6.305	6.303	6.303	6.305					6.253 - 6.353	6.305

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 78477

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i GC Column: RTX-CLPII ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2014 18:20 Calibration End Date: 10/09/2014 20:49 Calibration ID: 28150

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-78475/1-A	9932_06.D
Level 2	IC 200-78475/2-A	9932_07.D
Level 3	IC 200-78475/3-A	9932_08.D
Level 4	ICRT 200-78475/4-A	9932_09.D
Level 5	IC 200-78475/5-A	9932_10.D
Level 6	IC 200-78475/6-A	9932_11.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
1,2-Dibromoethane	8632429 5392550	7221631 5275407	6285113	5785277	Ave		6432067.71				20.0		20.0			
1,2,3-Trichloropropane	++++ 620478	653314 611879	727014	659521	Ave		654441.257				6.9		20.0			
1,2-Dibromo-3-Chloropropane	10763869 9054766	10237460 9281004	9706150	9390238	Ave		9738914.32				6.7		20.0			
1-Bromo-3-Chloropropane (Surr)	1450703 1222979	1334986 1206947	1343621	1299436	Ave		1309778.49				6.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 78477

SDG No.: A8091390 (200-24551)

Instrument ID: CH0911.i GC Column: RTX-CLPII ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/09/2014 18:20 Calibration End Date: 10/09/2014 20:49 Calibration ID: 28150

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-78475/1-A	9932_06.D
Level 2	IC 200-78475/2-A	9932_07.D
Level 3	IC 200-78475/3-A	9932_08.D
Level 4	ICRT 200-78475/4-A	9932_09.D
Level 5	IC 200-78475/5-A	9932_10.D
Level 6	IC 200-78475/6-A	9932_11.D

ANALYTE	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-Dibromoethane	Ave	1510675 23079905	2527571	5499474	10124234	18873924	0.175 4.38	0.350	0.875	1.75	3.50
1,2,3-Trichloropropane	Ave	++++ 2676970	228660	636137	1154162	2171674	++++ 4.38	0.350	0.875	1.75	3.50
1,2-Dibromo-3-Chloropropane	Ave	1883677 40604391	3583111	8492881	16432916	31691682	0.175 4.38	0.350	0.875	1.75	3.50
1-Bromo-3-Chloropropane (Surr)	Ave	253873 5280394	467245	1175668	2274013	4280425	0.175 4.38	0.350	0.875	1.75	3.50

Curve Type Legend:

Ave = Average

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_06.D
 Lims ID: IC 200-78475/1-A
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Oct-2014 18:20:59 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009932-006
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 10-Oct-2014 10:27:54 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK026

First Level Reviewer: malaspinar Date: 10-Oct-2014 09:05:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide							M
1	4.299	4.296	0.003	267094	0.1750	0.1880	M
2	4.109	4.107	0.002	1510675	0.1750	0.2349	M
RPD = 22.19							
\$ 2 1-Bromo-3-Chloropropane (Surr)							M
1	6.709	6.710	-0.001	63779	0.1750	0.1974	M
2	6.306	6.303	0.003	253873	0.1750	0.1938	M
RPD = 1.81							
1 1,2,3-Trichloropropane							M
1	8.142	8.140	0.002	28496	0.1750	0.1788	
2	7.873	7.870	0.003	135748	0.1750	0.2074	M
RPD = 14.85							
4 1,2-Dibromo-3-Chloropropane							M
1	11.319	11.316	0.003	450555	0.1750	0.1811	
2	11.423	11.423	0.000	1883677	0.1750	0.1934	M
RPD = 6.56							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 35.00

Units: uL

Report Date: 10-Oct-2014 10:27:55

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_06.D

Injection Date: 09-Oct-2014 18:20:59

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: IC 200-78475/1-A

Worklist Smp#: 6

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

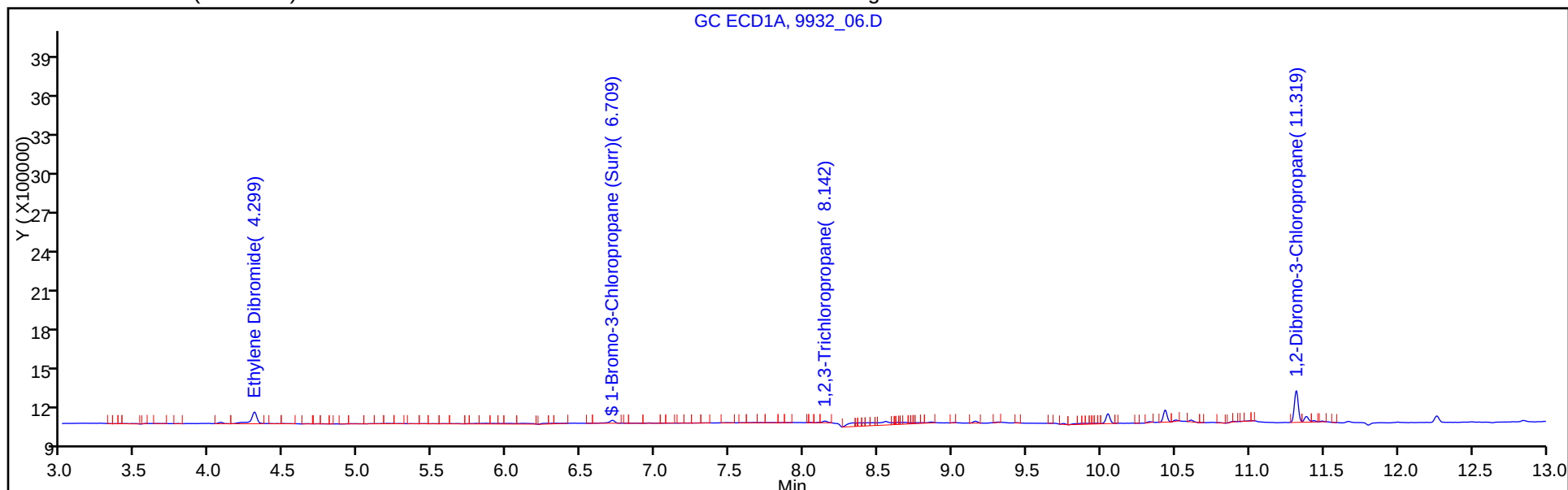
ALS Bottle#: 6

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

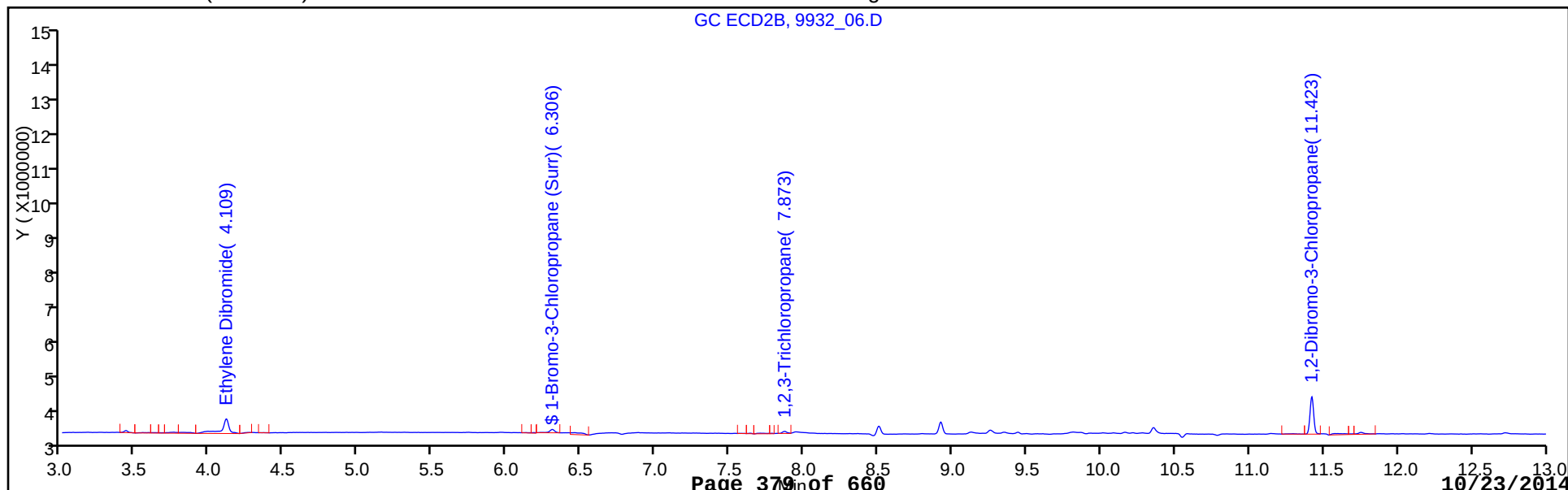
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_06.D

Injection Date: 09-Oct-2014 18:20:59

Instrument ID: CH0911.i

Lims ID: IC 200-78475/1-A

Client ID:

Operator ID: RRM

ALS Bottle#: 6

Worklist Smp#: 6

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

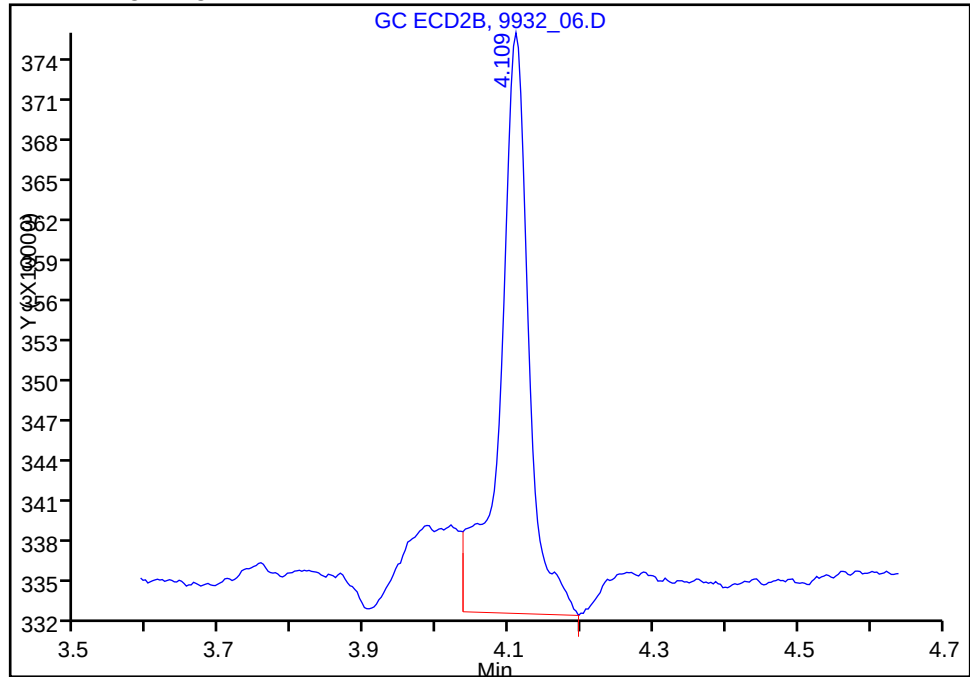
Column: RTX-CLPII (0.32 mm)

Detector: GC ECD2B

3 Ethylene Dibromide, CAS: 106-93-4

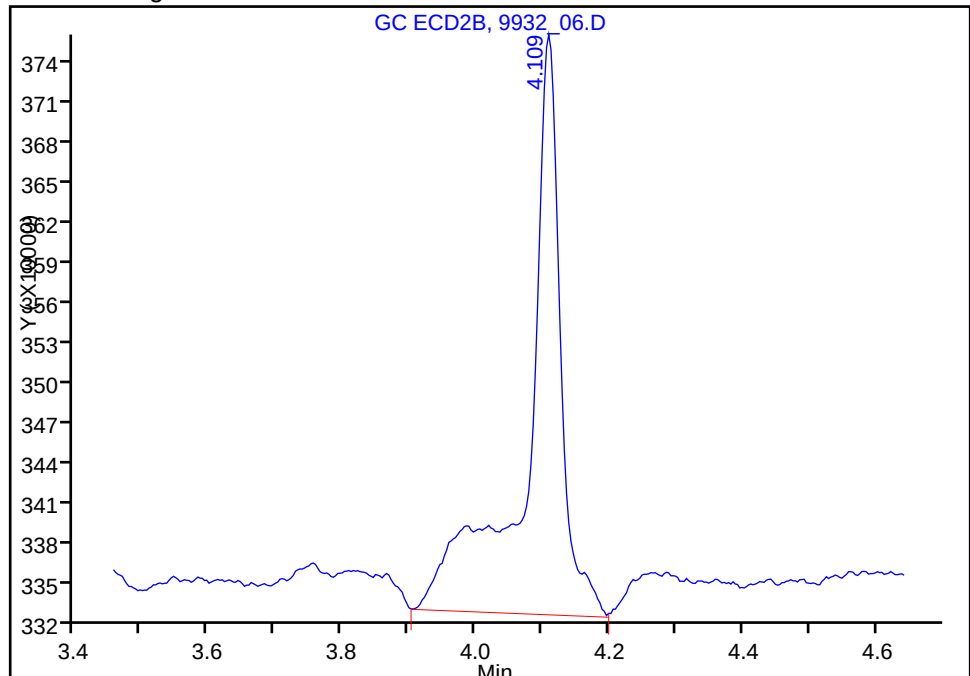
RT: 4.11
Response: 1165456
Amount: 0.197367

Processing Integration Results



RT: 4.11
Response: 1510675
Amount: 0.234866

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:05:14

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_06.D

Injection Date: 09-Oct-2014 18:20:59

Instrument ID: CH0911.i

Lims ID: IC 200-78475/1-A

Client ID:

Operator ID: RRM

ALS Bottle#:

6

Worklist Smp#: 6

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

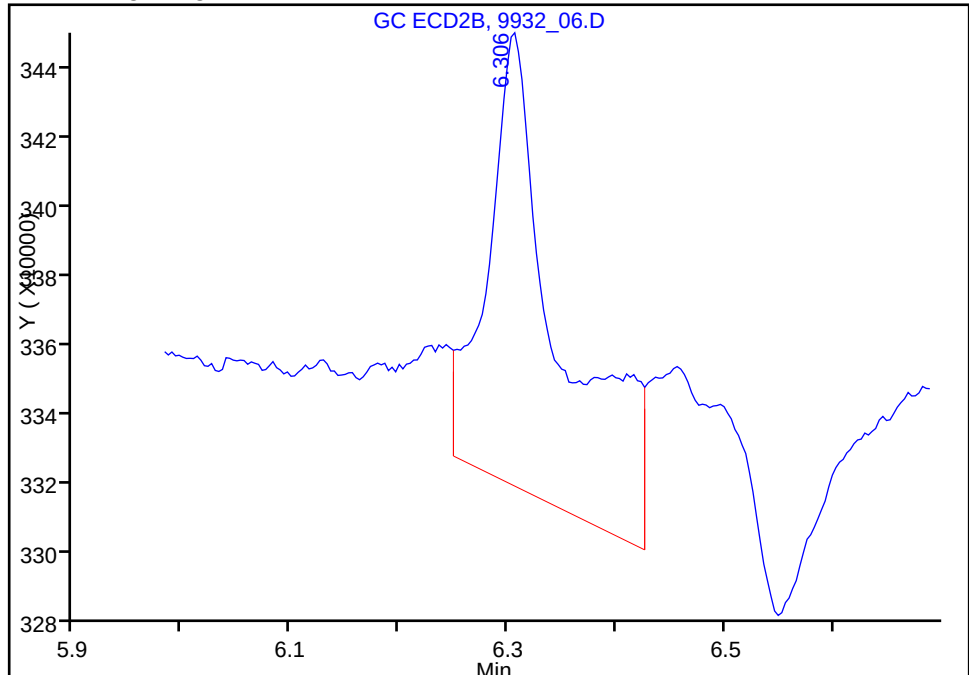
Column: RTX-CLPII (0.32 mm)

Detector

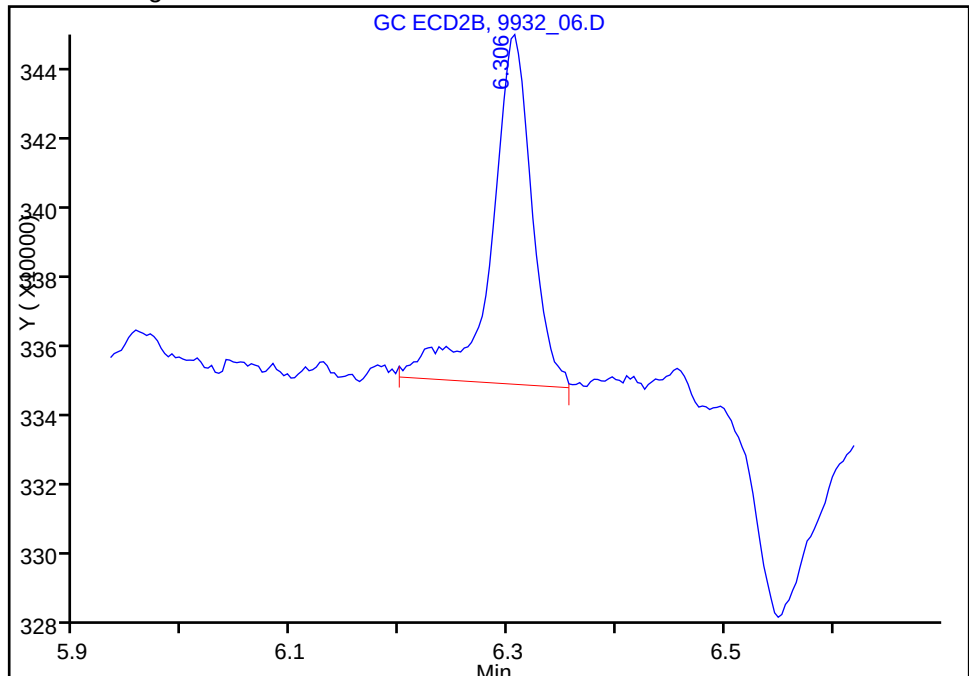
GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.31
Response: 594997
Amount: 0.352393

Manual Integration Results

RT: 6.31
Response: 253873
Amount: 0.193829

Reviewer: malaspinar, 10-Oct-2014 09:05:14

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_06.D

Injection Date: 09-Oct-2014 18:20:59

Instrument ID: CH0911.i

Lims ID: IC 200-78475/1-A

Client ID:

Operator ID: RRM

ALS Bottle#:

6

Worklist Smp#: 6

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLPII (0.32 mm)

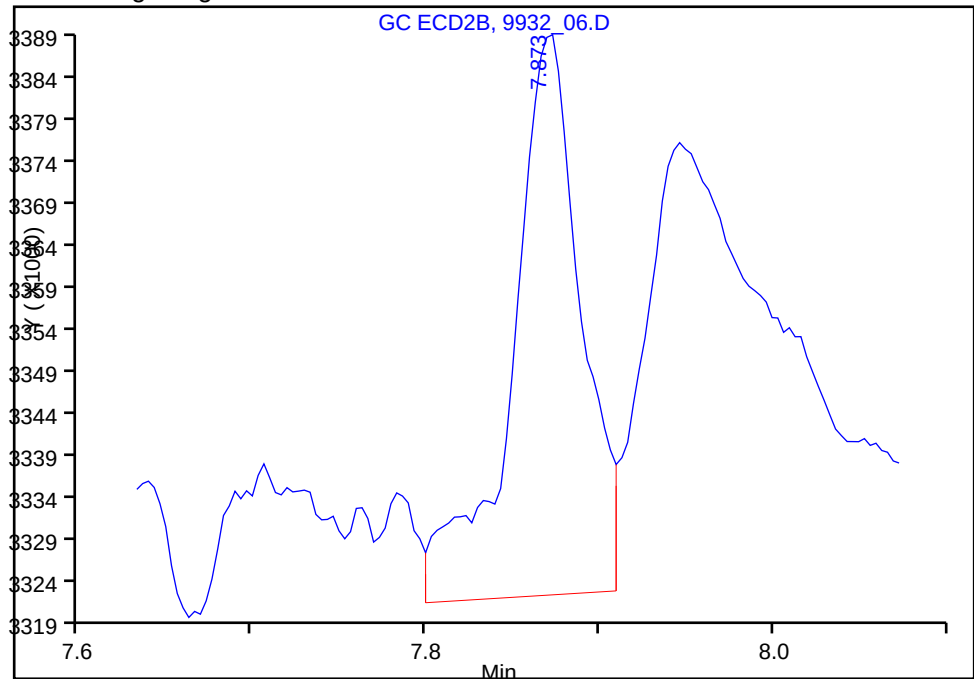
Detector

GC ECD2B

1 1,2,3-Trichloropropane, CAS: 96-18-4

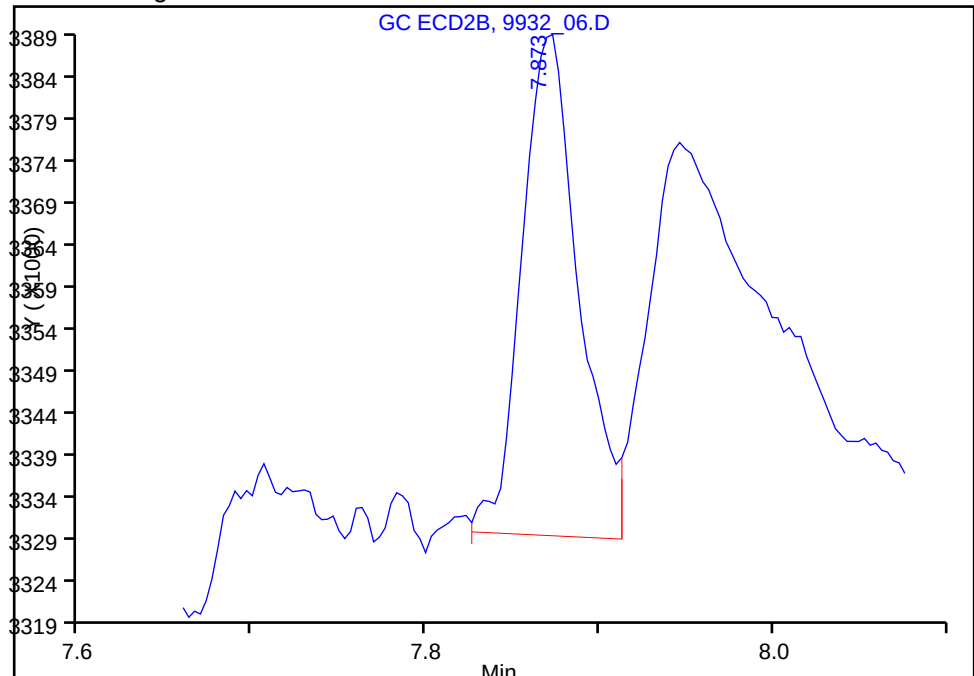
RT: 7.87
Response: 183699
Amount: 0.217220

Processing Integration Results



RT: 7.87
Response: 135748
Amount: 0.207426

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:05:14

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_06.D

Injection Date: 09-Oct-2014 18:20:59

Instrument ID: CH0911.i

Lims ID: IC 200-78475/1-A

Client ID:

Operator ID: RRM

ALS Bottle#:

6

Worklist Smp#: 6

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLPII (0.32 mm)

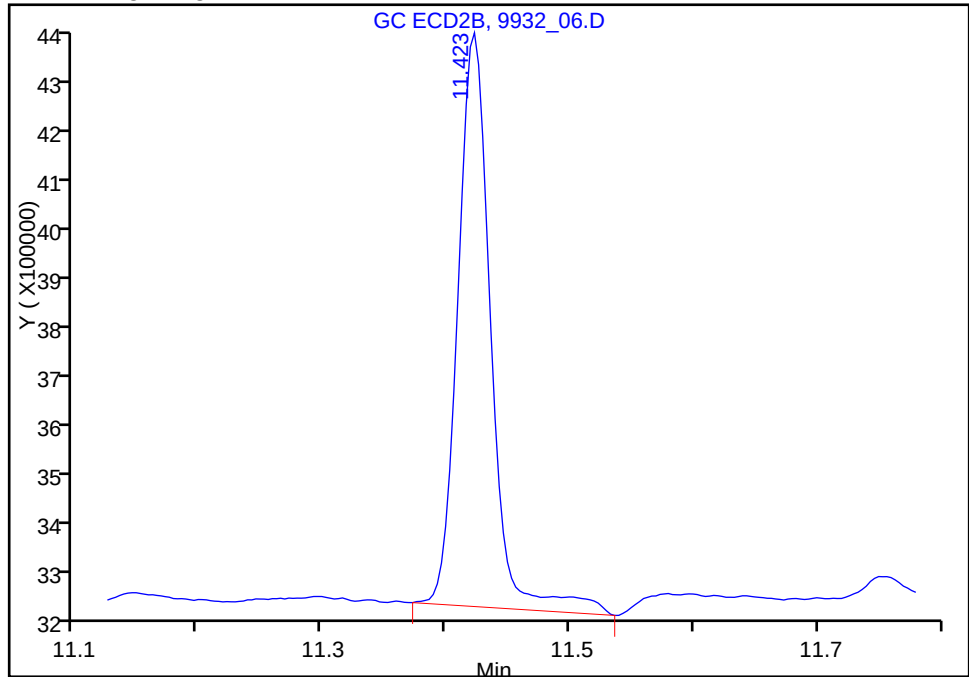
Detector

GC ECD2B

4 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

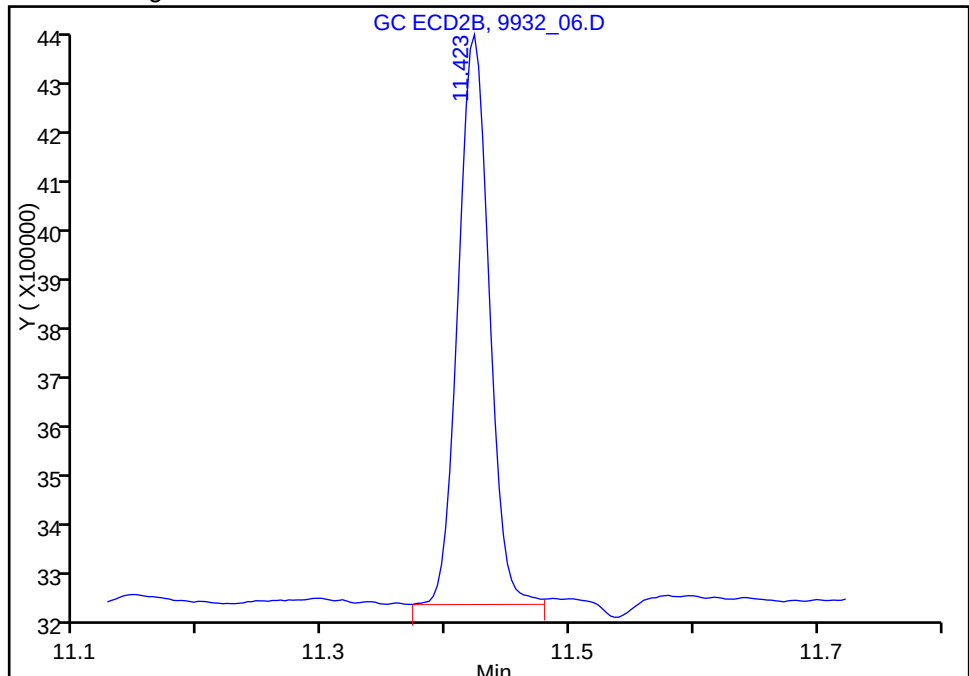
RT: 11.42
Response: 2011907
Amount: 0.202462

Processing Integration Results



RT: 11.42
Response: 1883677
Amount: 0.193418

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:05:14

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_07.D
 Lims ID: IC 200-78475/2-A
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 09-Oct-2014 18:50:46 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009932-007
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 10-Oct-2014 10:27:55 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK026

First Level Reviewer: malaspinar Date: 10-Oct-2014 09:07:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide							M
1	4.298	4.296	0.002	515664	0.3500	0.3629	M
2	4.109	4.107	0.002	2527571	0.3500	0.3930	M
RPD = 7.96							
\$ 2 1-Bromo-3-Chloropropane (Surr)							M
1	6.708	6.710	-0.002	117359	0.3500	0.3632	M
2	6.305	6.303	0.002	467245	0.3500	0.3567	M
RPD = 1.78							
1 1,2,3-Trichloropropane							M
1	8.142	8.140	0.002	51438	0.3500	0.3227	M
2	7.869	7.870	-0.001	228660	0.3500	0.3494	M
RPD = 7.95							
4 1,2-Dibromo-3-Chloropropane							M
1	11.318	11.316	0.002	886066	0.3500	0.3562	
2	11.422	11.423	-0.001	3583111	0.3500	0.3679	M
RPD = 3.23							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 70.00

Units: uL

Report Date: 10-Oct-2014 10:27:55

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_07.D

Injection Date: 09-Oct-2014 18:50:46

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: IC 200-78475/2-A

Worklist Smp#: 7

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

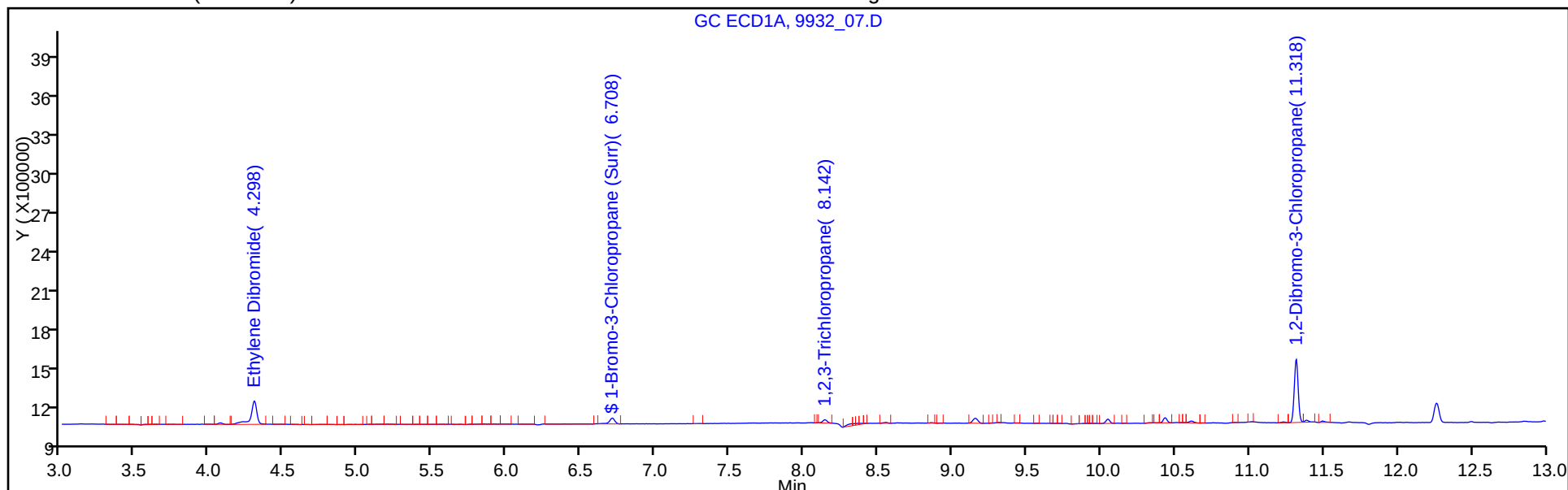
ALS Bottle#: 7

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

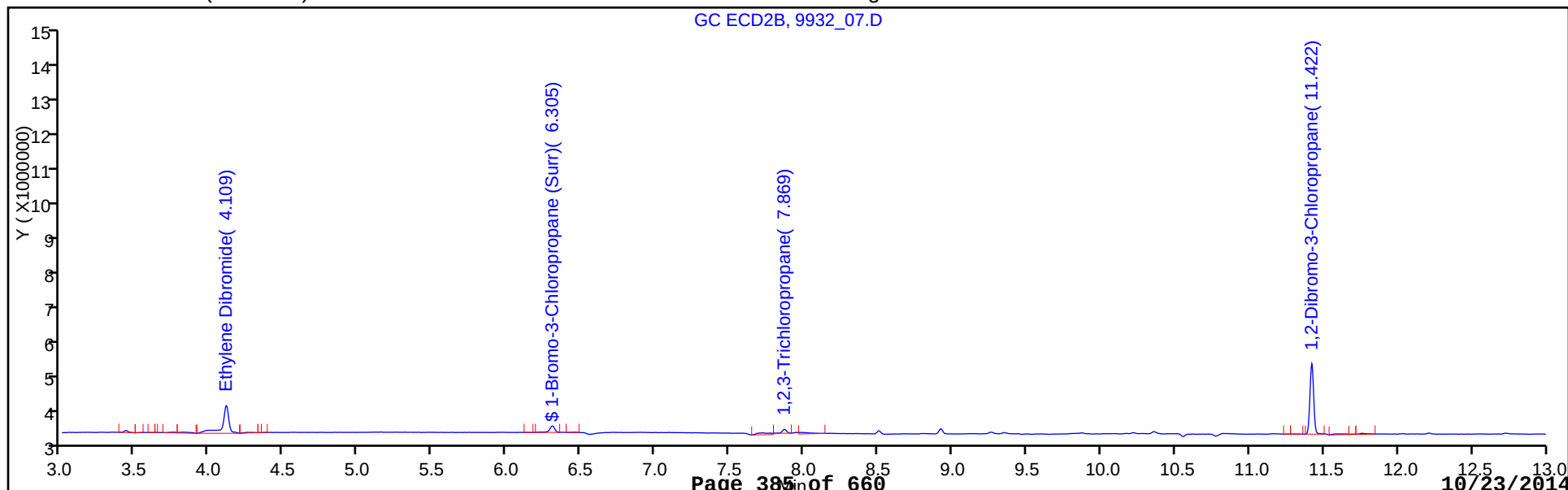
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_07.D

Injection Date: 09-Oct-2014 18:50:46

Instrument ID: CH0911.i

Lims ID: IC 200-78475/2-A

Client ID:

Operator ID: RRM

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

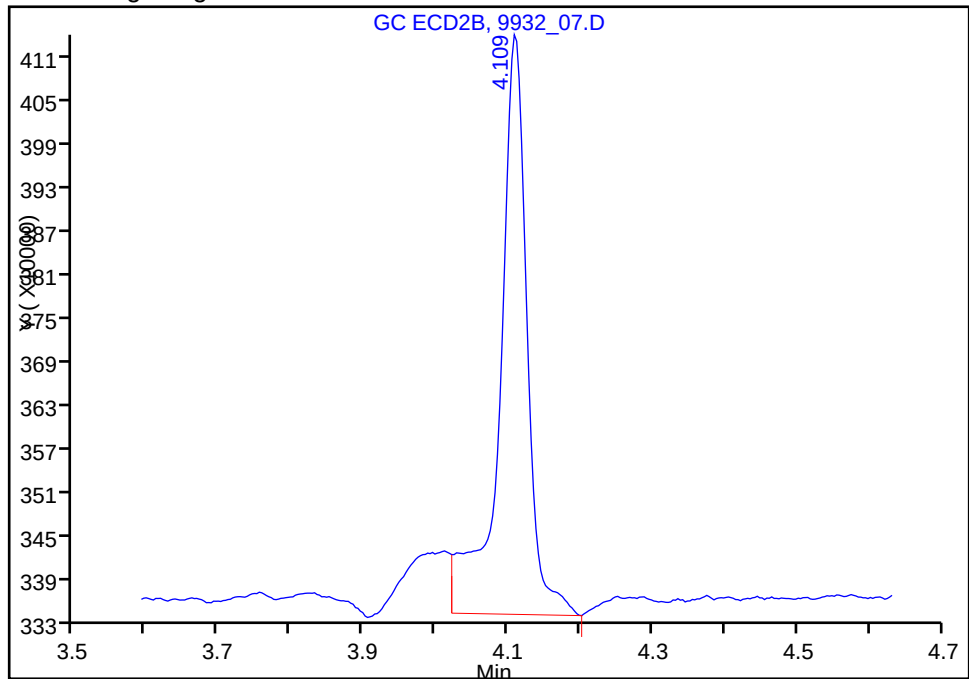
Column: RTX-CLPII (0.32 mm)

Detector: GC ECD2B

3 Ethylene Dibromide, CAS: 106-93-4

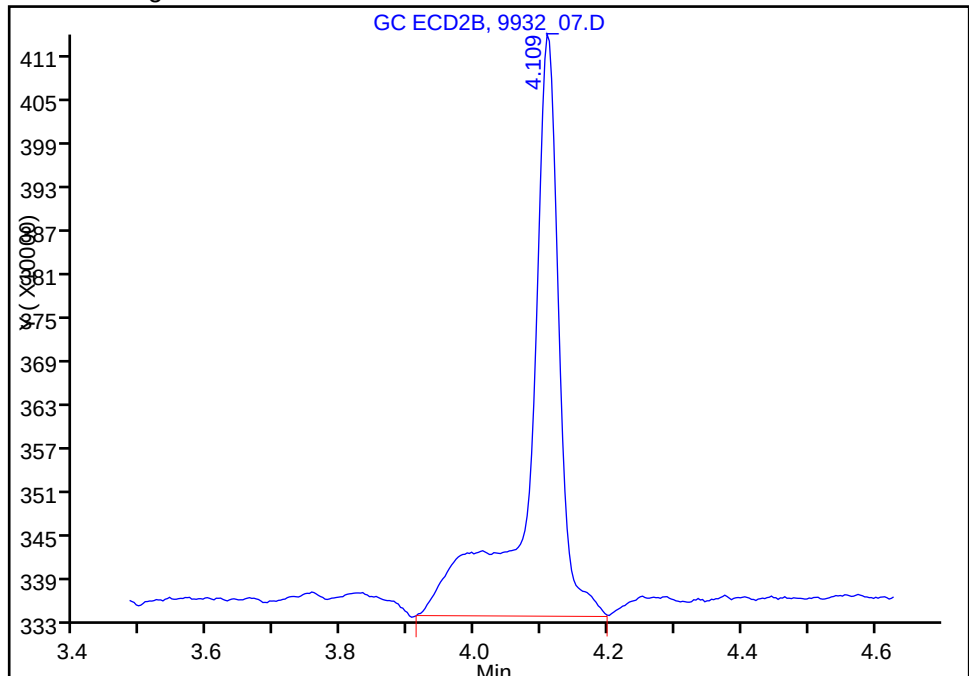
RT: 4.11
Response: 2111236
Amount: 0.338675

Processing Integration Results



RT: 4.11
Response: 2527571
Amount: 0.392964

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:07:02

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_07.D

Injection Date: 09-Oct-2014 18:50:46

Instrument ID: CH0911.i

Lims ID: IC 200-78475/2-A

Client ID:

Operator ID: RRM

ALS Bottle#:

7

Worklist Smp#: 7

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

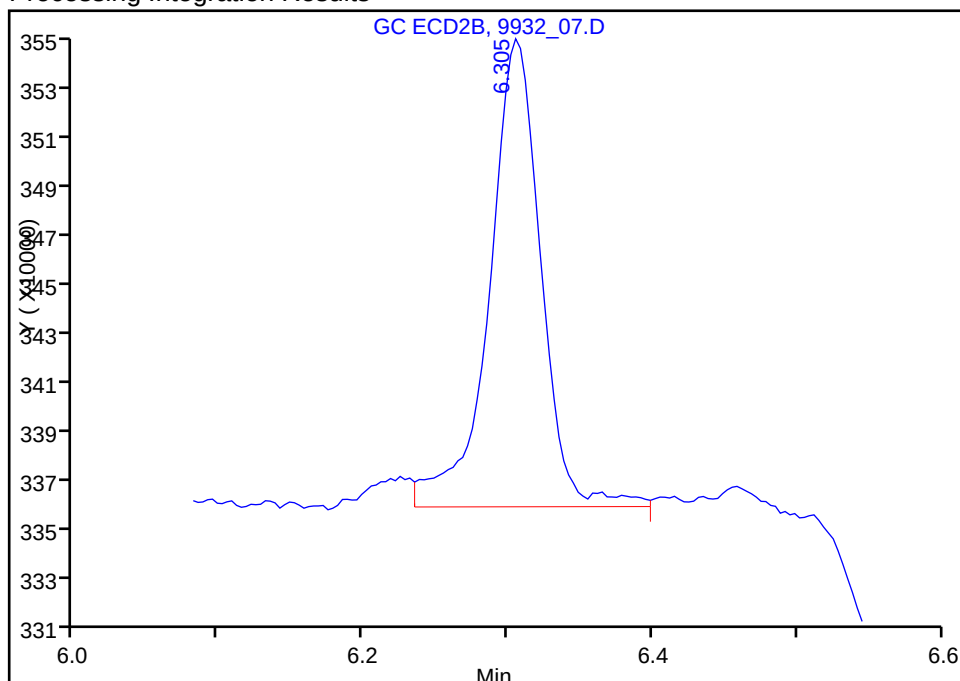
Column: RTX-CLPII (0.32 mm)

Detector

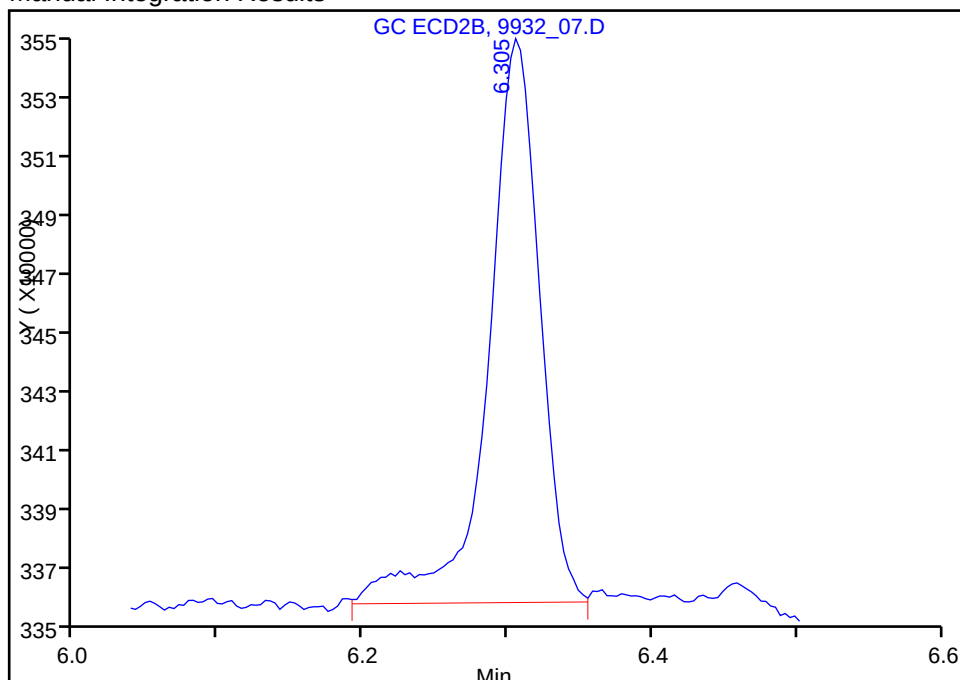
GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.31
Response: 470966
Amount: 0.345392

Manual Integration Results

RT: 6.31
Response: 467245
Amount: 0.356736

Reviewer: malaspinar, 10-Oct-2014 09:07:02

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_07.D

Injection Date: 09-Oct-2014 18:50:46

Instrument ID: CH0911.i

Lims ID: IC 200-78475/2-A

Client ID:

Operator ID: RRM

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

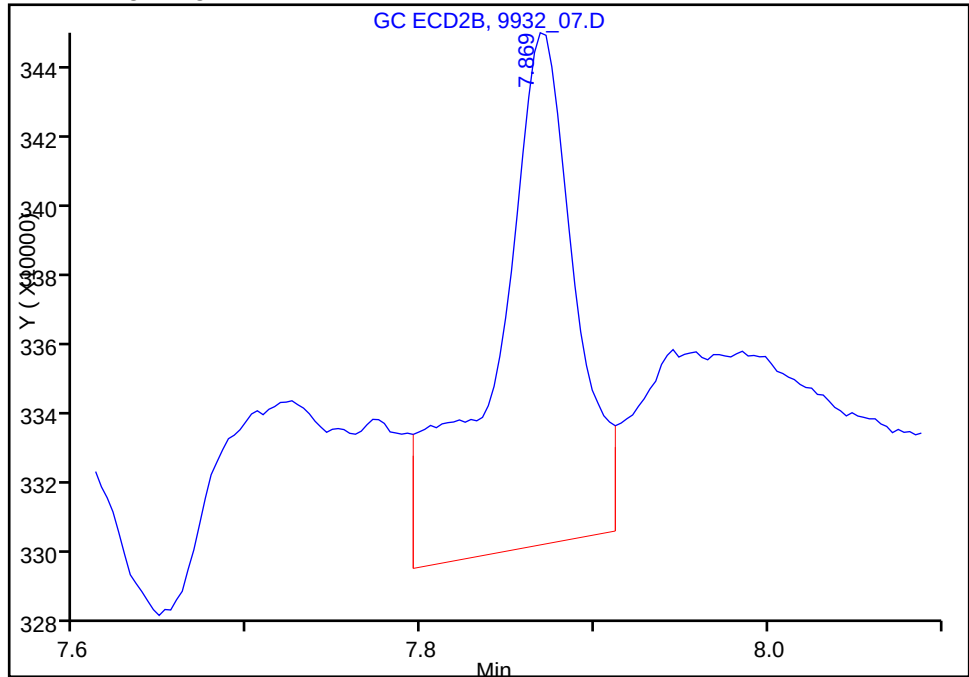
Column: RTX-CLPII (0.32 mm)

Detector: GC ECD2B

1 1,2,3-Trichloropropane, CAS: 96-18-4

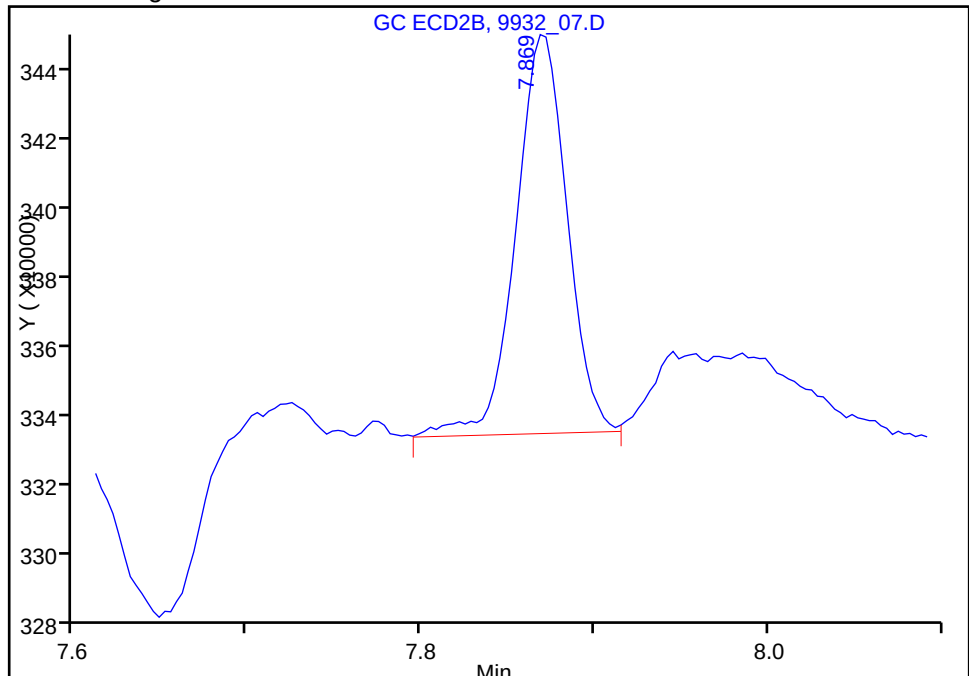
RT: 7.87
Response: 456633
Amount: 0.570782

Processing Integration Results



RT: 7.87
Response: 228660
Amount: 0.349397

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:07:02

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_07.D

Injection Date: 09-Oct-2014 18:50:46

Instrument ID: CH0911.i

Lims ID: IC 200-78475/2-A

Client ID:

Operator ID: RRM

ALS Bottle#:

7

Worklist Smp#: 7

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLPII (0.32 mm)

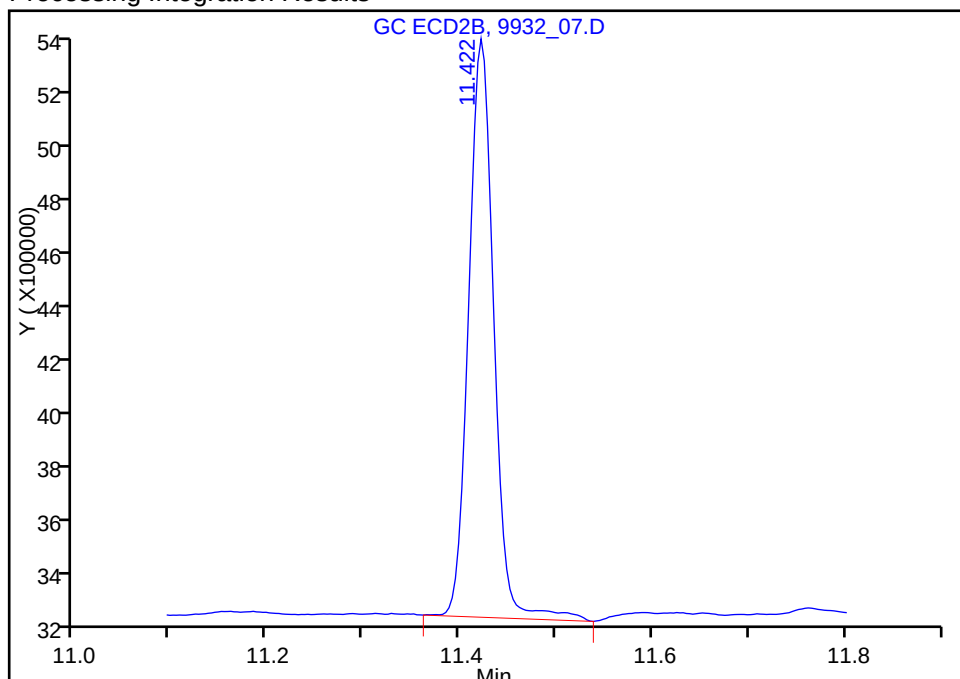
Detector

GC ECD2B

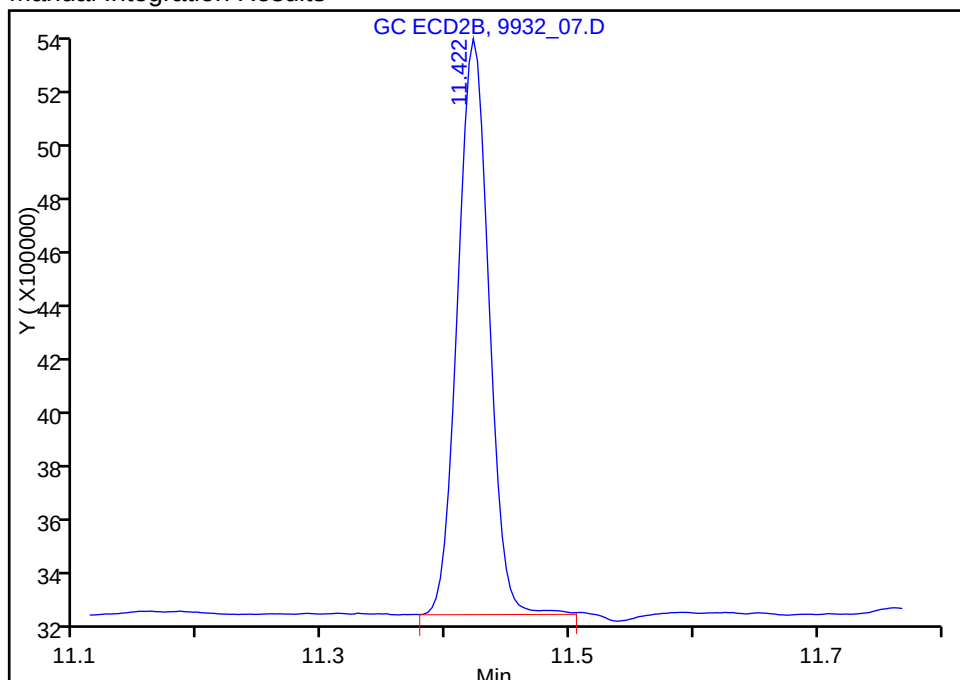
4 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

RT: 11.42
Response: 3705096
Amount: 0.377489

Processing Integration Results

RT: 11.42
Response: 3583111
Amount: 0.367917

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:07:02

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_08.D
 Lims ID: IC 200-78475/3-A
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 09-Oct-2014 19:20:29 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009932-008
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 10-Oct-2014 10:27:56 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK026

First Level Reviewer: malaspinar Date: 10-Oct-2014 09:08:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

1	4.298	4.296	0.002	1278061	0.8750	0.8994	
2	4.108	4.107	0.001	5499474	0.8750	0.8550	
RPD = 5.06							

\$ 2 1-Bromo-3-Chloropropane (Surr) M

1	6.708	6.710	-0.002	289057	0.8750	0.8945	
2	6.305	6.303	0.002	1175668	0.8750	0.8976	M
RPD = 0.35							

1 1,2,3-Trichloropropane M

1	8.141	8.140	0.001	160462	0.8750	1.01	M
2	7.868	7.870	-0.002	636137	0.8750	0.9720	
RPD = 3.49							

4 1,2-Dibromo-3-Chloropropane M

1	11.318	11.316	0.002	2203072	0.8750	0.8857	
2	11.422	11.423	-0.001	8492881	0.8750	0.8721	M
RPD = 1.55							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 175.00

Units: uL

Report Date: 10-Oct-2014 10:27:56

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_08.D

Injection Date: 09-Oct-2014 19:20:29

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: IC 200-78475/3-A

Worklist Smp#: 8

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

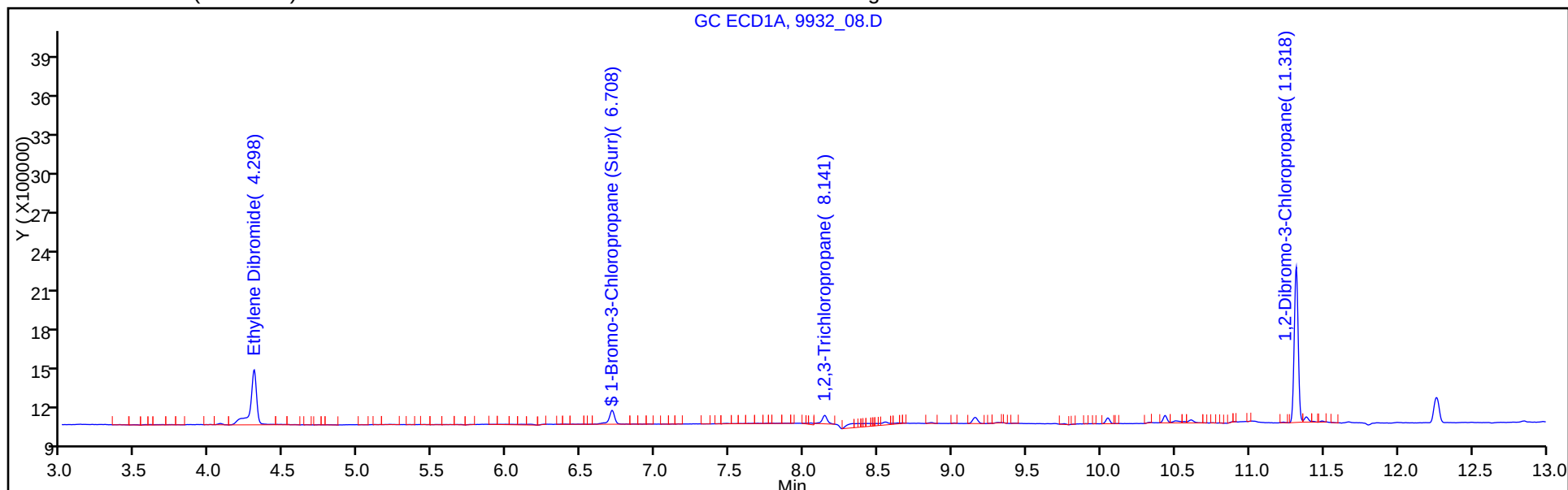
ALS Bottle#: 8

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

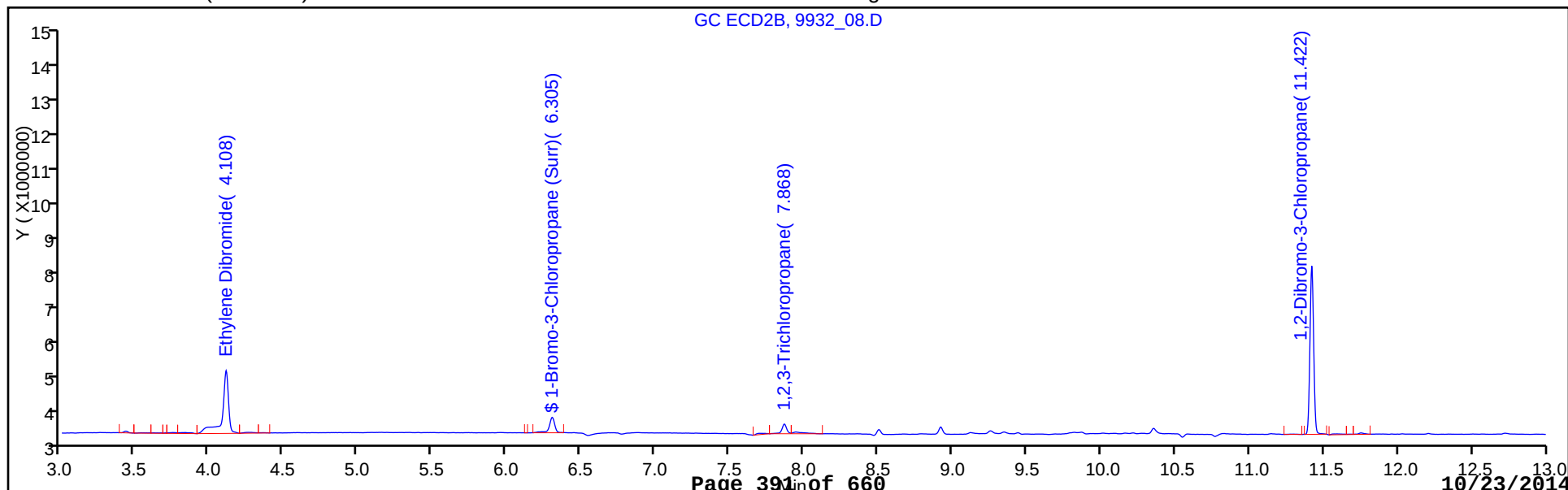
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_08.D

Injection Date: 09-Oct-2014 19:20:29

Instrument ID: CH0911.i

Lims ID: IC 200-78475/3-A

Client ID:

Operator ID: RRM

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

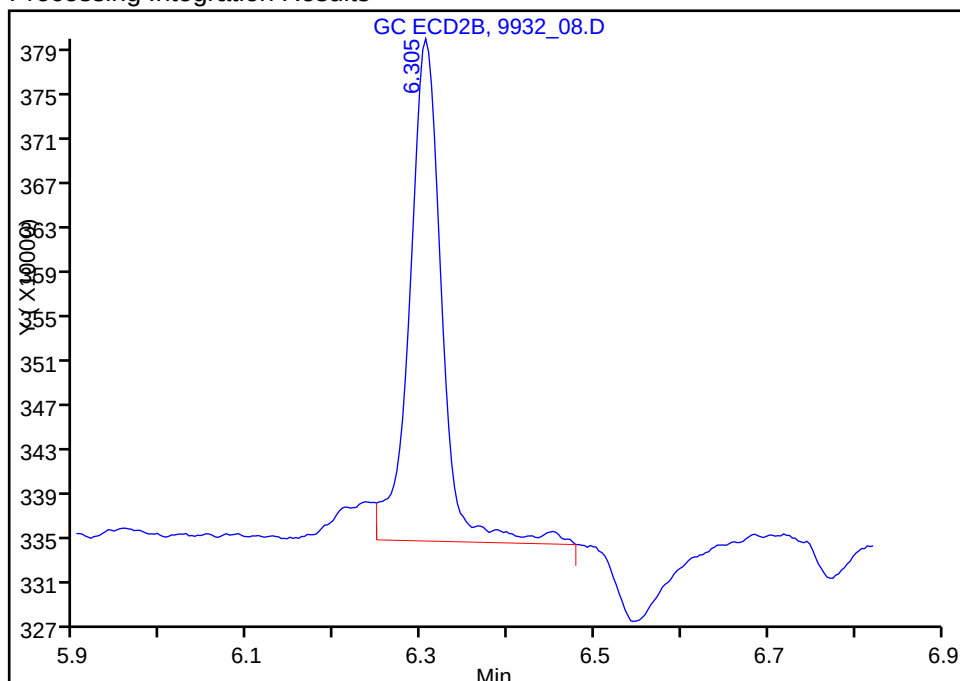
Column: RTX-CLPII (0.32 mm)

Detector

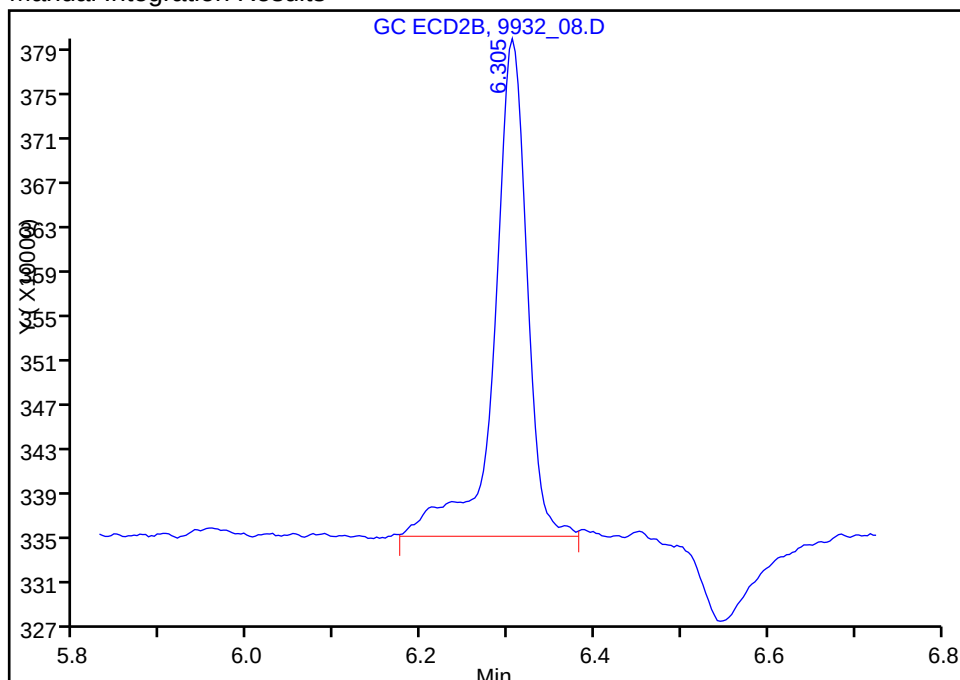
GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.30
Response: 1162114
Amount: 0.853368

Manual Integration Results

RT: 6.30
Response: 1175668
Amount: 0.897608

Reviewer: malaspinar, 10-Oct-2014 09:08:00

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_08.D

Injection Date: 09-Oct-2014 19:20:29

Instrument ID: CH0911.i

Lims ID: IC 200-78475/3-A

Client ID:

Operator ID: RRM

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLPII (0.32 mm)

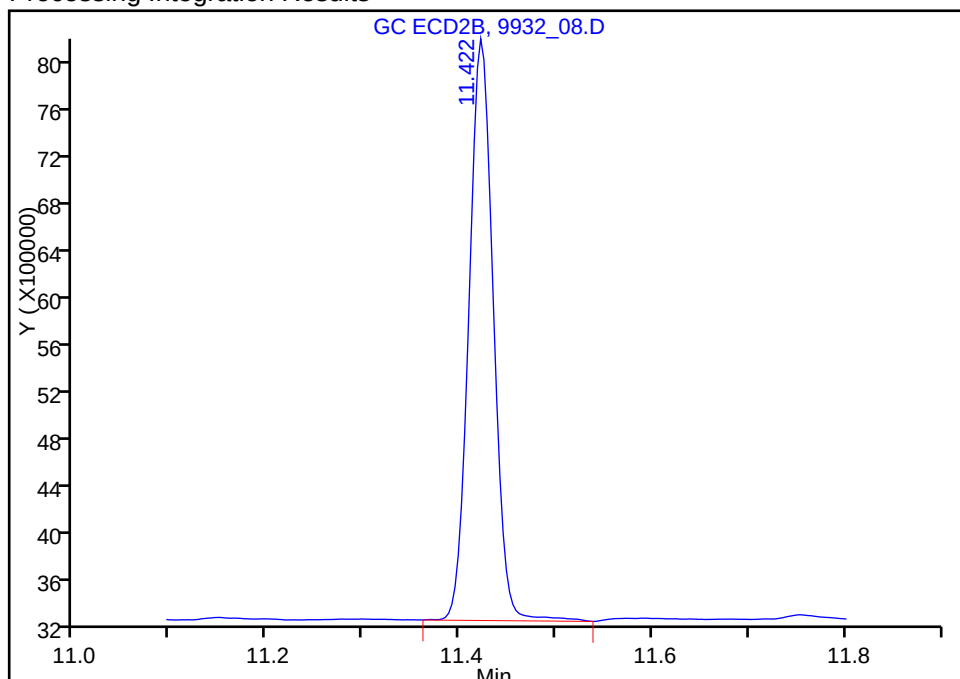
Detector

GC ECD2B

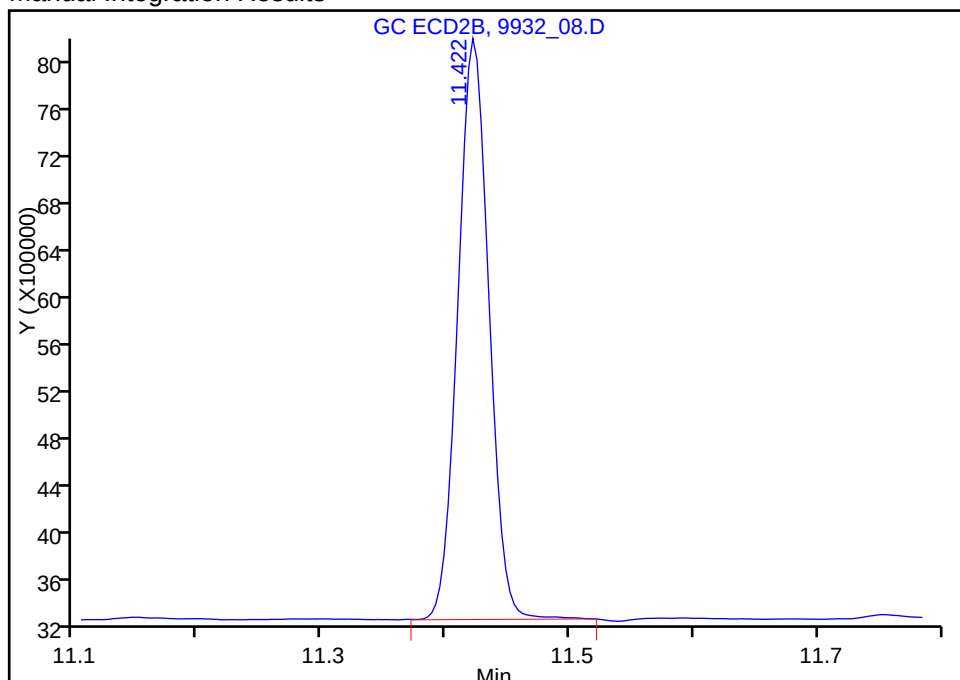
4 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

RT: 11.42
Response: 8587932
Amount: 0.880180

Processing Integration Results

RT: 11.42
Response: 8492881
Amount: 0.872056

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:08:00

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_09.D
 Lims ID: ICRT 200-78475/4-A
 Client ID:
 Sample Type: ICRT Calib Level: 4
 Inject. Date: 09-Oct-2014 19:50:16 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009932-009
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 10-Oct-2014 10:27:57 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK026

First Level Reviewer: malaspinar Date: 10-Oct-2014 09:02:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide							M
1	4.296	4.296	0.000	2464877	1.75	1.73	
2	4.107	4.107	0.000	10124234	1.75	1.57	M
RPD = 9.70							
\$ 2 1-Bromo-3-Chloropropane (Surr)							M
1	6.710	6.710	0.000	556880	1.75	1.72	
2	6.303	6.303	0.000	2274013	1.75	1.74	M
RPD = 0.75							
1 1,2,3-Trichloropropane							M
1	8.140	8.140	0.000	283313	1.75	1.78	M
2	7.870	7.870	0.000	1154162	1.75	1.76	
RPD = 0.77							
4 1,2-Dibromo-3-Chloropropane							
1	11.316	11.316	0.000	4295081	1.75	1.73	
2	11.423	11.423	0.000	16432916	1.75	1.69	
RPD = 2.31							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 350.00

Units: uL

Report Date: 10-Oct-2014 10:27:57

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_09.D

Injection Date: 09-Oct-2014 19:50:16

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: ICRT 200-78475/4-A

Worklist Smp#: 9

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

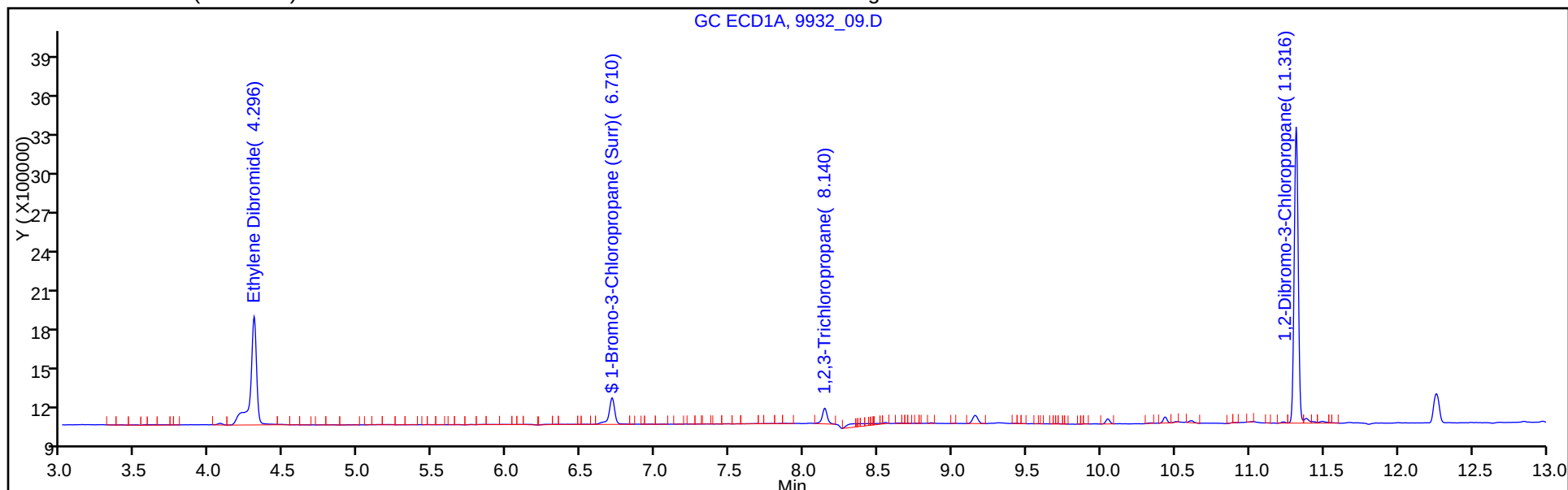
ALS Bottle#: 9

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

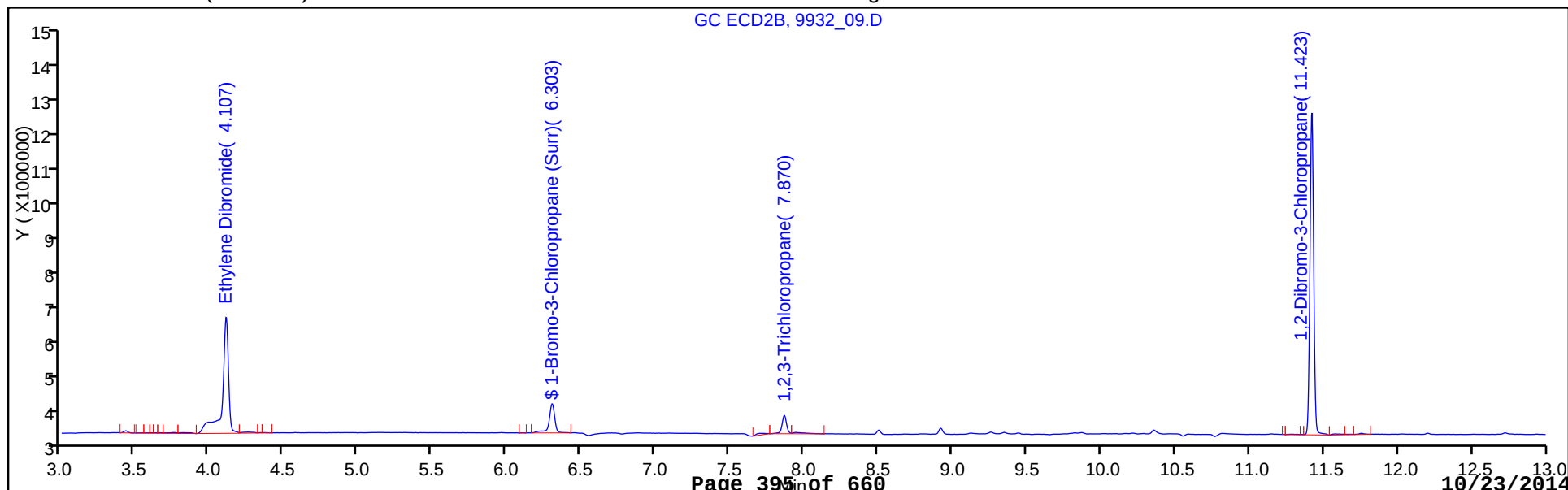
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_09.D

Injection Date: 09-Oct-2014 19:50:16

Instrument ID: CH0911.i

Lims ID: ICRT 200-78475/4-A

Client ID:

Operator ID: RRM

ALS Bottle#:

9

Worklist Smp#: 9

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

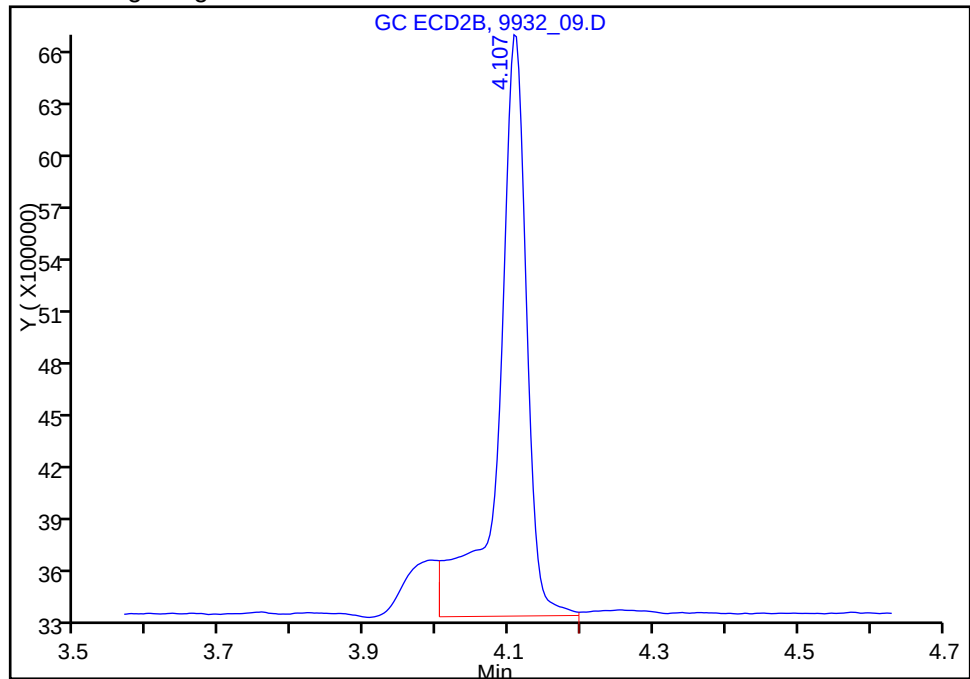
Column: RTX-CLPII (0.32 mm)

Detector

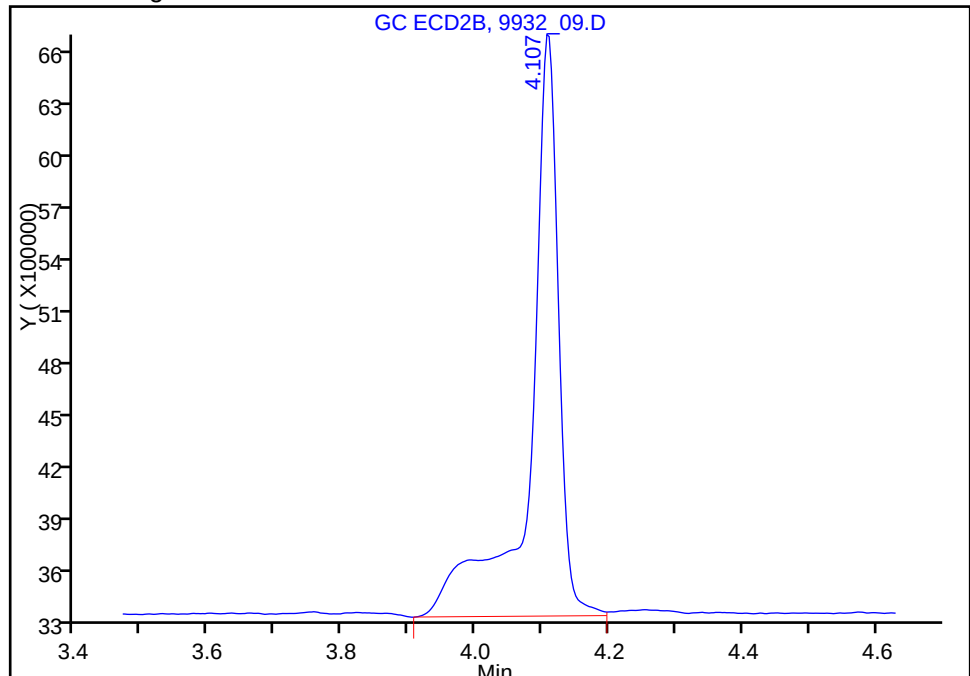
GC ECD2B

3 Ethylene Dibromide, CAS: 106-93-4RT: 4.11
Response: 9073172
Amount: 1.563011

Processing Integration Results

RT: 4.11
Response: 10124234
Amount: 1.574025

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:02:41

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_09.D

Injection Date: 09-Oct-2014 19:50:16

Instrument ID: CH0911.i

Lims ID: ICRT 200-78475/4-A

Client ID:

Operator ID: RRM

ALS Bottle#:

9

Worklist Smp#: 9

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

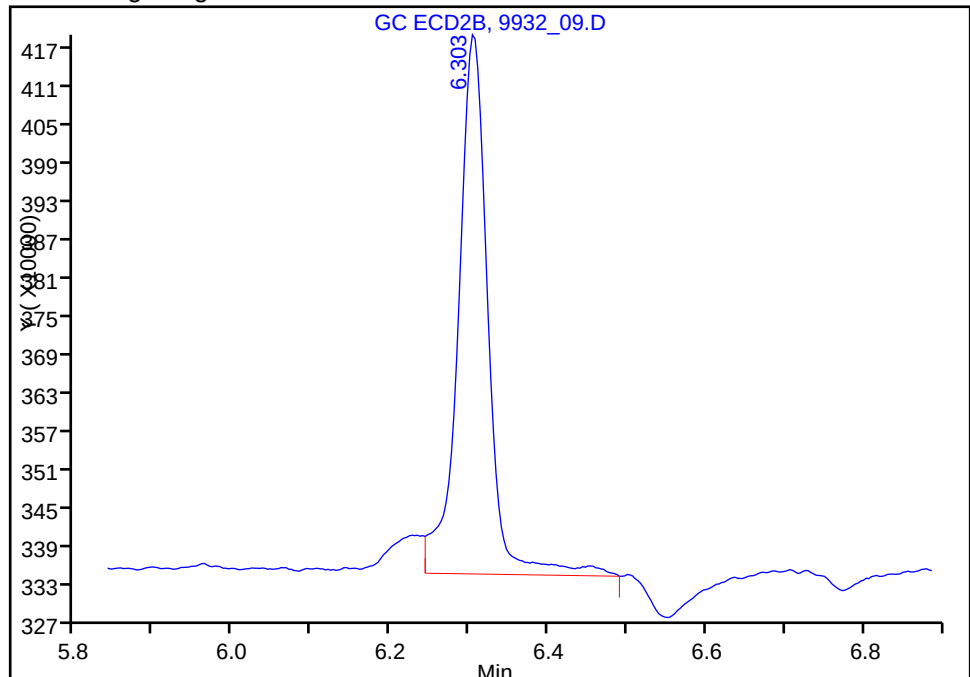
Column: RTX-CLPII (0.32 mm)

Detector

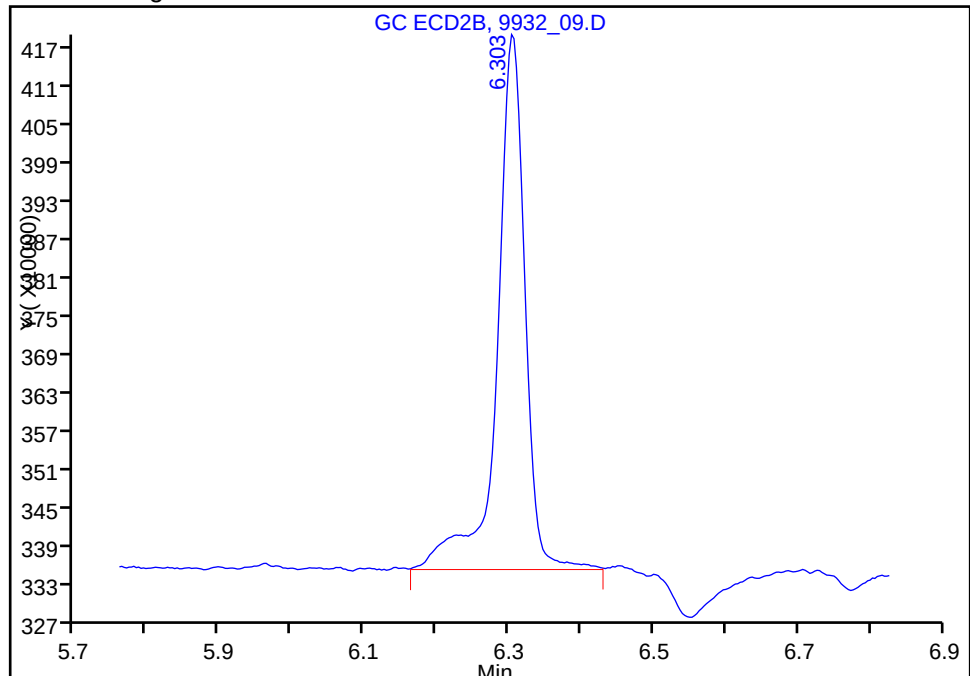
GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.30
Response: 2233012
Amount: 1.325589

Manual Integration Results

RT: 6.30
Response: 2274013
Amount: 1.736181

Reviewer: malaspinar, 10-Oct-2014 09:02:41

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_10.D
 Lims ID: IC 200-78475/5-A
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 09-Oct-2014 20:20:04 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009932-010
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 10-Oct-2014 10:27:58 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK026

First Level Reviewer: malaspinar Date: 10-Oct-2014 09:09:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

1	4.296	4.296	0.000	4675554	3.50	3.29	
2	4.106	4.107	-0.001	18873924	3.50	2.93	
RPD = 11.43							

\$ 2 1-Bromo-3-Chloropropane (Surr)

1	6.709	6.710	-0.001	1027624	3.50	3.18	M
2	6.303	6.303	0.000	4280425	3.50	3.27	M
RPD = 2.73							

1 1,2,3-Trichloropropane

1	8.139	8.140	-0.001	526347	3.50	3.30	M
2	7.870	7.870	0.000	2171674	3.50	3.32	
RPD = 0.50							

4 1,2-Dibromo-3-Chloropropane

1	11.316	11.316	0.000	8349531	3.50	3.36	
2	11.423	11.423	0.000	31691682	3.50	3.25	
RPD = 3.10							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 700.00

Units: uL

Report Date: 10-Oct-2014 10:27:58

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_10.D

Injection Date: 09-Oct-2014 20:20:04

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: IC 200-78475/5-A

Worklist Smp#: 10

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

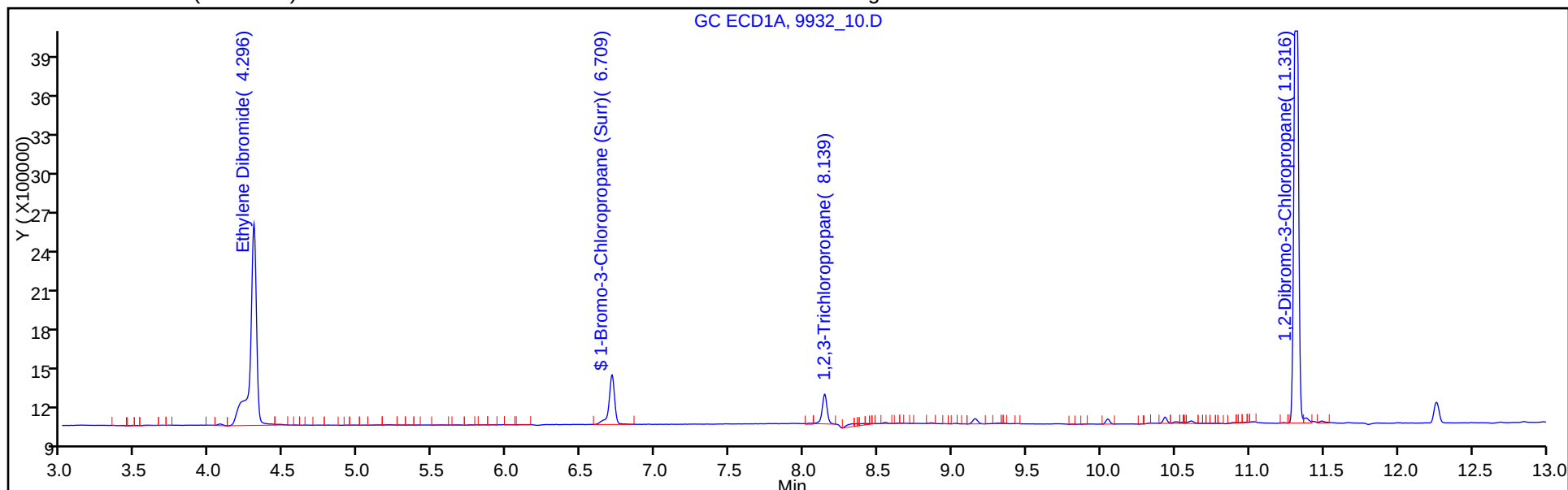
ALS Bottle#: 10

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

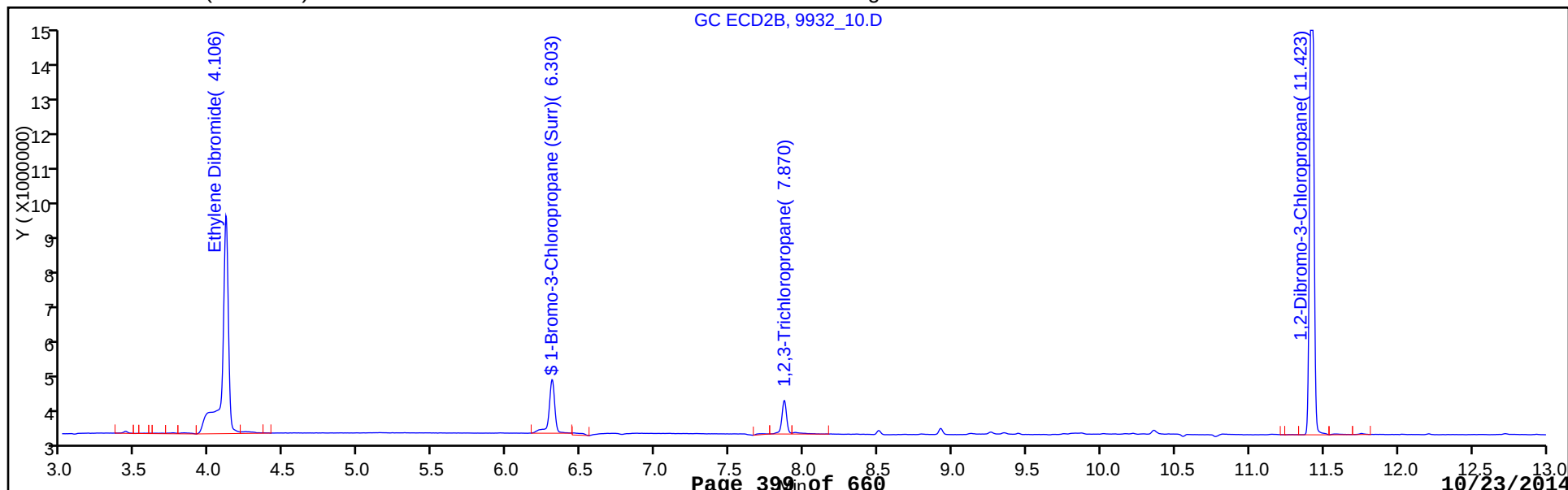
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_10.D

Injection Date: 09-Oct-2014 20:20:04

Instrument ID: CH0911.i

Lims ID: IC 200-78475/5-A

Client ID:

Operator ID: RRM

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

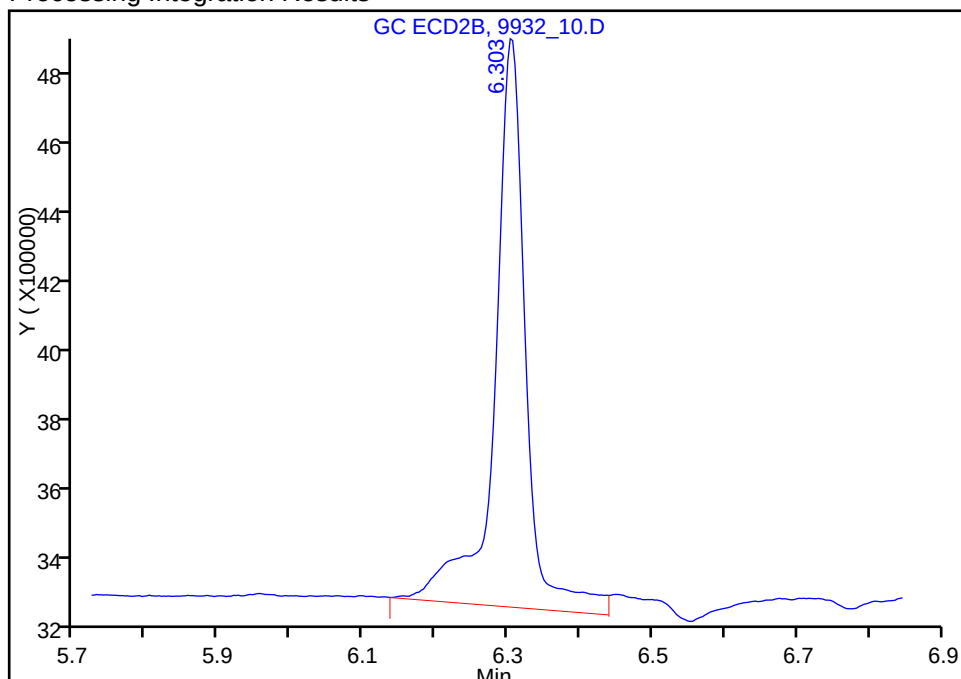
Limit Group: GC_504.1 Limits

Column: RTX-CLPII (0.32 mm)

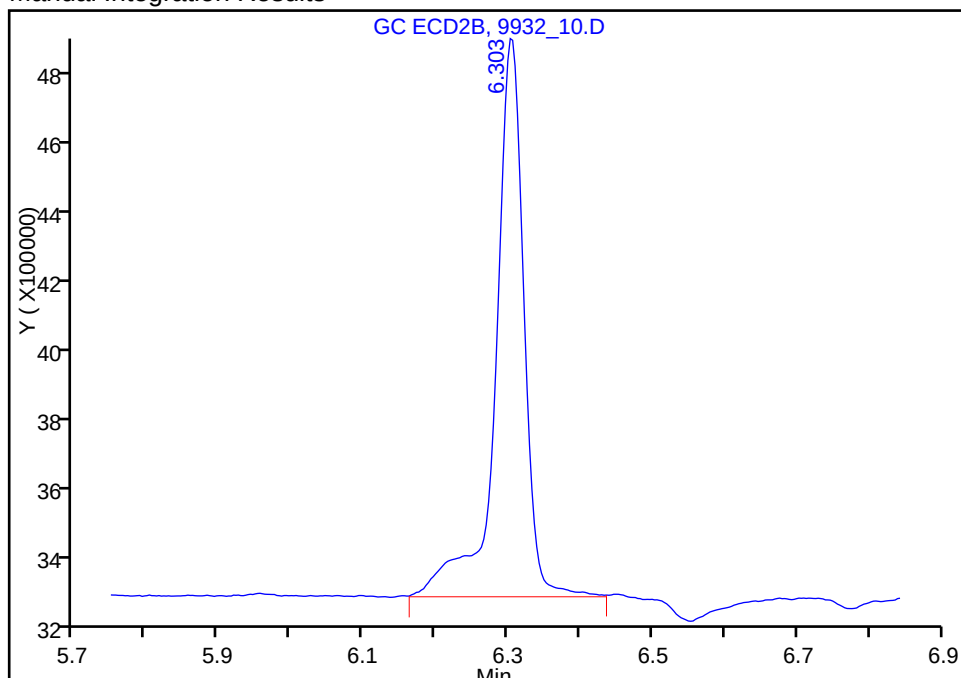
Detector: GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.30
Response: 4751381
Amount: 3.482452

Manual Integration Results

RT: 6.30
Response: 4280425
Amount: 3.268053

Reviewer: malaspinar, 10-Oct-2014 09:09:33

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Lims ID: IC 200-78475/6-A
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 09-Oct-2014 20:49:54 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009932-011
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 10-Oct-2014 10:27:58 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK026

First Level Reviewer: malaspinar Date: 10-Oct-2014 09:10:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

1	4.298	4.296	0.002	5782994	4.38	4.07	
2	4.108	4.107	0.001	23079905	4.38	3.59	
RPD = 12.57							

\$ 2 1-Bromo-3-Chloropropane (Surr) M

1	6.708	6.710	-0.002	1299482	4.38	4.02	
2	6.305	6.303	0.002	5280394	4.38	4.03	M
RPD = 0.26							

1 1,2,3-Trichloropropane M

1	8.141	8.140	0.001	675592	4.38	4.24	M
2	7.868	7.870	-0.002	2676970	4.38	4.09	M
RPD = 3.54							

4 1,2-Dibromo-3-Chloropropane

1	11.318	11.316	0.002	10764591	4.38	4.33	
2	11.422	11.423	-0.001	40604391	4.38	4.17	
RPD = 3.73							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 875.00

Units: uL

Report Date: 10-Oct-2014 10:27:59

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D

Injection Date: 09-Oct-2014 20:49:54

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: IC 200-78475/6-A

Worklist Smp#: 11

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

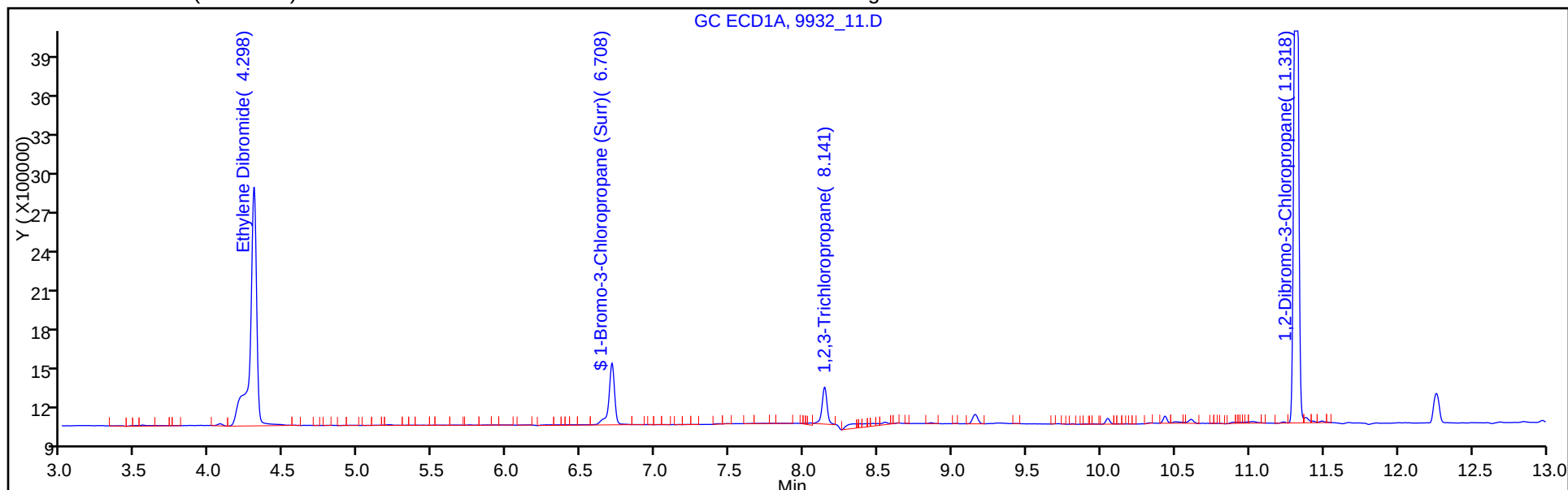
ALS Bottle#: 11

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

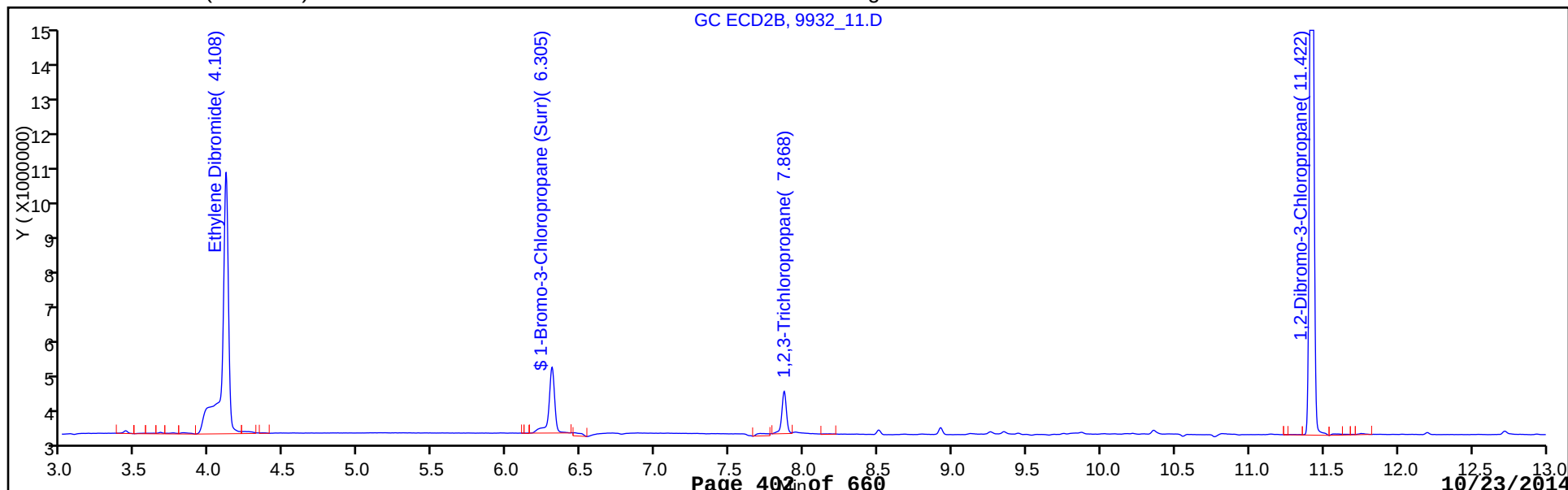
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D

Injection Date: 09-Oct-2014 20:49:54

Instrument ID: CH0911.i

Lims ID: IC 200-78475/6-A

Client ID:

Operator ID: RRM

ALS Bottle#:

11

Worklist Smp#: 11

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

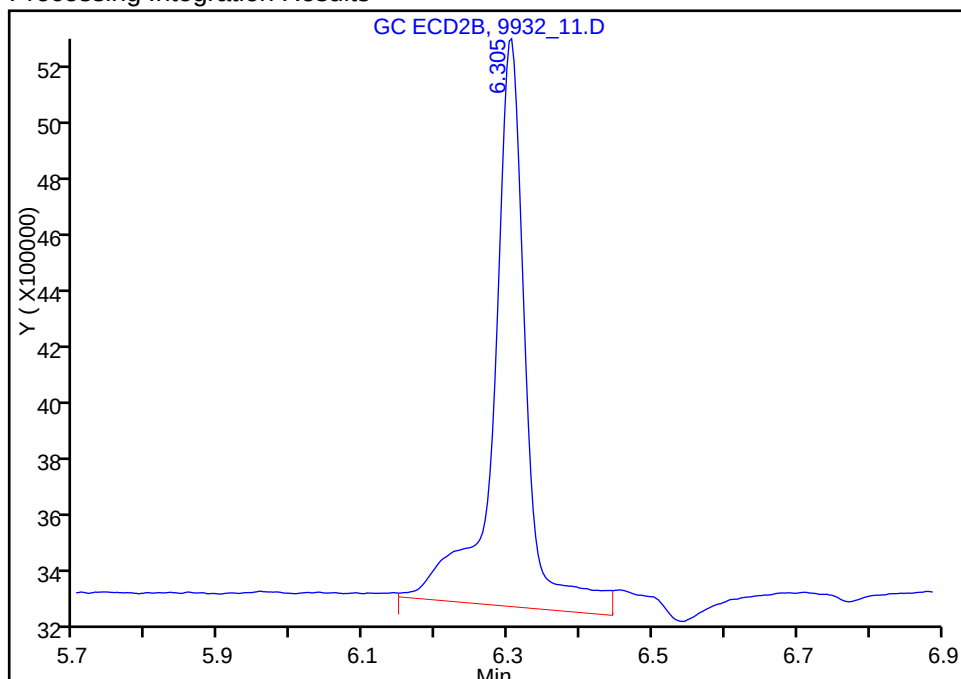
Column: RTX-CLPII (0.32 mm)

Detector

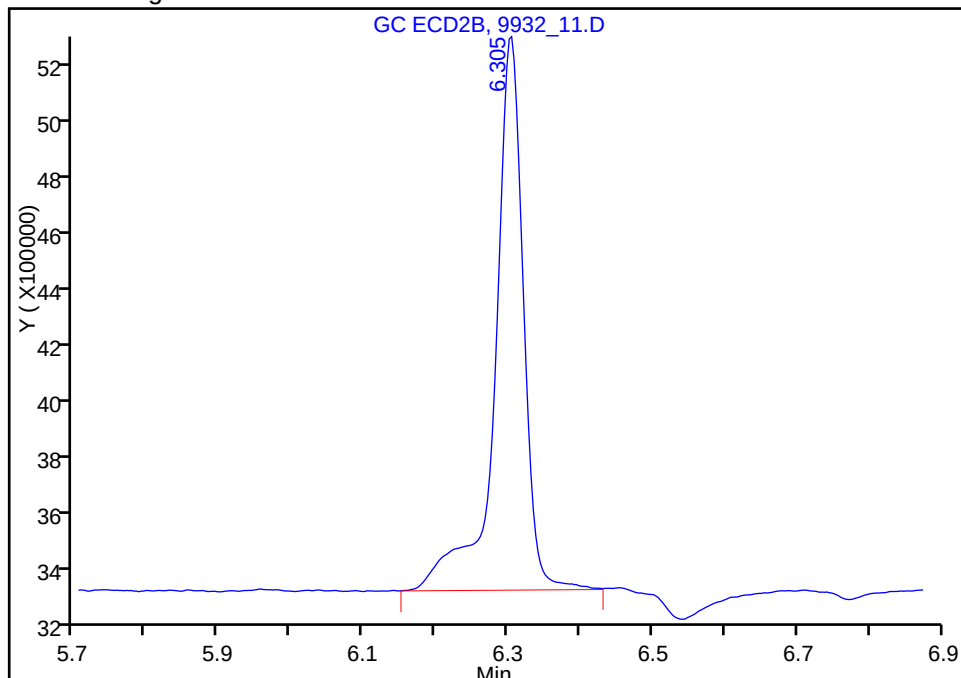
GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.30
Response: 6124941
Amount: 4.564204

Manual Integration Results

RT: 6.30
Response: 5280394
Amount: 4.031517

Reviewer: malaspinar, 10-Oct-2014 09:10:25

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D

Injection Date: 09-Oct-2014 20:49:54

Instrument ID: CH0911.i

Lims ID: IC 200-78475/6-A

Client ID:

Operator ID: RRM

ALS Bottle#:

11

Worklist Smp#: 11

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

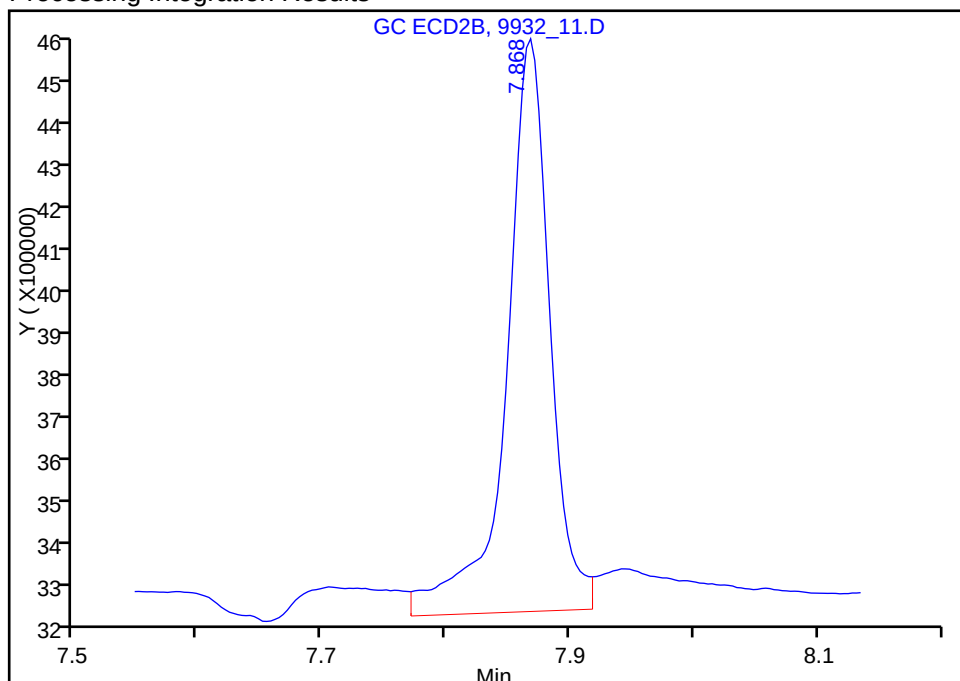
Column: RTX-CLPII (0.32 mm)

Detector

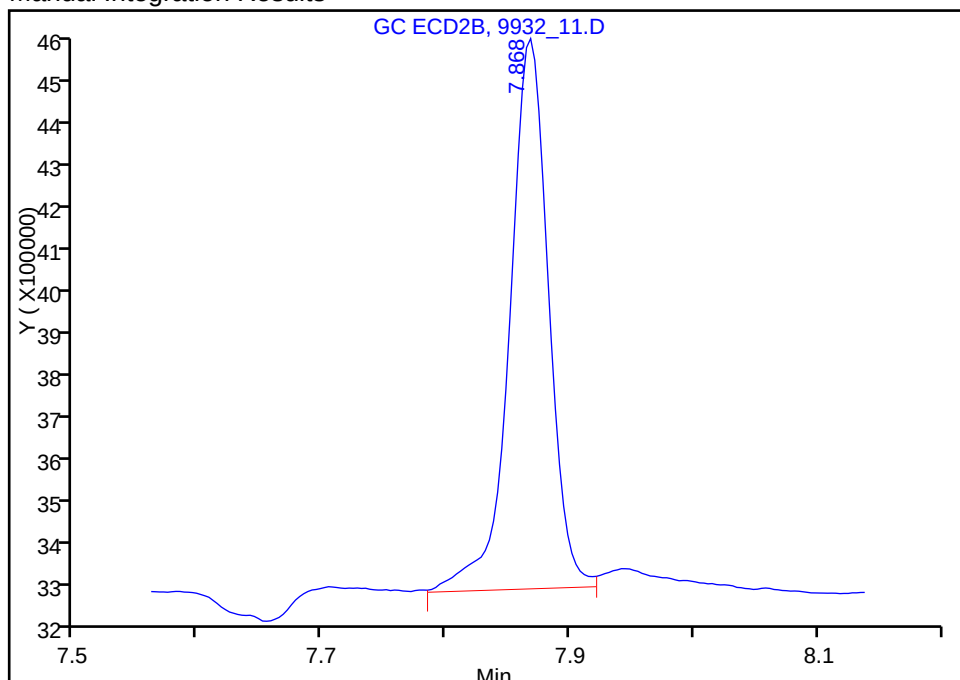
GC ECD2B

1 1,2,3-Trichloropropane, CAS: 96-18-4RT: 7.87
Response: 3118033
Amount: 4.509387

Processing Integration Results

RT: 7.87
Response: 2676970
Amount: 4.090466

Manual Integration Results



Reviewer: malaspinar, 10-Oct-2014 09:10:25

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM III
GC SEMI VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Matrix: Water Level: Low Lab File ID: 9955_05.D
Lab ID: ICV 200-78530/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	ICV CONCENTRATION (ug/L)	ICV % REC	QC LIMITS REC	#
1,2-Dibromoethane	1.75	1.70	97	80-120	
1,2,3-Trichloropropane	1.75	1.79	102	80-120	
1,2-Dibromo-3-Chloropropane	1.75	1.73	99	80-120	

Column to be used to flag recovery and RPD values

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_05.D

Lims ID: ICV 200-78530/2-A

Client ID:

Sample Type: ICV

Inject. Date: 10-Oct-2014 16:15:22

ALS Bottle#: 5

Worklist Smp#: 5

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Sample Info: 200-0009955-005

Operator ID: RRM

Instrument ID: CH0911.i

Sublist:

Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m

Limit Group: GC_504.1 Limits

Last Update: 13-Oct-2014 12:55:04

Calib Date: 09-Oct-2014 20:49:54

Integrator: Falcon

Quant Method: External Standard

Quant By: Initial Calibration

Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D

Column 1 : RTX-CLP (0.32 mm)

Det: GC ECD1A

Column 2 : RTX-CLPII (0.32 mm)

Det: GC ECD2B

Process Host: XAWRK019

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:38:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

M

1	4.297	4.300	-0.003	2416948	1.75	1.70	M
2	4.107	4.111	-0.004	9993875	1.75	1.55	

RPD = 9.04

\$ 2 1-Bromo-3-Chloropropane (Surr)

M

1	6.710	6.710	0.000	540556	1.75	1.67	M
2	6.304	6.307	-0.003	2268469	1.75	1.73	M

RPD = 3.48

1 1,2,3-Trichloropropane

M

1	8.140	8.144	-0.004	284560	1.75	1.79	M
2	7.870	7.871	-0.001	1131075	1.75	1.73	M

RPD = 3.23

4 1,2-Dibromo-3-Chloropropane

1	11.317	11.320	-0.003	4297706	1.75	1.73	
2	11.424	11.424	0.000	16483698	1.75	1.69	

RPD = 2.06

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504QCSi_00021

Amount Added: 7.00

Units: uL

Report Date: 13-Oct-2014 13:56:04

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_05.D

Injection Date: 10-Oct-2014 16:15:22

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: ICV 200-78530/2-A

Worklist Smp#: 5

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

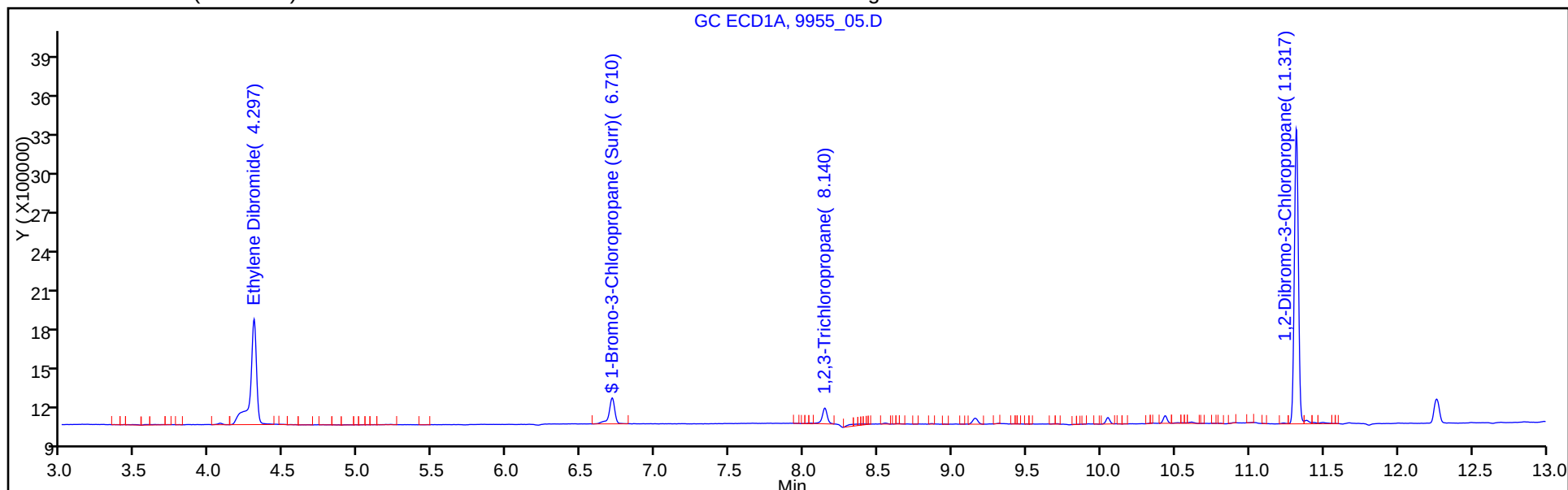
ALS Bottle#: 5

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

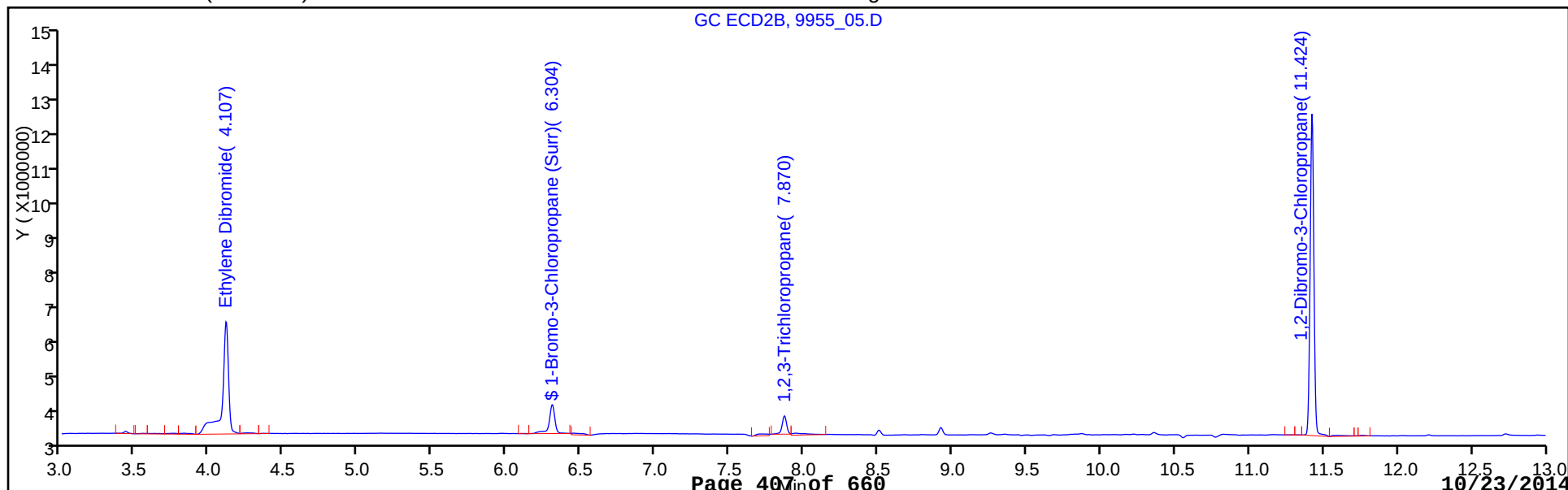
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_05.D

Injection Date: 10-Oct-2014 16:15:22

Instrument ID: CH0911.i

Lims ID: ICV 200-78530/2-A

Client ID:

Operator ID: RRM

ALS Bottle#: 5

Worklist Smp#: 5

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

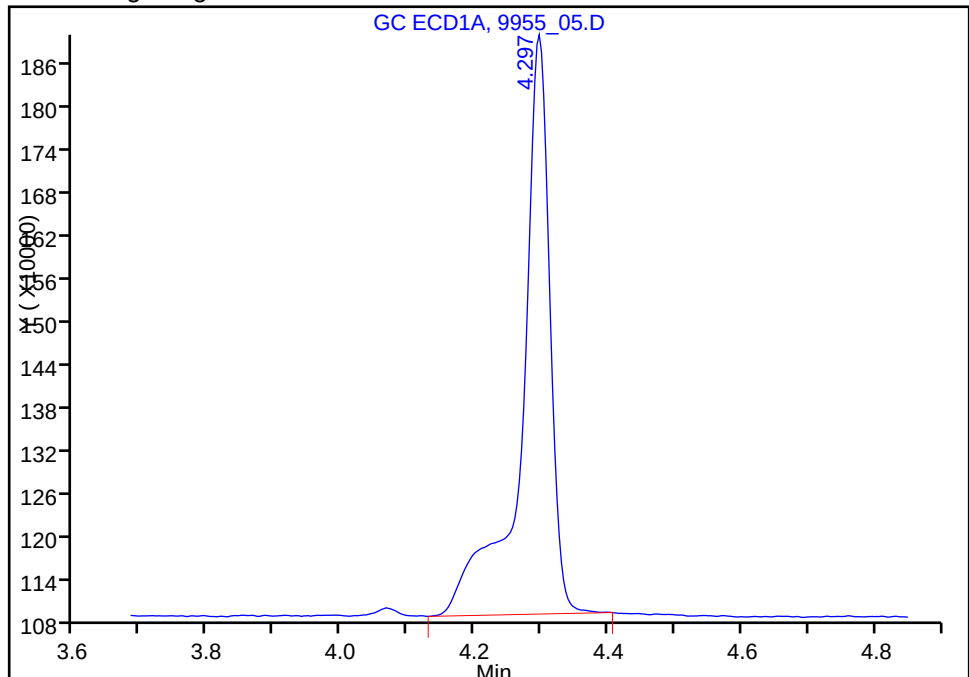
Column: RTX-CLP (0.32 mm)

Detector: GC ECD1A

3 Ethylene Dibromide, CAS: 106-93-4

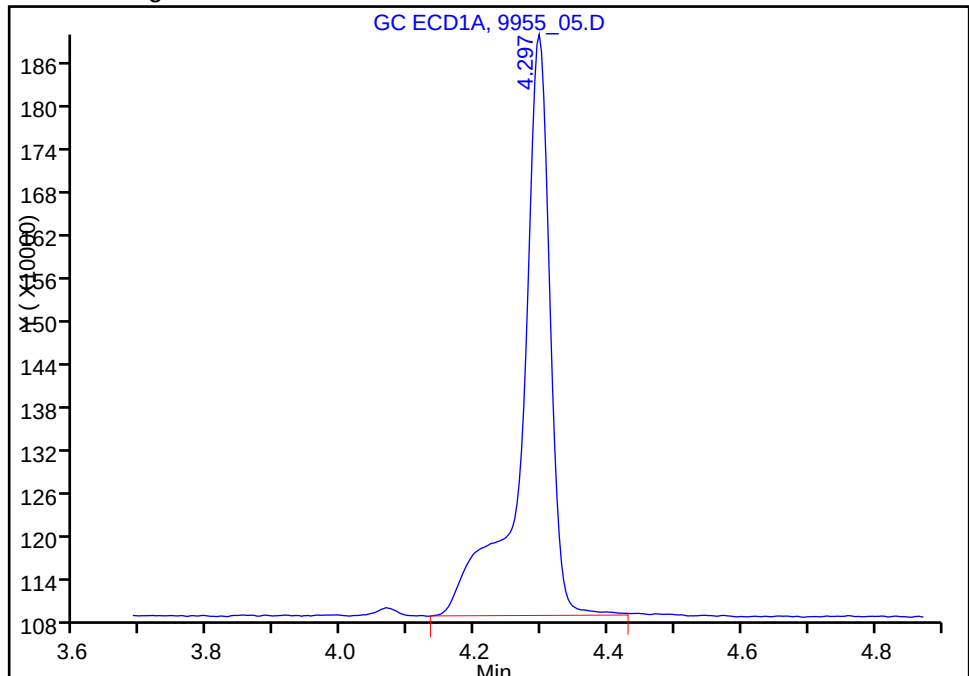
RT: 4.30
Response: 2384330
Amount: 1.677842

Processing Integration Results



RT: 4.30
Response: 2416948
Amount: 1.700795

Manual Integration Results



Reviewer: malaspinar, 11-Oct-2014 08:38:18

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_05.D

Injection Date: 10-Oct-2014 16:15:22

Instrument ID: CH0911.i

Lims ID: ICV 200-78530/2-A

Client ID:

Operator ID: RRM

ALS Bottle#:

5

Worklist Smp#: 5

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

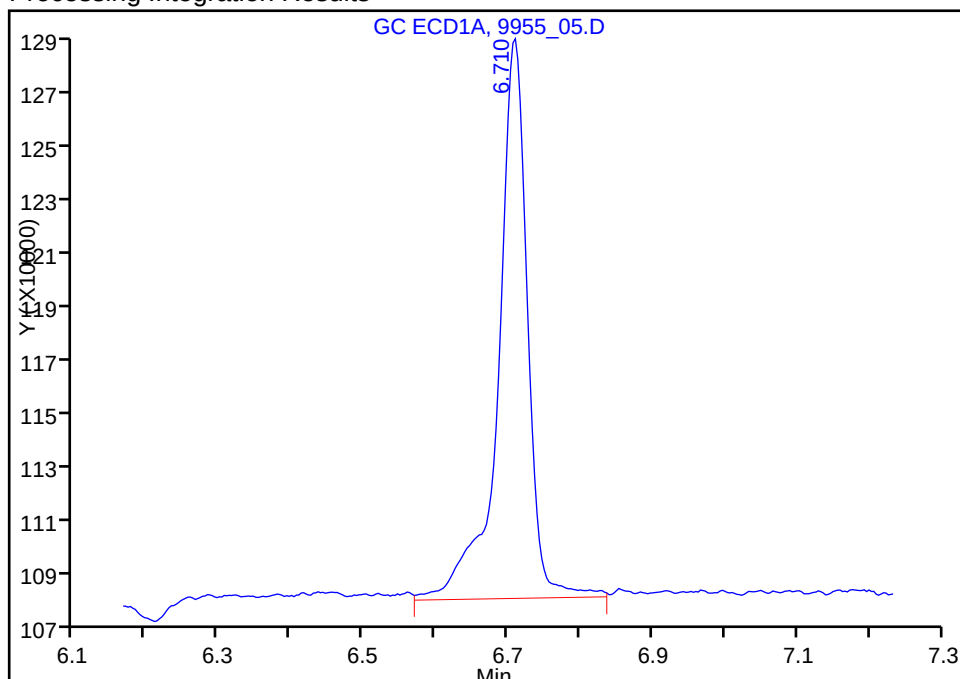
Column: RTX-CLP (0.32 mm)

Detector

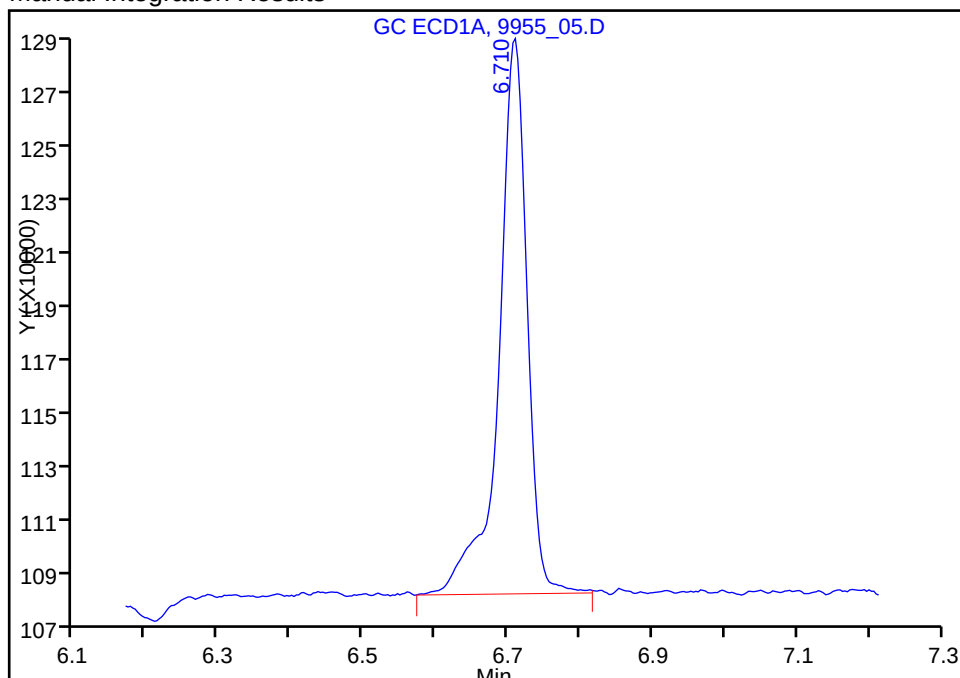
GC ECD1A

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.71
Response: 566377
Amount: 1.752619

Manual Integration Results

RT: 6.71
Response: 540556
Amount: 1.672718

Reviewer: malaspinar, 11-Oct-2014 08:38:18

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_05.D

Injection Date: 10-Oct-2014 16:15:22

Instrument ID: CH0911.i

Lims ID: ICV 200-78530/2-A

Client ID:

Operator ID: RRM

ALS Bottle#:

5

Worklist Smp#: 5

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLP (0.32 mm)

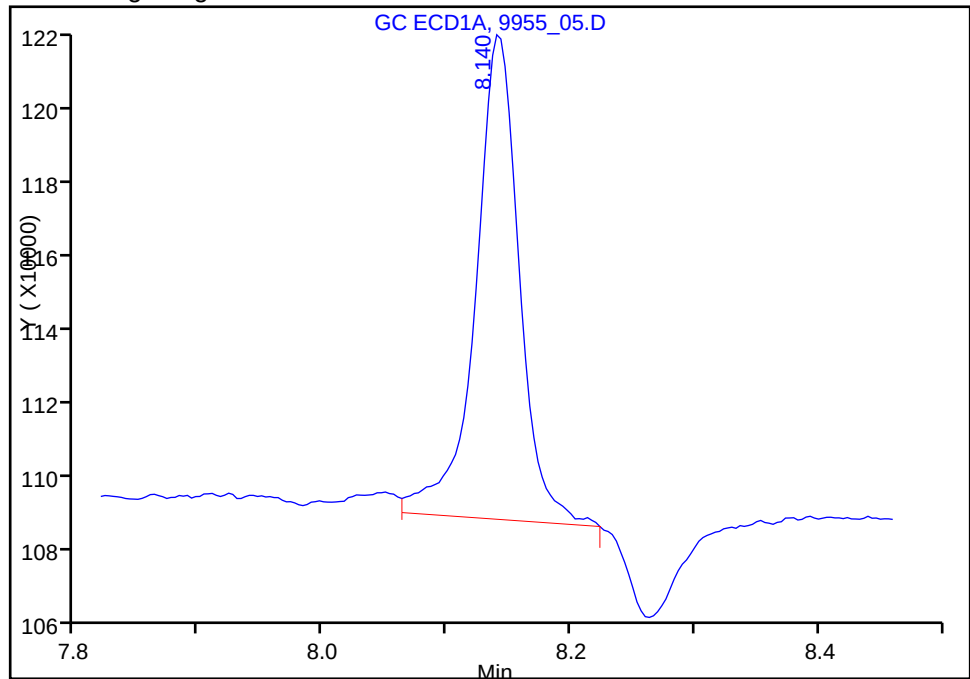
Detector

GC ECD1A

1 1,2,3-Trichloropropane, CAS: 96-18-4

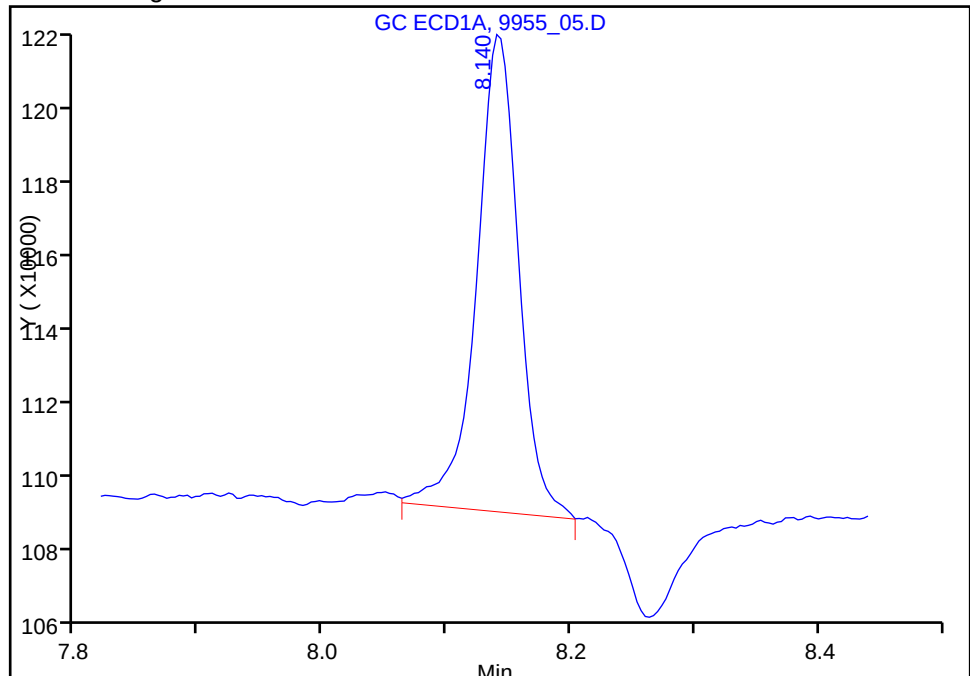
RT: 8.14
Response: 302224
Amount: 1.895891

Processing Integration Results



RT: 8.14
Response: 284560
Amount: 1.785083

Manual Integration Results



Reviewer: malaspinar, 11-Oct-2014 08:38:18

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM III
GC SEMI VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Matrix: Water Level: Low Lab File ID: 9955_05.D
Lab ID: ICV 200-78530/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	ICV CONCENTRATION (ug/L)	ICV % REC	QC LIMITS REC	#
1,2-Dibromoethane	1.75	1.55	89	80-120	
1,2,3-Trichloropropane	1.75	1.73	99	80-120	
1,2-Dibromo-3-Chloropropane	1.75	1.69	97	80-120	

Column to be used to flag recovery and RPD values

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_05.D

Lims ID: ICV 200-78530/2-A

Client ID:

Sample Type: ICV

Inject. Date: 10-Oct-2014 16:15:22

ALS Bottle#: 5

Worklist Smp#: 5

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Sample Info: 200-0009955-005

Operator ID: RRM

Instrument ID: CH0911.i

Sublist:

Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m

Limit Group: GC_504.1 Limits

Last Update: 13-Oct-2014 12:55:04

Calib Date: 09-Oct-2014 20:49:54

Integrator: Falcon

Quant Method: External Standard

Quant By: Initial Calibration

Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D

Column 1 : RTX-CLP (0.32 mm)

Det: GC ECD1A

Column 2 : RTX-CLPII (0.32 mm)

Det: GC ECD2B

Process Host: XAWRK019

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:38:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

M

1	4.297	4.300	-0.003	2416948	1.75	1.70	M
2	4.107	4.111	-0.004	9993875	1.75	1.55	

RPD = 9.04

\$ 2 1-Bromo-3-Chloropropane (Surr)

M

1	6.710	6.710	0.000	540556	1.75	1.67	M
2	6.304	6.307	-0.003	2268469	1.75	1.73	M

RPD = 3.48

1 1,2,3-Trichloropropane

M

1	8.140	8.144	-0.004	284560	1.75	1.79	M
2	7.870	7.871	-0.001	1131075	1.75	1.73	M

RPD = 3.23

4 1,2-Dibromo-3-Chloropropane

1	11.317	11.320	-0.003	4297706	1.75	1.73	
2	11.424	11.424	0.000	16483698	1.75	1.69	

RPD = 2.06

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504QCSi_00021

Amount Added: 7.00

Units: uL

Report Date: 13-Oct-2014 13:56:04

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_05.D

Injection Date: 10-Oct-2014 16:15:22

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: ICV 200-78530/2-A

Worklist Smp#: 5

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

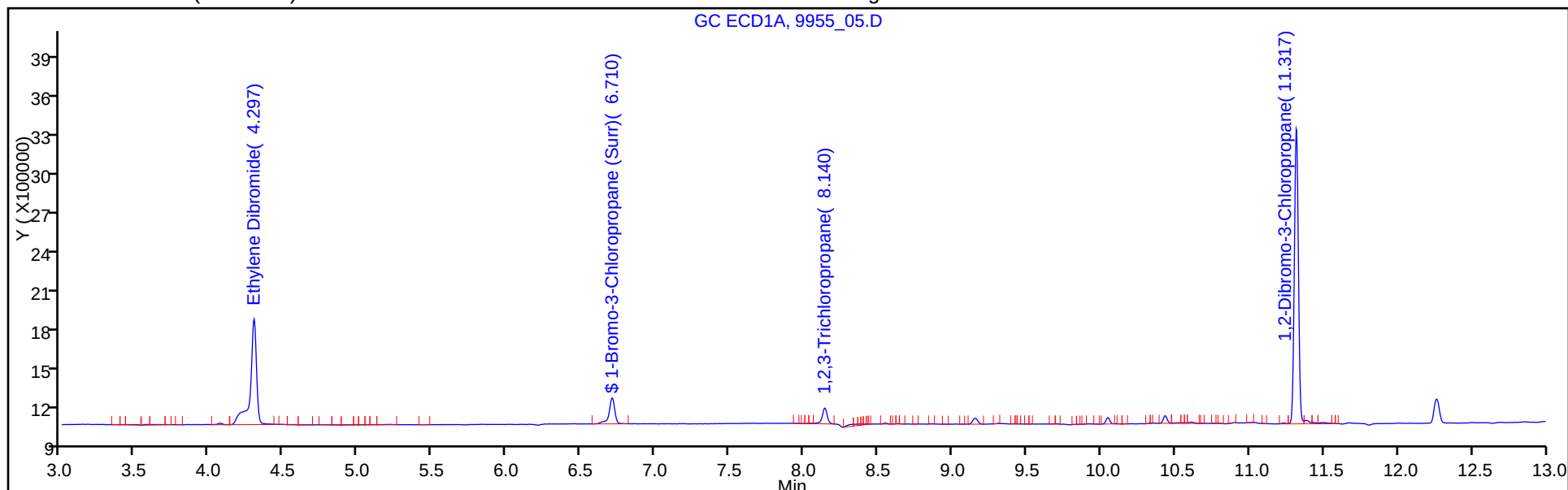
ALS Bottle#: 5

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

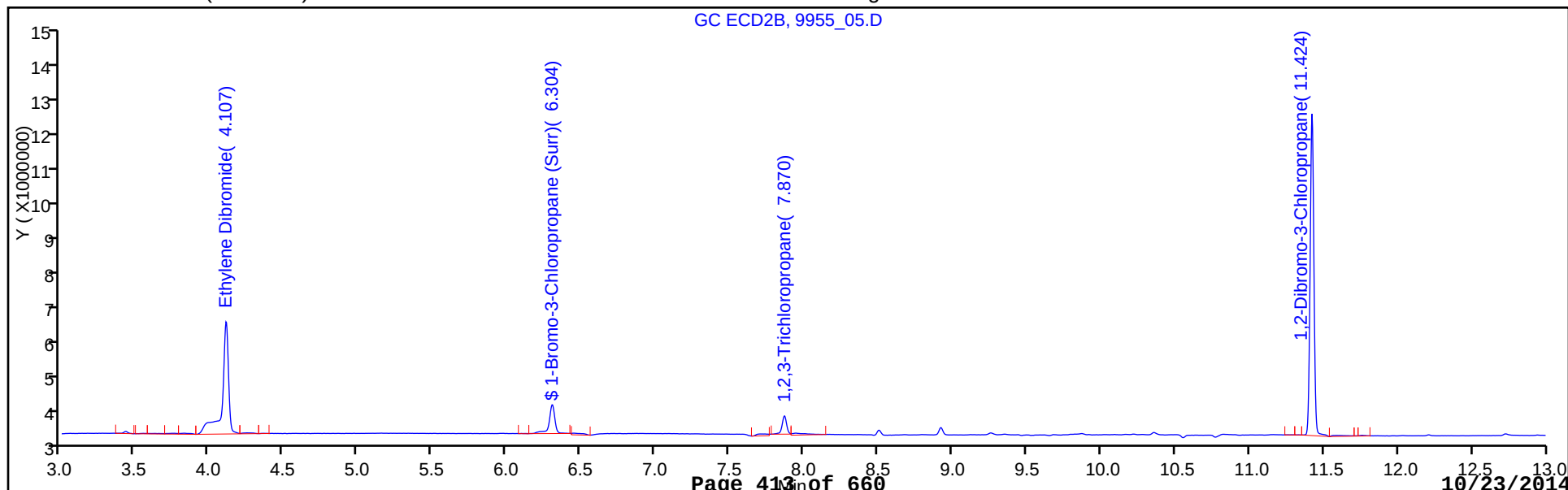
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_05.D

Injection Date: 10-Oct-2014 16:15:22

Instrument ID: CH0911.i

Lims ID: ICV 200-78530/2-A

Client ID:

Operator ID: RRM

ALS Bottle#:

5

Worklist Smp#: 5

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

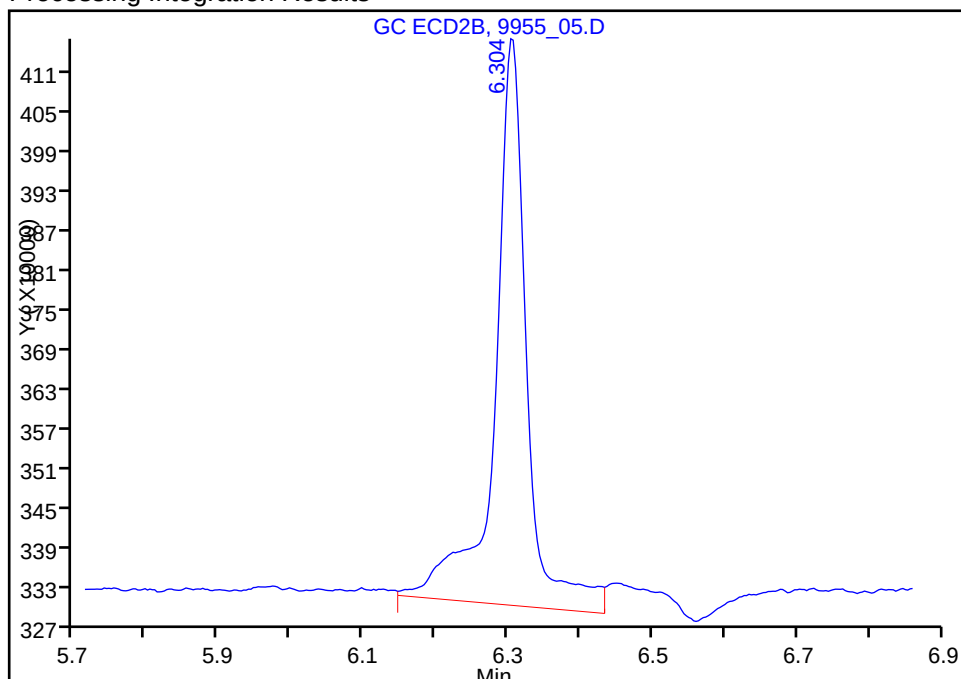
Column: RTX-CLPII (0.32 mm)

Detector

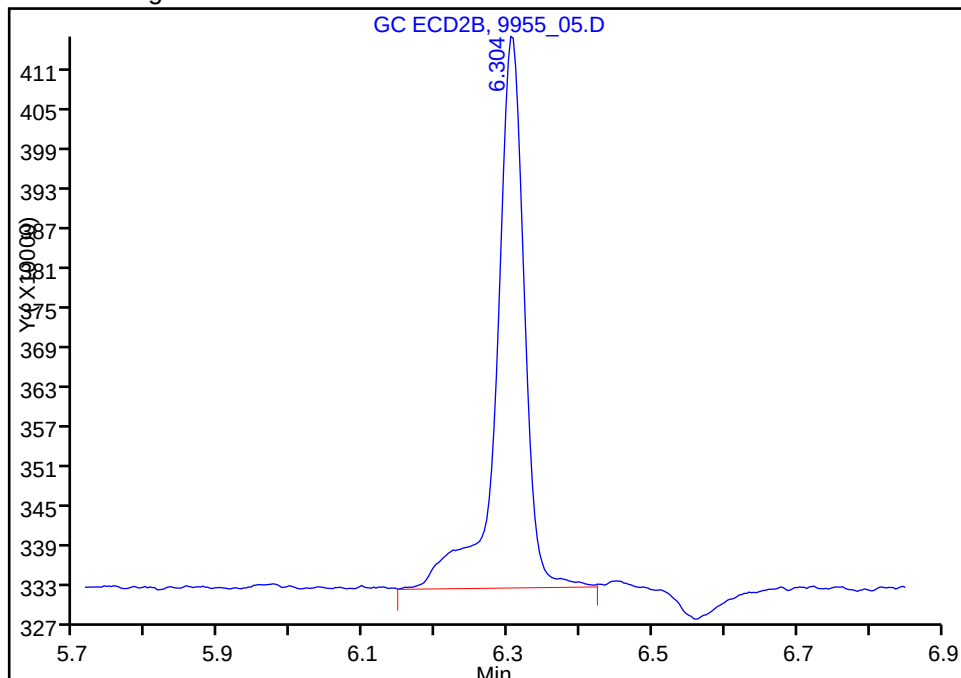
GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.30
Response: 2636952
Amount: 2.013281

Manual Integration Results

RT: 6.30
Response: 2268469
Amount: 1.731949

Reviewer: malaspinar, 11-Oct-2014 08:38:18

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_05.D

Injection Date: 10-Oct-2014 16:15:22

Instrument ID: CH0911.i

Lims ID: ICV 200-78530/2-A

Client ID:

Operator ID: RRM

ALS Bottle#: 5

Worklist Smp#: 5

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

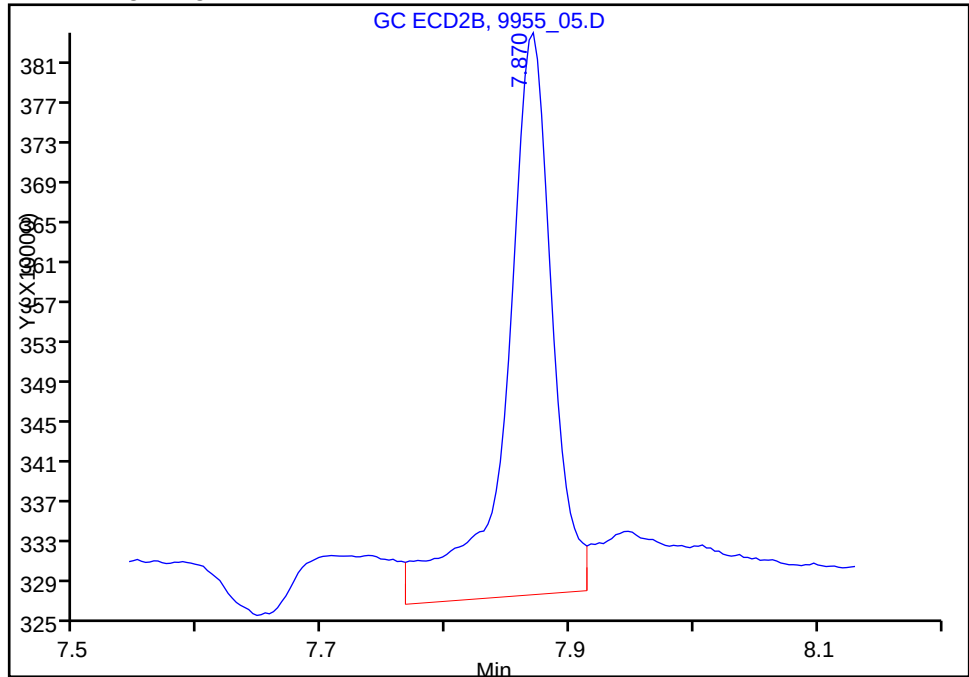
Limit Group: GC_504.1 Limits

Column: RTX-CLPII (0.32 mm)

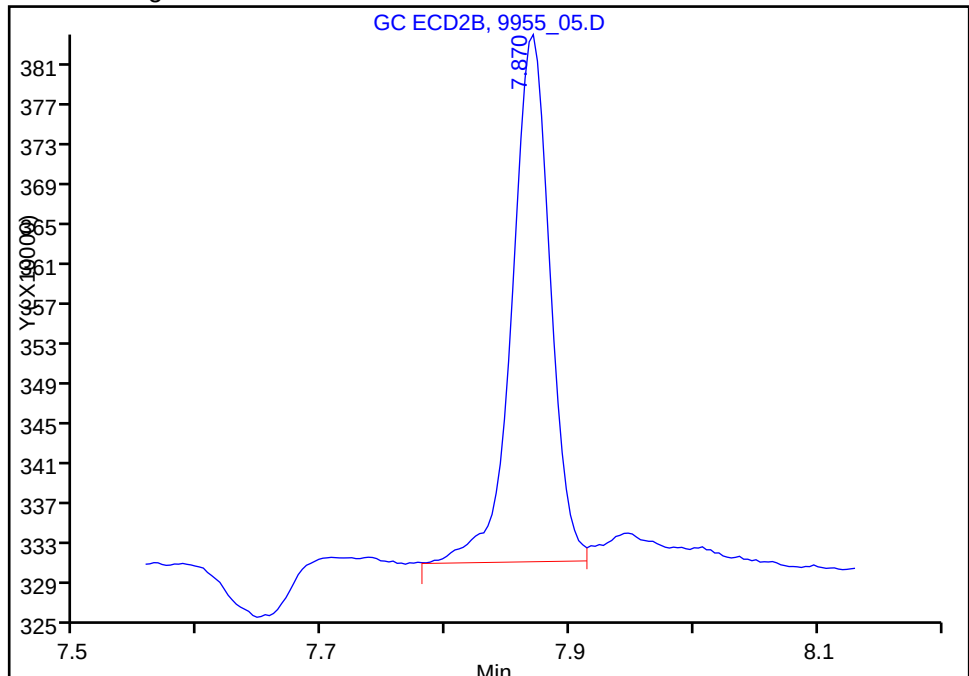
Detector: GC ECD2B

1 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Integration Results

RT: 7.87
Response: 1456559
Amount: 2.225653

Manual Integration Results

RT: 7.87
Response: 1131075
Amount: 1.728306

Reviewer: malaspinar, 11-Oct-2014 08:38:18

Audit Action: Manually Integrated

Audit Reason: Baseline Event

Report Date: 13-Oct-2014 12:52:37

Chrom Revision: 2.2 07-Oct-2014 12:16:06

Preliminary Report

TestAmerica Burlington

Data File:

\\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_13.D

Injection Date:

09-Oct-2014 21:49:29

Instrument ID: CH0911.i

Lims ID:

RESC 200-78475/8-A

Operator ID: RRM
Worklist Smp#: 13

Client ID:

Injection Vol:

1.5 ul

Dil. Factor:

1.0000

ALS Bottle#:

13

Method:

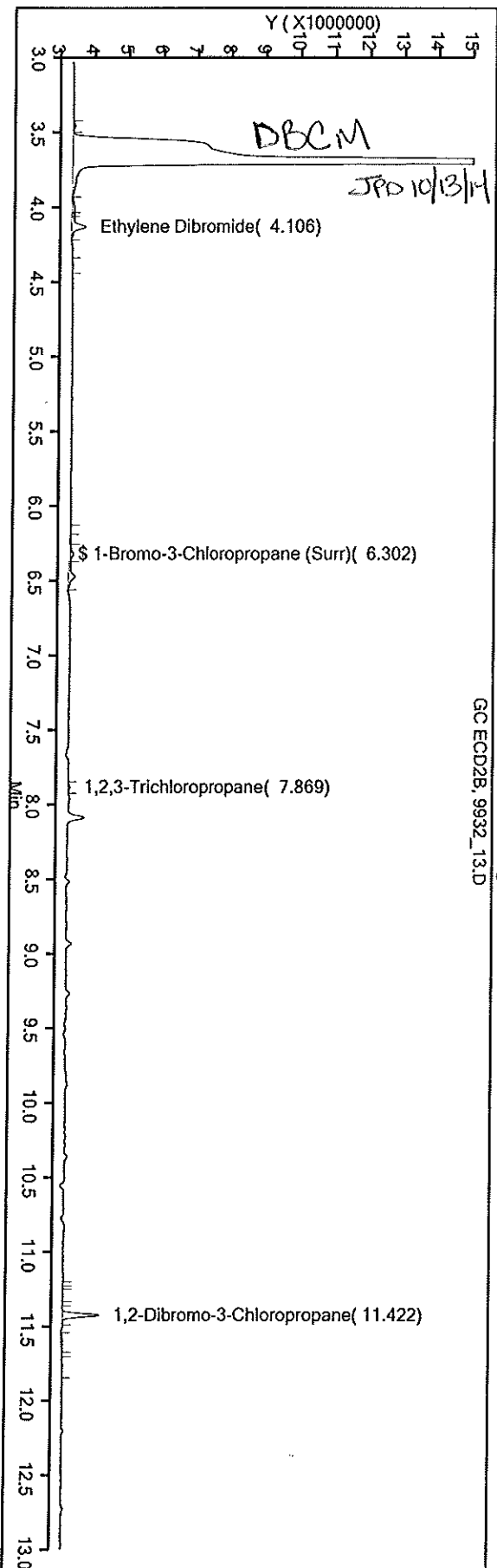
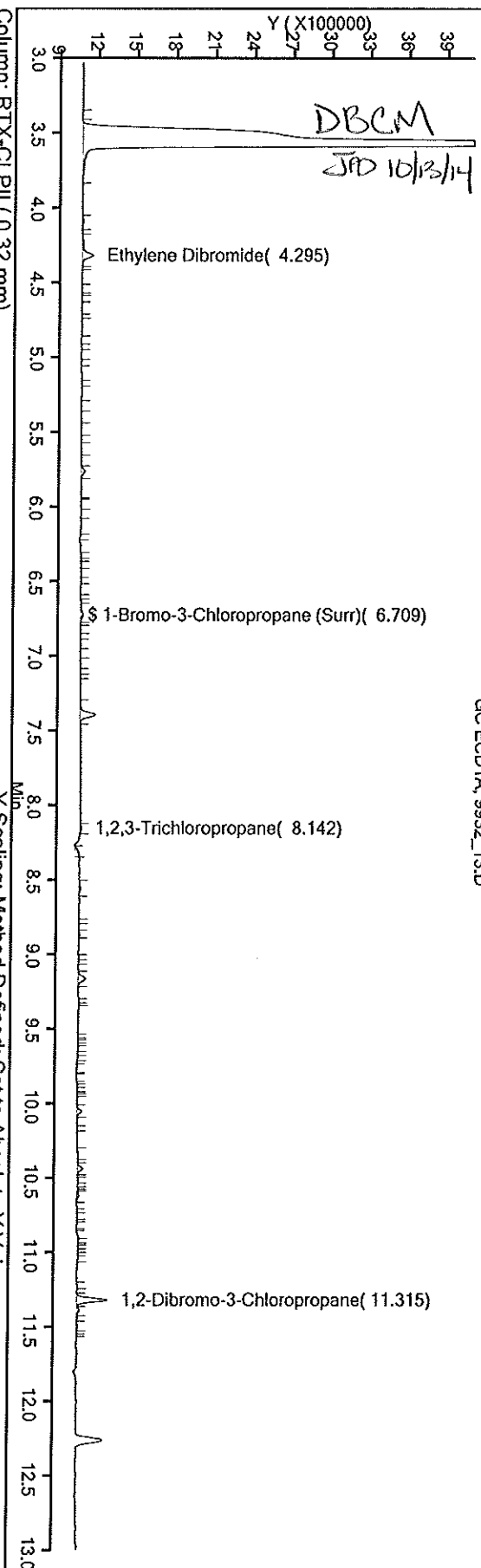
504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Preliminary Report

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_13.D
 Lims ID: RESC 200-78475/8-A
 Client ID:
 Sample Type: RESC
 Inject. Date: 09-Oct-2014 21:49:29 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009932-013
 Operator ID: RRM Instrument ID: CH0911.i
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 10-Oct-2014 10:28:04 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1: RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2: RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK019

First Level Reviewer: malaspinar

Date: 10-Oct-2014 09:39:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

M

1	4.295	4.296	-0.001	262466	0.1750	0.1847	M
2	4.106	4.107	-0.001	1283456	0.1750	0.1995	

RPD = 7.73

\$ 2 1-Bromo-3-Chloropropane (Surr)

M

1	6.709	6.710	-0.001	52368	0.1750	0.1620	M
2	6.302	6.303	-0.001	205527	0.1750	0.1569	M

RPD = 3.22

1 1,2,3-Trichloropropane

M

1	8.142	8.140	0.002	22542	0.1750	0.1414	M
2	7.869	7.870	-0.001	109040	0.1750	0.1666	M

RPD = 16.37

4 1,2-Dibromo-3-Chloropropane

1	11.315	11.316	-0.001	451592	0.1750	0.1816	
2	11.422	11.423	-0.001	1834246	0.1750	0.1883	

RPD = 3.67

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCVRT 200-78530/1-A Calibration Date: 10/10/2014 15:45
Instrument ID: CH0911.i Calib Start Date: 10/09/2014 18:20
GC Column: RTX-CLP ID: 0.32 (mm) Calib End Date: 10/09/2014 20:49
Lab File ID: 9955_04.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromoethane	Ave	1421070	1404033		1.73	3.50	-1.2	30.0
1,2,3-Trichloropropane	Ave	159410	164054		1.80	3.50	2.9	30.0
1,2-Dibromo-3-Chloropropane	Ave	2487401	2462214		1.73	3.50	-1.0	30.0
1-Bromo-3-Chloropropane (Surr)	Ave	323160	304429		1.65	3.50	-5.8	30.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCVRT 200-78530/1-A Calibration Date: 10/10/2014 15:45
Instrument ID: CH0911.i Calib Start Date: 10/09/2014 18:20
GC Column: RTX-CLP ID: 0.32 (mm) Calib End Date: 10/09/2014 20:49
Lab File ID: 9955_04.D

Analyte	RT	RT WINDOW	
		FROM	TO
1,2-Dibromoethane	4.30	4.25	4.35
1,2,3-Trichloropropane	8.14	8.09	8.19
1,2-Dibromo-3-Chloropropane	11.32	11.27	11.37
1-Bromo-3-Chloropropane (Surr)	6.71	6.66	6.76

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_04.D
 Lims ID: CCVRT 200-78530/1-A
 Client ID:
 Sample Type: CCVRT
 Inject. Date: 10-Oct-2014 15:45:33 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-004
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: malaspinar Date: 11-Oct-2014 08:36:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

1	4.300	4.300	0.000	2457057	1.75	1.73
2	4.111	4.111	0.000	10252650	1.75	1.59

RPD = 8.13

\$ 2 1-Bromo-3-Chloropropane (Surr)

M

1	6.710	6.710	0.000	532751	1.75	1.65	M
2	6.307	6.307	0.000	2336841	1.75	1.78	M

RPD = 7.90

1 1,2,3-Trichloropropane

M

1	8.144	8.144	0.000	287094	1.75	1.80	M
2	7.871	7.871	0.000	1152045	1.75	1.76	M

RPD = 2.28

4 1,2-Dibromo-3-Chloropropane

1	11.320	11.320	0.000	4308874	1.75	1.73
2	11.424	11.424	0.000	16571844	1.75	1.70

RPD = 1.79

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 350.00

Units: uL

Report Date: 13-Oct-2014 12:54:52

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_04.D

Injection Date: 10-Oct-2014 15:45:33

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: CCVRT 200-78530/1-A

Worklist Smp#: 4

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

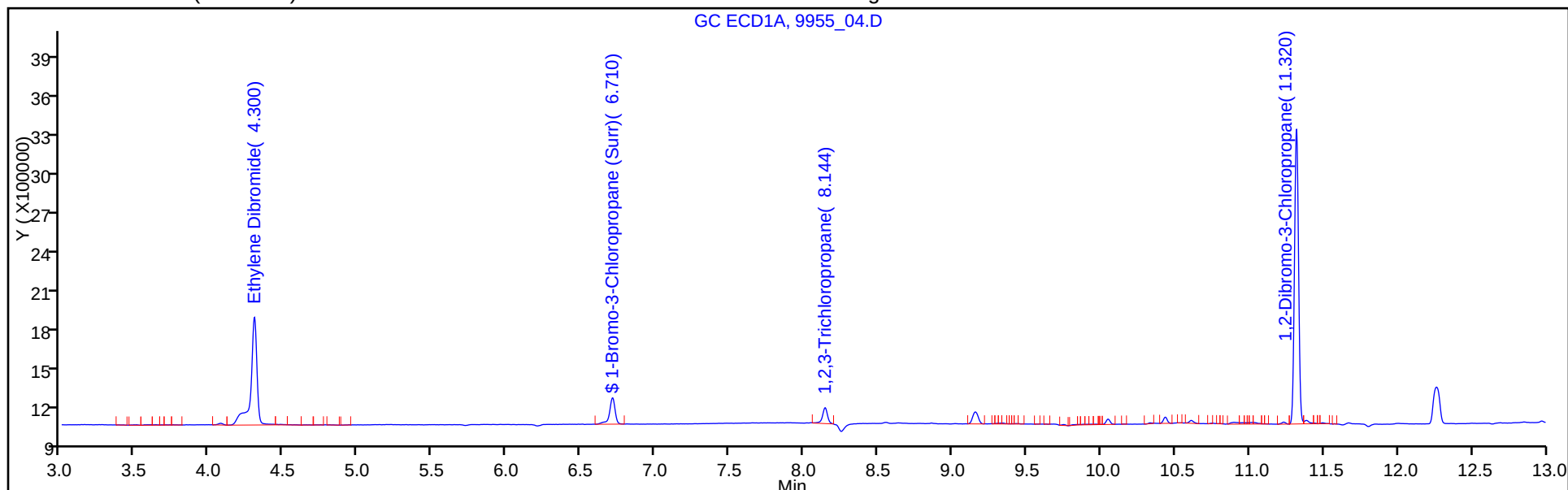
ALS Bottle#: 4

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

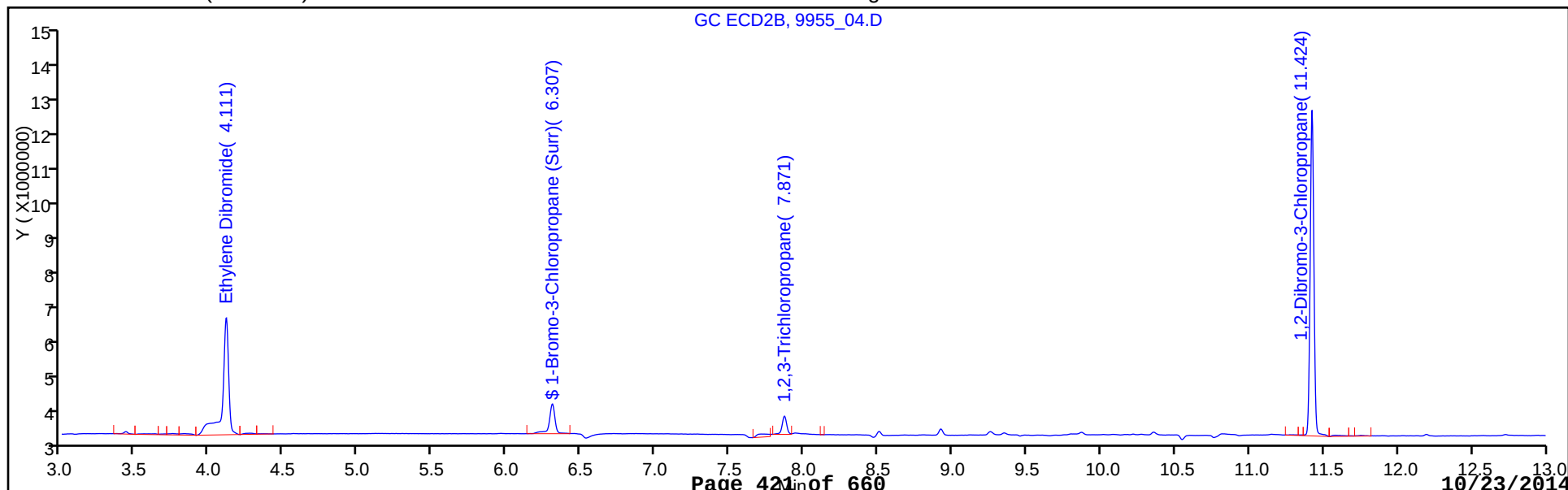
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_04.D

Injection Date: 10-Oct-2014 15:45:33

Instrument ID: CH0911.i

Lims ID: CCVRT 200-78530/1-A

Client ID:

Operator ID: RRM

ALS Bottle#:

4

Worklist Smp#: 4

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

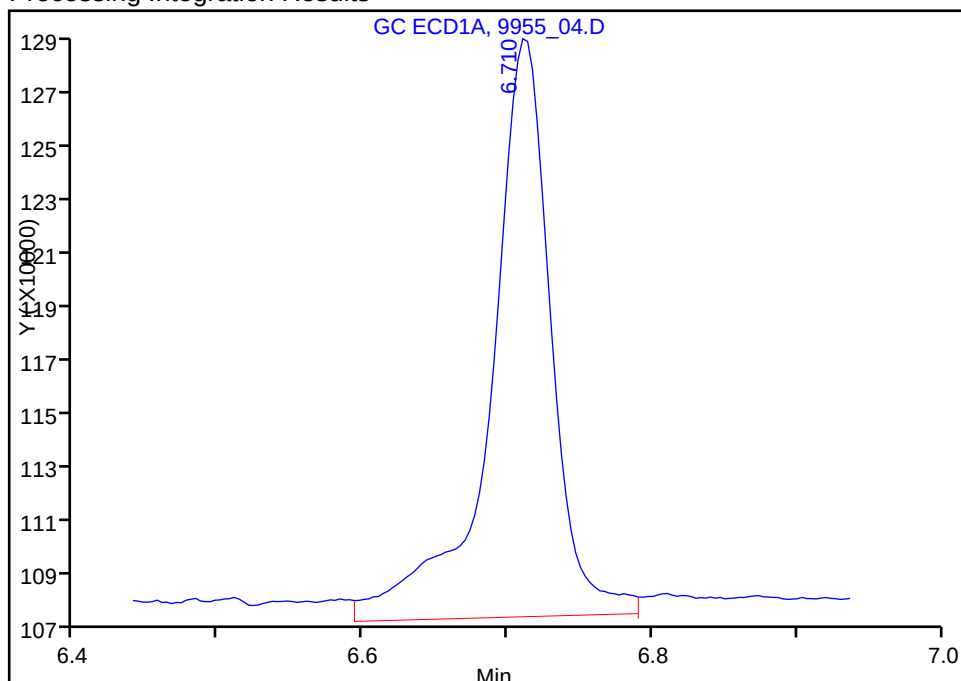
Column: RTX-CLP (0.32 mm)

Detector

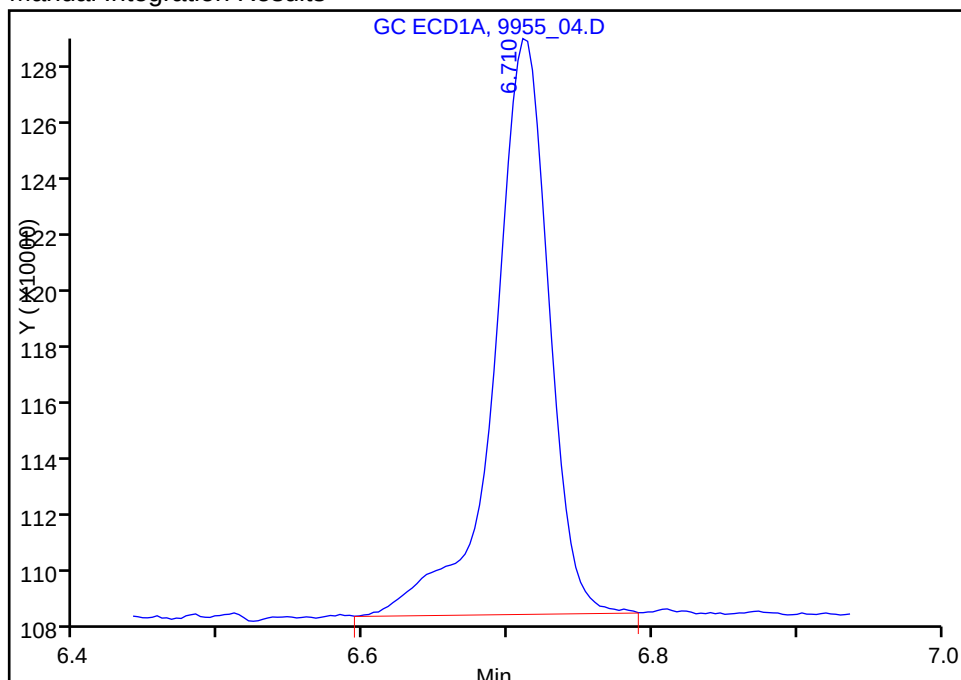
GC ECD1A

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.71
Response: 610466
Amount: 1.889050

Manual Integration Results

RT: 6.71
Response: 532751
Amount: 1.648565

Reviewer: malaspinar, 11-Oct-2014 08:36:49

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_04.D

Injection Date: 10-Oct-2014 15:45:33

Instrument ID: CH0911.i

Lims ID: CCVRT 200-78530/1-A

Client ID:

Operator ID: RRM

ALS Bottle#:

4

Worklist Smp#: 4

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

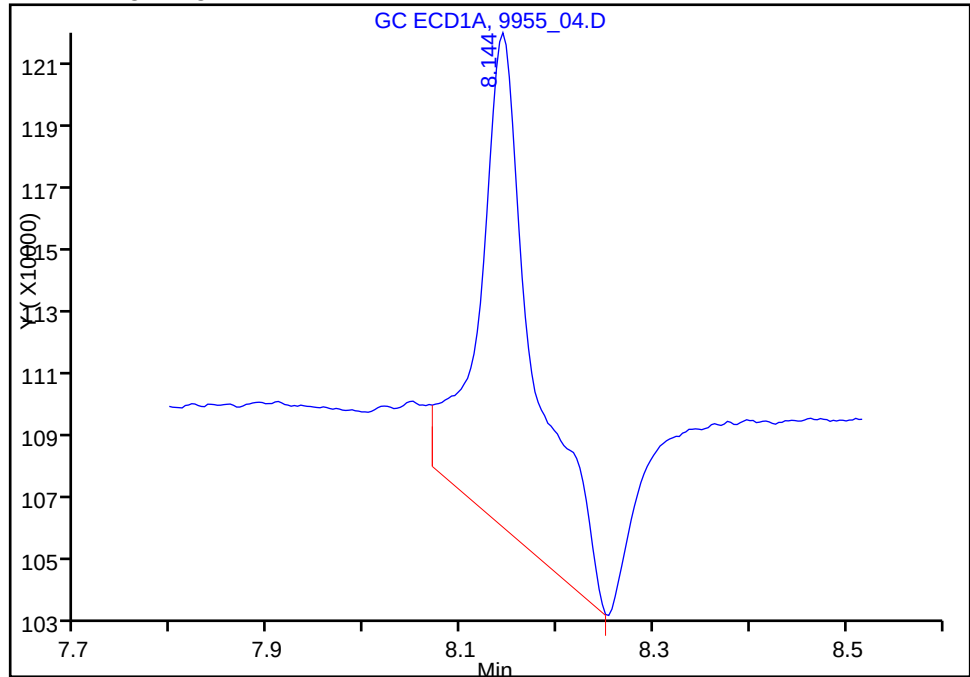
Column: RTX-CLP (0.32 mm)

Detector: GC ECD1A

1 1,2,3-Trichloropropane, CAS: 96-18-4

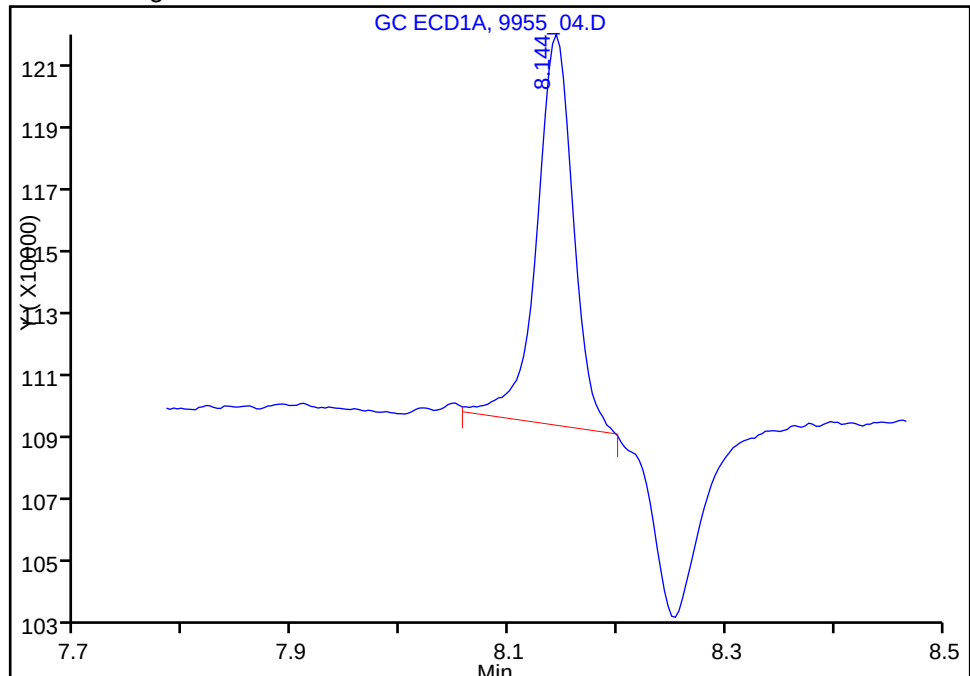
Processing Integration Results

RT: 8.14
Response: 612384
Amount: 3.841566



Manual Integration Results

RT: 8.14
Response: 287094
Amount: 1.800979



Reviewer: malaspinar, 11-Oct-2014 08:36:49

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCVRT 200-78530/1-A Calibration Date: 10/10/2014 15:45
Instrument ID: CH0911.i Calib Start Date: 10/09/2014 18:20
GC Column: RTX-CLPII ID: 0.32 (mm) Calib End Date: 10/09/2014 20:49
Lab File ID: 9955_04.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromoethane	Ave	6432068	5858657		1.59	3.50	-8.9	30.0
1,2,3-Trichloropropane	Ave	654441	658311		1.76	3.50	0.6	30.0
1,2-Dibromo-3-Chloropropane	Ave	9738914	9469625		1.70	3.50	-2.8	30.0
1-Bromo-3-Chloropropane (Surr)	Ave	1309778	1335338		1.78	3.50	2.0	30.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCVRT 200-78530/1-A Calibration Date: 10/10/2014 15:45
Instrument ID: CH0911.i Calib Start Date: 10/09/2014 18:20
GC Column: RTX-CLPII ID: 0.32 (mm) Calib End Date: 10/09/2014 20:49
Lab File ID: 9955_04.D

Analyte	RT	RT WINDOW	
		FROM	TO
1,2-Dibromoethane	4.11	4.06	4.16
1,2,3-Trichloropropane	7.87	7.82	7.92
1,2-Dibromo-3-Chloropropane	11.42	11.37	11.47
1-Bromo-3-Chloropropane (Surr)	6.31	6.26	6.36

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_04.D
 Lims ID: CCVRT 200-78530/1-A
 Client ID:
 Sample Type: CCVRT
 Inject. Date: 10-Oct-2014 15:45:33 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-004
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: malaspinar Date: 11-Oct-2014 08:36:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

1	4.300	4.300	0.000	2457057	1.75	1.73
2	4.111	4.111	0.000	10252650	1.75	1.59

RPD = 8.13

\$ 2 1-Bromo-3-Chloropropane (Surr)

M

1	6.710	6.710	0.000	532751	1.75	1.65	M
2	6.307	6.307	0.000	2336841	1.75	1.78	M

RPD = 7.90

1 1,2,3-Trichloropropane

M

1	8.144	8.144	0.000	287094	1.75	1.80	M
2	7.871	7.871	0.000	1152045	1.75	1.76	M

RPD = 2.28

4 1,2-Dibromo-3-Chloropropane

1	11.320	11.320	0.000	4308874	1.75	1.73
2	11.424	11.424	0.000	16571844	1.75	1.70

RPD = 1.79

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 350.00

Units: uL

Report Date: 13-Oct-2014 12:54:52

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_04.D

Injection Date: 10-Oct-2014 15:45:33

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: CCVRT 200-78530/1-A

Worklist Smp#: 4

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

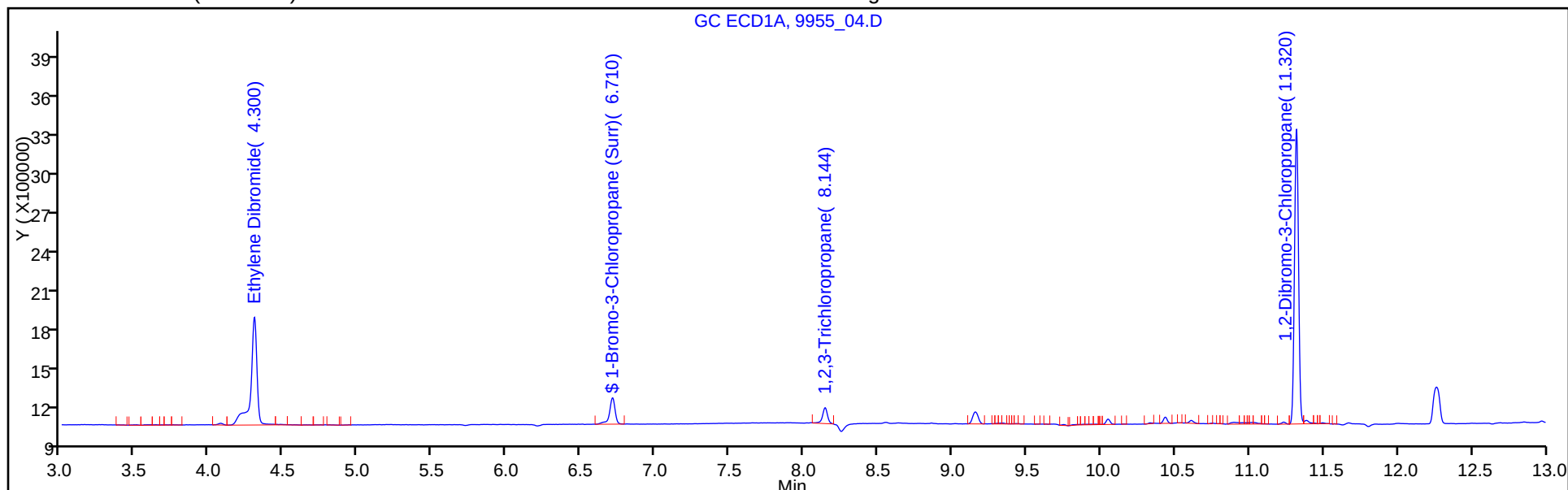
ALS Bottle#: 4

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

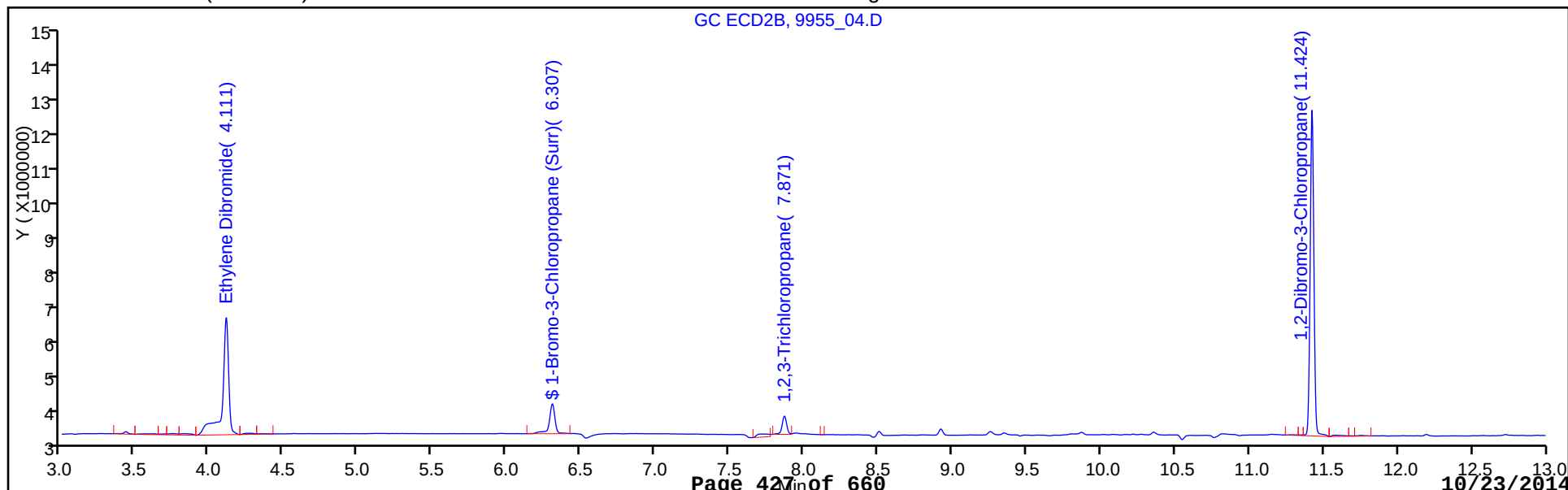
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Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



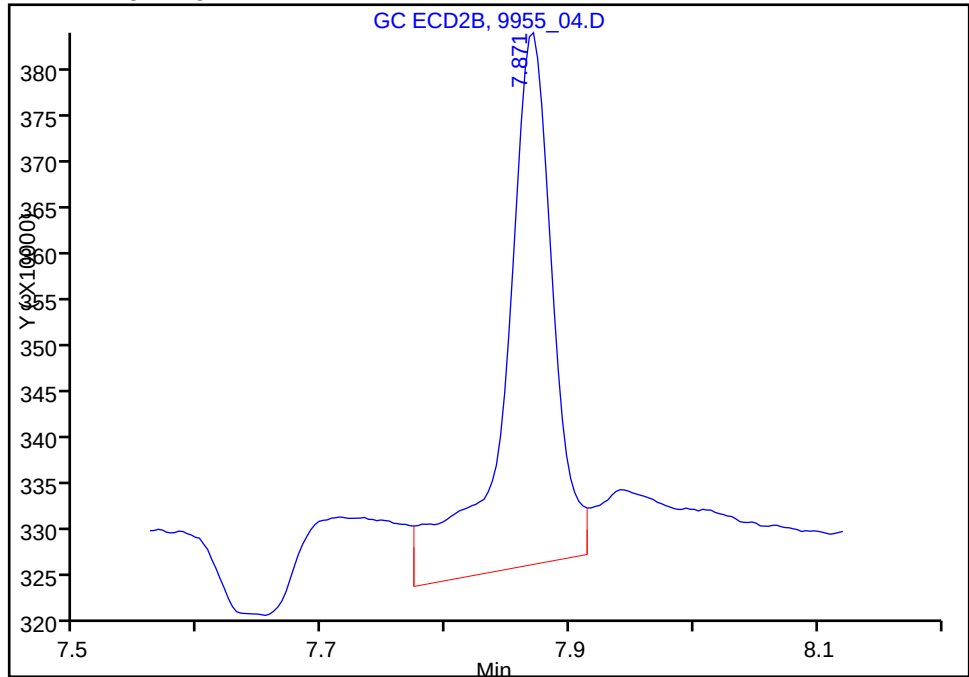
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_04.D
Injection Date: 10-Oct-2014 15:45:33 Instrument ID: CH0911.i
Lims ID: CCVRT 200-78530/1-A
Client ID:
Operator ID: RRM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Method: 504.1_CH0911.i Limit Group: GC_504.1 Limits
Column: RTX-CLPII (0.32 mm) Detector: GC ECD2B

1 1,2,3-Trichloropropane, CAS: 96-18-4

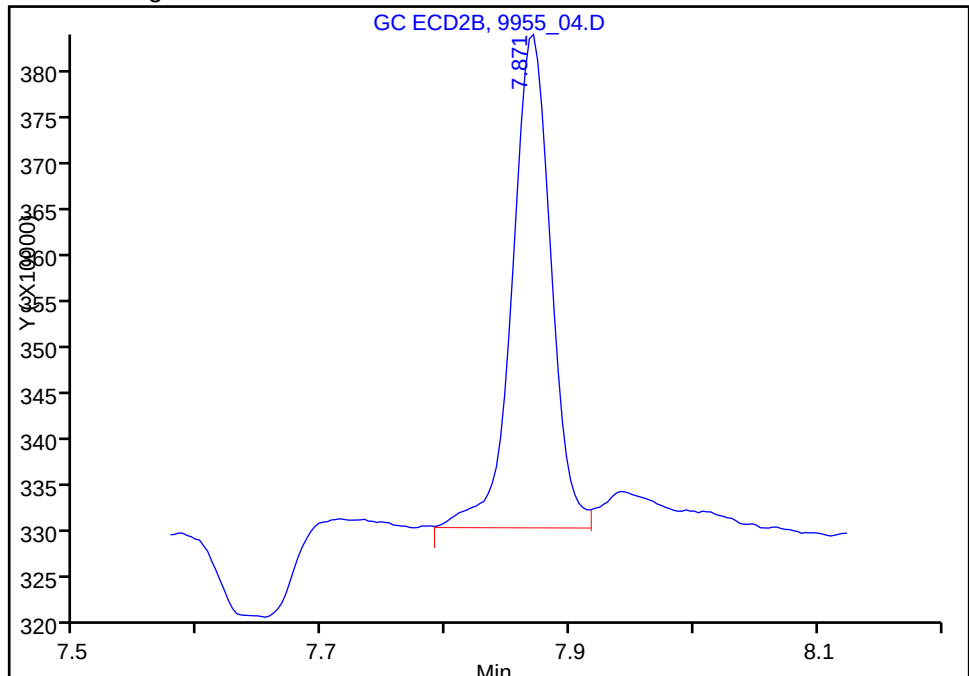
Processing Integration Results

RT: 7.87
Response: 1548641
Amount: 2.366356



Manual Integration Results

RT: 7.87
Response: 1152045
Amount: 1.760349



Reviewer: malaspinar, 11-Oct-2014 08:36:49
Audit Action: Manually Integrated
Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_04.D

Injection Date: 10-Oct-2014 15:45:33

Instrument ID: CH0911.i

Lims ID: CCVRT 200-78530/1-A

Client ID:

Operator ID: RRM

ALS Bottle#:

4

Worklist Smp#: 4

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

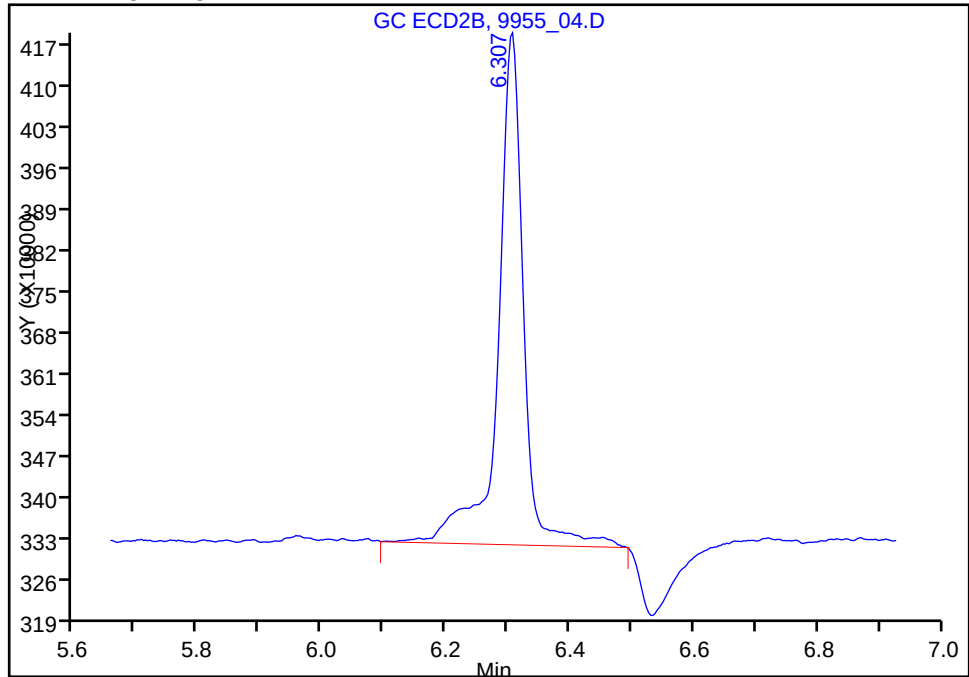
Column: RTX-CLPII (0.32 mm)

Detector

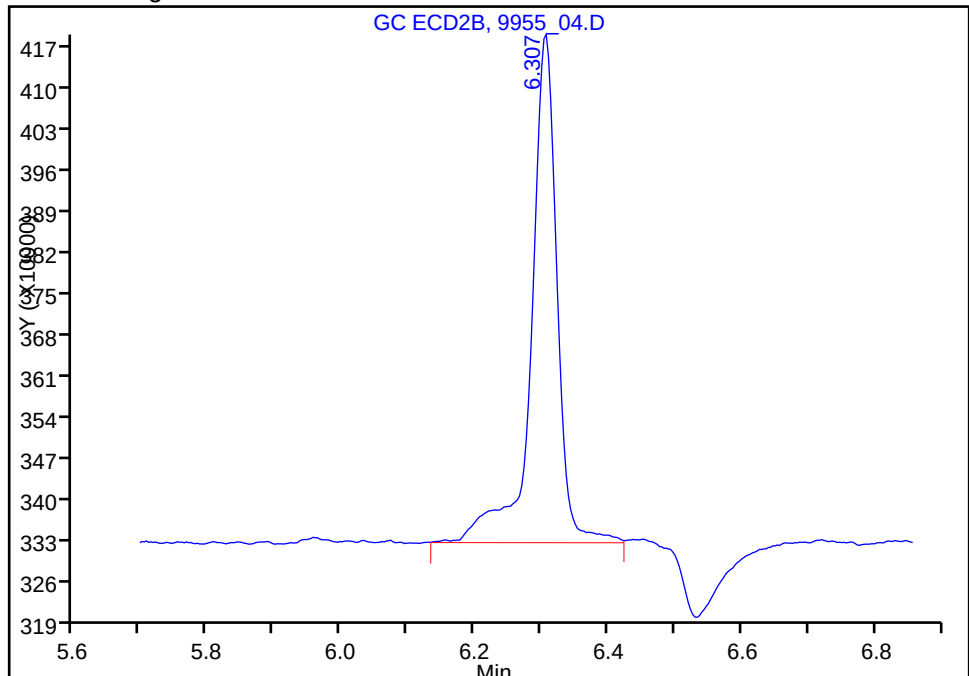
GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.31
Response: 2490231
Amount: 1.901261

Manual Integration Results

RT: 6.31
Response: 2336841
Amount: 1.784150

Reviewer: malaspinar, 11-Oct-2014 08:36:49

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCV 200-78530/12-A Calibration Date: 10/10/2014 21:13
Instrument ID: CH0911.i Calib Start Date: 10/09/2014 18:20
GC Column: RTX-CLP ID: 0.32 (mm) Calib End Date: 10/09/2014 20:49
Lab File ID: 9955_15.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromoethane	Ave	1421070	1387953		1.71	3.50	-2.3	30.0
1,2,3-Trichloropropane	Ave	159410	175414		1.93	3.50	10.0	30.0
1,2-Dibromo-3-Chloropropane	Ave	2487401	2473575		1.74	3.50	-0.6	30.0
1-Bromo-3-Chloropropane (Surr)	Ave	323160	309612		1.68	3.50	-4.2	30.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCV 200-78530/12-A Calibration Date: 10/10/2014 21:13
Instrument ID: CH0911.i Calib Start Date: 10/09/2014 18:20
GC Column: RTX-CLP ID: 0.32 (mm) Calib End Date: 10/09/2014 20:49
Lab File ID: 9955_15.D

Analyte	RT	RT WINDOW	
		FROM	TO
1,2-Dibromoethane	4.30	4.25	4.35
1,2,3-Trichloropropane	8.14	8.09	8.19
1,2-Dibromo-3-Chloropropane	11.32	11.27	11.37
1-Bromo-3-Chloropropane (Surr)	6.71	6.66	6.76

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_15.D
 Lims ID: CCV 200-78530/12-A
 Client ID:
 Sample Type: CCV
 Inject. Date: 10-Oct-2014 21:13:02 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-015
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 13-Oct-2014 12:55:00 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: malaspinar Date: 11-Oct-2014 08:46:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

1	4.298	4.300	-0.002	2428917	1.75	1.71
2	4.109	4.111	-0.002	10312571	1.75	1.60

RPD = 6.39

\$ 2 1-Bromo-3-Chloropropane (Surr)

M

1	6.712	6.710	0.002	541821	1.75	1.68	M
2	6.305	6.307	-0.002	2267939	1.75	1.73	M

RPD = 3.22

1 1,2,3-Trichloropropane

M

1	8.142	8.144	-0.002	306974	1.75	1.93	M
2	7.869	7.871	-0.002	1160430	1.75	1.77	

RPD = 8.25

4 1,2-Dibromo-3-Chloropropane

1	11.318	11.320	-0.002	4328756	1.75	1.74
2	11.422	11.424	-0.002	16684185	1.75	1.71

RPD = 1.57

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 350.00

Units: uL

Report Date: 13-Oct-2014 12:55:01

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_15.D

Injection Date: 10-Oct-2014 21:13:02

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: CCV 200-78530/12-A

Worklist Smp#: 15

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

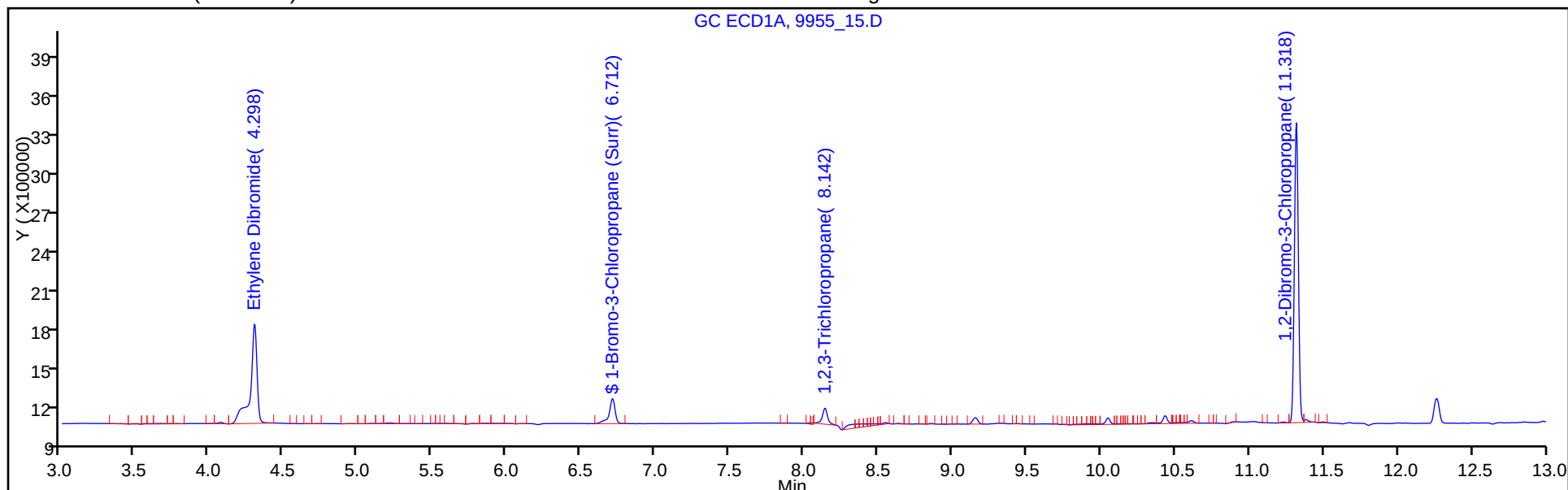
ALS Bottle#: 15

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

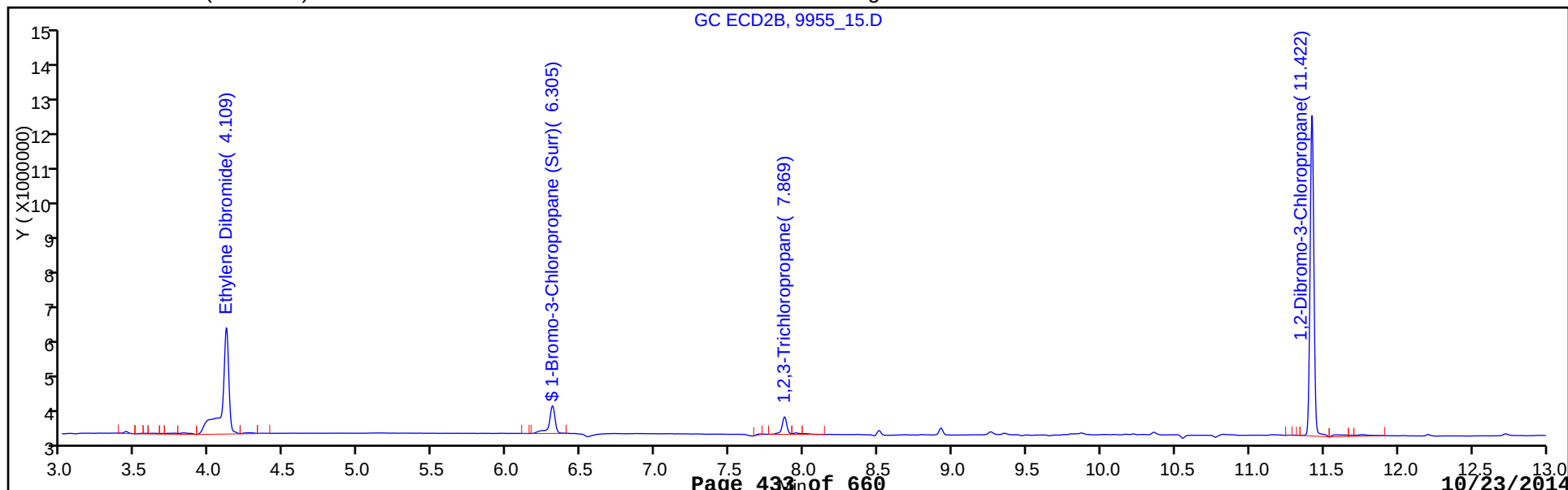
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_15.D

Injection Date: 10-Oct-2014 21:13:02

Instrument ID: CH0911.i

Lims ID: CCV 200-78530/12-A

Client ID:

Operator ID: RRM

ALS Bottle#:

15

Worklist Smp#: 15

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

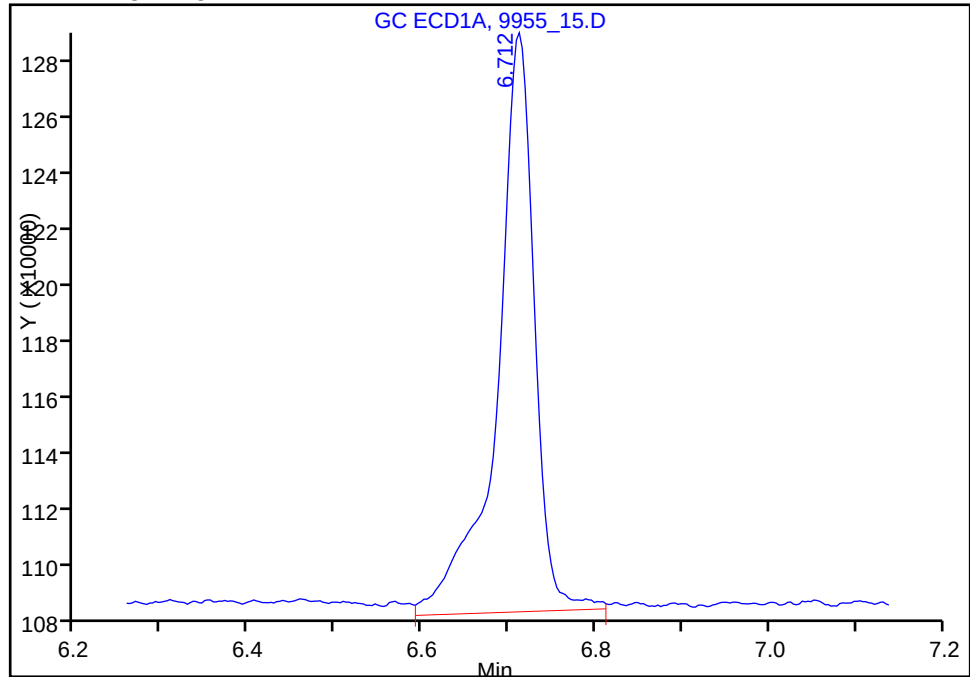
Column: RTX-CLP (0.32 mm)

Detector

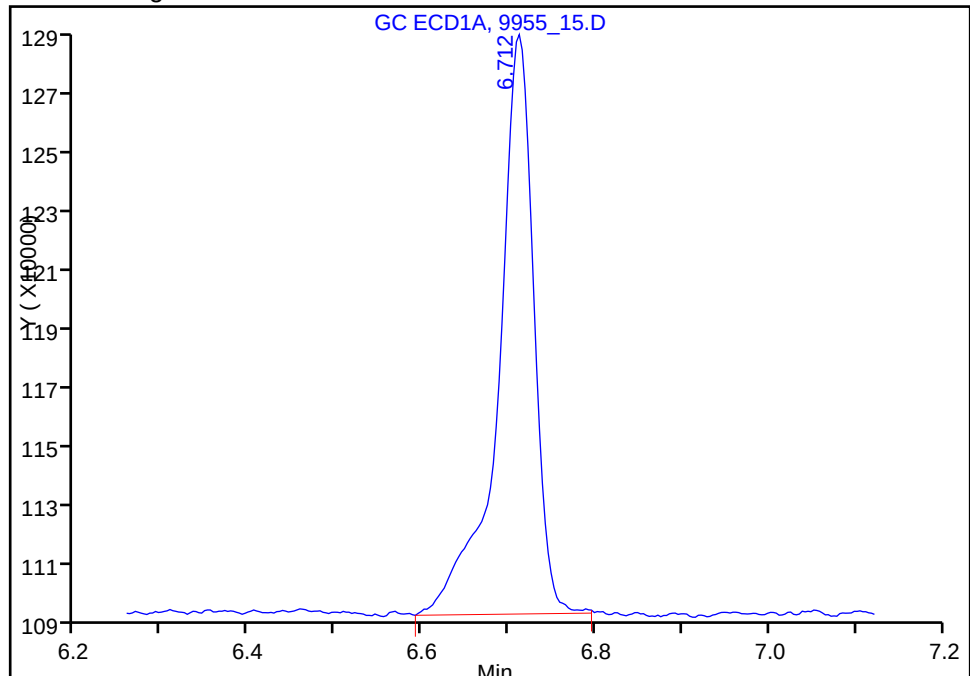
GC ECD1A

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.71
Response: 577695
Amount: 1.787642

Manual Integration Results

RT: 6.71
Response: 541821
Amount: 1.676632

Reviewer: malaspinar, 13-Oct-2014 12:39:31

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_15.D

Injection Date: 10-Oct-2014 21:13:02

Instrument ID: CH0911.i

Lims ID: CCV 200-78530/12-A

Client ID:

Operator ID: RRM

ALS Bottle#:

15

Worklist Smp#: 15

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLP (0.32 mm)

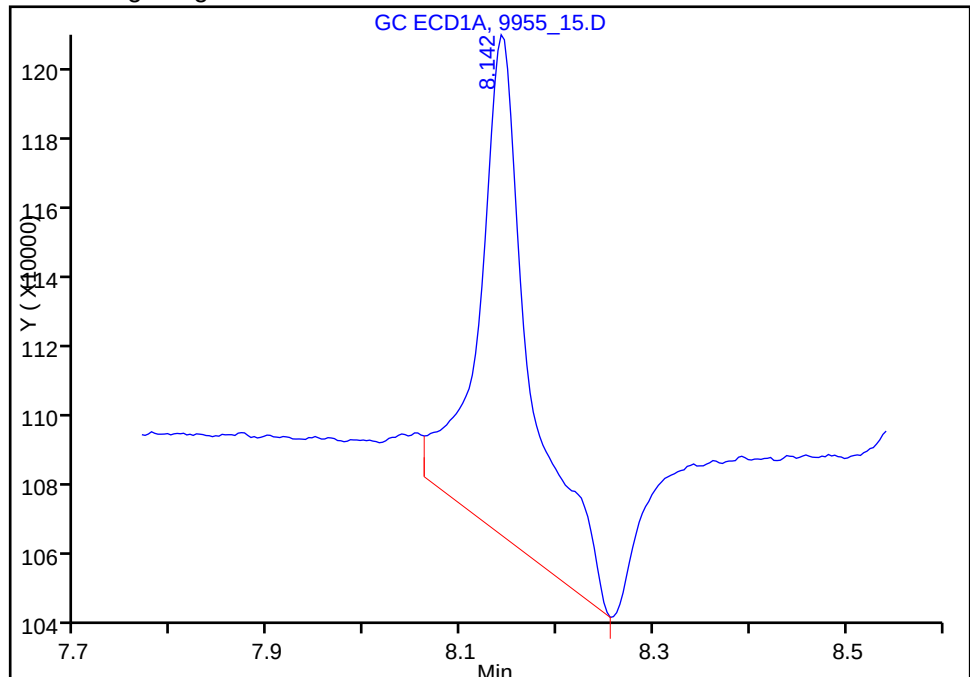
Detector

GC ECD1A

1 1,2,3-Trichloropropane, CAS: 96-18-4

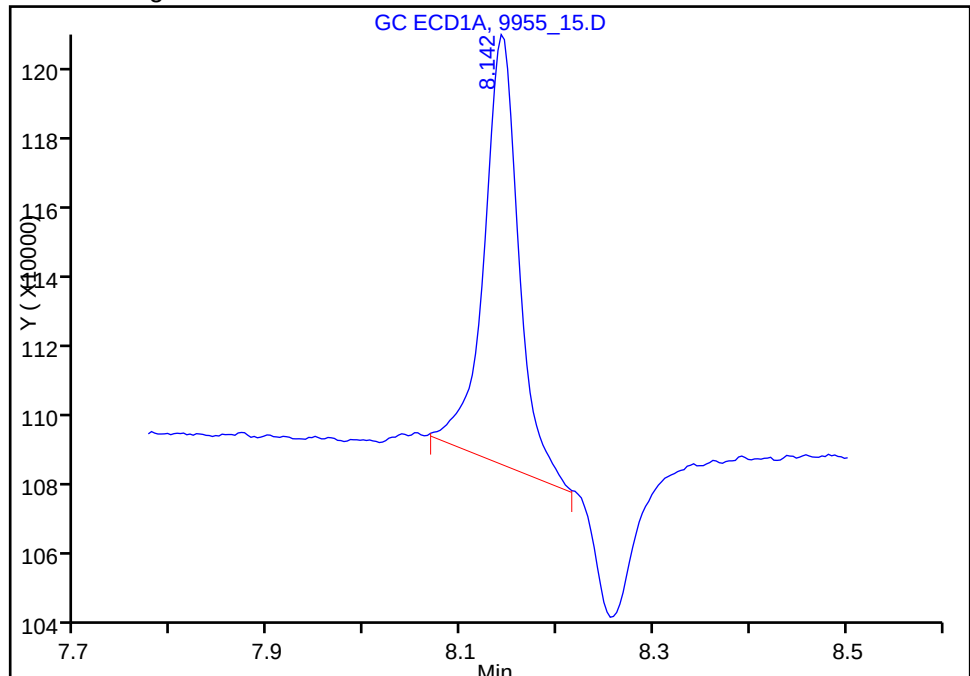
RT: 8.14
Response: 528468
Amount: 3.315150

Processing Integration Results



RT: 8.14
Response: 306974
Amount: 1.925689

Manual Integration Results



Reviewer: malaspinar, 11-Oct-2014 08:46:46

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCV 200-78530/12-A Calibration Date: 10/10/2014 21:13
Instrument ID: CH0911.i Calib Start Date: 10/09/2014 18:20
GC Column: RTX-CLPII ID: 0.32 (mm) Calib End Date: 10/09/2014 20:49
Lab File ID: 9955_15.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromoethane	Ave	6432068	5892898		1.60	3.50	-8.4	30.0
1,2,3-Trichloropropane	Ave	654441	663103		1.77	3.50	1.3	30.0
1,2-Dibromo-3-Chloropropane	Ave	9738914	9533820		1.71	3.50	-2.1	30.0
1-Bromo-3-Chloropropane (Surr)	Ave	1309778	1295965		1.73	3.50	-1.1	30.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCV 200-78530/12-A Calibration Date: 10/10/2014 21:13
Instrument ID: CH0911.i Calib Start Date: 10/09/2014 18:20
GC Column: RTX-CLPII ID: 0.32 (mm) Calib End Date: 10/09/2014 20:49
Lab File ID: 9955_15.D

Analyte	RT	RT WINDOW	
		FROM	TO
1,2-Dibromoethane	4.11	4.06	4.16
1,2,3-Trichloropropane	7.87	7.82	7.92
1,2-Dibromo-3-Chloropropane	11.42	11.37	11.47
1-Bromo-3-Chloropropane (Surr)	6.31	6.26	6.36

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_15.D
 Lims ID: CCV 200-78530/12-A
 Client ID:
 Sample Type: CCV
 Inject. Date: 10-Oct-2014 21:13:02 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-015
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 13-Oct-2014 12:55:00 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: malaspinar Date: 11-Oct-2014 08:46:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

1	4.298	4.300	-0.002	2428917	1.75	1.71	
2	4.109	4.111	-0.002	10312571	1.75	1.60	

RPD = 6.39

\$ 2 1-Bromo-3-Chloropropane (Surr)

M

1	6.712	6.710	0.002	541821	1.75	1.68	M
2	6.305	6.307	-0.002	2267939	1.75	1.73	M

RPD = 3.22

1 1,2,3-Trichloropropane

M

1	8.142	8.144	-0.002	306974	1.75	1.93	M
2	7.869	7.871	-0.002	1160430	1.75	1.77	

RPD = 8.25

4 1,2-Dibromo-3-Chloropropane

1	11.318	11.320	-0.002	4328756	1.75	1.74	
2	11.422	11.424	-0.002	16684185	1.75	1.71	

RPD = 1.57

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 350.00

Units: uL

Report Date: 13-Oct-2014 12:55:01

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_15.D

Injection Date: 10-Oct-2014 21:13:02

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: CCV 200-78530/12-A

Worklist Smp#: 15

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

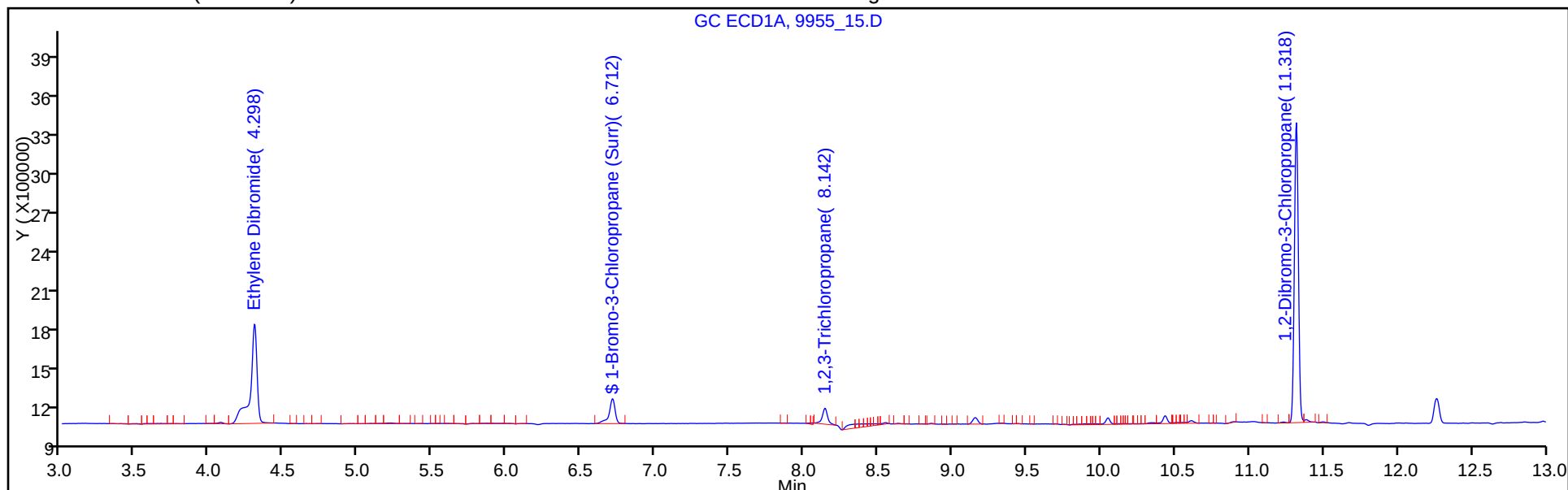
ALS Bottle#: 15

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

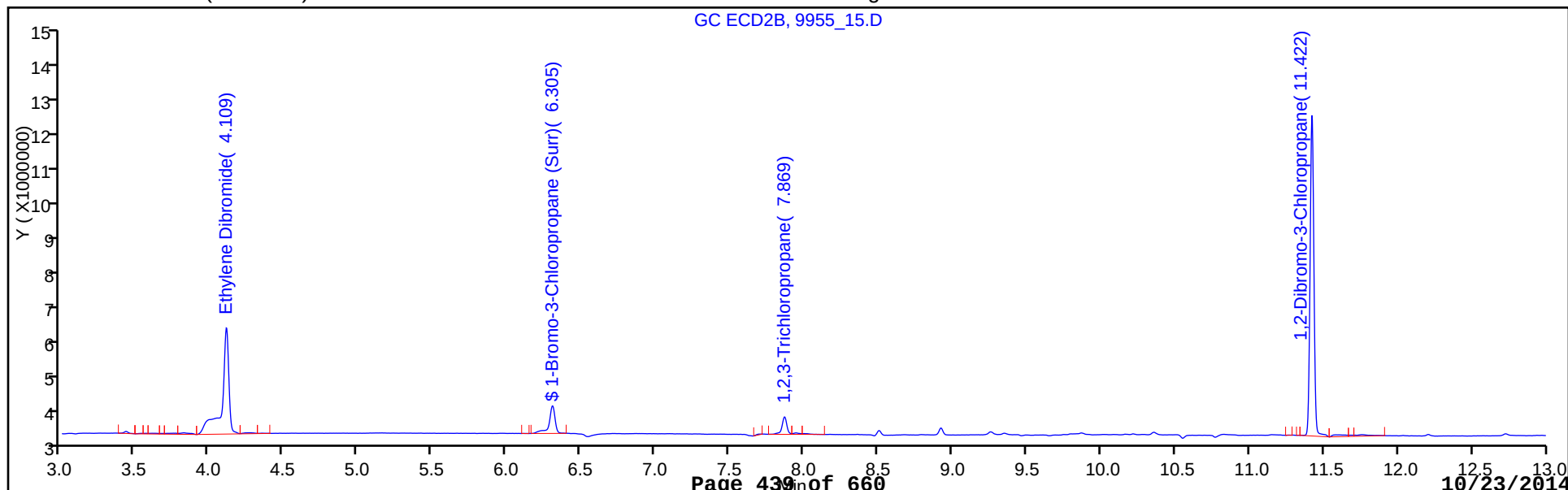
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_15.D

Injection Date: 10-Oct-2014 21:13:02

Instrument ID: CH0911.i

Lims ID: CCV 200-78530/12-A

Client ID:

Operator ID: RRM

ALS Bottle#:

15

Worklist Smp#: 15

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

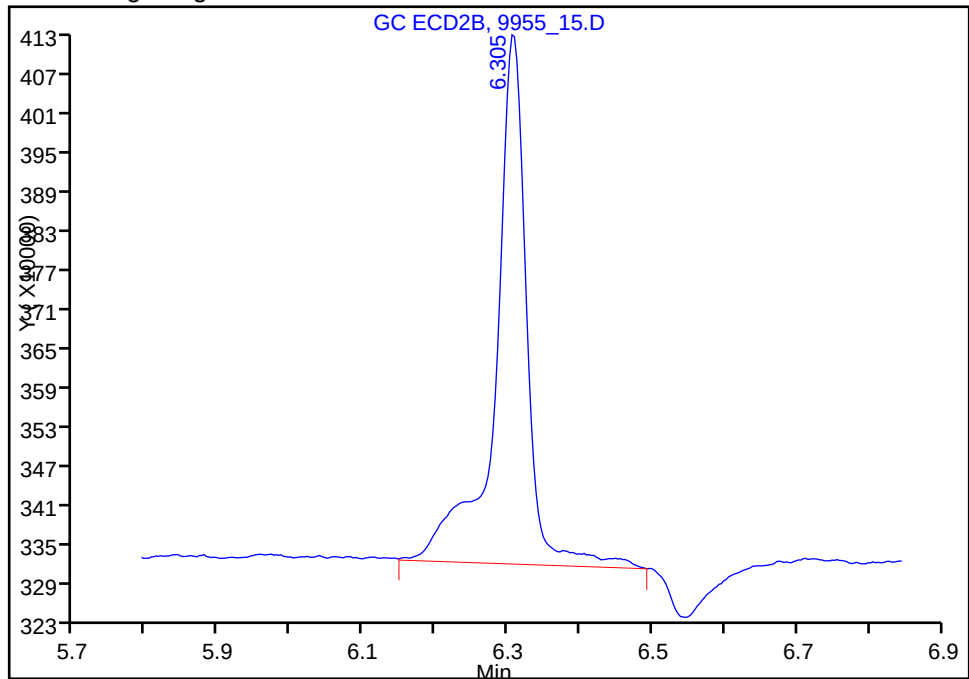
Column: RTX-CLPII (0.32 mm)

Detector

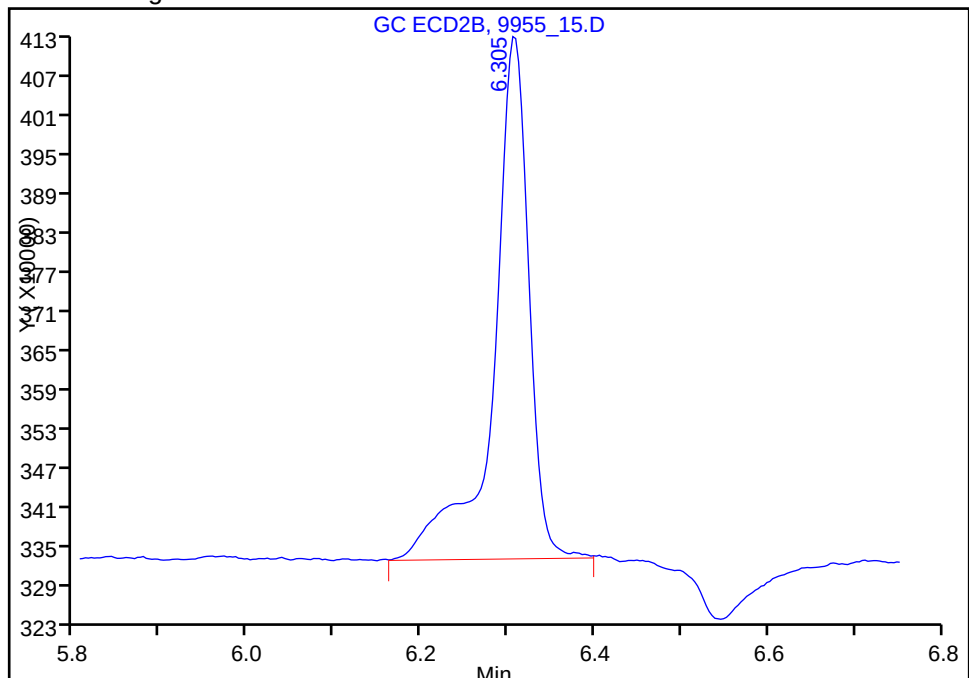
GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.31
Response: 2467997
Amount: 1.884286

Manual Integration Results

RT: 6.31
Response: 2267939
Amount: 1.731544

Reviewer: malaspinar, 13-Oct-2014 12:39:31

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCV 200-78530/16-A Calibration Date: 10/10/2014 23:11
Instrument ID: CH0911.i Calib Start Date: 10/09/2014 18:20
GC Column: RTX-CLP ID: 0.32 (mm) Calib End Date: 10/09/2014 20:49
Lab File ID: 9955_19.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromoethane	Ave	1421070	1406261		1.73	3.50	-1.0	30.0
1,2,3-Trichloropropane	Ave	159410	180737		1.98	3.50	13.4	30.0
1,2-Dibromo-3-Chloropropane	Ave	2487401	2491081		1.75	3.50	0.1	30.0
1-Bromo-3-Chloropropane (Surr)	Ave	323160	314776		1.70	3.50	-2.6	30.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCV 200-78530/16-A Calibration Date: 10/10/2014 23:11
Instrument ID: CH0911.i Calib Start Date: 10/09/2014 18:20
GC Column: RTX-CLP ID: 0.32 (mm) Calib End Date: 10/09/2014 20:49
Lab File ID: 9955_19.D

Analyte	RT	RT WINDOW	
		FROM	TO
1,2-Dibromoethane	4.30	4.25	4.35
1,2,3-Trichloropropane	8.14	8.09	8.19
1,2-Dibromo-3-Chloropropane	11.32	11.27	11.37
1-Bromo-3-Chloropropane (Surr)	6.71	6.66	6.76

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_19.D
 Lims ID: CCV 200-78530/16-A
 Client ID:
 Sample Type: CCV
 Inject. Date: 10-Oct-2014 23:11:51 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-019
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 13-Oct-2014 12:55:04 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:47:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

1	4.298	4.300	-0.002	2460957	1.75	1.73	
2	4.108	4.111	-0.003	10109278	1.75	1.57	
RPD = 9.69							

\$ 2 1-Bromo-3-Chloropropane (Surr)

1	6.711	6.710	0.001	550858	1.75	1.70	
2	6.305	6.307	-0.002	2353690	1.75	1.80	
RPD = 5.28							

1 1,2,3-Trichloropropane

1	8.141	8.144	-0.003	316289	1.75	1.98	M
2	7.871	7.871	0.000	1085937	1.75	1.66	M
RPD = 17.83							

4 1,2-Dibromo-3-Chloropropane

1	11.318	11.320	-0.002	4359391	1.75	1.75	
2	11.425	11.424	0.001	16854426	1.75	1.73	
RPD = 1.26							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 350.00

Units: uL

Report Date: 13-Oct-2014 12:55:04

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_19.D

Injection Date: 10-Oct-2014 23:11:51

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: CCV 200-78530/16-A

Worklist Smp#: 19

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

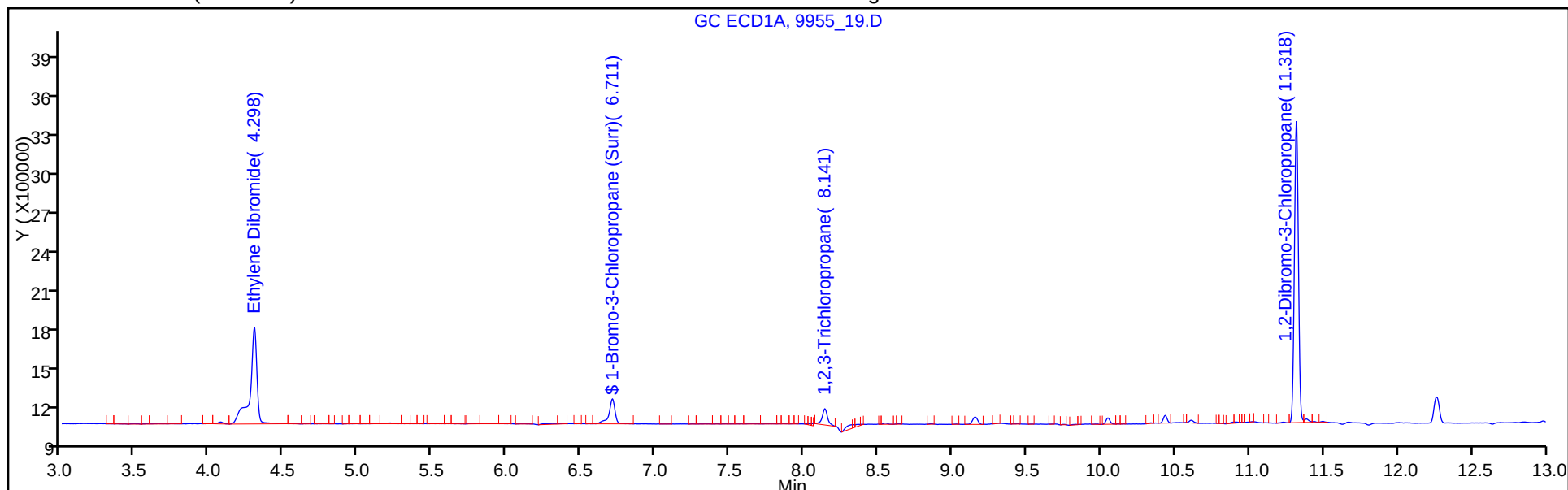
ALS Bottle#: 19

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

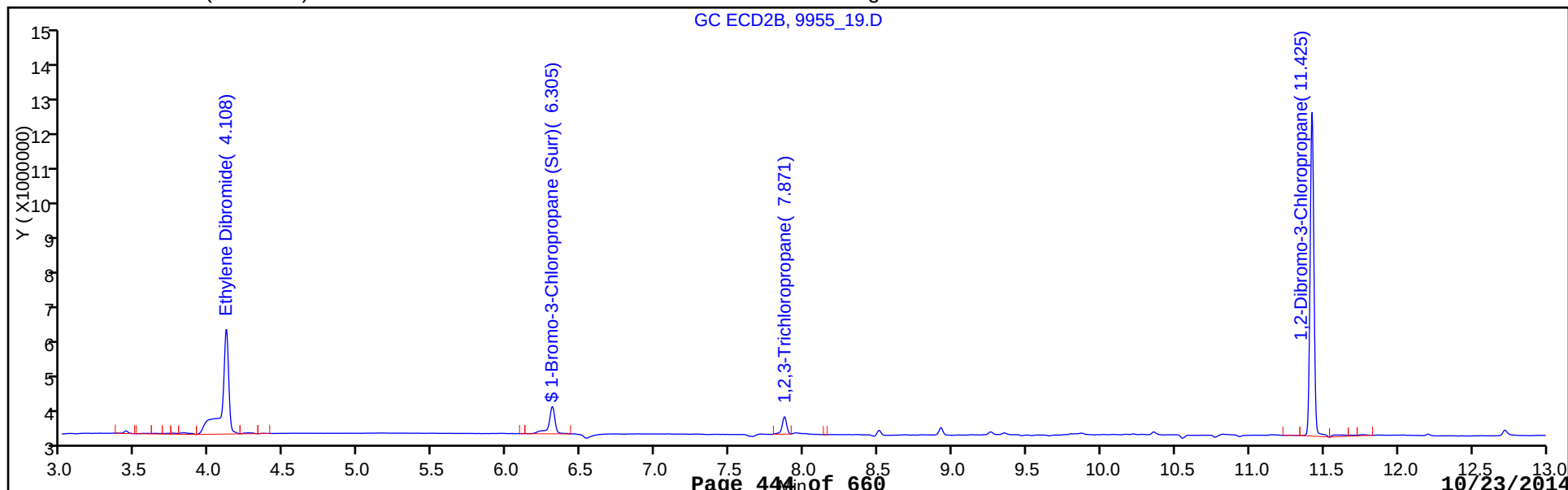
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_19.D

Injection Date: 10-Oct-2014 23:11:51

Instrument ID: CH0911.i

Lims ID: CCV 200-78530/16-A

Client ID:

Operator ID: RRM

ALS Bottle#:

19

Worklist Smp#: 19

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLP (0.32 mm)

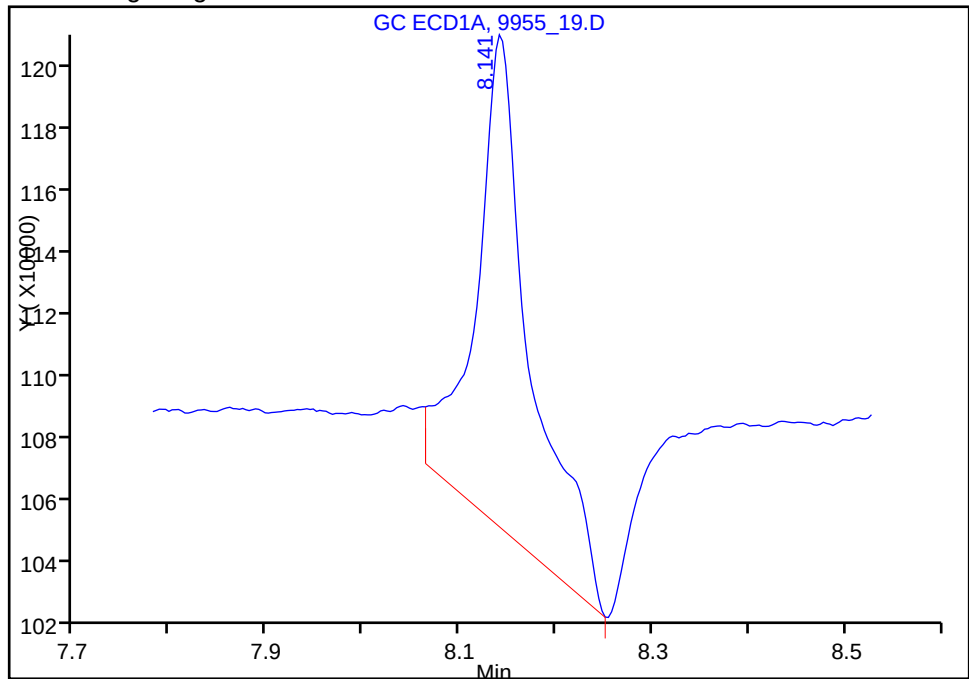
Detector

GC ECD1A

1 1,2,3-Trichloropropane, CAS: 96-18-4

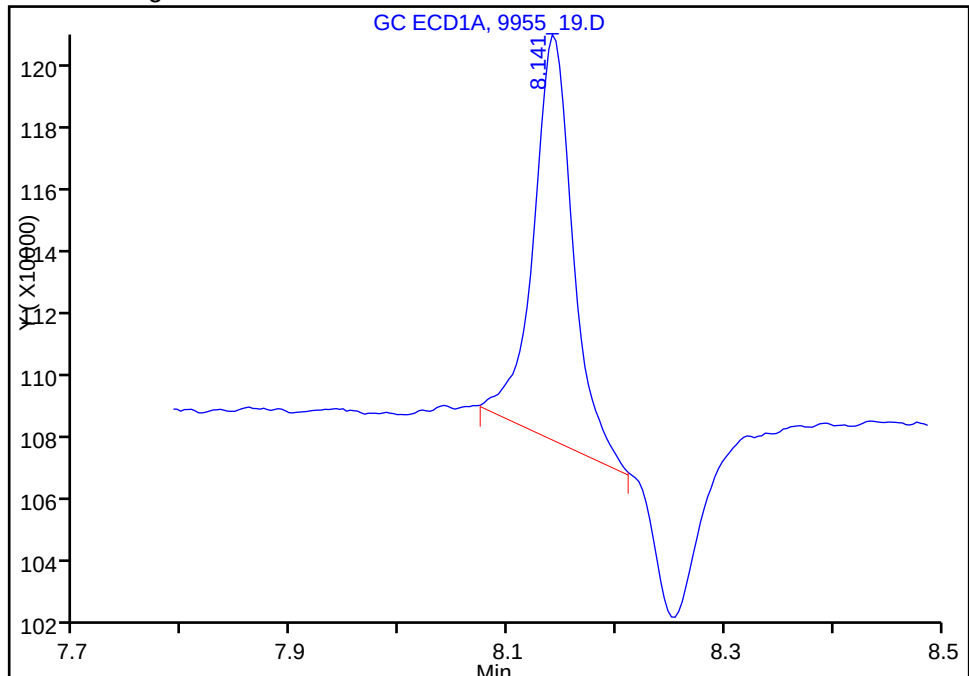
Processing Integration Results

RT: 8.14
Response: 596587
Amount: 3.742470



Manual Integration Results

RT: 8.14
Response: 316289
Amount: 1.984123



Reviewer: malaspinar, 11-Oct-2014 08:47:56

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCV 200-78530/16-A Calibration Date: 10/10/2014 23:11
Instrument ID: CH0911.i Calib Start Date: 10/09/2014 18:20
GC Column: RTX-CLPII ID: 0.32 (mm) Calib End Date: 10/09/2014 20:49
Lab File ID: 9955_19.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromoethane	Ave	6432068	5776730		1.57	3.50	-10.2	30.0
1,2,3-Trichloropropane	Ave	654441	620535		1.66	3.50	-5.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	9738914	9631101		1.73	3.50	-1.1	30.0
1-Bromo-3-Chloropropane (Surr)	Ave	1309778	1344966		1.80	3.50	2.7	30.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCV 200-78530/16-A Calibration Date: 10/10/2014 23:11
Instrument ID: CH0911.i Calib Start Date: 10/09/2014 18:20
GC Column: RTX-CLPII ID: 0.32 (mm) Calib End Date: 10/09/2014 20:49
Lab File ID: 9955_19.D

Analyte	RT	RT WINDOW	
		FROM	TO
1,2-Dibromoethane	4.11	4.06	4.16
1,2,3-Trichloropropane	7.87	7.82	7.92
1,2-Dibromo-3-Chloropropane	11.43	11.37	11.47
1-Bromo-3-Chloropropane (Surr)	6.31	6.26	6.36

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_19.D
 Lims ID: CCV 200-78530/16-A
 Client ID:
 Sample Type: CCV
 Inject. Date: 10-Oct-2014 23:11:51 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-019
 Operator ID: RRM Instrument ID: CH0911.i
 Sublist: chrom-504.1_CH0911.i*sub1
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 13-Oct-2014 12:55:04 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: malaspinar Date: 11-Oct-2014 08:47:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

1	4.298	4.300	-0.002	2460957	1.75	1.73	
2	4.108	4.111	-0.003	10109278	1.75	1.57	
RPD = 9.69							

\$ 2 1-Bromo-3-Chloropropane (Surr)

1	6.711	6.710	0.001	550858	1.75	1.70	
2	6.305	6.307	-0.002	2353690	1.75	1.80	
RPD = 5.28							

1 1,2,3-Trichloropropane

1	8.141	8.144	-0.003	316289	1.75	1.98	M
2	7.871	7.871	0.000	1085937	1.75	1.66	M
RPD = 17.83							

4 1,2-Dibromo-3-Chloropropane

1	11.318	11.320	-0.002	4359391	1.75	1.75	
2	11.425	11.424	0.001	16854426	1.75	1.73	
RPD = 1.26							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GC504LoCali_00021

Amount Added: 350.00

Units: uL

Report Date: 13-Oct-2014 12:55:05

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_19.D

Injection Date: 10-Oct-2014 23:11:51

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: CCV 200-78530/16-A

Worklist Smp#: 19

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

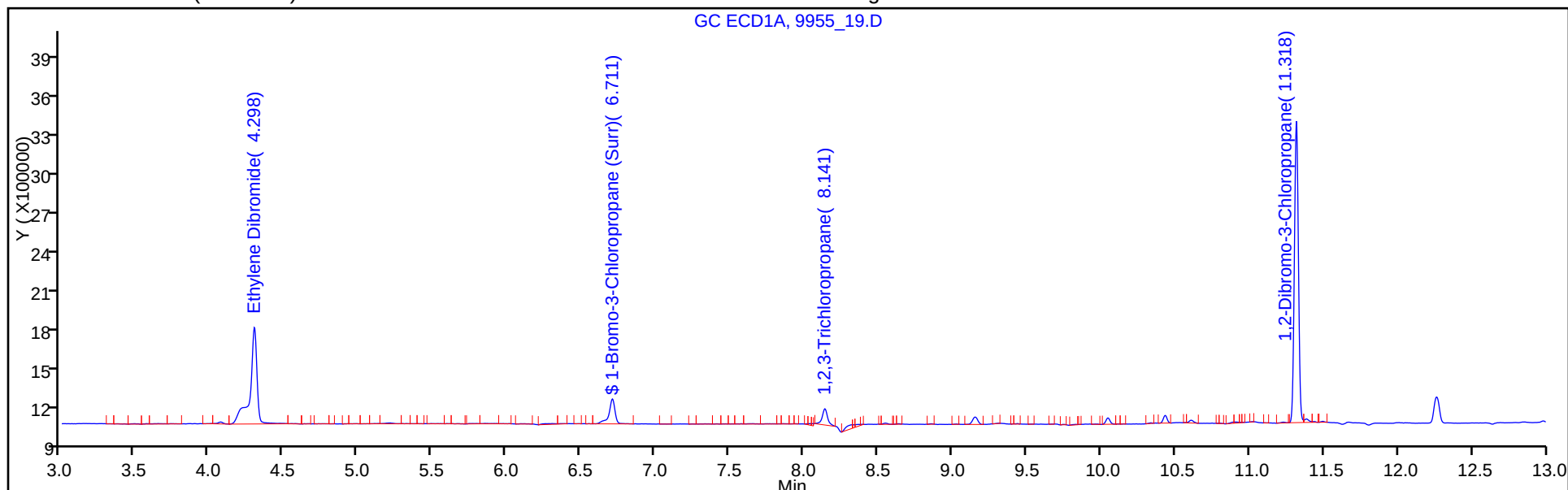
ALS Bottle#: 19

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

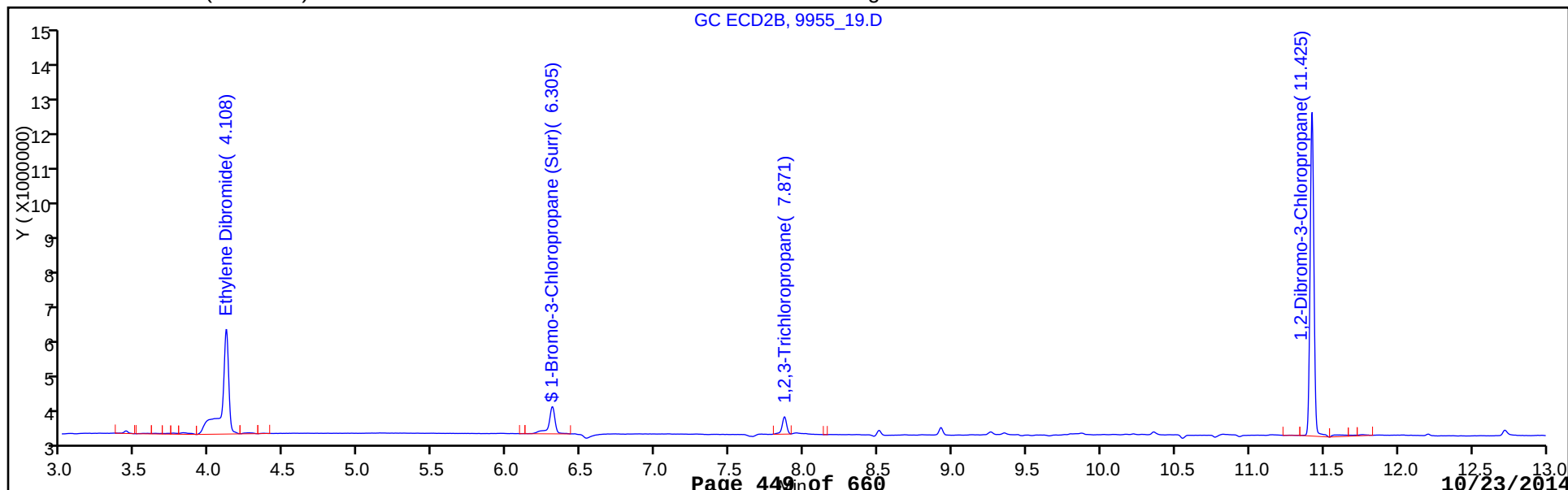
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_19.D

Injection Date: 10-Oct-2014 23:11:51

Instrument ID: CH0911.i

Lims ID: CCV 200-78530/16-A

Client ID:

Operator ID: RRM

ALS Bottle#:

19

Worklist Smp#: 19

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

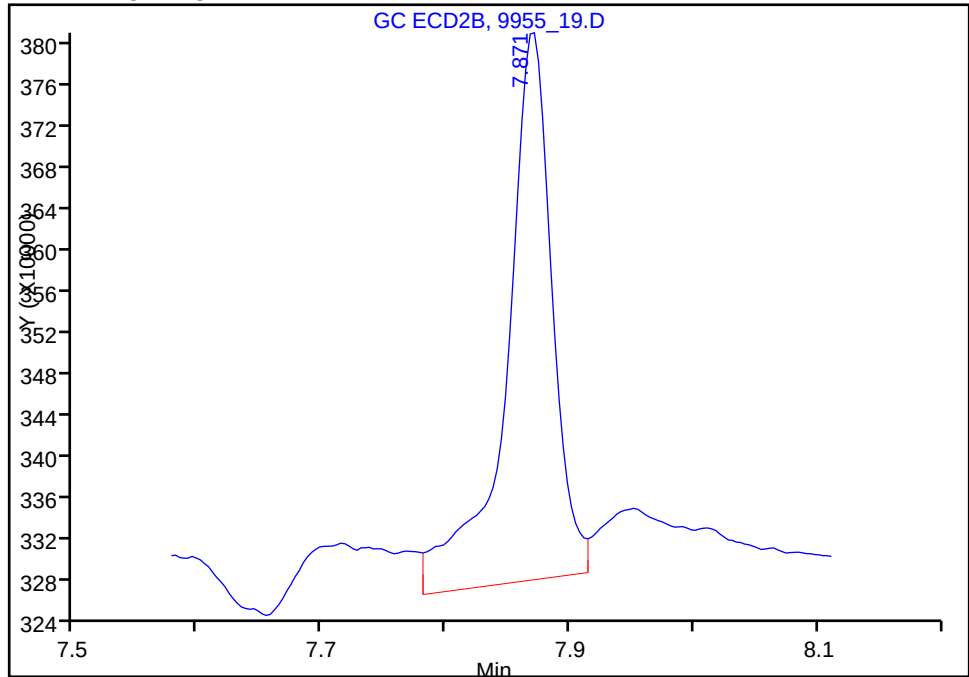
Column: RTX-CLPII (0.32 mm)

Detector

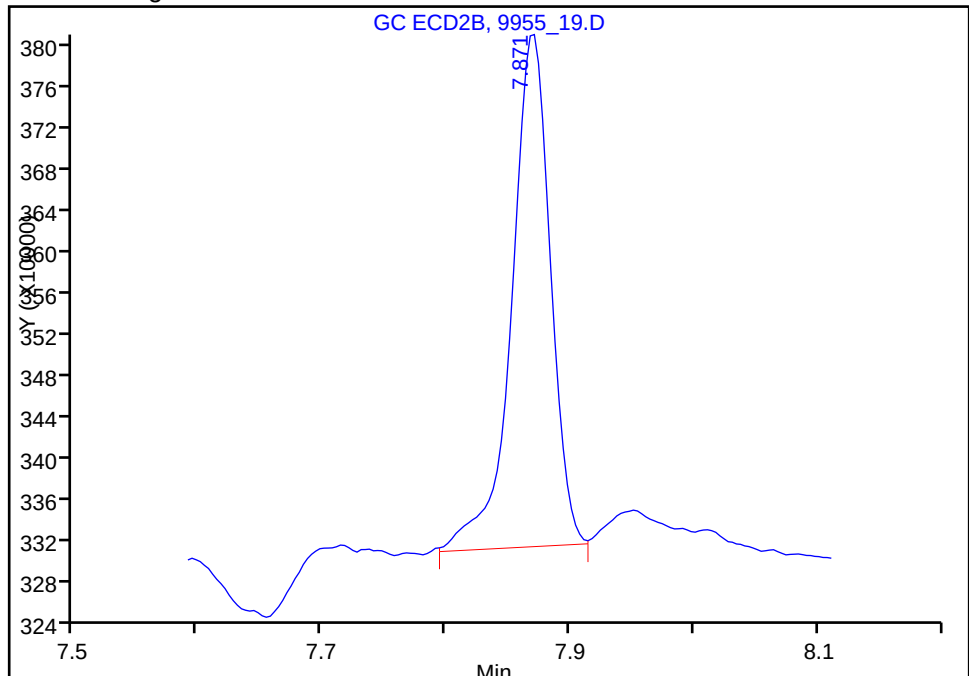
GC ECD2B

1 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Integration Results

RT: 7.87
Response: 1376206
Amount: 2.102872

Manual Integration Results

RT: 7.87
Response: 1085937
Amount: 1.659335

Reviewer: malaspinar, 11-Oct-2014 08:47:56

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: MB 200-78530/3-A
Matrix: Water Lab File ID: 9955_06.D
Analysis Method: 504.1 Date Collected: _____
Extraction Method: 504.1 Date Extracted: 10/10/2014 11:34
Sample wt/vol: 35 (mL) Date Analyzed: 10/10/2014 16:45
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1.5 (uL) GC Column: RTX-CLP ID: 0.32 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78532 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.0016
96-18-4	1,2,3-Trichloropropane	0.020	U	0.020	0.0028
96-12-8	1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.0026

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	90		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_06.D
Lims ID: MB 200-78530/3-A
Client ID:
Sample Type: MB
Inject. Date: 10-Oct-2014 16:45:14 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Sample Info: 200-0009955-006
Operator ID: RRM Instrument ID: CH0911.i
Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
Limit Group: GC_504.1 Limits
Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:38:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 2 1-Bromo-3-Chloropropane (Surr)

1	6.710	6.710	0.000	1019981	3.50	3.16
2	6.307	6.307	0.000	4303388	3.50	3.29

RPD = 4.01

Report Date: 13-Oct-2014 12:54:54

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_06.D

Injection Date: 10-Oct-2014 16:45:14

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: MB 200-78530/3-A

Worklist Smp#: 6

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

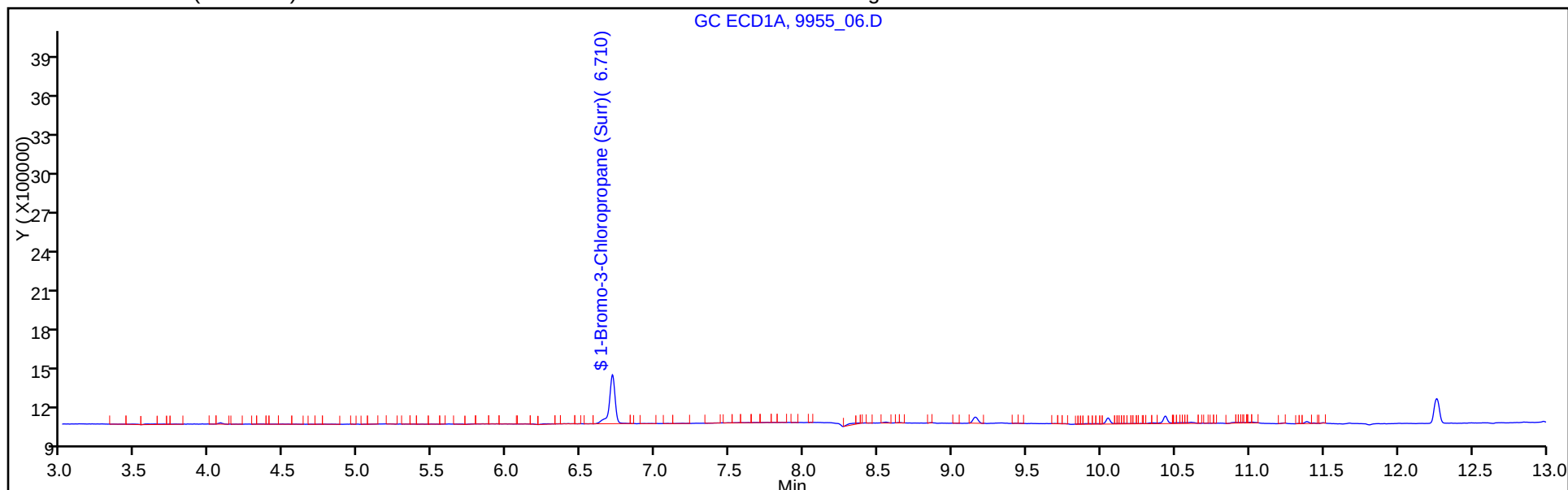
ALS Bottle#: 6

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

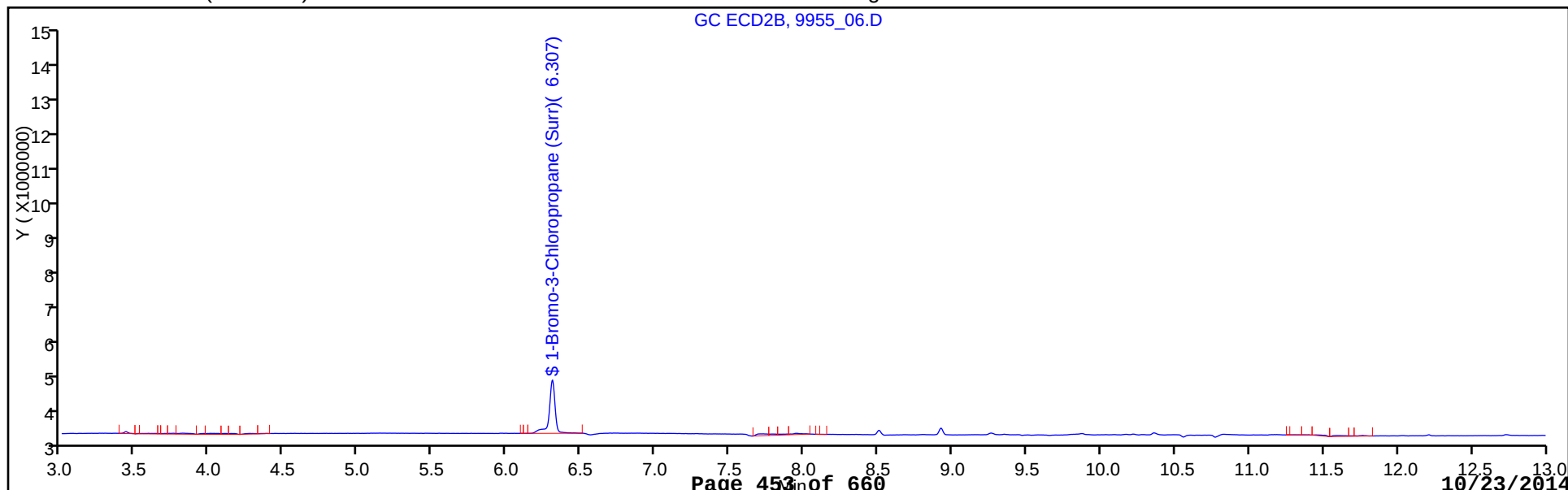
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: MB 200-78530/3-A
Matrix: Water Lab File ID: 9955_06.D
Analysis Method: 504.1 Date Collected: _____
Extraction Method: 504.1 Date Extracted: 10/10/2014 11:34
Sample wt/vol: 35 (mL) Date Analyzed: 10/10/2014 16:45
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1.5 (uL) GC Column: RTX-CLPII ID: 0.32 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78532 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	94		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_06.D
Lims ID: MB 200-78530/3-A
Client ID:
Sample Type: MB
Inject. Date: 10-Oct-2014 16:45:14 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Sample Info: 200-0009955-006
Operator ID: RRM Instrument ID: CH0911.i
Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
Limit Group: GC_504.1 Limits
Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:38:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
-----	--------------	------------------	------------------	----------	-----------------	-------------------	-------

\$ 2 1-Bromo-3-Chloropropane (Surr)

1	6.710	6.710	0.000	1019981	3.50	3.16
2	6.307	6.307	0.000	4303388	3.50	3.29

RPD = 4.01

Report Date: 13-Oct-2014 12:54:54

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_06.D

Injection Date: 10-Oct-2014 16:45:14

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: MB 200-78530/3-A

Worklist Smp#: 6

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

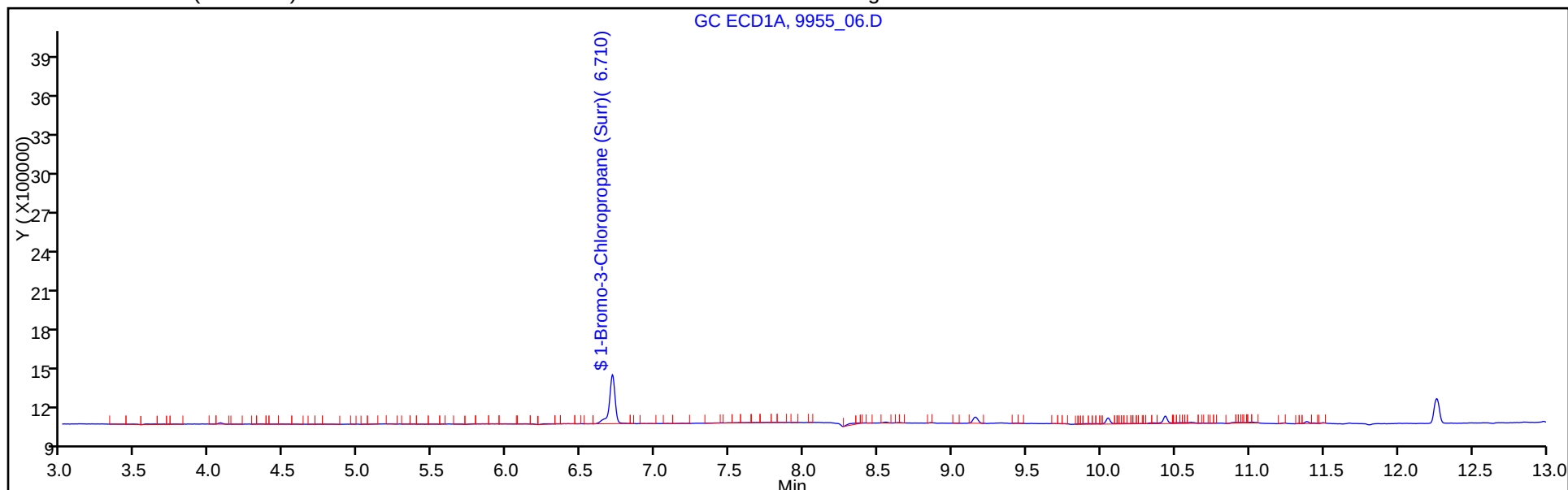
ALS Bottle#: 6

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

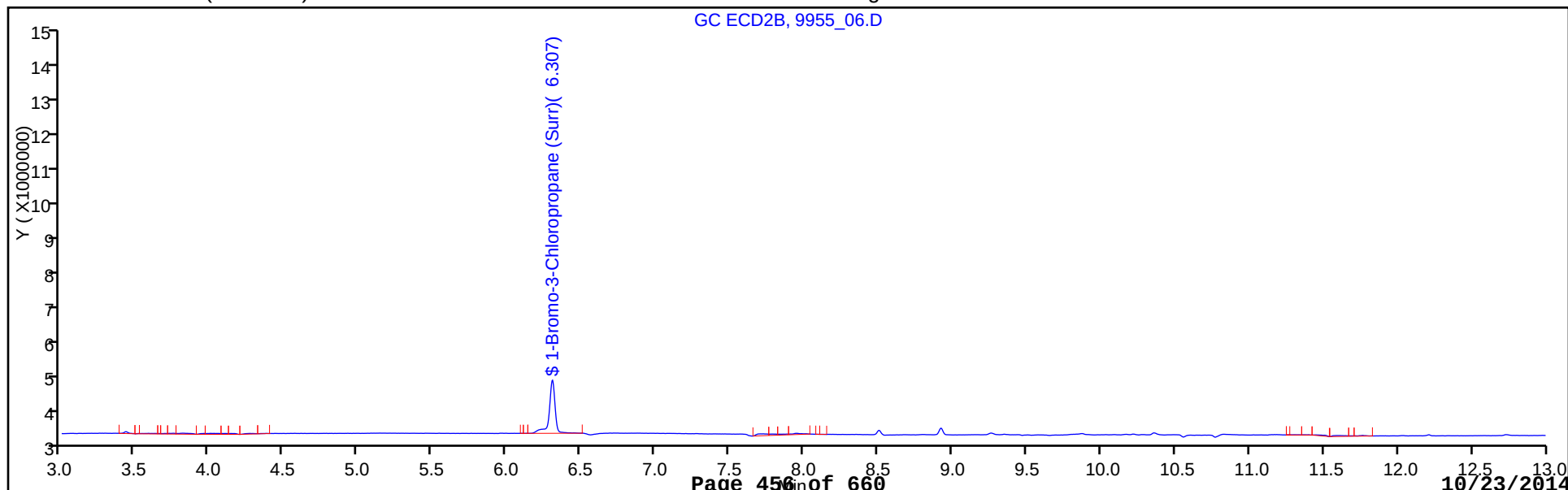
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: LCS 200-78530/5-A
Matrix: Water Lab File ID: 9955_08.D
Analysis Method: 504.1 Date Collected: _____
Extraction Method: 504.1 Date Extracted: 10/10/2014 11:34
Sample wt/vol: 35 (mL) Date Analyzed: 10/10/2014 17:44
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1.5 (uL) GC Column: RTX-CLP ID: 0.32 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78532 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
96-18-4	1,2,3-Trichloropropane	0.231		0.020	0.0028

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	89		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_08.D
 Lims ID: LCS 200-78530/5-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 10-Oct-2014 17:44:41 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-008
 Operator ID: RRM Instrument ID: CH0911.i
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:42:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

1	4.297	4.300	-0.003	5639548	4.38	3.97	
2	4.108	4.111	-0.003	22903888	4.38	3.56	
RPD = 10.83							

\$ 2 1-Bromo-3-Chloropropane (Surr)

1	6.707	6.710	-0.003	1254079	4.38	3.88	M
2	6.304	6.307	-0.003	5194102	4.38	3.97	M
RPD = 2.17							

1 1,2,3-Trichloropropane

1	8.141	8.144	-0.003	644769	4.38	4.04	M
2	7.871	7.871	0.000	2674406	4.38	4.09	
RPD = 1.03							

4 1,2-Dibromo-3-Chloropropane

1	11.317	11.320	-0.003	10433054	4.38	4.19	M
2	11.424	11.424	0.000	39113100	4.38	4.02	
RPD = 4.34							

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Oct-2014 12:54:55

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_08.D

Injection Date: 10-Oct-2014 17:44:41

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: LCS 200-78530/5-A

Worklist Smp#: 8

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

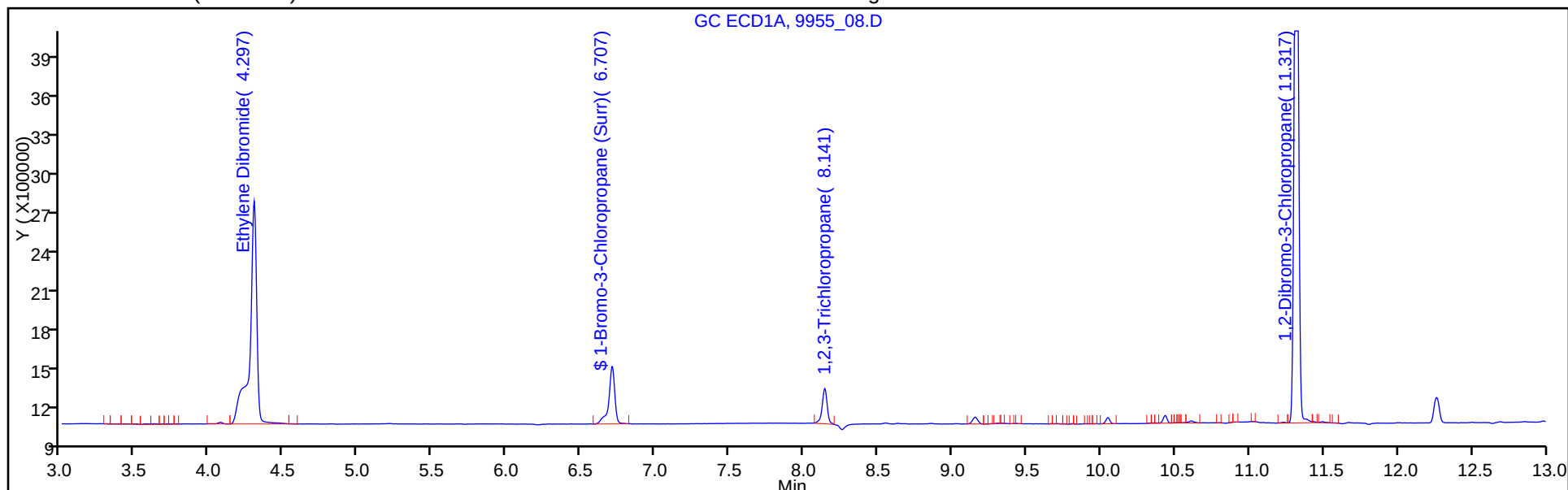
ALS Bottle#: 8

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

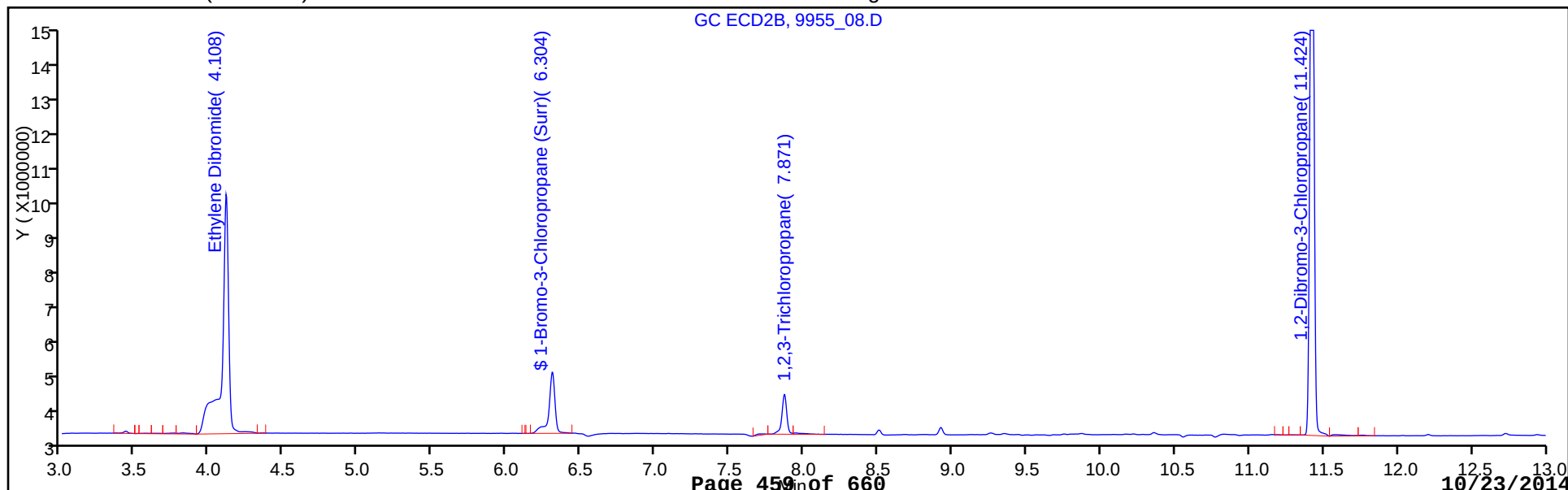
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_08.D

Injection Date: 10-Oct-2014 17:44:41

Instrument ID: CH0911.i

Lims ID: LCS 200-78530/5-A

Client ID:

Operator ID: RRM

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

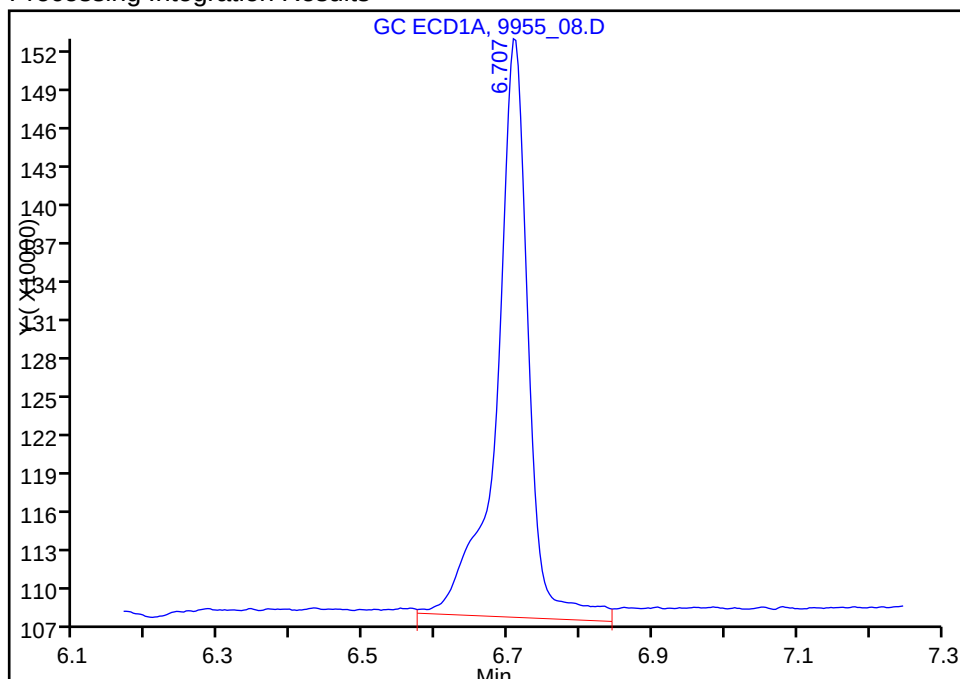
Column: RTX-CLP (0.32 mm)

Detector

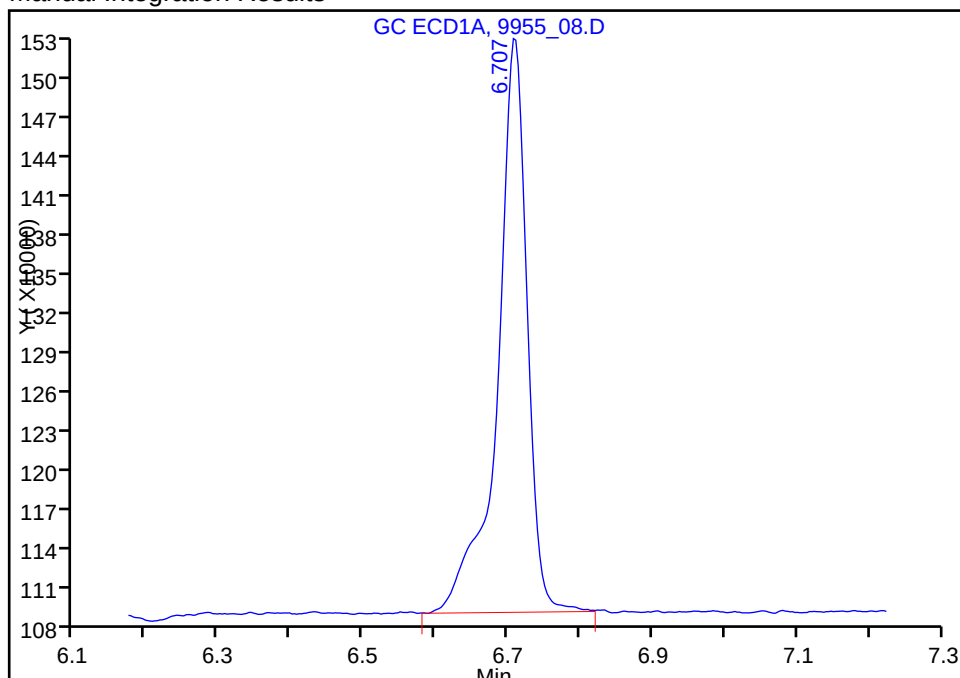
GC ECD1A

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.71
Response: 1364796
Amount: 4.223278

Manual Integration Results

RT: 6.71
Response: 1254079
Amount: 3.880671

Reviewer: malaspinar, 11-Oct-2014 08:42:16

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_08.D

Injection Date: 10-Oct-2014 17:44:41

Instrument ID: CH0911.i

Lims ID: LCS 200-78530/5-A

Client ID:

Operator ID: RRM

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLP (0.32 mm)

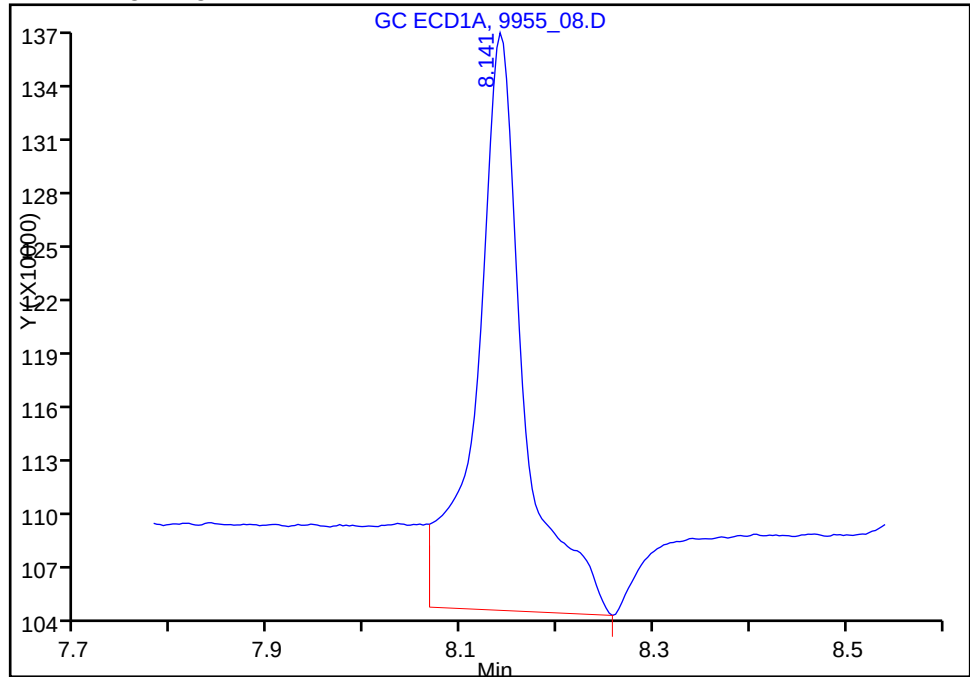
Detector

GC ECD1A

1 1,2,3-Trichloropropane, CAS: 96-18-4

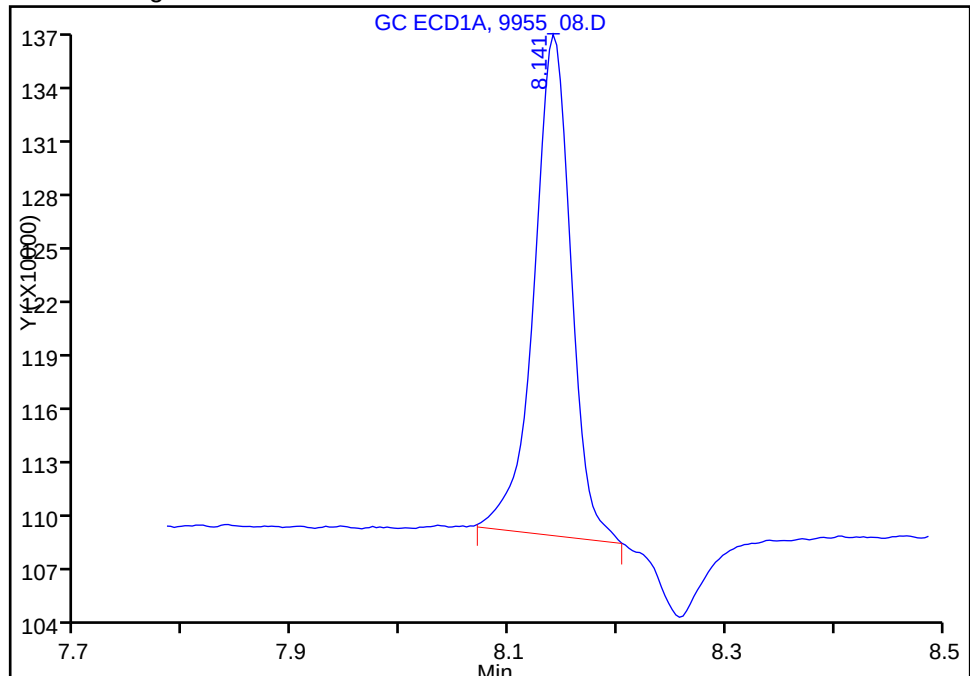
Processing Integration Results

RT: 8.14
Response: 1061265
Amount: 6.657457



Manual Integration Results

RT: 8.14
Response: 644769
Amount: 4.044722



Reviewer: malaspinar, 11-Oct-2014 08:42:16

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_08.D

Injection Date: 10-Oct-2014 17:44:41

Instrument ID: CH0911.i

Lims ID: LCS 200-78530/5-A

Client ID:

Operator ID: RRM

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

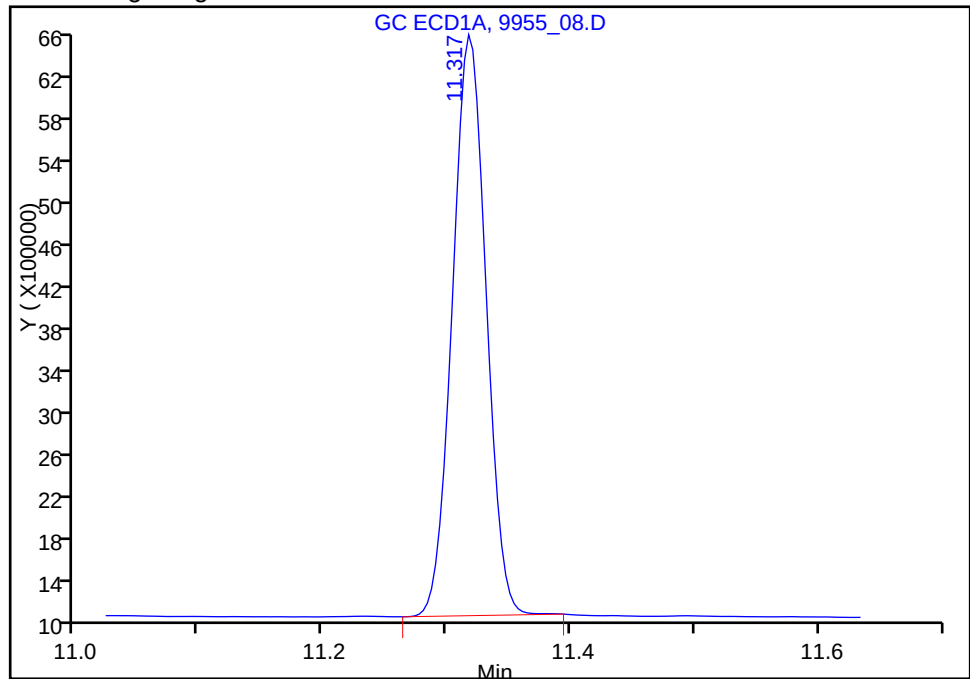
Column: RTX-CLP (0.32 mm)

Detector: GC ECD1A

4 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

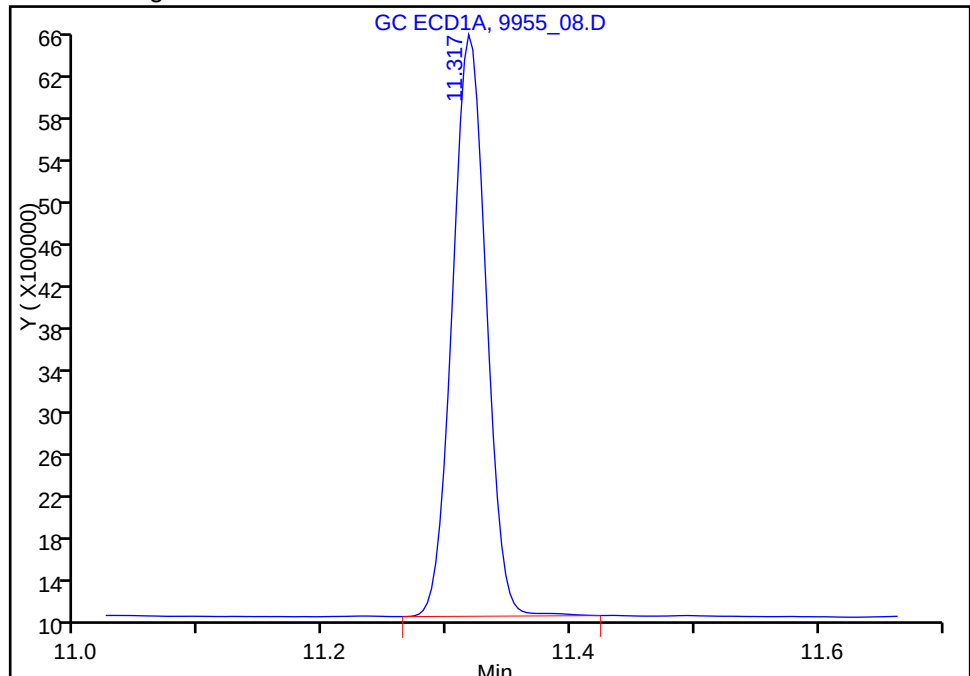
RT: 11.32
Response: 10350327
Amount: 4.161102

Processing Integration Results



RT: 11.32
Response: 10433054
Amount: 4.194360

Manual Integration Results



Reviewer: malaspinar, 11-Oct-2014 08:42:16

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: LCS 200-78530/5-A
Matrix: Water Lab File ID: 9955_08.D
Analysis Method: 504.1 Date Collected: _____
Extraction Method: 504.1 Date Extracted: 10/10/2014 11:34
Sample wt/vol: 35 (mL) Date Analyzed: 10/10/2014 17:44
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1.5 (uL) GC Column: RTX-CLPII ID: 0.32 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78532 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.203		0.010	0.0016
96-12-8	1,2-Dibromo-3-Chloropropane	0.229		0.010	0.0026

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	91		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_08.D
 Lims ID: LCS 200-78530/5-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 10-Oct-2014 17:44:41 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-008
 Operator ID: RRM Instrument ID: CH0911.i
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: malaspinar Date: 11-Oct-2014 08:42:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

1	4.297	4.300	-0.003	5639548	4.38	3.97	
2	4.108	4.111	-0.003	22903888	4.38	3.56	
RPD = 10.83							

\$ 2 1-Bromo-3-Chloropropane (Surr)

1	6.707	6.710	-0.003	1254079	4.38	3.88	M
2	6.304	6.307	-0.003	5194102	4.38	3.97	M
RPD = 2.17							

1 1,2,3-Trichloropropane

1	8.141	8.144	-0.003	644769	4.38	4.04	M
2	7.871	7.871	0.000	2674406	4.38	4.09	
RPD = 1.03							

4 1,2-Dibromo-3-Chloropropane

1	11.317	11.320	-0.003	10433054	4.38	4.19	M
2	11.424	11.424	0.000	39113100	4.38	4.02	
RPD = 4.34							

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Oct-2014 12:54:55

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_08.D

Injection Date: 10-Oct-2014 17:44:41

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: LCS 200-78530/5-A

Worklist Smp#: 8

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

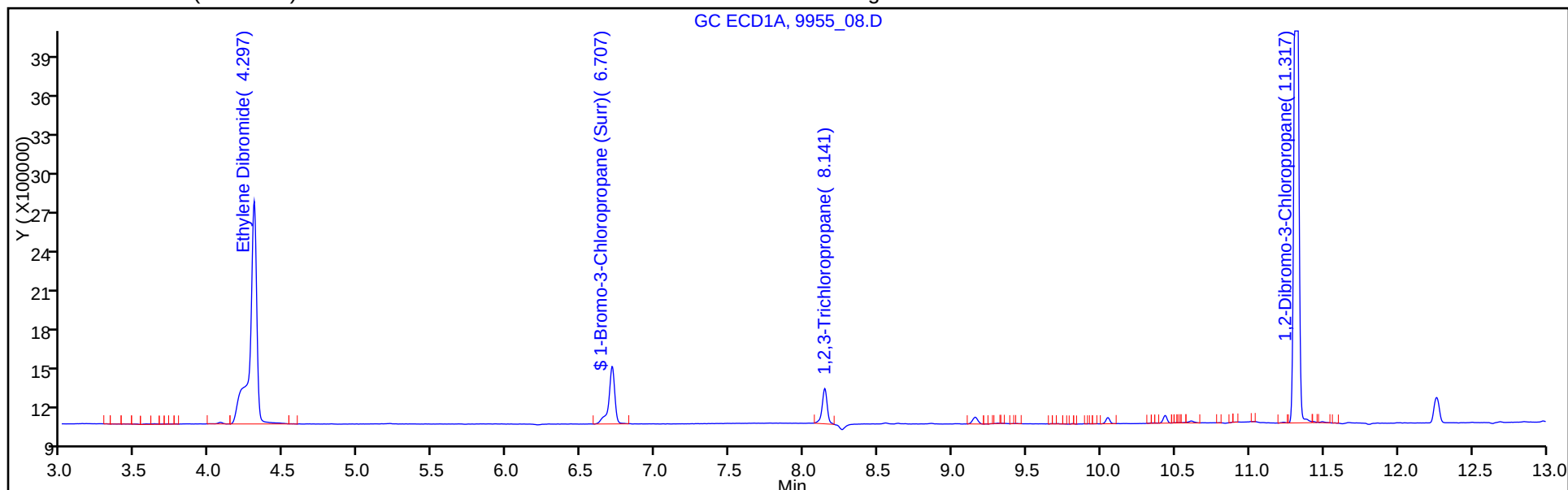
ALS Bottle#: 8

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

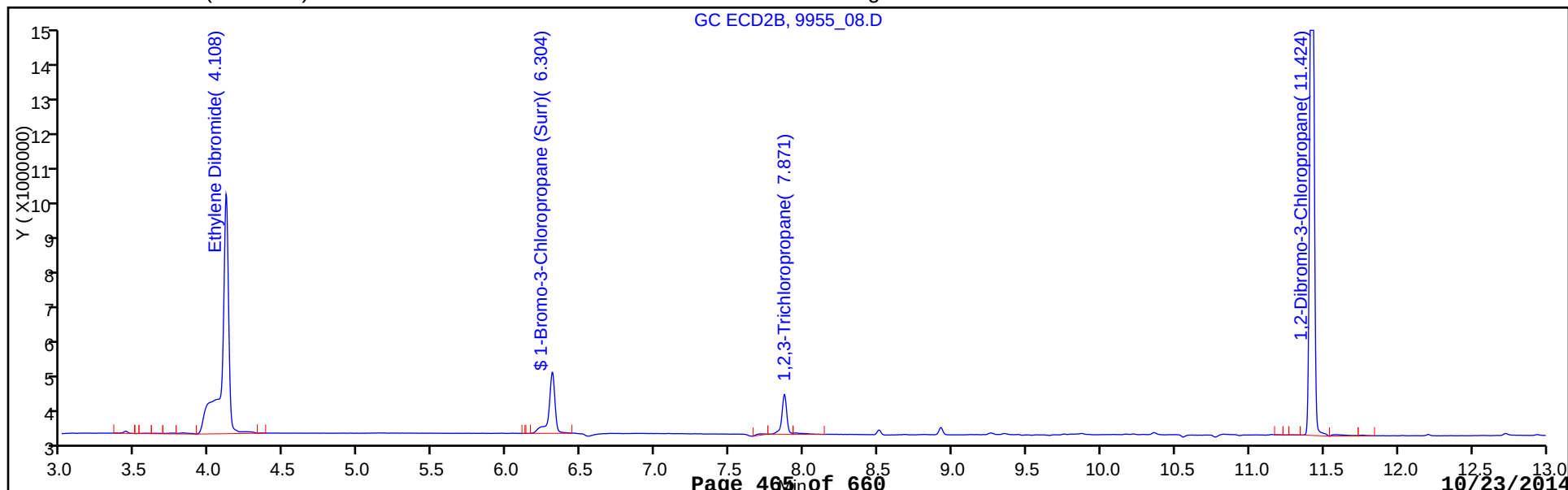
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_08.D

Injection Date: 10-Oct-2014 17:44:41

Instrument ID: CH0911.i

Lims ID: LCS 200-78530/5-A

Client ID:

Operator ID: RRM

ALS Bottle#:

8

Worklist Smp#: 8

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

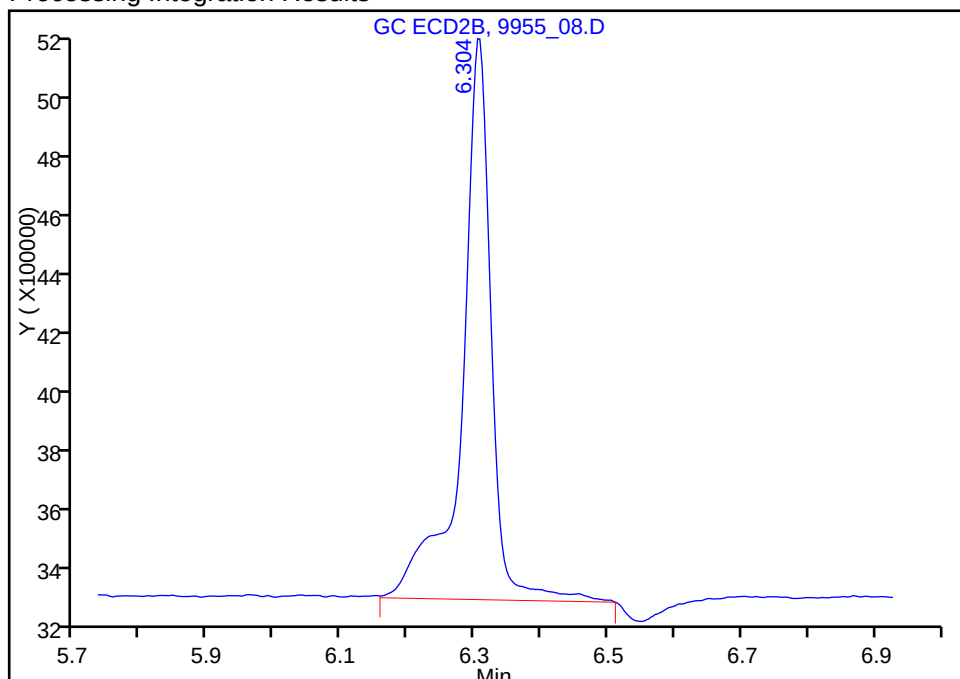
Column: RTX-CLPII (0.32 mm)

Detector

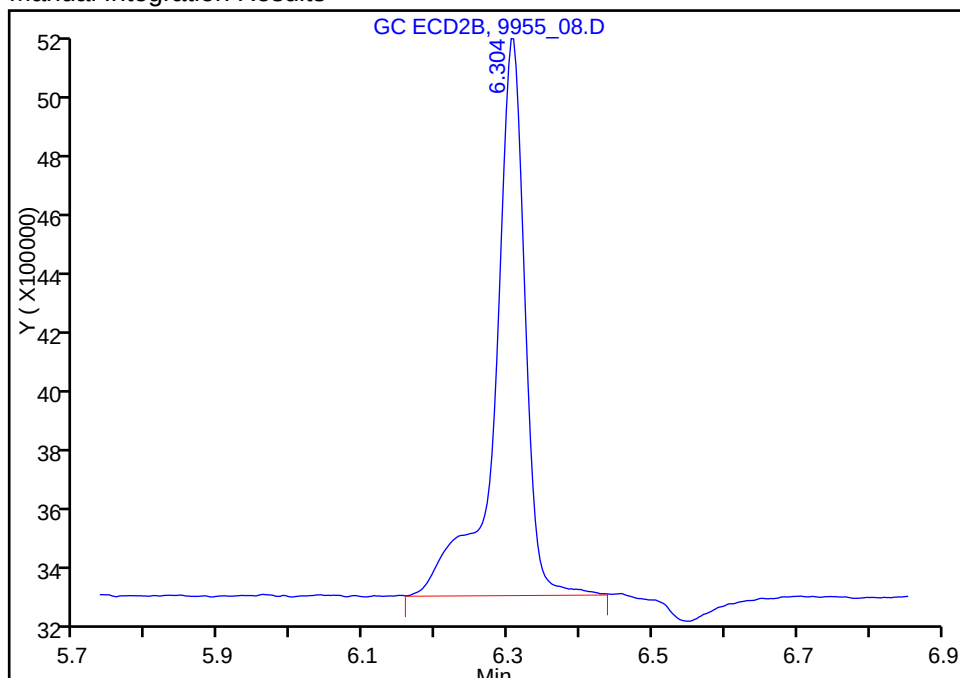
GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.30
Response: 5454129
Amount: 4.164161

Manual Integration Results

RT: 6.30
Response: 5194102
Amount: 3.965634

Reviewer: malaspinar, 11-Oct-2014 08:42:16

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: LLCS 200-78530/4-A
Matrix: Water Lab File ID: 9955_07.D
Analysis Method: 504.1 Date Collected: _____
Extraction Method: 504.1 Date Extracted: 10/10/2014 11:34
Sample wt/vol: 35 (mL) Date Analyzed: 10/10/2014 17:14
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1.5 (uL) GC Column: RTX-CLP ID: 0.32 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78532 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.0208		0.010	0.0016
96-12-8	1,2-Dibromo-3-Chloropropane	0.0196		0.010	0.0026

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	100		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_07.D
 Lims ID: LLCS 200-78530/4-A
 Client ID:
 Sample Type: LLCS
 Inject. Date: 10-Oct-2014 17:14:57 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-007
 Operator ID: RRM Instrument ID: CH0911.i
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: malaspinar Date: 11-Oct-2014 08:40:34

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide							M
1	4.297	4.300	-0.003	516327	0.3500	0.3633	
2	4.110	4.111	-0.001	2477762	0.3500	0.3852	M
RPD = 5.85							
\$ 2 1-Bromo-3-Chloropropane (Surr)							M
1	6.710	6.710	0.000	113328	0.3500	0.3507	
2	6.307	6.307	0.000	514106	0.3500	0.3925	M
RPD = 11.26							
1 1,2,3-Trichloropropane							M
1	8.143	8.144	-0.001	62461	0.3500	0.3918	M
2	7.870	7.871	-0.001	195441	0.3500	0.2986	M
RPD = 26.99							
4 1,2-Dibromo-3-Chloropropane							M
1	11.317	11.320	-0.003	853363	0.3500	0.3431	
2	11.424	11.424	0.000	3475466	0.3500	0.3569	M
RPD = 3.94							

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Oct-2014 12:54:54

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_07.D

Injection Date: 10-Oct-2014 17:14:57

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: LLCS 200-78530/4-A

Worklist Smp#: 7

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

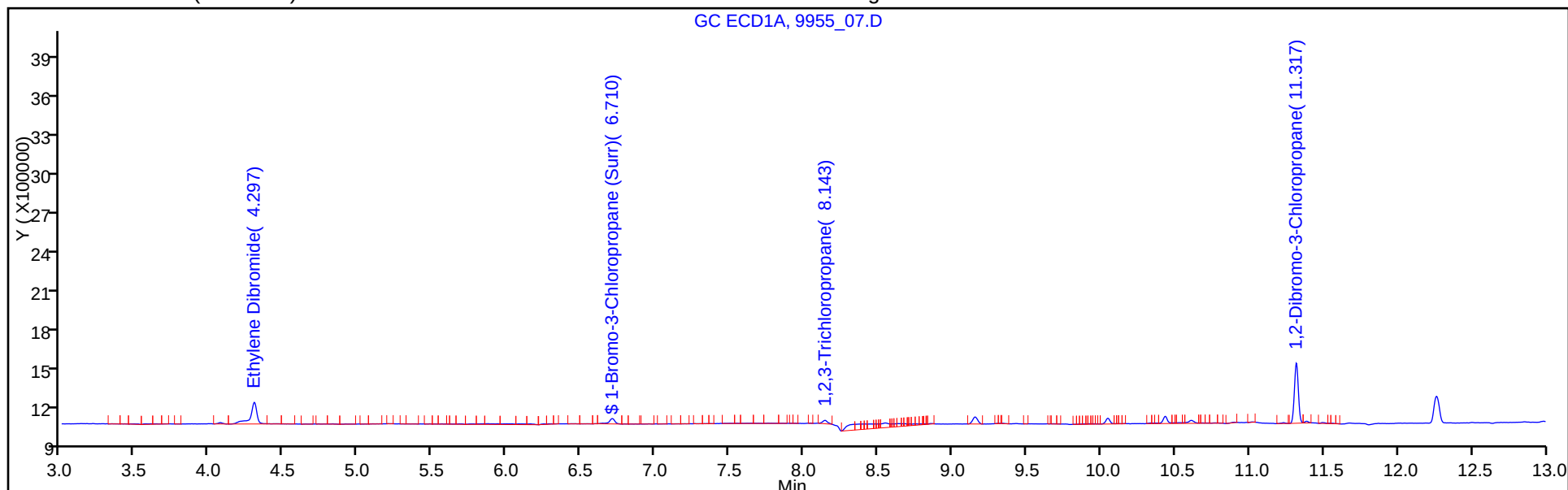
ALS Bottle#: 7

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

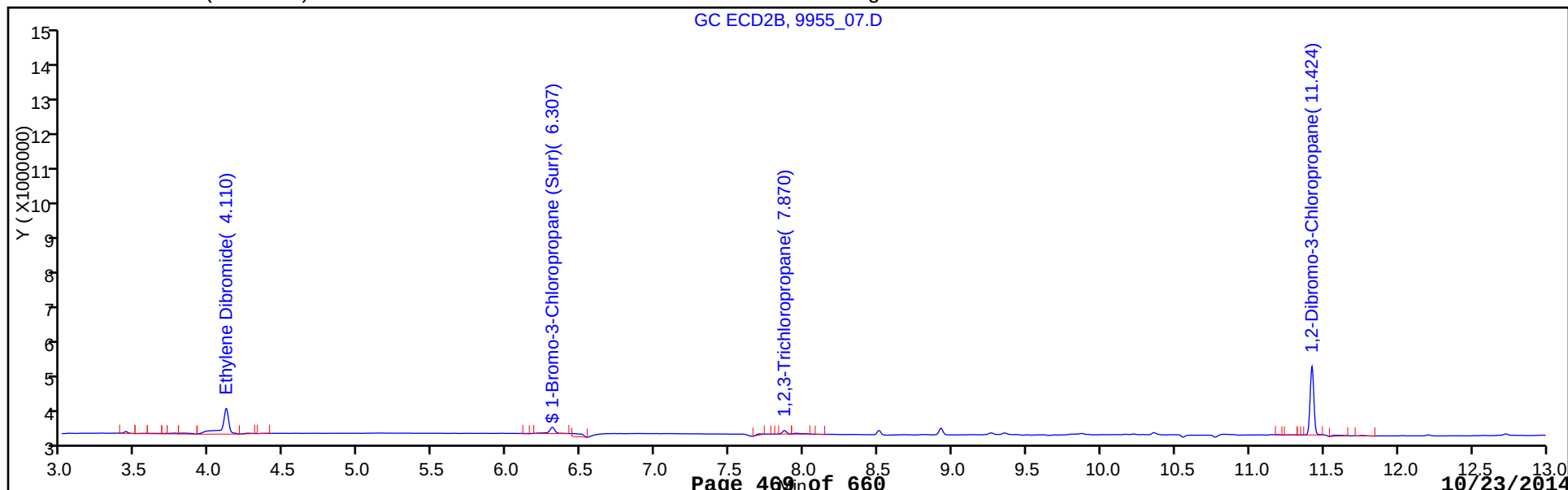
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_07.D

Injection Date: 10-Oct-2014 17:14:57

Instrument ID: CH0911.i

Lims ID: LLCS 200-78530/4-A

Client ID:

Operator ID: RRM

ALS Bottle#:

7

Worklist Smp#: 7

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

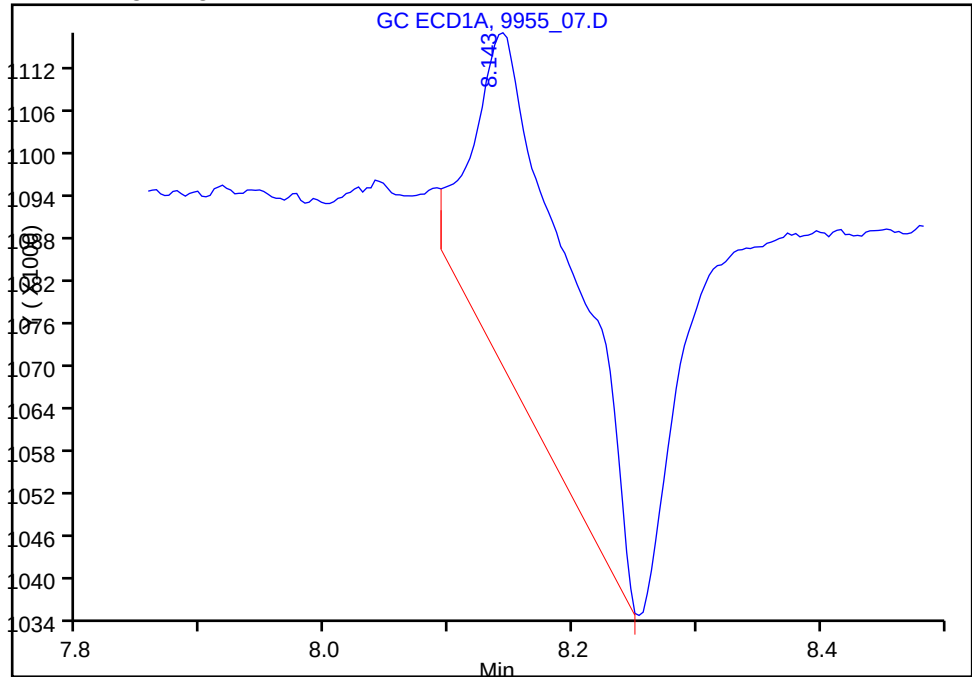
Column: RTX-CLP (0.32 mm)

Detector

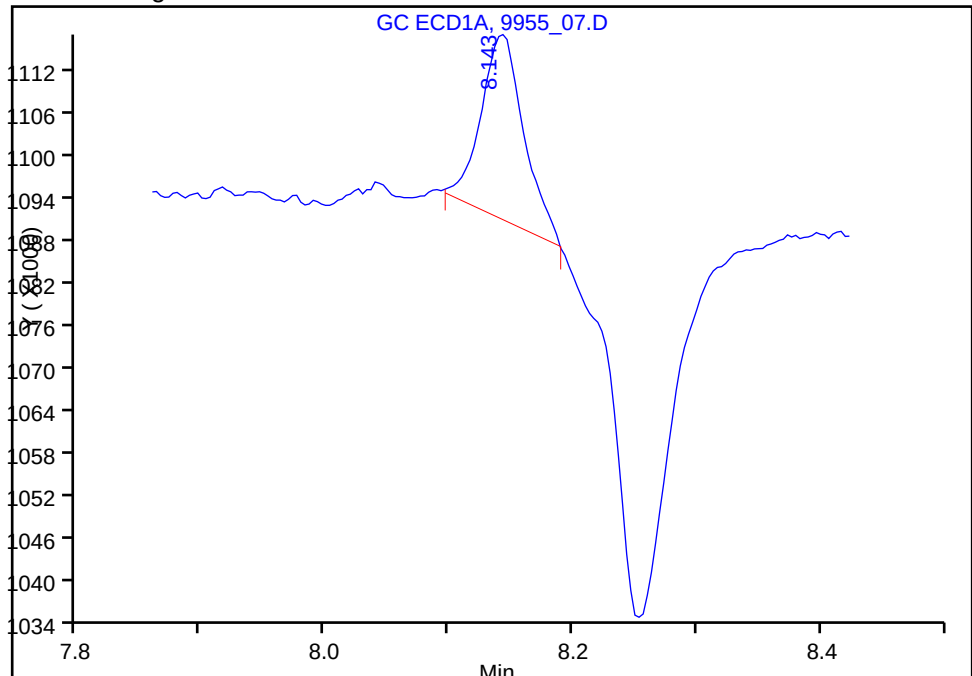
GC ECD1A

1 1,2,3-Trichloropropane, CAS: 96-18-4RT: 8.14
Response: 271177
Amount: 1.701129

Processing Integration Results

RT: 8.14
Response: 62461
Amount: 0.391826

Manual Integration Results



Reviewer: malaspinar, 11-Oct-2014 08:40:34

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: LLCS 200-78530/4-A
Matrix: Water Lab File ID: 9955_07.D
Analysis Method: 504.1 Date Collected: _____
Extraction Method: 504.1 Date Extracted: 10/10/2014 11:34
Sample wt/vol: 35 (mL) Date Analyzed: 10/10/2014 17:14
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1.5 (uL) GC Column: RTX-CLPII ID: 0.32 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78532 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
96-18-4	1,2,3-Trichloropropane	0.0171	J	0.020	0.0028

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	112		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_07.D
 Lims ID: LLCS 200-78530/4-A
 Client ID:
 Sample Type: LLCS
 Inject. Date: 10-Oct-2014 17:14:57 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-007
 Operator ID: RRM Instrument ID: CH0911.i
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:40:34

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
-----	--------------	------------------	------------------	----------	-----------------	-------------------	-------

3 Ethylene Dibromide							M
1	4.297	4.300	-0.003	516327	0.3500	0.3633	
2	4.110	4.111	-0.001	2477762	0.3500	0.3852	M
RPD = 5.85							
\$ 2 1-Bromo-3-Chloropropane (Surr)							M
1	6.710	6.710	0.000	113328	0.3500	0.3507	
2	6.307	6.307	0.000	514106	0.3500	0.3925	M
RPD = 11.26							
1 1,2,3-Trichloropropane							M
1	8.143	8.144	-0.001	62461	0.3500	0.3918	M
2	7.870	7.871	-0.001	195441	0.3500	0.2986	M
RPD = 26.99							
4 1,2-Dibromo-3-Chloropropane							M
1	11.317	11.320	-0.003	853363	0.3500	0.3431	
2	11.424	11.424	0.000	3475466	0.3500	0.3569	M
RPD = 3.94							

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Oct-2014 12:54:55

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_07.D

Injection Date: 10-Oct-2014 17:14:57

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: LLCS 200-78530/4-A

Worklist Smp#: 7

Client ID:

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

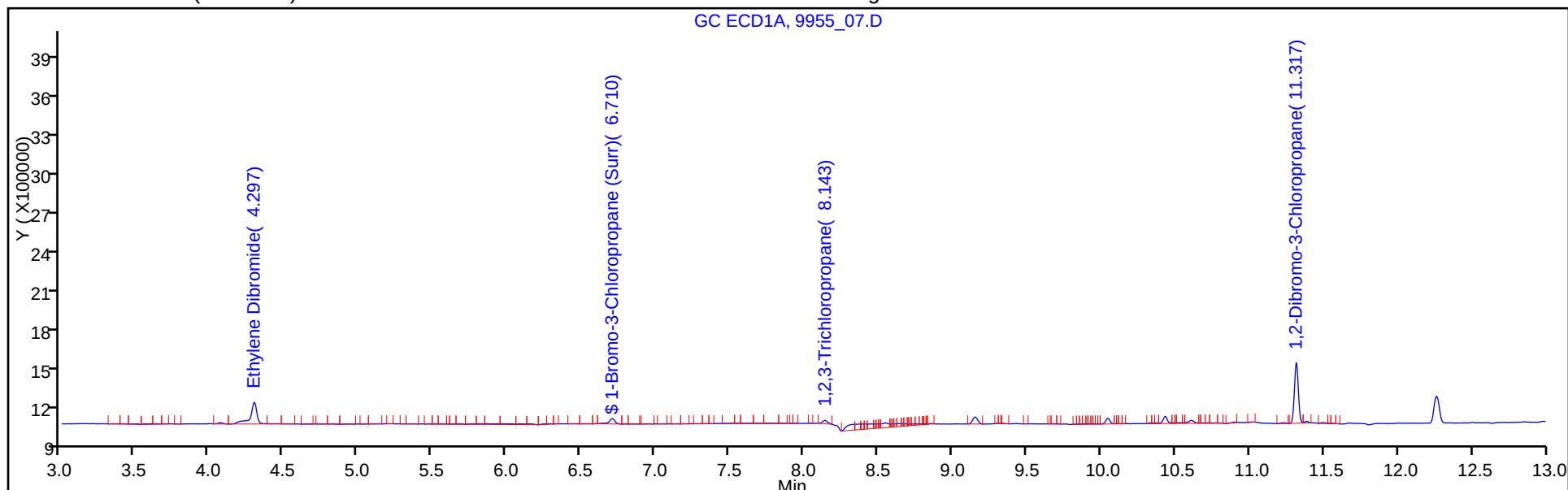
ALS Bottle#: 7

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

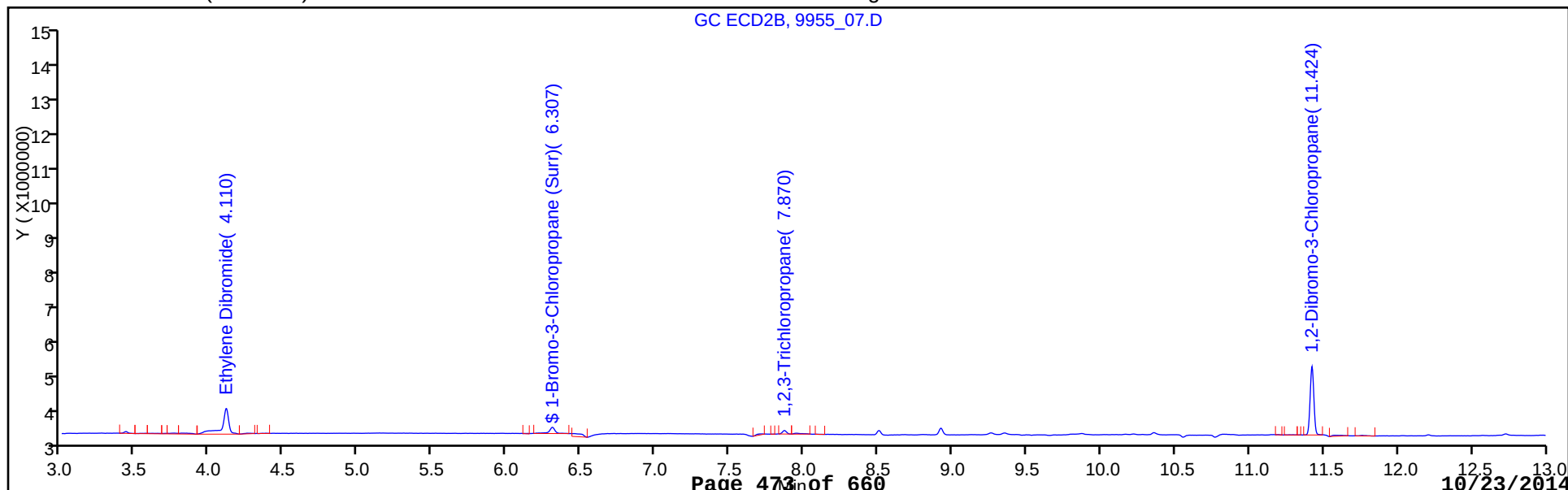
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_07.D

Injection Date: 10-Oct-2014 17:14:57

Instrument ID: CH0911.i

Lims ID: LLCS 200-78530/4-A

Client ID:

Operator ID: RRM

ALS Bottle#:

7

Worklist Smp#: 7

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLPII (0.32 mm)

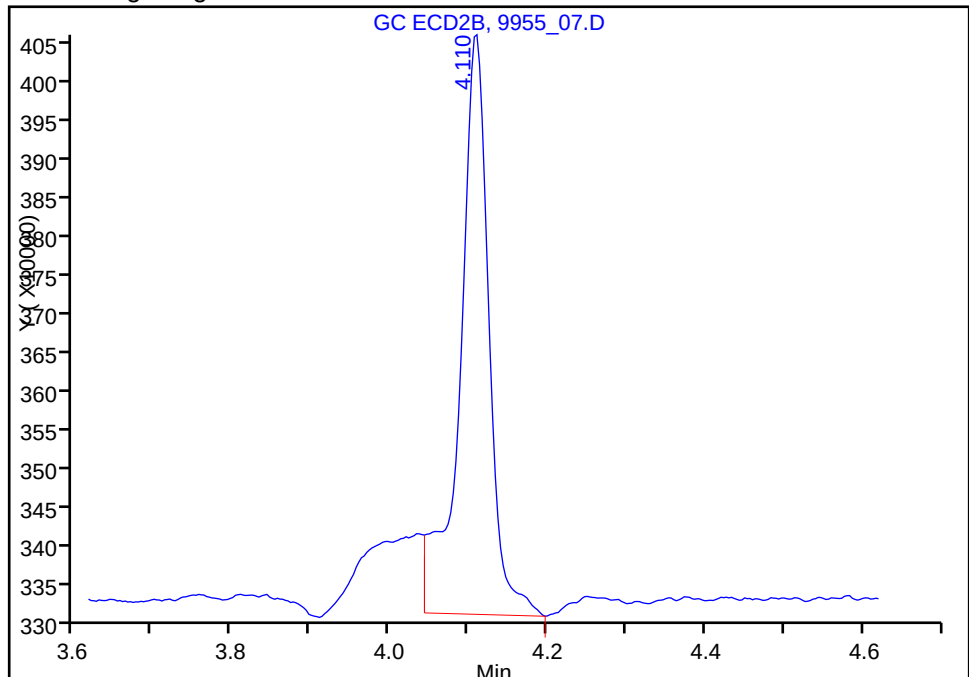
Detector

GC ECD2B

3 Ethylene Dibromide, CAS: 106-93-4

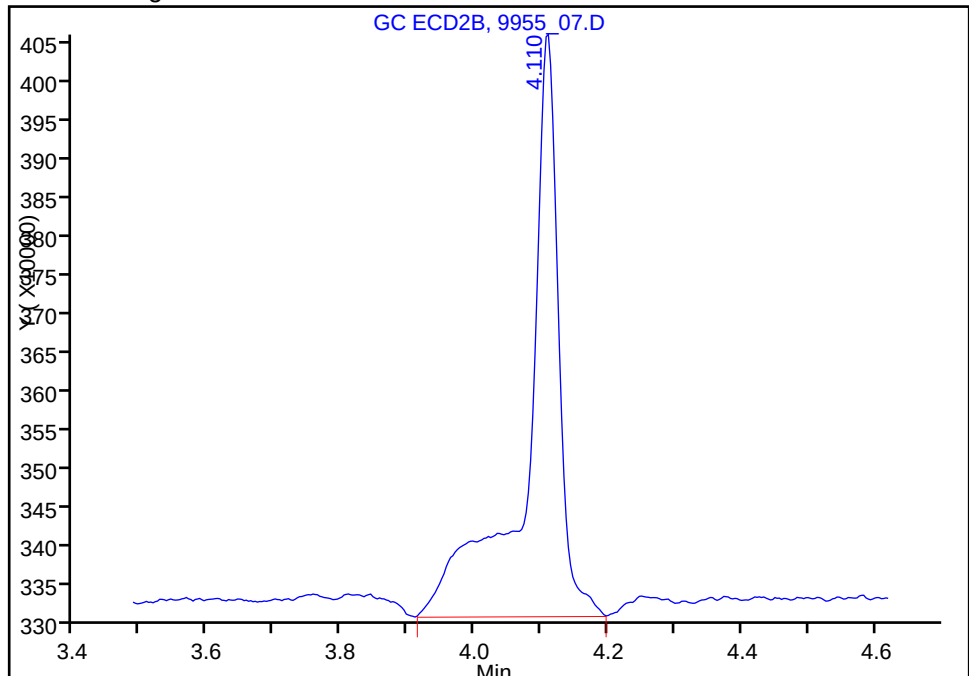
RT: 4.11
Response: 1889464
Amount: 0.293757

Processing Integration Results



RT: 4.11
Response: 2477762
Amount: 0.385220

Manual Integration Results



Reviewer: malaspinar, 11-Oct-2014 08:40:34

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_07.D

Injection Date: 10-Oct-2014 17:14:57

Instrument ID: CH0911.i

Lims ID: LLCS 200-78530/4-A

Client ID:

Operator ID: RRM

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

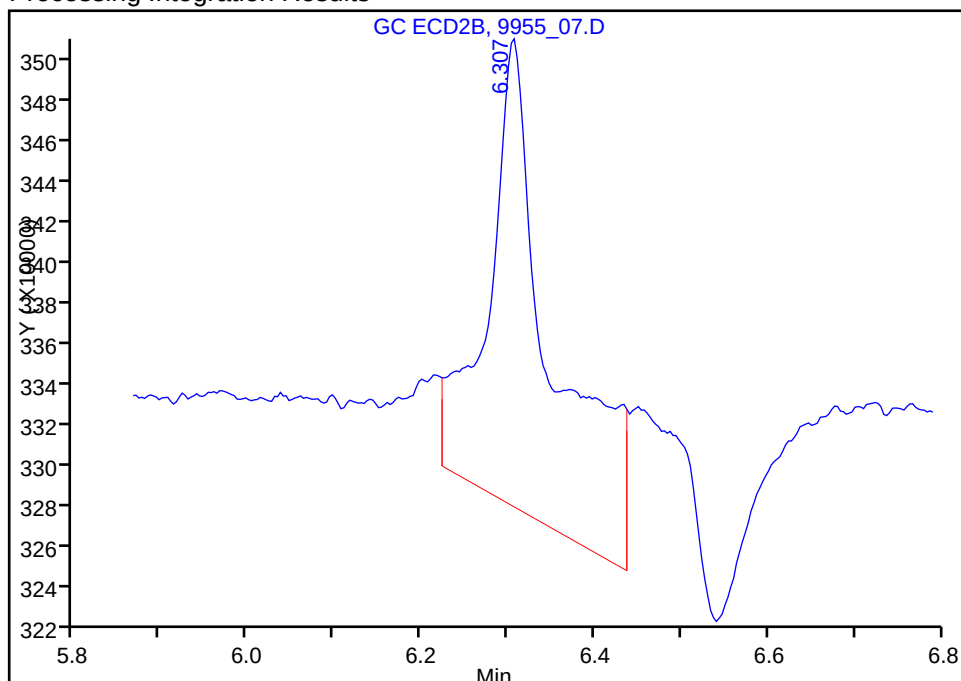
Limit Group: GC_504.1 Limits

Column: RTX-CLPII (0.32 mm)

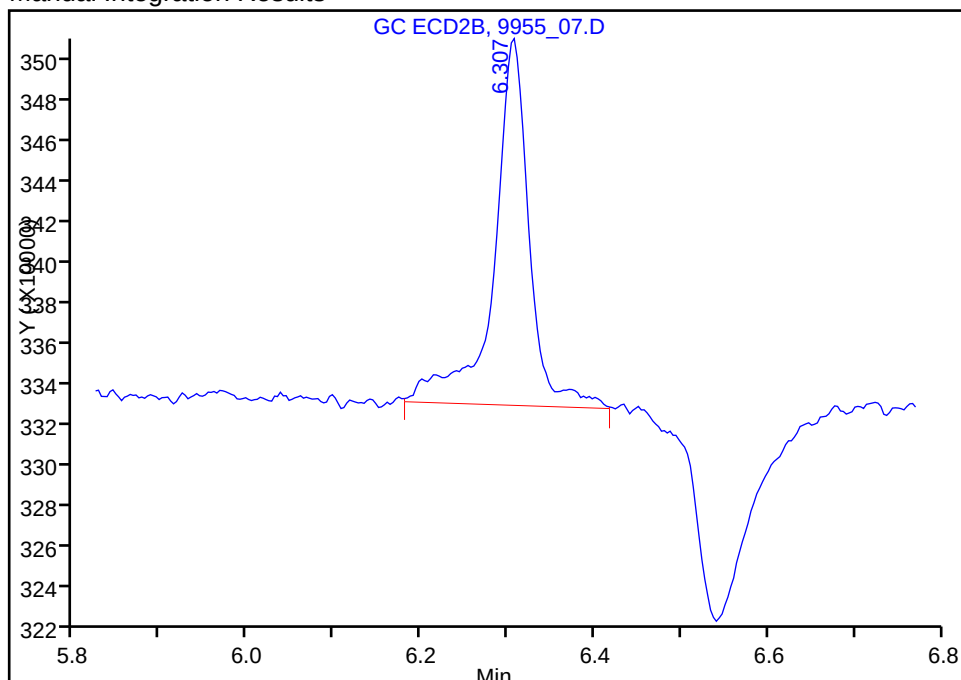
Detector: GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

Processing Integration Results

RT: 6.31
Response: 1198246
Amount: 0.914846

Manual Integration Results

RT: 6.31
Response: 514106
Amount: 0.392514

Reviewer: malaspinar, 11-Oct-2014 08:40:34

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_07.D

Injection Date: 10-Oct-2014 17:14:57

Instrument ID: CH0911.i

Lims ID: LLCS 200-78530/4-A

Client ID:

Operator ID: RRM

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

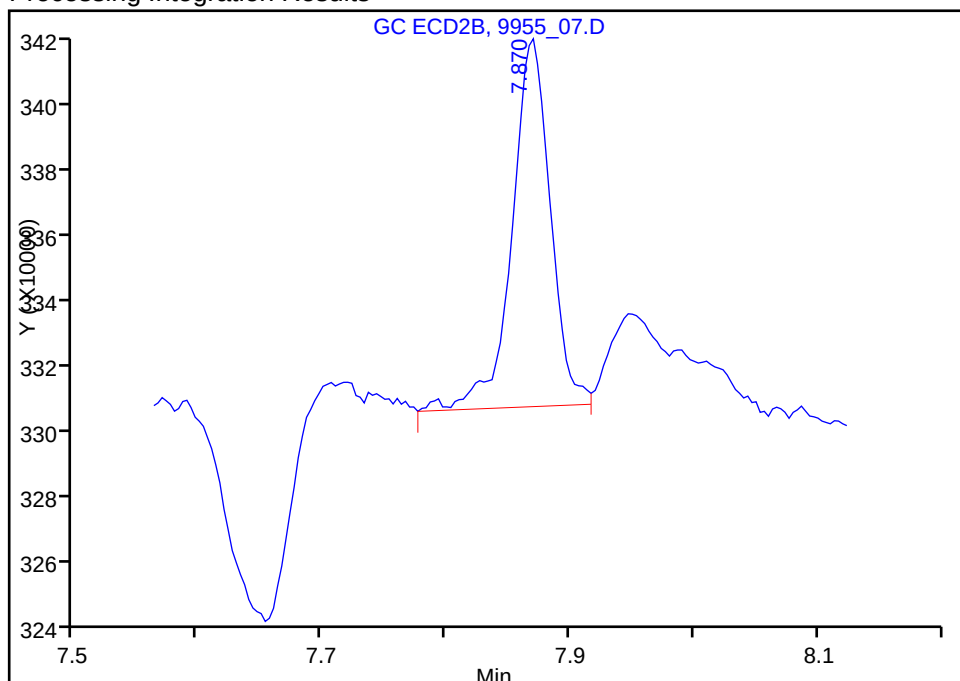
Column: RTX-CLPII (0.32 mm)

Detector: GC ECD2B

1 1,2,3-Trichloropropane, CAS: 96-18-4

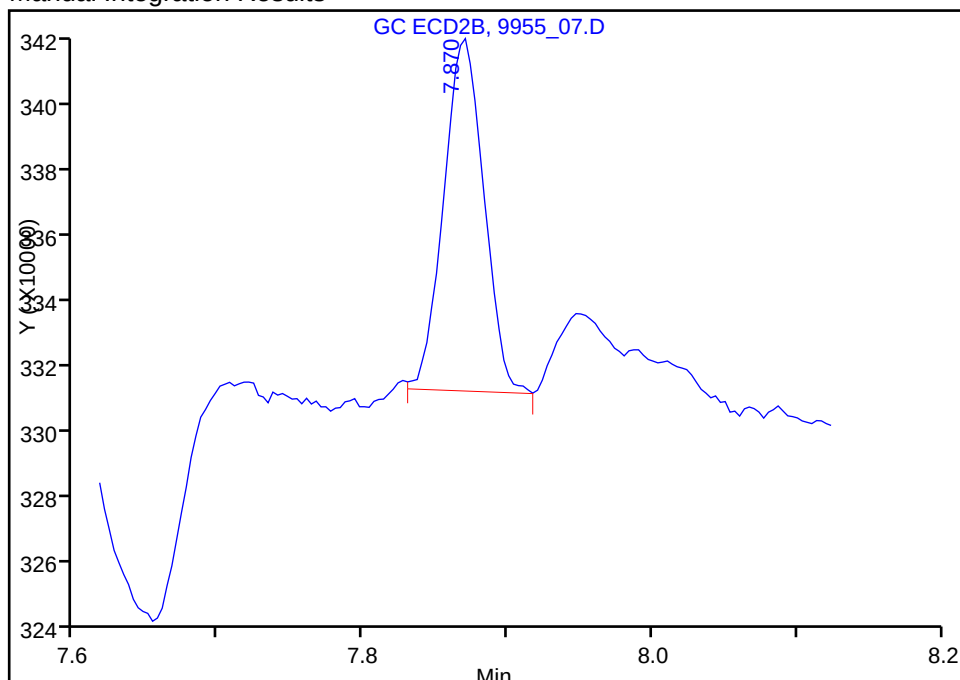
RT: 7.87
Response: 227955
Amount: 0.348320

Processing Integration Results



RT: 7.87
Response: 195441
Amount: 0.298638

Manual Integration Results



Reviewer: malaspinar, 11-Oct-2014 08:40:34

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_07.D

Injection Date: 10-Oct-2014 17:14:57

Instrument ID: CH0911.i

Lims ID: LLCS 200-78530/4-A

Client ID:

Operator ID: RRM

ALS Bottle#:

7

Worklist Smp#: 7

Injection Vol: 1.5 ul

Dil. Factor:

1.0000

Method: 504.1_CH0911.i

Limit Group:

GC_504.1 Limits

Column: RTX-CLPII (0.32 mm)

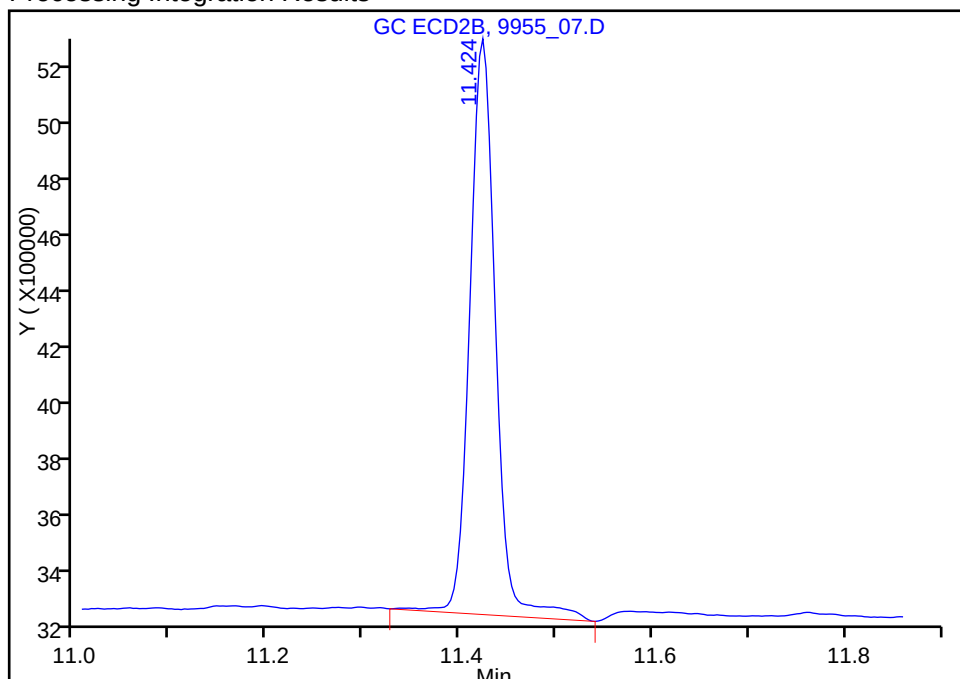
Detector

GC ECD2B

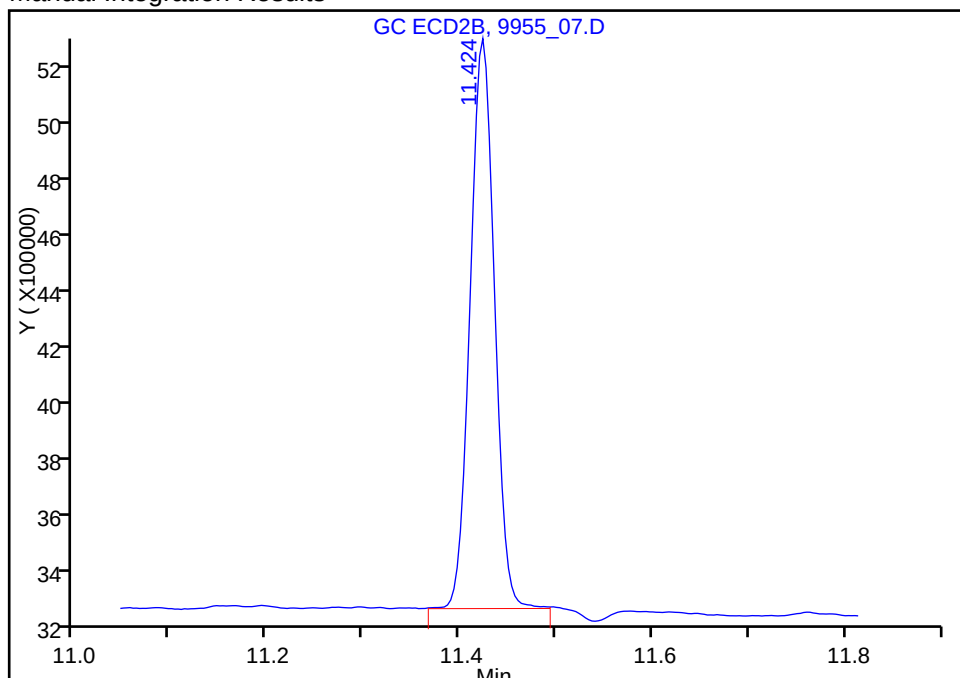
4 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

RT: 11.42
Response: 3724666
Amount: 0.382452

Processing Integration Results

RT: 11.42
Response: 3475466
Amount: 0.356864

Manual Integration Results



Reviewer: malaspinar, 11-Oct-2014 08:40:34

Audit Action: Manually Integrated

Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-52 MS Lab Sample ID: 200-24551-10 MS
Matrix: Water Lab File ID: 9955_13.D
Analysis Method: 504.1 Date Collected: 10/01/2014 09:54
Extraction Method: 504.1 Date Extracted: 10/10/2014 11:34
Sample wt/vol: 35 (mL) Date Analyzed: 10/10/2014 20:13
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1.5 (uL) GC Column: RTX-CLP ID: 0.32 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78532 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	93		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_13.D
 Lims ID: 200-24551-D-10-C MS
 Client ID: PW-52
 Sample Type: MS
 Inject. Date: 10-Oct-2014 20:13:42 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-013
 Operator ID: RRM Instrument ID: CH0911.i
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 14-Oct-2014 09:16:18 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK007

First Level Reviewer: malaspinar Date: 11-Oct-2014 08:45:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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3 Ethylene Dibromide

1	4.299	4.300	-0.001	2423002	1.75	1.71	
2	4.109	4.111	-0.002	10425445	1.75	1.62	
RPD = 5.06							

\$ 2 1-Bromo-3-Chloropropane (Surr)

1	6.712	6.710	0.002	524020	1.75	1.62	M
2	6.306	6.307	-0.001	2295195	1.75	1.75	M
RPD = 7.75							

1 1,2,3-Trichloropropane

1	8.142	8.144	-0.002	336629	1.75	2.11	M
2	7.869	7.871	-0.002	1159733	1.75	1.77	M
RPD = 17.49							

4 1,2-Dibromo-3-Chloropropane

1	11.319	11.320	-0.001	4323191	1.75	1.74	
2	11.422	11.424	-0.002	16481033	1.75	1.69	
RPD = 2.67							

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 14-Oct-2014 09:16:53

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_13.D

Injection Date: 10-Oct-2014 20:13:42 Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-10-C MS

Worklist Smp#: 13

Client ID: PW-52

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

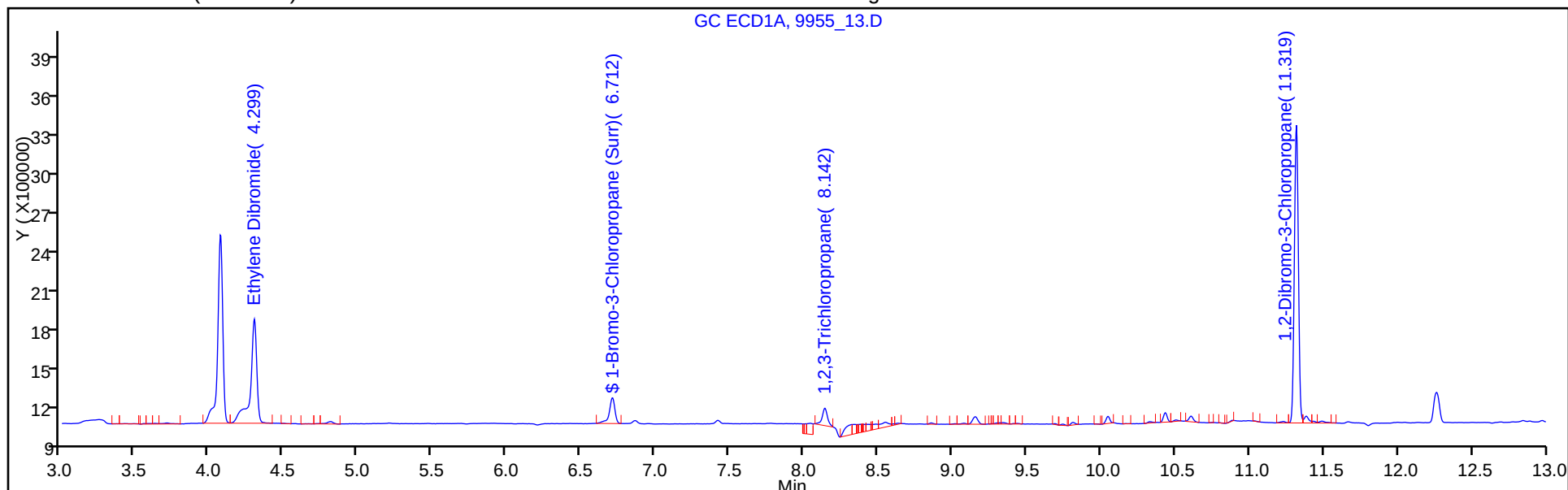
ALS Bottle#: 13

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

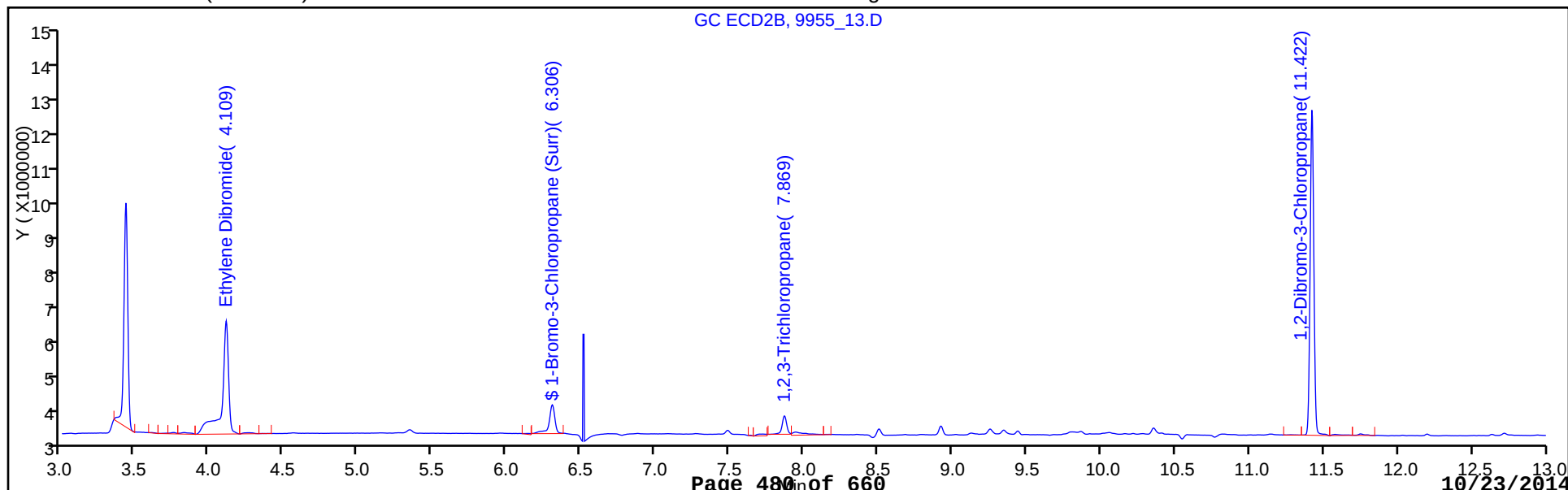
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



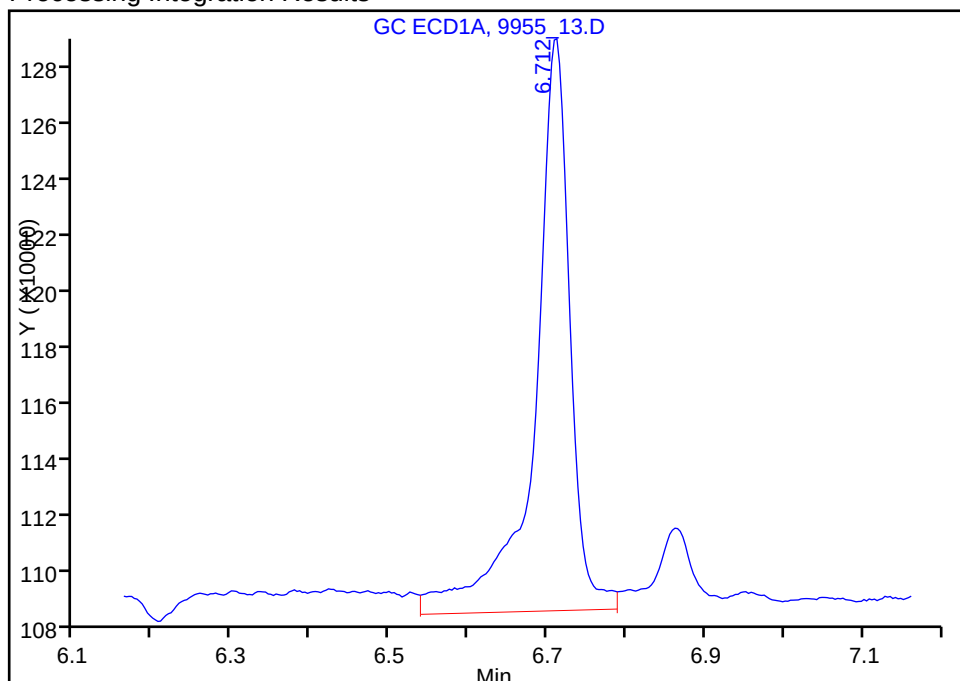
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_13.D
Injection Date: 10-Oct-2014 20:13:42 Instrument ID: CH0911.i
Lims ID: 200-24551-D-10-C MS
Client ID: PW-52
Operator ID: RRM ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Method: 504.1_CH0911.i Limit Group: GC_504.1 Limits
Column: RTX-CLP (0.32 mm) Detector: GC ECD1A

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

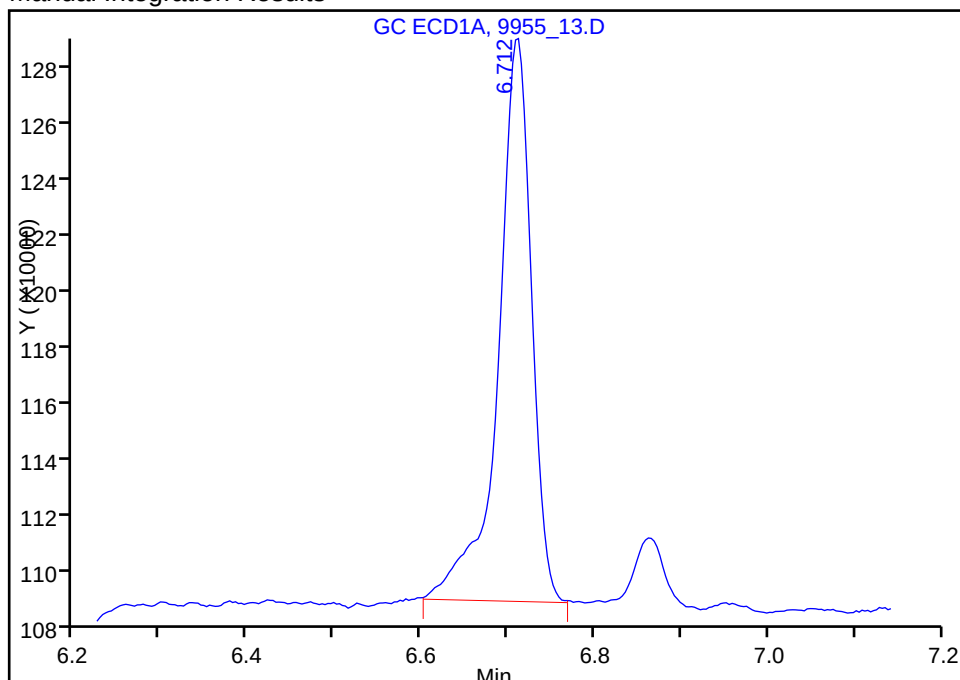
Processing Integration Results

RT: 6.71
Response: 639503
Amount: 1.978903



Manual Integration Results

RT: 6.71
Response: 524020
Amount: 1.621548



Reviewer: malaspinar, 11-Oct-2014 08:45:53
Audit Action: Manually Integrated
Audit Reason: Baseline Event

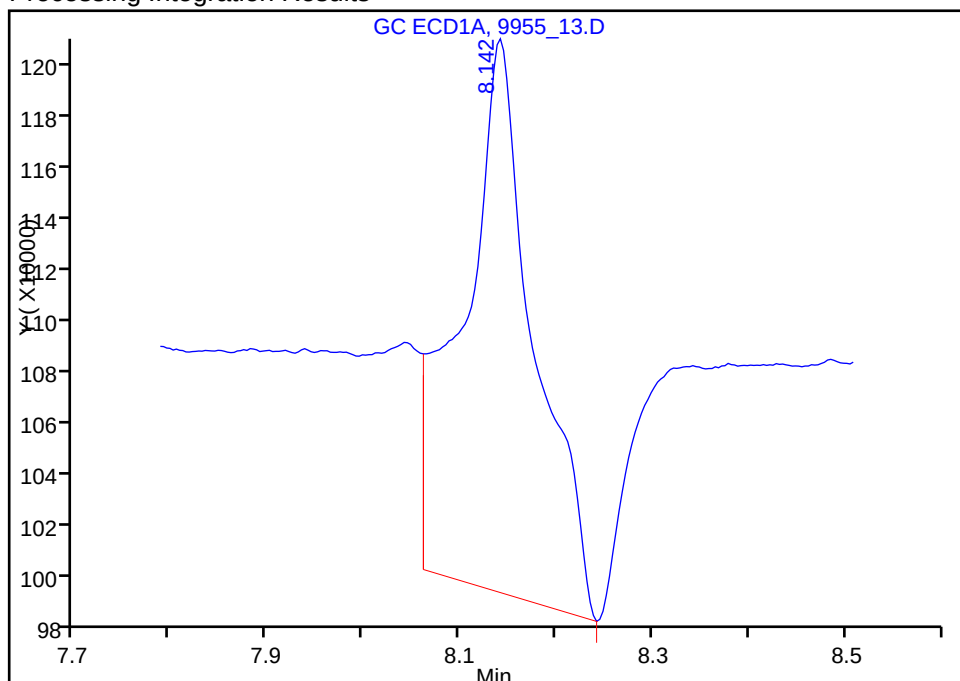
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_13.D
Injection Date: 10-Oct-2014 20:13:42 Instrument ID: CH0911.i
Lims ID: 200-24551-D-10-C MS
Client ID: PW-52
Operator ID: RRM ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Method: 504.1_CH0911.i Limit Group: GC_504.1 Limits
Column: RTX-CLP (0.32 mm) Detector: GC ECD1A

1 1,2,3-Trichloropropane, CAS: 96-18-4

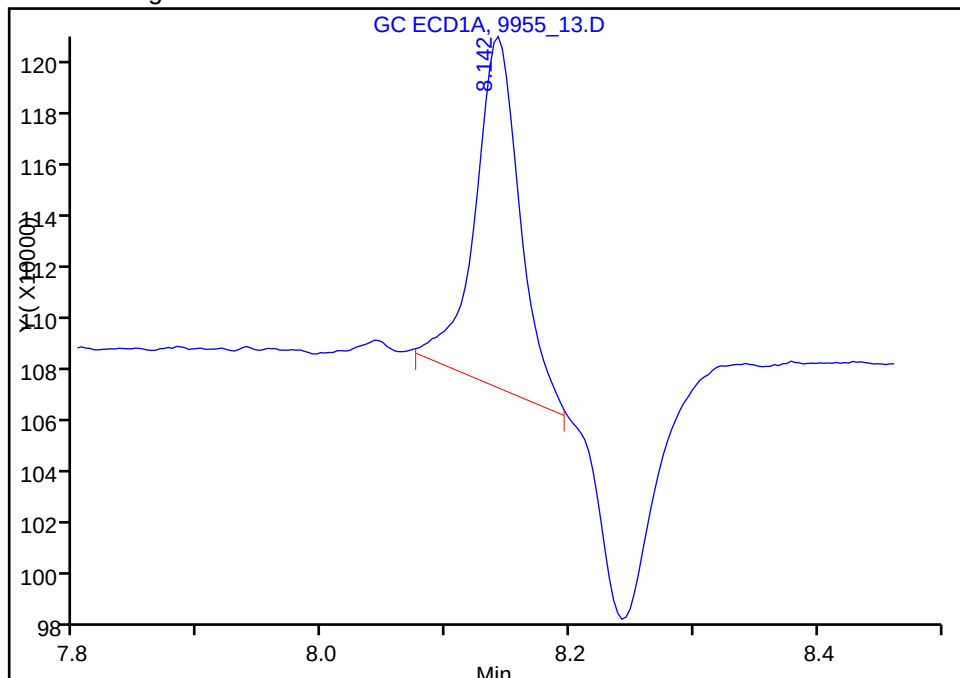
RT: 8.14
Response: 1085753
Amount: 6.811073

Processing Integration Results



RT: 8.14
Response: 336629
Amount: 2.111719

Manual Integration Results



Reviewer: malaspinar, 11-Oct-2014 08:45:53
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-24551-1</u>
SDG No.: <u>A8091390 (200-24551)</u>	
Client Sample ID: <u>PW-52 MS</u>	Lab Sample ID: <u>200-24551-10 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>9955_13.D</u>
Analysis Method: <u>504.1</u>	Date Collected: <u>10/01/2014 09:54</u>
Extraction Method: <u>504.1</u>	Date Extracted: <u>10/10/2014 11:34</u>
Sample wt/vol: <u>35 (mL)</u>	Date Analyzed: <u>10/10/2014 20:13</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1.5 (uL)</u>	GC Column: <u>RTX-CLPII</u> ID: <u>0.32 (mm)</u>
% Moisture: <u></u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>78532</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.0926		0.010	0.0016
96-18-4	1,2,3-Trichloropropane	0.101		0.020	0.0028
96-12-8	1,2-Dibromo-3-Chloropropane	0.0967		0.010	0.0026

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	100		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_13.D
 Lims ID: 200-24551-D-10-C MS
 Client ID: PW-52
 Sample Type: MS
 Inject. Date: 10-Oct-2014 20:13:42 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.5 ul Dil. Factor: 1.0000
 Sample Info: 200-0009955-013
 Operator ID: RRM Instrument ID: CH0911.i
 Method: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
 Limit Group: GC_504.1 Limits
 Last Update: 14-Oct-2014 09:16:18 Calib Date: 09-Oct-2014 20:49:54
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
 Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
 Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
 Process Host: XAWRK007

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:45:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
-----	--------------	------------------	------------------	----------	-----------------	-------------------	-------

3 Ethylene Dibromide

1	4.299	4.300	-0.001	2423002	1.75	1.71
2	4.109	4.111	-0.002	10425445	1.75	1.62

RPD = 5.06

\$ 2 1-Bromo-3-Chloropropane (Surr)

M

1	6.712	6.710	0.002	524020	1.75	1.62	M
2	6.306	6.307	-0.001	2295195	1.75	1.75	M

RPD = 7.75

1 1,2,3-Trichloropropane

M

1	8.142	8.144	-0.002	336629	1.75	2.11	M
2	7.869	7.871	-0.002	1159733	1.75	1.77	M

RPD = 17.49

4 1,2-Dibromo-3-Chloropropane

1	11.319	11.320	-0.001	4323191	1.75	1.74
2	11.422	11.424	-0.002	16481033	1.75	1.69

RPD = 2.67

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 14-Oct-2014 09:16:53

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_13.D

Injection Date: 10-Oct-2014 20:13:42 Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-10-C MS

Worklist Smp#: 13

Client ID: PW-52

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

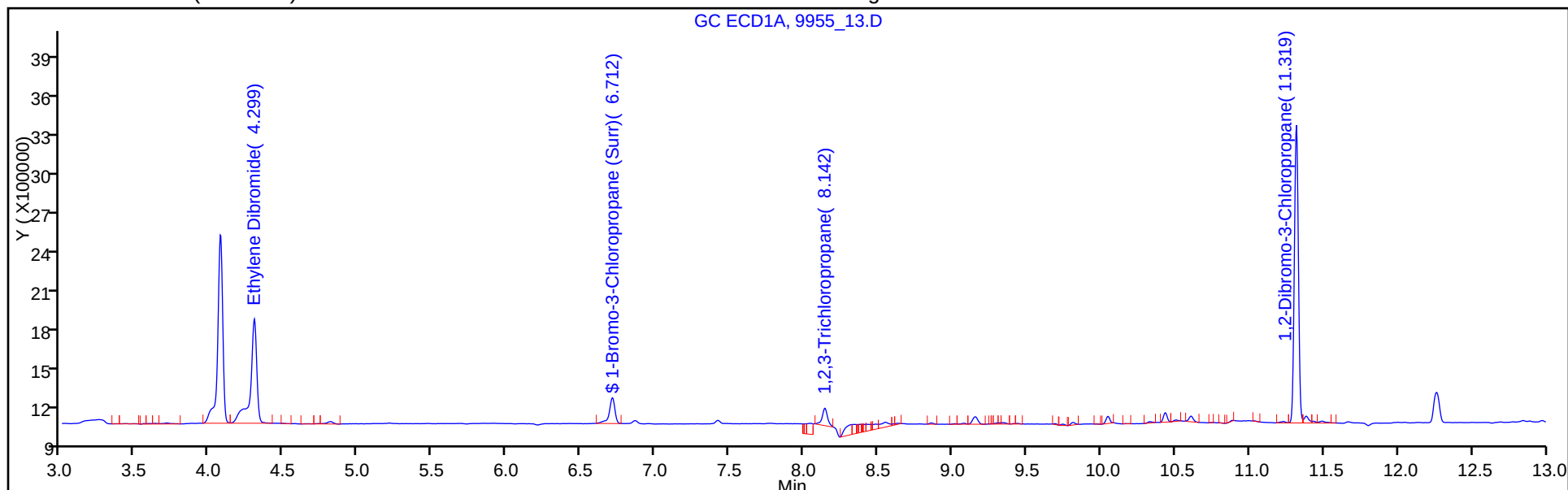
ALS Bottle#: 13

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

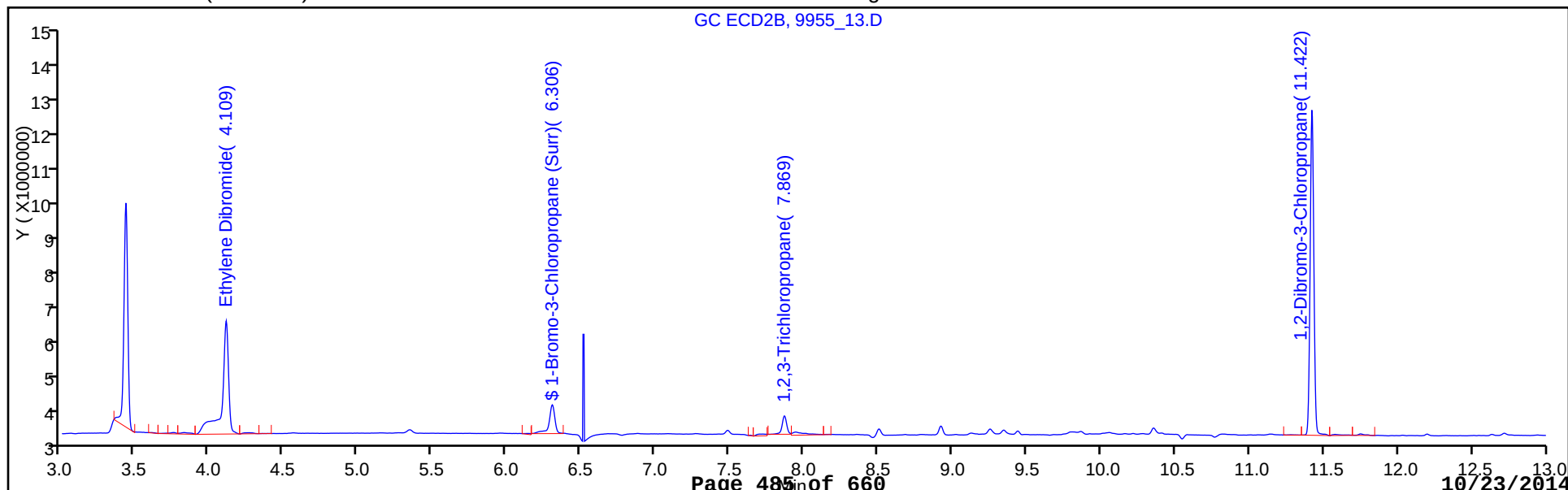
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



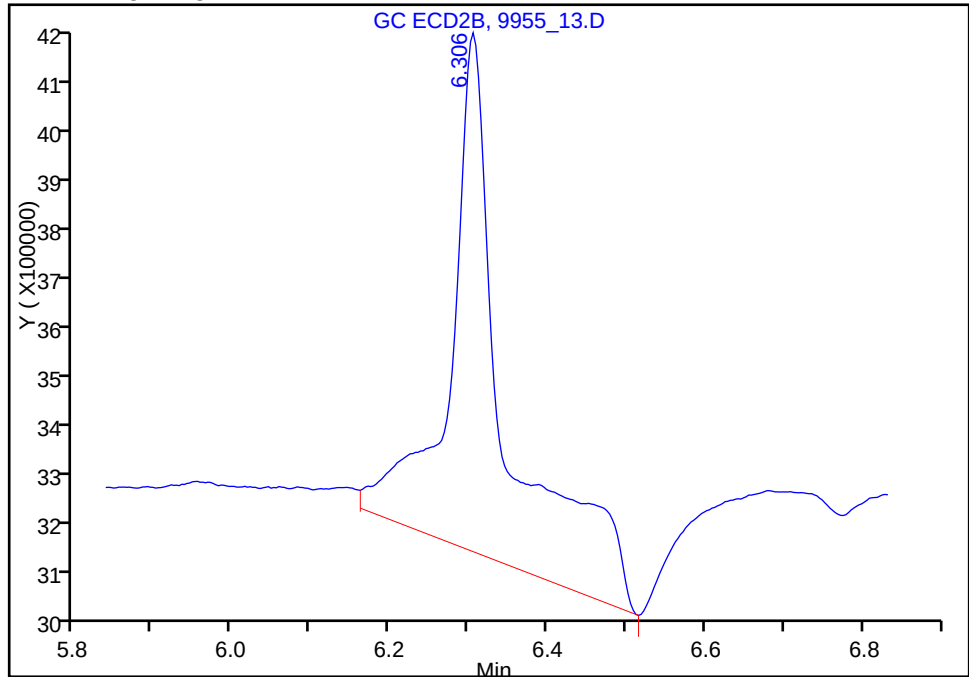
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_13.D
Injection Date: 10-Oct-2014 20:13:42 Instrument ID: CH0911.i
Lims ID: 200-24551-D-10-C MS
Client ID: PW-52
Operator ID: RRM ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Method: 504.1_CH0911.i Limit Group: GC_504.1 Limits
Column: RTX-CLPII (0.32 mm) Detector: GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

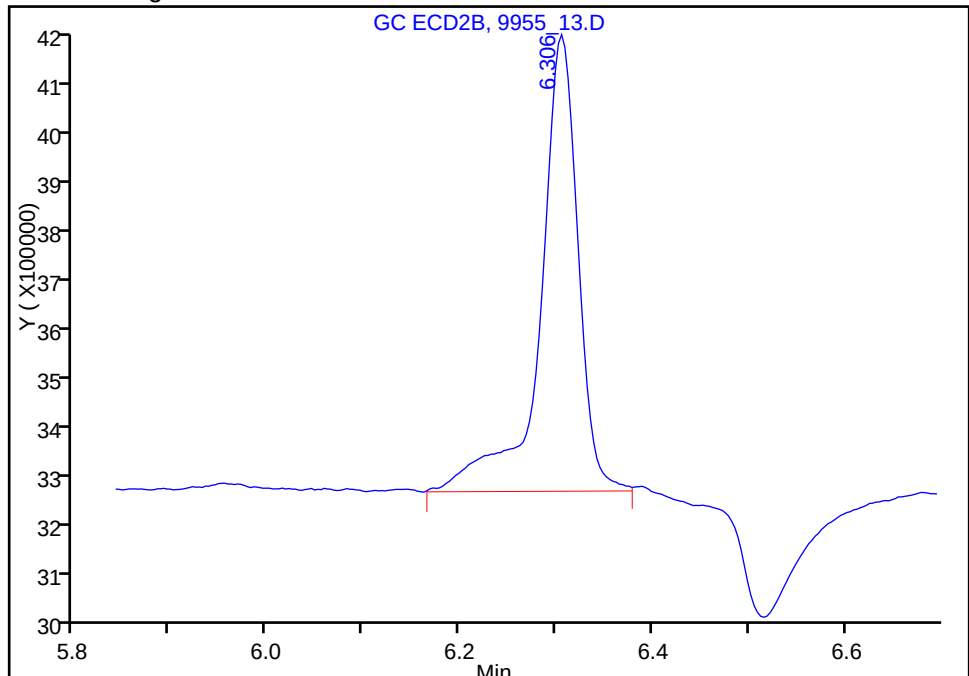
Processing Integration Results

RT: 6.31
Response: 4678571
Amount: 3.572032



Manual Integration Results

RT: 6.31
Response: 2295195
Amount: 1.752354



Reviewer: malaspinar, 11-Oct-2014 08:45:53
Audit Action: Manually Integrated
Audit Reason: Baseline Event

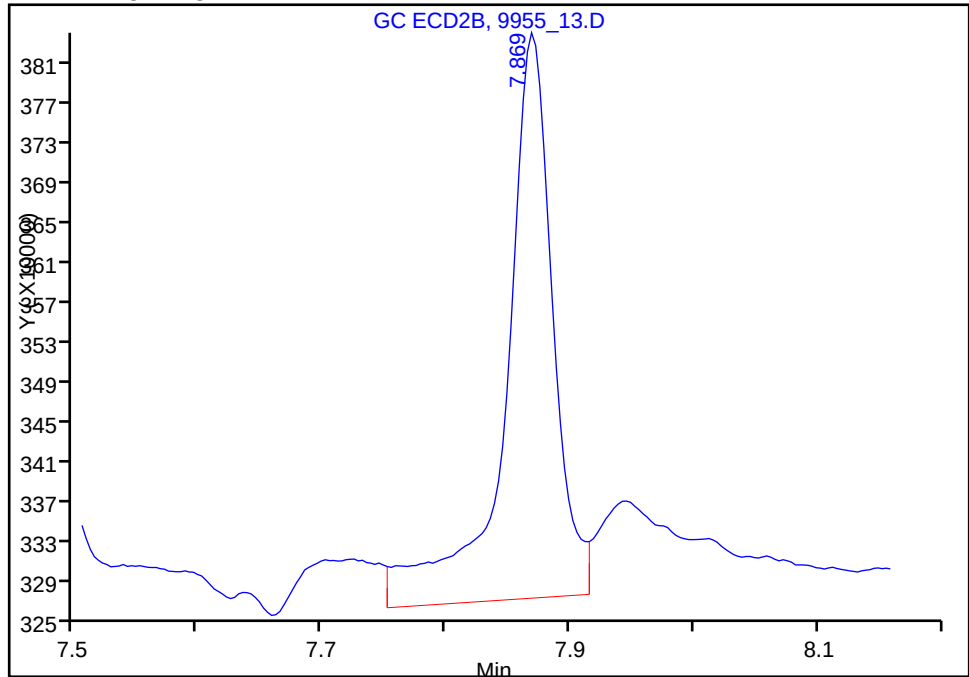
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_13.D
Injection Date: 10-Oct-2014 20:13:42 Instrument ID: CH0911.i
Lims ID: 200-24551-D-10-C MS
Client ID: PW-52
Operator ID: RRM ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Method: 504.1_CH0911.i Limit Group: GC_504.1 Limits
Column: RTX-CLPII (0.32 mm) Detector: GC ECD2B

1 1,2,3-Trichloropropane, CAS: 96-18-4

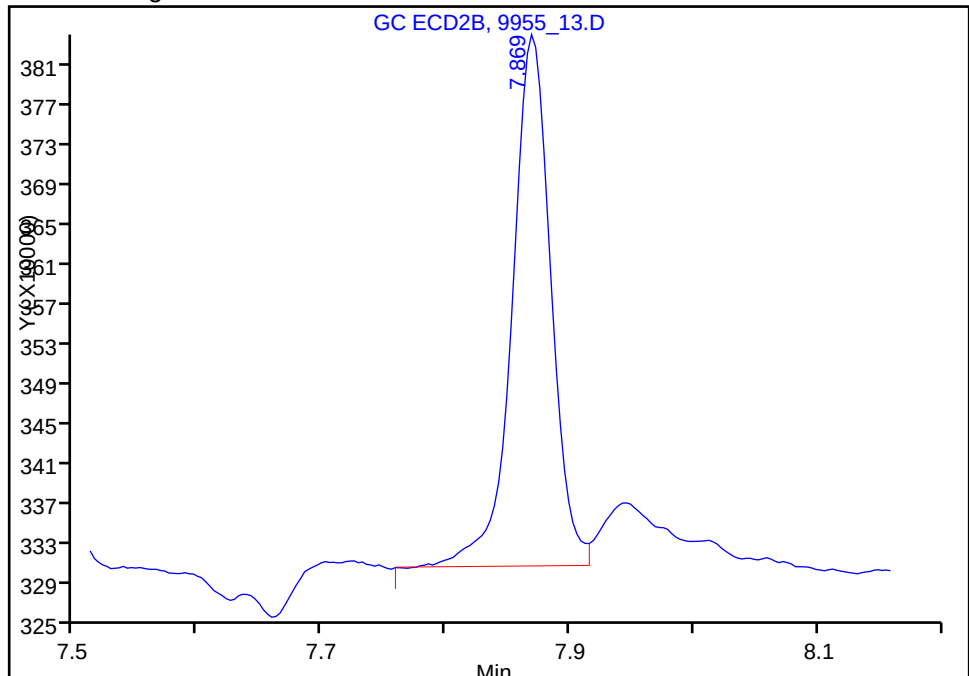
Processing Integration Results

RT: 7.87
Response: 1516902
Amount: 2.317858



Manual Integration Results

RT: 7.87
Response: 1159733
Amount: 1.772096



Reviewer: malaspinar, 11-Oct-2014 08:45:53
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-24551-1</u>
SDG No.: <u>A8091390 (200-24551)</u>	
Client Sample ID: <u>PW-52 DU</u>	Lab Sample ID: <u>200-24551-10 DU</u>
Matrix: <u>Water</u>	Lab File ID: <u>9955_12.D</u>
Analysis Method: <u>504.1</u>	Date Collected: <u>10/01/2014 09:54</u>
Extraction Method: <u>504.1</u>	Date Extracted: <u>10/10/2014 11:34</u>
Sample wt/vol: <u>35.4 (mL)</u>	Date Analyzed: <u>10/10/2014 19:43</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1.5 (uL)</u>	GC Column: <u>RTX-CLP</u> ID: <u>0.32 (mm)</u>
% Moisture: <u></u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>78532</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.0099	U	0.0099	0.0016
96-18-4	1,2,3-Trichloropropane	0.020	U	0.020	0.0028
96-12-8	1,2-Dibromo-3-Chloropropane	0.0099	U	0.0099	0.0026

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	90		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_12.D
Lims ID: 200-24551-D-10-B DU
Client ID: PW-52
Sample Type: DU
Inject. Date: 10-Oct-2014 19:43:58 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Sample Info: 200-0009955-012
Operator ID: RRM Instrument ID: CH0911.i
Method: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
Limit Group: GC_504.1 Limits
Last Update: 14-Oct-2014 09:16:18 Calib Date: 09-Oct-2014 20:49:54
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
Process Host: XAWRK007

First Level Reviewer: dragooj

Date: 14-Oct-2014 09:16:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 2 1-Bromo-3-Chloropropane (Surr) M
1 6.710 6.710 0.000 1015714 3.50 3.14 M
2 6.307 6.307 0.000 4405612 3.50 3.36 M

RPD = 6.78

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 14-Oct-2014 09:16:52

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_12.D

Injection Date: 10-Oct-2014 19:43:58 Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-10-B DU

Worklist Smp#: 12

Client ID: PW-52

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

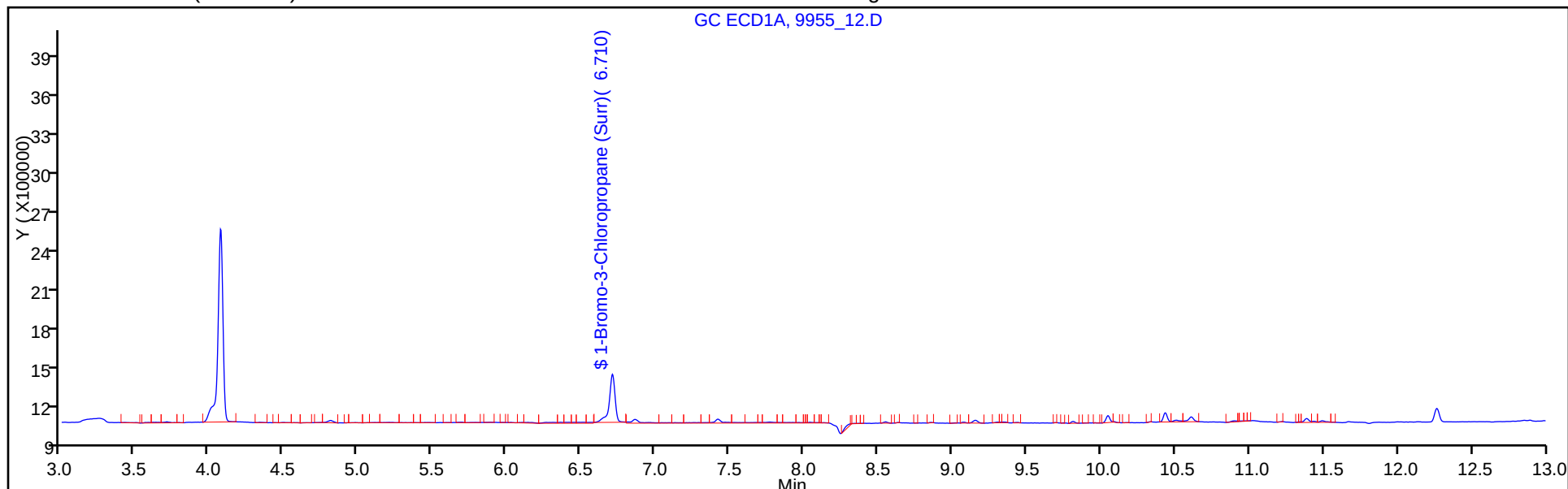
ALS Bottle#: 12

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

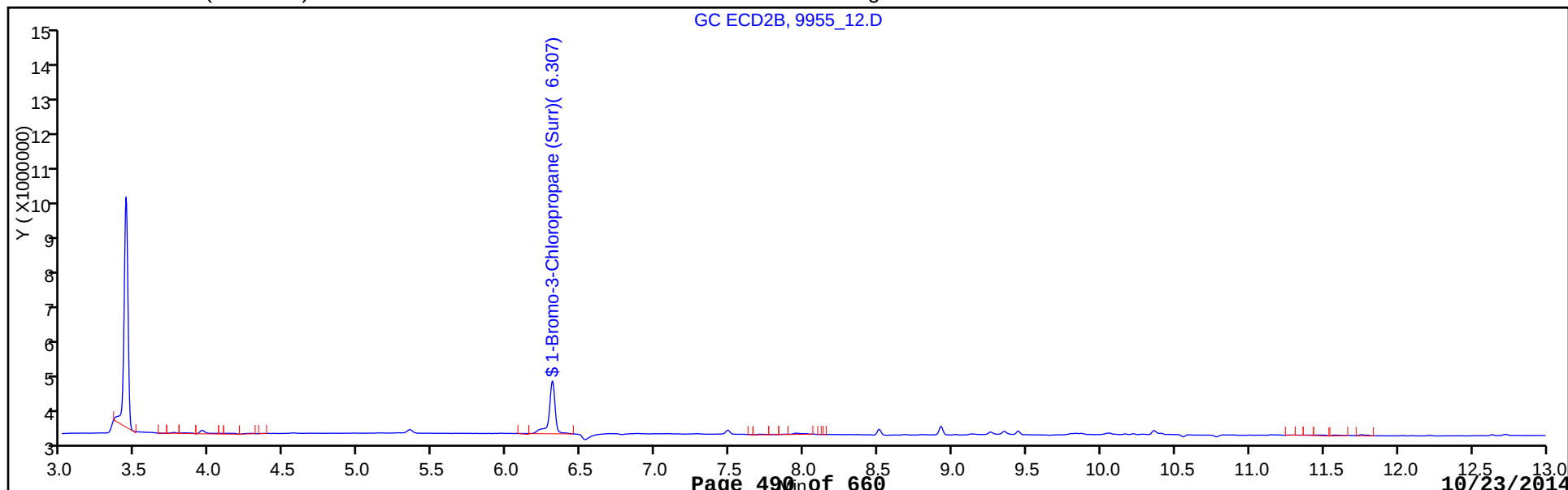
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



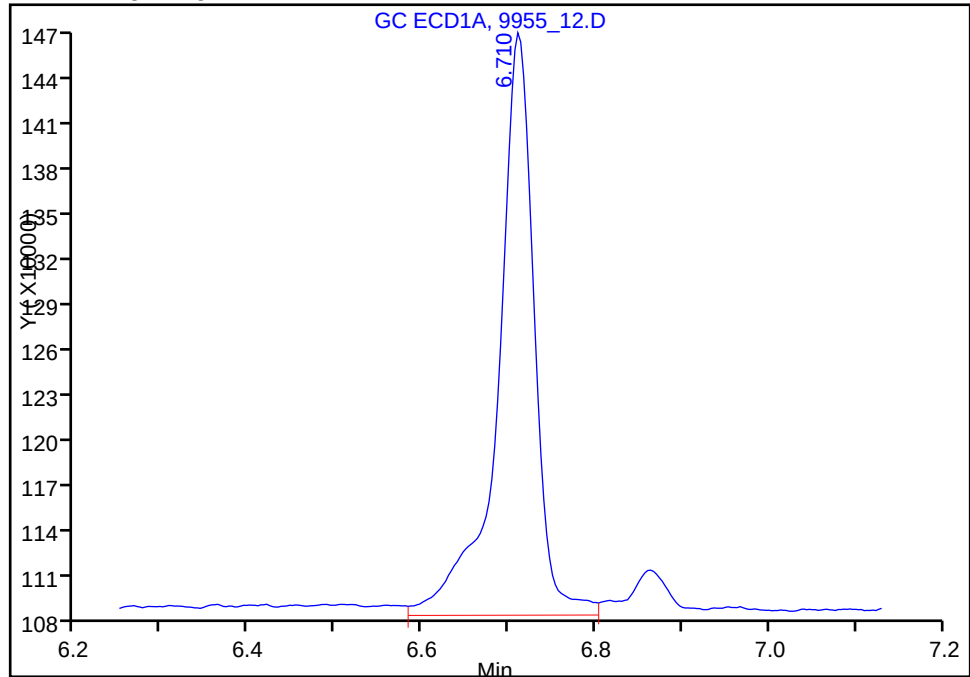
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_12.D
Injection Date: 10-Oct-2014 19:43:58 Instrument ID: CH0911.i
Lims ID: 200-24551-D-10-B DU
Client ID: PW-52
Operator ID: RRM ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Method: 504.1_CH0911.i Limit Group: GC_504.1 Limits
Column: RTX-CLP (0.32 mm) Detector: GC ECD1A

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

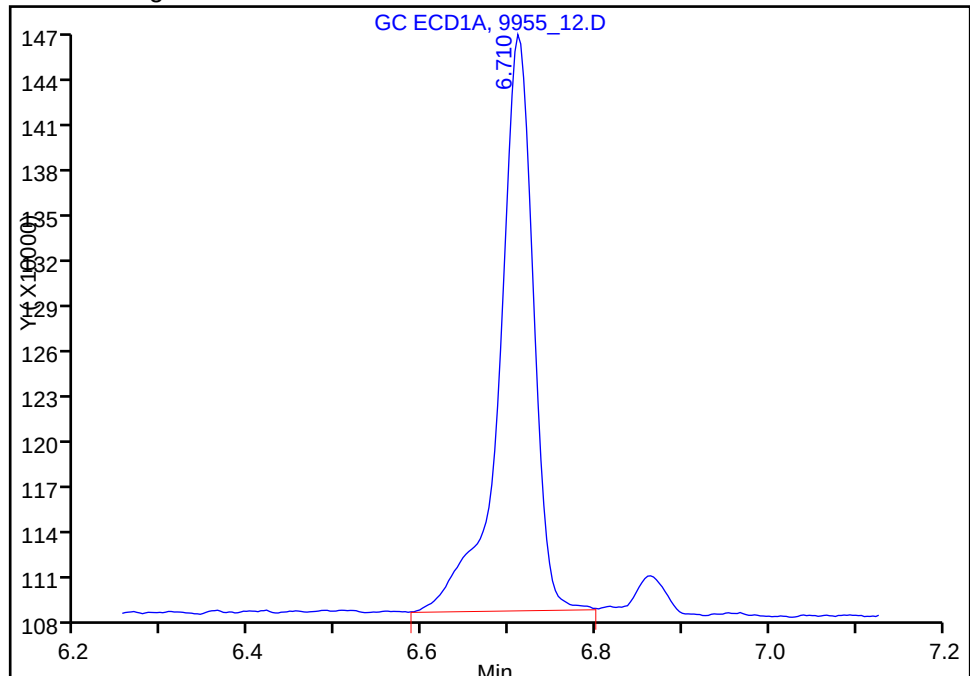
Processing Integration Results

RT: 6.71
Response: 1101329
Amount: 3.407995



Manual Integration Results

RT: 6.71
Response: 1015714
Amount: 3.143065



Reviewer: malaspinar, 13-Oct-2014 12:28:22
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-52 DU Lab Sample ID: 200-24551-10 DU
Matrix: Water Lab File ID: 9955_12.D
Analysis Method: 504.1 Date Collected: 10/01/2014 09:54
Extraction Method: 504.1 Date Extracted: 10/10/2014 11:34
Sample wt/vol: 35.4 (mL) Date Analyzed: 10/10/2014 19:43
Con. Extract Vol.: 2 (mL) Dilution Factor: 1
Injection Volume: 1.5 (uL) GC Column: RTX-CLPII ID: 0.32 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78532 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	96		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_12.D
Lims ID: 200-24551-D-10-B DU
Client ID: PW-52
Sample Type: DU
Inject. Date: 10-Oct-2014 19:43:58 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Sample Info: 200-0009955-012
Operator ID: RRM Instrument ID: CH0911.i
Method: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
Limit Group: GC_504.1 Limits
Last Update: 14-Oct-2014 09:16:18 Calib Date: 09-Oct-2014 20:49:54
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
Process Host: XAWRK007

First Level Reviewer: dragooj

Date: 14-Oct-2014 09:16:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 2 1-Bromo-3-Chloropropane (Surr) M
1 6.710 6.710 0.000 1015714 3.50 3.14 M
2 6.307 6.307 0.000 4405612 3.50 3.36 M
RPD = 6.78

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_12.D

Injection Date: 10-Oct-2014 19:43:58 Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-10-B DU

Worklist Smp#: 12

Client ID: PW-52

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

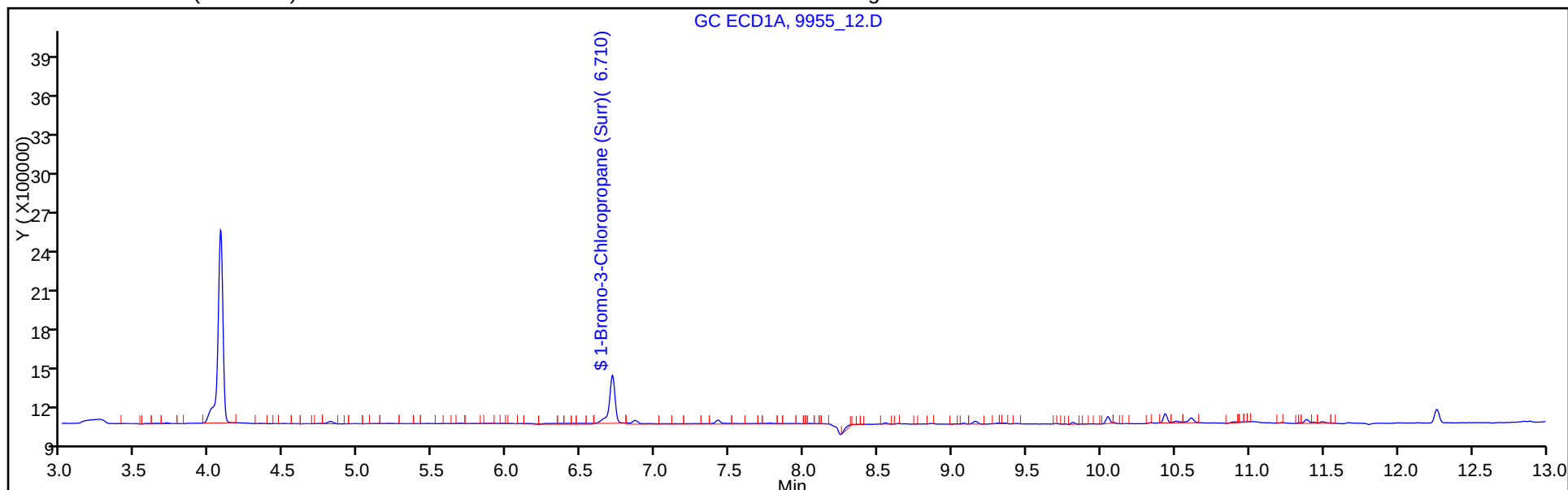
ALS Bottle#: 12

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

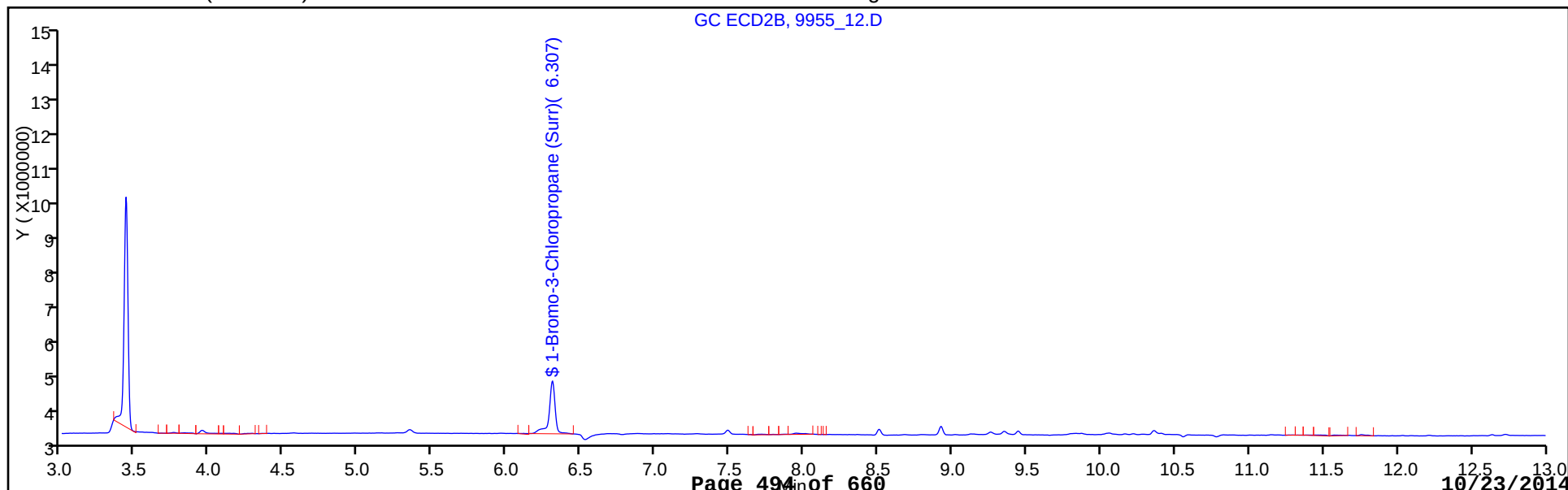
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



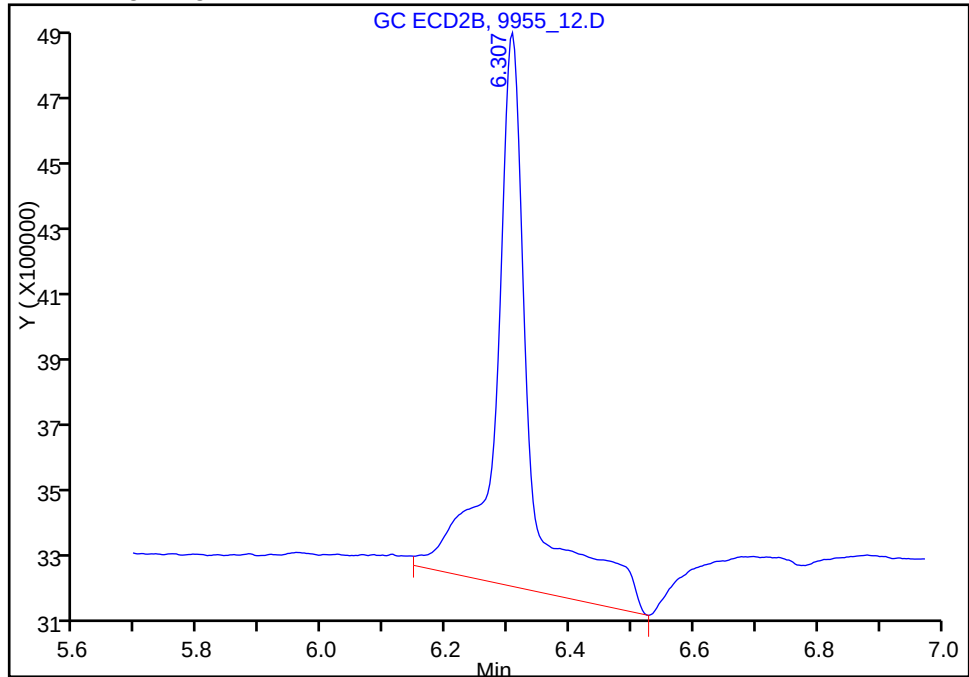
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_12.D
Injection Date: 10-Oct-2014 19:43:58 Instrument ID: CH0911.i
Lims ID: 200-24551-D-10-B DU
Client ID: PW-52
Operator ID: RRM ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Method: 504.1_CH0911.i Limit Group: GC_504.1 Limits
Column: RTX-CLPII (0.32 mm) Detector: GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

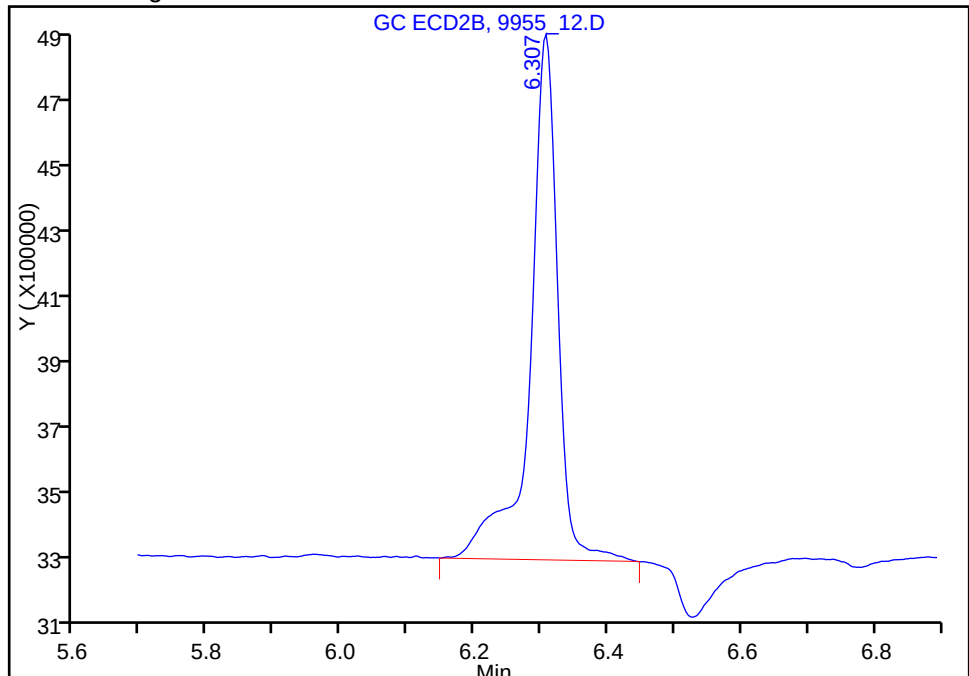
Processing Integration Results

RT: 6.31
Response: 6289113
Amount: 4.801662



Manual Integration Results

RT: 6.31
Response: 4405612
Amount: 3.363631



Reviewer: malaspinar, 11-Oct-2014 08:44:44
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-24551-1</u>
SDG No.: <u>A8091390 (200-24551)</u>	
Client Sample ID: <u>PW-52 TRL</u>	Lab Sample ID: <u>200-24551-10 TRL</u>
Matrix: <u>Water</u>	Lab File ID: <u>9955_14.D</u>
Analysis Method: <u>504.1</u>	Date Collected: <u>10/01/2014 09:54</u>
Extraction Method: <u>504.1</u>	Date Extracted: <u>10/10/2014 11:34</u>
Sample wt/vol: <u>34.4 (mL)</u>	Date Analyzed: <u>10/10/2014 20:43</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1.5 (uL)</u>	GC Column: <u>RTX-CLP</u> ID: <u>0.32 (mm)</u>
% Moisture: <u></u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>78532</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.010	U	0.010	0.0016
96-18-4	1,2,3-Trichloropropane	0.020	U	0.020	0.0028
96-12-8	1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.0026

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	90		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_14.D
Lims ID: 200-24551-D-10-D TRL
Client ID: PW-52
Sample Type: TRL
Inject. Date: 10-Oct-2014 20:43:19 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Sample Info: 200-0009955-014
Operator ID: RRM Instrument ID: CH0911.i
Method: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
Limit Group: GC_504.1 Limits
Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:46:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
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\$ 2 1-Bromo-3-Chloropropane (Surr) M
1 6.711 6.710 0.001 1020785 3.50 3.16 M
2 6.305 6.307 -0.002 4318193 3.50 3.30 M

RPD = 4.28

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Oct-2014 12:55:00

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_14.D

Injection Date: 10-Oct-2014 20:43:19

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-10-D TRL

Worklist Smp#: 14

Client ID: PW-52

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

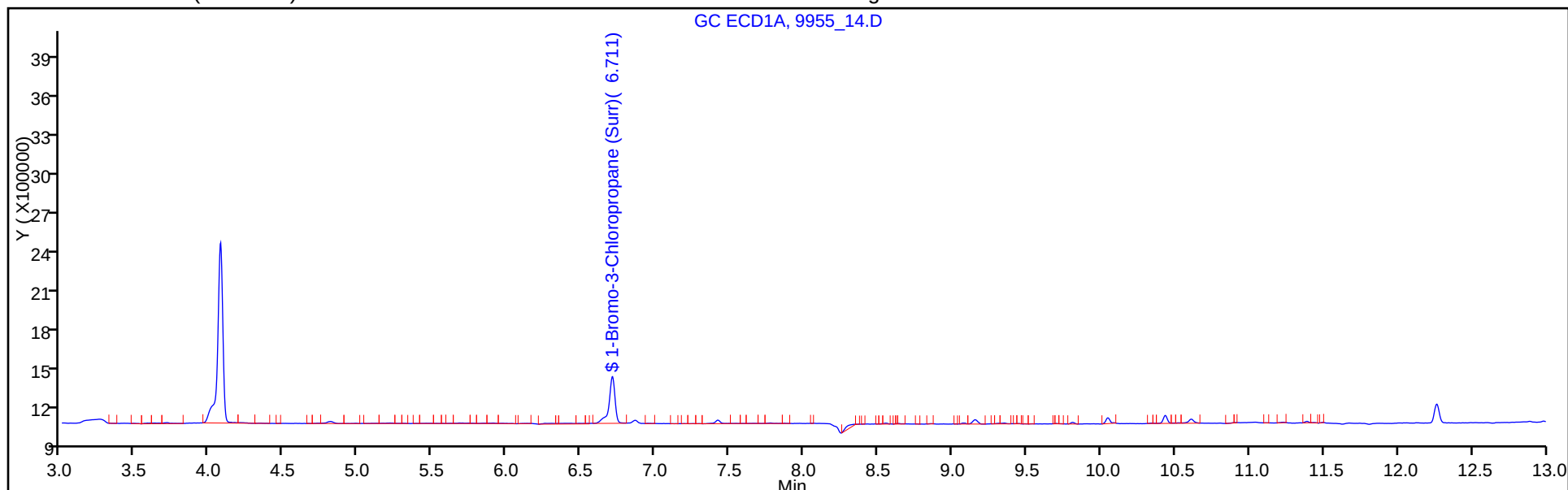
ALS Bottle#: 14

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

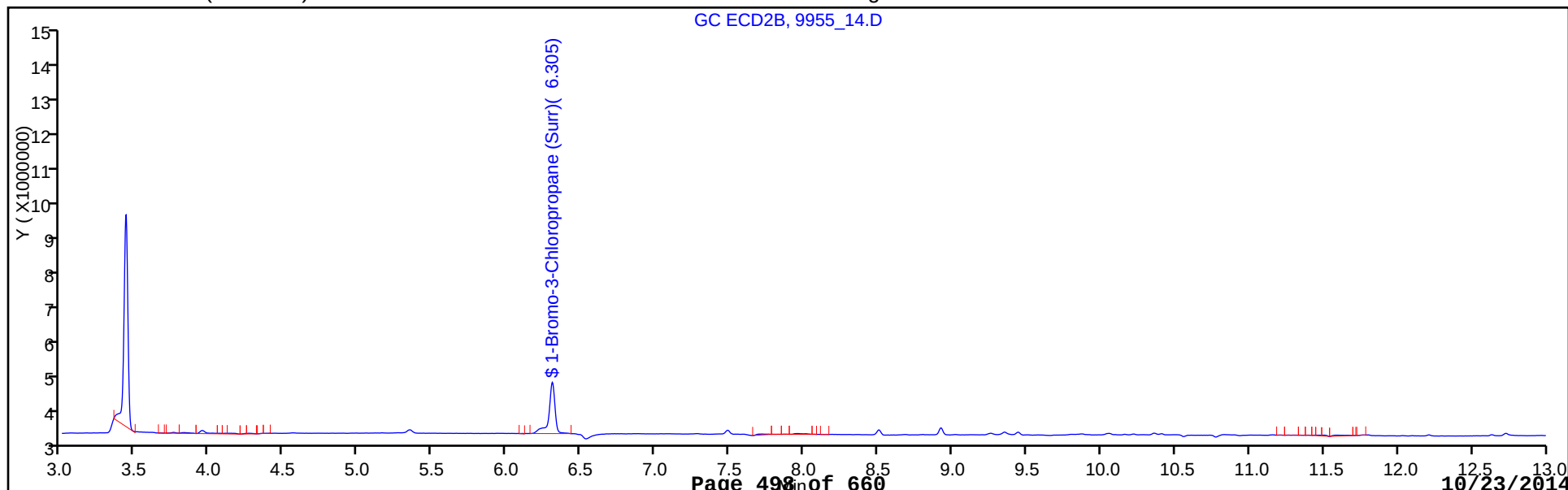
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Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



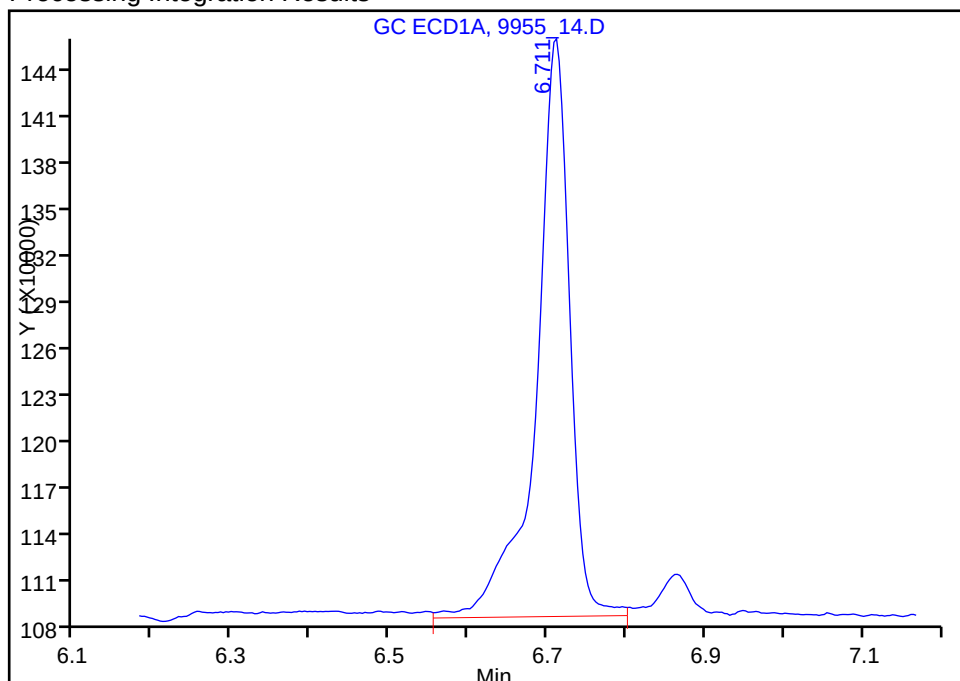
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_14.D
Injection Date: 10-Oct-2014 20:43:19 Instrument ID: CH0911.i
Lims ID: 200-24551-D-10-D TRL
Client ID: PW-52
Operator ID: RRM ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Method: 504.1_CH0911.i Limit Group: GC_504.1 Limits
Column: RTX-CLP (0.32 mm) Detector: GC ECD1A

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

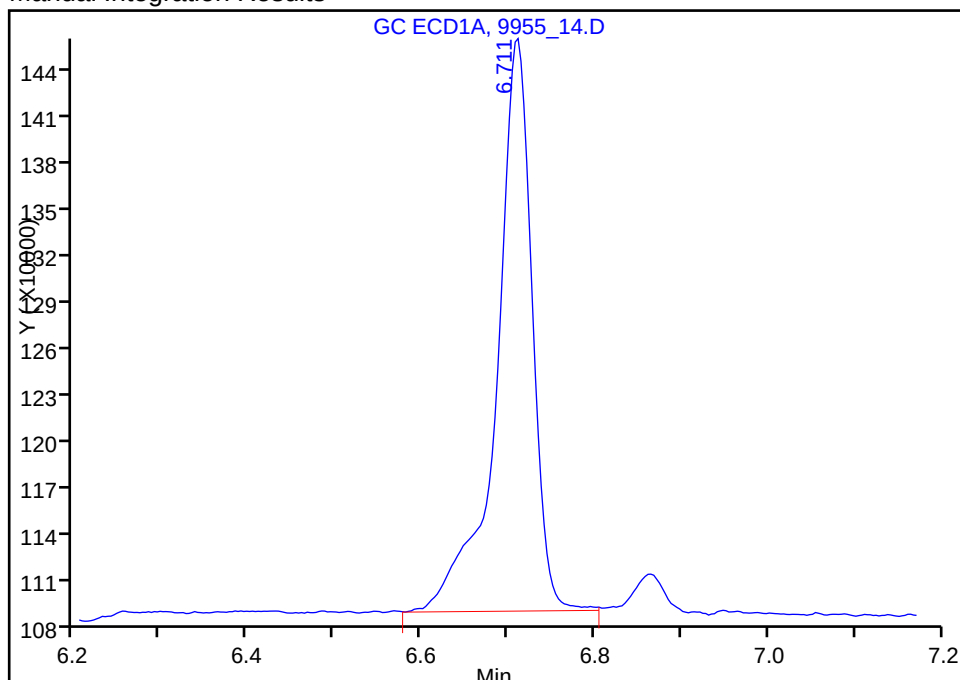
Processing Integration Results

RT: 6.71
Response: 1069637
Amount: 3.309926



Manual Integration Results

RT: 6.71
Response: 1020785
Amount: 3.158757



Reviewer: malaspinar, 13-Oct-2014 12:29:41
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-24551-1</u>
SDG No.: <u>A8091390 (200-24551)</u>	
Client Sample ID: <u>PW-52 TRL</u>	Lab Sample ID: <u>200-24551-10 TRL</u>
Matrix: <u>Water</u>	Lab File ID: <u>9955_14.D</u>
Analysis Method: <u>504.1</u>	Date Collected: <u>10/01/2014 09:54</u>
Extraction Method: <u>504.1</u>	Date Extracted: <u>10/10/2014 11:34</u>
Sample wt/vol: <u>34.4 (mL)</u>	Date Analyzed: <u>10/10/2014 20:43</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1.5 (uL)</u>	GC Column: <u>RTX-CLPII</u> ID: <u>0.32 (mm)</u>
% Moisture: <u></u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>78532</u>	Units: <u>ug/L</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
109-70-6	1-Bromo-3-Chloropropane (Surr)	94		60-140

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_14.D
Lims ID: 200-24551-D-10-D TRL
Client ID: PW-52
Sample Type: TRL
Inject. Date: 10-Oct-2014 20:43:19 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Sample Info: 200-0009955-014
Operator ID: RRM Instrument ID: CH0911.i
Method: \\BTv-LIMS1\ChromData\CH0911.i\20141010-9955.b\504.1_CH0911.i.m
Limit Group: GC_504.1 Limits
Last Update: 13-Oct-2014 12:54:52 Calib Date: 09-Oct-2014 20:49:54
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\BTv-LIMS1\ChromData\CH0911.i\20141009-9932.b\9932_11.D
Column 1 : RTX-CLP (0.32 mm) Det: GC ECD1A
Column 2 : RTX-CLPII (0.32 mm) Det: GC ECD2B
Process Host: XAWRK001

First Level Reviewer: malaspinar

Date: 11-Oct-2014 08:46:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
-----	--------------	------------------	------------------	----------	-----------------	-------------------	-------

\$ 2 1-Bromo-3-Chloropropane (Surr) M
1 6.711 6.710 0.001 1020785 3.50 3.16 M
2 6.305 6.307 -0.002 4318193 3.50 3.30 M

RPD = 4.28

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 13-Oct-2014 12:55:00

Chrom Revision: 2.2 07-Oct-2014 12:16:06

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_14.D

Injection Date: 10-Oct-2014 20:43:19

Instrument ID: CH0911.i

Operator ID: RRM

Lims ID: 200-24551-D-10-D TRL

Worklist Smp#: 14

Client ID: PW-52

Injection Vol: 1.5 ul

Dil. Factor: 1.0000

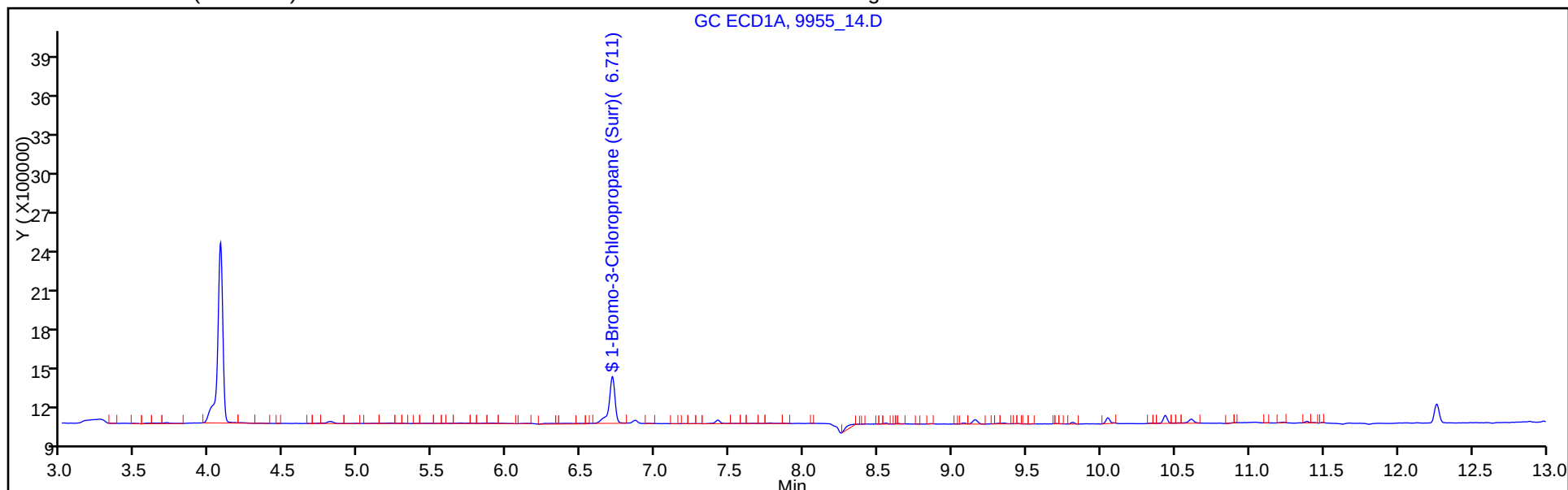
ALS Bottle#: 14

Method: 504.1_CH0911.i

Limit Group: GC_504.1 Limits

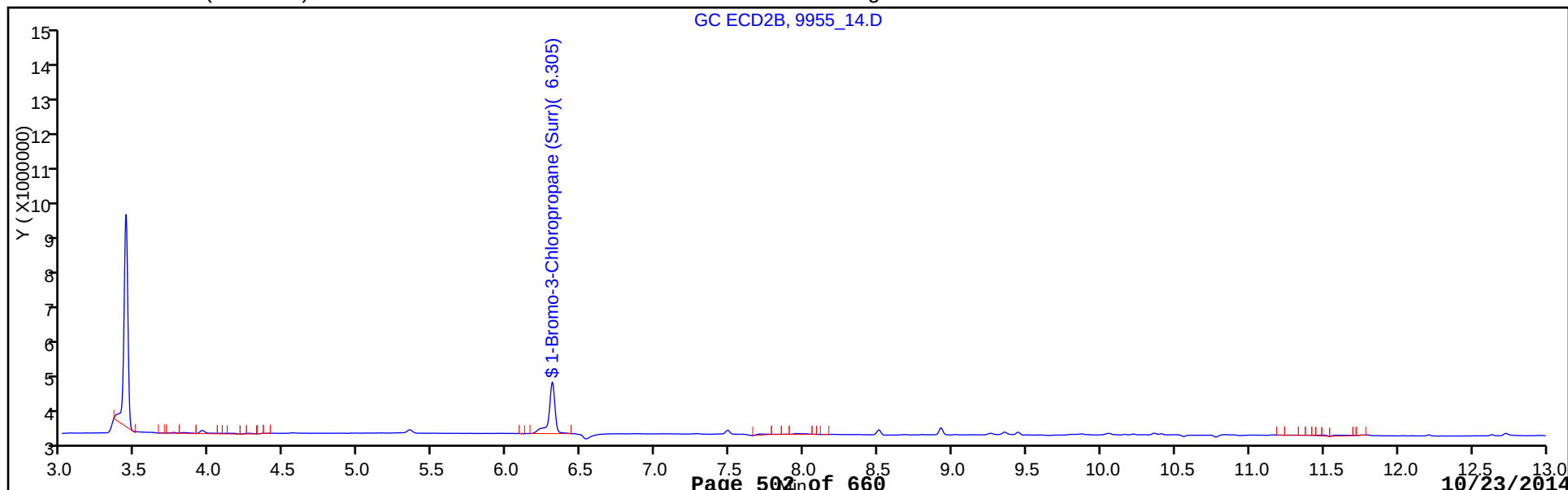
Column: RTX-CLP (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



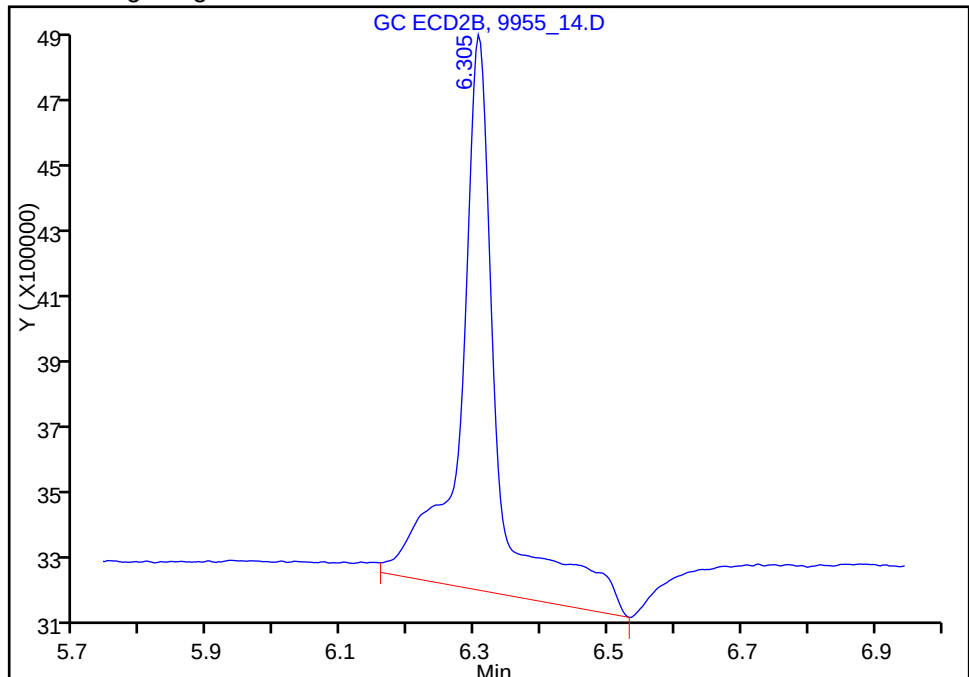
TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CH0911.i\20141010-9955.b\9955_14.D
Injection Date: 10-Oct-2014 20:43:19 Instrument ID: CH0911.i
Lims ID: 200-24551-D-10-D TRL
Client ID: PW-52
Operator ID: RRM ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.5 ul Dil. Factor: 1.0000
Method: 504.1_CH0911.i Limit Group: GC_504.1 Limits
Column: RTX-CLPII (0.32 mm) Detector: GC ECD2B

\$ 2 1-Bromo-3-Chloropropane (Surr), CAS: 109-70-6

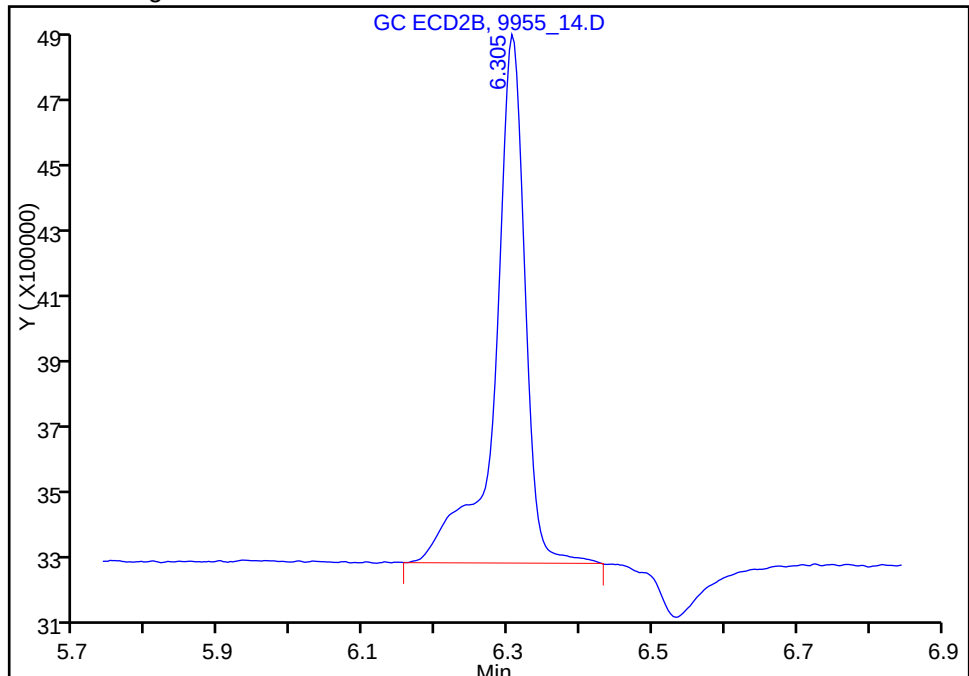
Processing Integration Results

RT: 6.31
Response: 6052370
Amount: 4.620911



Manual Integration Results

RT: 6.31
Response: 4318193
Amount: 3.296888



Reviewer: malaspinar, 11-Oct-2014 08:46:15
Audit Action: Manually Integrated
Audit Reason: Baseline Event

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1SDG No.: A8091390 (200-24551)Batch Number: 78475 Batch Start Date: 10/09/14 15:09 Batch Analyst: Malaspina, Richard RBatch Method: 504.1 Batch End Date: 10/09/14 16:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
IC 200-78475/1		504.1, 504.1		2 mL	2 mL				
IC 200-78475/2		504.1, 504.1		2 mL	2 mL				
IC 200-78475/3		504.1, 504.1		2 mL	2 mL				
ICRT 200-78475/4		504.1, 504.1		2 mL	2 mL				
IC 200-78475/5		504.1, 504.1		2 mL	2 mL				
IC 200-78475/6		504.1, 504.1		2 mL	2 mL				

Batch Notes	
Hexane Lot#	695098 - silica gel clean up
Na2SO4 Lot Number	J12604 (Na2S2O3)
NaCl Lot #	TALS 581021
Person who witnessed spiking	ELD
Sufficient volume for MS/MSD?	Y

Basis	Basis Description

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

504.1

Page 1 of 1

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1SDG No.: A8091390 (200-24551)Batch Number: 78530 Batch Start Date: 10/10/14 11:34 Batch Analyst: Malaspina, Richard RBatch Method: 504.1 Batch End Date: 10/10/14 14:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	GC504BCPSUi 00021	GC504HiCali 00021
CCVRT 200-78530/1		504.1, 504.1				2 mL	2 mL		
ICV 200-78530/2		504.1, 504.1				2 mL	2 mL		
MB 200-78530/3		504.1, 504.1				35 mL	2 mL	70 uL	
LLCS 200-78530/4		504.1, 504.1				35 mL	2 mL		
LCS 200-78530/5		504.1, 504.1				35 mL	2 mL		17.5 uL
200-24551-D-1	TRIP BLANK	504.1, 504.1	T	60.36 g	26.48 g	33.9 mL	2 mL	70 uL	
200-24551-A-8	PW-48	504.1, 504.1	T	60.83 g	26.06 g	34.8 mL	2 mL	70 uL	
200-24551-D-10	PW-52	504.1, 504.1	T	60.73 g	25.96 g	34.8 mL	2 mL	70 uL	
200-24551-D-10 DU	PW-52	504.1, 504.1	T	61.57 g	26.19 g	35.4 mL	2 mL	70 uL	
200-24551-D-10 MS	PW-52	504.1, 504.1	T	60.89 g	25.87 g	35 mL	2 mL		
200-24551-D-10 TRL	PW-52	504.1, 504.1	T	60.18 g	25.82 g	34.4 mL	2 mL	70 uL	
CCV 200-78530/12		504.1, 504.1				2 mL	2 mL		
200-24551-D-11	PW-53	504.1, 504.1	T	59.89 g	26.12 g	33.8 mL	2 mL	70 uL	
200-24551-D-12	DUP	504.1, 504.1	T	58.75 g	26.00 g	32.8 mL	2 mL	70 uL	
CCV 200-78530/16		504.1, 504.1				2 mL	2 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	GC504LoCali 00021					
CCVRT 200-78530/1		504.1, 504.1							
ICV 200-78530/2		504.1, 504.1							
MB 200-78530/3		504.1, 504.1							
LLCS 200-78530/4		504.1, 504.1		70 uL					
LCS 200-78530/5		504.1, 504.1							
200-24551-D-1	TRIP BLANK	504.1, 504.1	T						
200-24551-A-8	PW-48	504.1, 504.1	T						
200-24551-D-10	PW-52	504.1, 504.1	T						

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

504.1

Page 1 of 2

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1SDG No.: A8091390 (200-24551)Batch Number: 78530 Batch Start Date: 10/10/14 11:34 Batch Analyst: Malaspina, Richard RBatch Method: 504.1 Batch End Date: 10/10/14 14:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	GC504LoCali 00021					
200-24551-D-10 DU	PW-52	504.1, 504.1	T						
200-24551-D-10 MS	PW-52	504.1, 504.1	T	350 uL					
200-24551-D-10 TRL	PW-52	504.1, 504.1	T						
CCV 200-78530/12		504.1, 504.1							
200-24551-D-11	PW-53	504.1, 504.1	T						
200-24551-D-12	DUP	504.1, 504.1	T						
CCV 200-78530/16		504.1, 504.1							

Batch Notes	
Balance ID	TA 35263
Hexane Lot#	695098 -siica gel cleaned up
Na2SO4 Lot Number	J12604 ESS, sodium thiosulfate = Na2S2O3
NaCl Lot #	581021
Person who witnessed spiking	JD
Sufficient volume for MS/MSD?	Y

Basis	Basis Description
T	Total/NA

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

504.1

Page 2 of 2

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-24551-1SDG No.: A8091390 (200-24551)Instrument ID: CH0911.iStart Date: 10/09/2014 15:52Analysis Batch Number: 78477End Date: 10/09/2014 23:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCB 200-78477/1		10/09/2014 15:52	1		RTX-CLP 0.32 (mm)
CCB 200-78477/1		10/09/2014 15:52	1		RTX-CLPII 0.32 (mm)
CCB 200-78477/2		10/09/2014 16:21	1		RTX-CLP 0.32 (mm)
CCB 200-78477/2		10/09/2014 16:21	1		RTX-CLPII 0.32 (mm)
CCB 200-78477/3		10/09/2014 16:51	1		RTX-CLP 0.32 (mm)
CCB 200-78477/3		10/09/2014 16:51	1		RTX-CLPII 0.32 (mm)
CCB 200-78477/4		10/09/2014 17:21	1		RTX-CLP 0.32 (mm)
CCB 200-78477/4		10/09/2014 17:21	1		RTX-CLPII 0.32 (mm)
CCB 200-78477/5		10/09/2014 17:51	1		RTX-CLP 0.32 (mm)
CCB 200-78477/5		10/09/2014 17:51	1		RTX-CLPII 0.32 (mm)
IC 200-78475/1-A		10/09/2014 18:20	1	9932_06.D	RTX-CLP 0.32 (mm)
IC 200-78475/1-A		10/09/2014 18:20	1	9932_06.D	RTX-CLPII 0.32 (mm)
IC 200-78475/2-A		10/09/2014 18:50	1	9932_07.D	RTX-CLP 0.32 (mm)
IC 200-78475/2-A		10/09/2014 18:50	1	9932_07.D	RTX-CLPII 0.32 (mm)
IC 200-78475/3-A		10/09/2014 19:20	1	9932_08.D	RTX-CLP 0.32 (mm)
IC 200-78475/3-A		10/09/2014 19:20	1	9932_08.D	RTX-CLPII 0.32 (mm)
ICRT 200-78475/4-A		10/09/2014 19:50	1	9932_09.D	RTX-CLP 0.32 (mm)
ICRT 200-78475/4-A		10/09/2014 19:50	1	9932_09.D	RTX-CLPII 0.32 (mm)
IC 200-78475/5-A		10/09/2014 20:20	1	9932_10.D	RTX-CLP 0.32 (mm)
IC 200-78475/5-A		10/09/2014 20:20	1	9932_10.D	RTX-CLPII 0.32 (mm)
IC 200-78475/6-A		10/09/2014 20:49	1	9932_11.D	RTX-CLP 0.32 (mm)
IC 200-78475/6-A		10/09/2014 20:49	1	9932_11.D	RTX-CLPII 0.32 (mm)
ICV 200-78475/7-A		10/09/2014 21:19	1		RTX-CLP 0.32 (mm)
ICV 200-78475/7-A		10/09/2014 21:19	1		RTX-CLPII 0.32 (mm)
RESC 200-78475/8-A		10/09/2014 21:49	1		RTX-CLP 0.32 (mm)
RESC 200-78475/8-A		10/09/2014 21:49	1		RTX-CLPII 0.32 (mm)
ZZZZZ		10/09/2014 22:19	1		RTX-CLP 0.32 (mm)
ZZZZZ		10/09/2014 22:19	1		RTX-CLPII 0.32 (mm)
ZZZZZ		10/09/2014 22:49	1		RTX-CLP 0.32 (mm)
ZZZZZ		10/09/2014 22:49	1		RTX-CLPII 0.32 (mm)
ZZZZZ		10/09/2014 23:18	1		RTX-CLP 0.32 (mm)
ZZZZZ		10/09/2014 23:18	1		RTX-CLPII 0.32 (mm)
CCV 200-78475/12-A		10/09/2014 23:48	1		RTX-CLP 0.32 (mm)
CCV 200-78475/12-A		10/09/2014 23:48	1		RTX-CLPII 0.32 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-24551-1SDG No.: A8091390 (200-24551)Instrument ID: CH0911.iStart Date: 10/10/2014 14:46Analysis Batch Number: 78532End Date: 10/10/2014 23:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCB 200-78532/2		10/10/2014 14:46	1		RTX-CLP 0.32 (mm)
CCB 200-78532/2		10/10/2014 14:46	1		RTX-CLPII 0.32 (mm)
CCB 200-78532/3		10/10/2014 15:15	1		RTX-CLP 0.32 (mm)
CCB 200-78532/3		10/10/2014 15:15	1		RTX-CLPII 0.32 (mm)
CCVRT 200-78530/1-A		10/10/2014 15:45	1	9955_04.D	RTX-CLP 0.32 (mm)
CCVRT 200-78530/1-A		10/10/2014 15:45	1	9955_04.D	RTX-CLPII 0.32 (mm)
ICV 200-78530/2-A		10/10/2014 16:15	1	9955_05.D	RTX-CLP 0.32 (mm)
ICV 200-78530/2-A		10/10/2014 16:15	1	9955_05.D	RTX-CLPII 0.32 (mm)
MB 200-78530/3-A		10/10/2014 16:45	1	9955_06.D	RTX-CLP 0.32 (mm)
MB 200-78530/3-A		10/10/2014 16:45	1	9955_06.D	RTX-CLPII 0.32 (mm)
LLCS 200-78530/4-A		10/10/2014 17:14	1	9955_07.D	RTX-CLP 0.32 (mm)
LLCS 200-78530/4-A		10/10/2014 17:14	1	9955_07.D	RTX-CLPII 0.32 (mm)
LCS 200-78530/5-A		10/10/2014 17:44	1	9955_08.D	RTX-CLP 0.32 (mm)
LCS 200-78530/5-A		10/10/2014 17:44	1	9955_08.D	RTX-CLPII 0.32 (mm)
200-24551-1	TRIP BLANK	10/10/2014 18:14	1	9955_09.D	RTX-CLP 0.32 (mm)
200-24551-1	TRIP BLANK	10/10/2014 18:14	1	9955_09.D	RTX-CLPII 0.32 (mm)
200-24551-8	PW-48	10/10/2014 18:44	1	9955_10.D	RTX-CLP 0.32 (mm)
200-24551-8	PW-48	10/10/2014 18:44	1	9955_10.D	RTX-CLPII 0.32 (mm)
200-24551-10	PW-52	10/10/2014 19:14	1	9955_11.D	RTX-CLP 0.32 (mm)
200-24551-10	PW-52	10/10/2014 19:14	1	9955_11.D	RTX-CLPII 0.32 (mm)
200-24551-10 DU	PW-52 DU	10/10/2014 19:43	1	9955_12.D	RTX-CLP 0.32 (mm)
200-24551-10 DU	PW-52 DU	10/10/2014 19:43	1	9955_12.D	RTX-CLPII 0.32 (mm)
200-24551-10 MS	PW-52 MS	10/10/2014 20:13	1	9955_13.D	RTX-CLP 0.32 (mm)
200-24551-10 MS	PW-52 MS	10/10/2014 20:13	1	9955_13.D	RTX-CLPII 0.32 (mm)
200-24551-10 TRL	PW-52 TRL	10/10/2014 20:43	1	9955_14.D	RTX-CLP 0.32 (mm)
200-24551-10 TRL	PW-52 TRL	10/10/2014 20:43	1	9955_14.D	RTX-CLPII 0.32 (mm)
CCV 200-78530/12-A		10/10/2014 21:13	1	9955_15.D	RTX-CLP 0.32 (mm)
CCV 200-78530/12-A		10/10/2014 21:13	1	9955_15.D	RTX-CLPII 0.32 (mm)
200-24551-11	PW-53	10/10/2014 21:42	1	9955_16.D	RTX-CLP 0.32 (mm)
200-24551-11	PW-53	10/10/2014 21:42	1	9955_16.D	RTX-CLPII 0.32 (mm)
200-24551-12	DUP	10/10/2014 22:12	1	9955_17.D	RTX-CLP 0.32 (mm)
200-24551-12	DUP	10/10/2014 22:12	1	9955_17.D	RTX-CLPII 0.32 (mm)
ZZZZZ		10/10/2014 22:42	1		RTX-CLP 0.32 (mm)
ZZZZZ		10/10/2014 22:42	1		RTX-CLPII 0.32 (mm)
CCV 200-78530/16-A		10/10/2014 23:11	1	9955_19.D	RTX-CLP 0.32 (mm)
CCV 200-78530/16-A		10/10/2014 23:11	1	9955_19.D	RTX-CLPII 0.32 (mm)

331.0

Perchlorate (LC/MS/MS) by Method 331

FORM III
LCMS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Matrix: Water Level: Low Lab File ID: P100714A331_05.d
Lab ID: LCS 200-78314/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Perchlorate	0.200	0.181 J	90	80-120	

Column to be used to flag recovery and RPD values

FORM III
LCMS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Matrix: Water Level: Low Lab File ID: P100814A331_05.d
Lab ID: LCS 200-78386/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Perchlorate	5.00	4.532	91	80-120	

Column to be used to flag recovery and RPD values

FORM III
LCMS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Matrix: Water Level: Low Lab File ID: P100814A331_10.d
Lab ID: 200-24551-10 MS Client ID: PW-52 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Perchlorate	10.0	10.2	19.71	95	80-120	

Column to be used to flag recovery and RPD values

FORM III
LCMS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
 SDG No.: A8091390 (200-24551)
 Matrix: Water Level: Low Lab File ID: P100814A331_11.d
 Lab ID: 200-24551-10 MSD Client ID: PW-52 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Perchlorate	10.0	19.72	96	0	20	80-120	

Column to be used to flag recovery and RPD values

FORM III
LCMS LC INTERFERENCE CHECK STANDARD RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Matrix: Water Level: Low Lab File ID: P072914_331A09.d
Lab ID: INF 200-77739/8 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	INF CONCENTRATION (ug/L)	INF % REC	QC LIMITS REC	#
Perchlorate	1.00	0.929	93	80-120	

Column to be used to flag recovery and RPD values

FORM III 331.0

FORM IV
LCMS METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab File ID: P100714A331_04.d Lab Sample ID: MB 200-78314/4
Matrix: Water Date Extracted: _____
Instrument ID: LC3062 Date Analyzed: 10/07/2014 12:39
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	ICB 200-78314/1	P100714A331 01.d	10/07/2014 11:53
	LCS 200-78314/5	P100714A331 05.d	10/07/2014 12:54
TRIP BLANK	200-24551-1	P100714A331 06.d	10/07/2014 13:10
PW-33	200-24551-2	P100714A331 07.d	10/07/2014 13:25
PW-34	200-24551-3	P100714A331 08.d	10/07/2014 13:40
PW-37	200-24551-4	P100714A331 09.d	10/07/2014 13:55
PW-38	200-24551-5	P100714A331 10.d	10/07/2014 14:11
PW-40	200-24551-6	P100714A331 11.d	10/07/2014 14:26
PW-43	200-24551-7	P100714A331 12.d	10/07/2014 14:41

FORM IV
LCMS METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
 SDG No.: A8091390 (200-24551)
 Lab File ID: P100814A331_04.d Lab Sample ID: MB 200-78386/4
 Matrix: Water Date Extracted: _____
 Instrument ID: LC3062 Date Analyzed: 10/08/2014 12:19
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	ICB 200-78386/1	P100814A331 01.d	10/08/2014 11:36
	LCS 200-78386/5	P100814A331 05.d	10/08/2014 12:35
PW-53	200-24551-11	P100814A331 06.d	10/08/2014 12:50
DUP	200-24551-12	P100814A331 07.d	10/08/2014 13:05
PW-50	200-24551-9	P100814A331 08.d	10/08/2014 13:21
PW-52	200-24551-10	P100814A331 09.d	10/08/2014 13:36
PW-52 MS	200-24551-10 MS	P100814A331 10.d	10/08/2014 13:51
PW-52 MSD	200-24551-10 MSD	P100814A331 11.d	10/08/2014 14:06

FORM VIII
LCMS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
 SDG No.: A8091390 (200-24551)
 Instrument ID: LC3062 Calibration Start Date: 12/30/2013 14:08
 GC Column: IC-Pak AnionH/R ID: 4.6(mm) Calibration End Date: 12/30/2013 15:09
 Calibration ID: 24947

		18OP					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		95765	8.87				
UPPER LIMIT		191530	9.37				
LOWER LIMIT		47883	8.37				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-66609/7		84691	8.91				
ICB 200-78314/1		51022	8.71				
CCVIS 200-78314/2		53710	8.67				
CCVL 200-78314/3		65243	8.68				
MB 200-78314/4		66564	8.72				
LCS 200-78314/5		64165	8.71				
200-24551-1	TRIP BLANK	68918	8.72				
200-24551-2	PW-33	64882	8.71				
200-24551-3	PW-34	57831	8.68				
200-24551-4	PW-37	60628	8.63				
200-24551-5	PW-38	61187	8.67				
200-24551-6	PW-40	64067	8.74				
200-24551-7	PW-43	60978	8.70				
CCV 200-78314/14		65863	8.72				
ICB 200-78386/1		68556	9.03				
CCVIS 200-78386/2		67286	8.98				
CCVL 200-78386/3		74485	9.00				
MB 200-78386/4		76350	8.88				
LCS 200-78386/5		64633	8.95				
200-24551-11	PW-53	70872	8.85				
200-24551-12	DUP	75352	8.82				
200-24551-9	PW-50	65846	8.91				
200-24551-10	PW-52	65444	8.92				
200-24551-10 MS	PW-52 MS	54924	8.89				
200-24551-10 MSD	PW-52 MSD	61669	8.78				
CCV 200-78386/12		62492	8.85				

18OP = 18-O Perchlorate

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
LCMS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Sample No.: CCVIS 200-77739/2 Date Analyzed: 07/29/2014 19:23
Instrument ID: LC3062 GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
Lab File ID (Standard): P072914_331A02.d Heated Purge: (Y/N) N
Calibration ID: 24947

		18OP					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		93264	9.44				
UPPER LIMIT		121243	9.94				
LOWER LIMIT		65285	8.94				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVL 200-77739/3		111345	9.41				
LSSMB 200-77739/4		102327	9.03				
INF 200-77739/8		96090	8.98				
CCV 200-77739/9		87152	9.44				

18OP = 18-O Perchlorate

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

Column used to flag values outside QC limits

FORM VIII
LCMS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Sample No.: CCVIS 200-78314/2 Date Analyzed: 10/07/2014 12:08
Instrument ID: LC3062 GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
Lab File ID (Standard): P100714A331_02.d Heated Purge: (Y/N) N
Calibration ID: 24947

		18OP					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		53710	8.67				
UPPER LIMIT		69823	9.17				
LOWER LIMIT		37597	8.17				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVL 200-78314/3		65243	8.68				
MB 200-78314/4		66564	8.72				
LCS 200-78314/5		64165	8.71				
200-24551-1	TRIP BLANK	68918	8.72				
200-24551-2	PW-33	64882	8.71				
200-24551-3	PW-34	57831	8.68				
200-24551-4	PW-37	60628	8.63				
200-24551-5	PW-38	61187	8.67				
200-24551-6	PW-40	64067	8.74				
200-24551-7	PW-43	60978	8.70				
CCV 200-78314/14		65863	8.72				

18OP = 18-O Perchlorate

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

Column used to flag values outside QC limits

FORM VIII
LCMS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Sample No.: CCVIS 200-78386/2 Date Analyzed: 10/08/2014 11:49
Instrument ID: LC3062 GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
Lab File ID (Standard): P100814A331_02.d Heated Purge: (Y/N) N
Calibration ID: 24947

		18OP					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		67286	8.98				
UPPER LIMIT		87472	9.48				
LOWER LIMIT		47100	8.48				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVL 200-78386/3		74485	9.00				
MB 200-78386/4		76350	8.88				
LCS 200-78386/5		64633	8.95				
200-24551-11	PW-53	70872	8.85				
200-24551-12	DUP	75352	8.82				
200-24551-9	PW-50	65846	8.91				
200-24551-10	PW-52	65444	8.92				
200-24551-10 MS	PW-52 MS	54924	8.89				
200-24551-10 MSD	PW-52 MSD	61669	8.78				
CCV 200-78386/12		62492	8.85				

18OP = 18-O Perchlorate

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

Column used to flag values outside QC limits

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: TRIP BLANK Lab Sample ID: 200-24551-1
Matrix: Water Lab File ID: P100714A331_06.d
Analysis Method: 331.0 Date Collected: 10/01/2014 00:00
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/07/2014 13:10
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78314 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	0.20	U	0.20	0.017

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\P100714A331_06.d
 Lims ID: 200-24551-G-1 Lab Sample ID: 200-24551-1
 Client ID: TRIP BLANK
 Sample Type: Client
 Inject. Date: 07-Oct-2014 13:10:12 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009879-006 200-24551-G-1
 Misc. Info.: P100714A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 08:38:09 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM
 Process Host: XAWRK033

First Level Reviewer: vuonoc

Date: 07-Oct-2014 13:42:51

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7 8.894 ND

100.7 > 84.7 8.894

* 23 18-O Perchlorate

106.7 > 88.7 8.723 9.101 -0.378 68918 1.00

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

LCPercWISi_00018

Amount Added: 50.00

Units: uL

Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\100714A331_06.d

Injection Date: 07-Oct-2014 13:10:12

Instrument ID: LC3062

Lims ID: 200-24551-G-1

Lab Sample ID: 200-24551-1

Client ID: TRIP BLANK

Operator ID: CAV

ALS Bottle#: 6

Worklist Smp#: 6

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

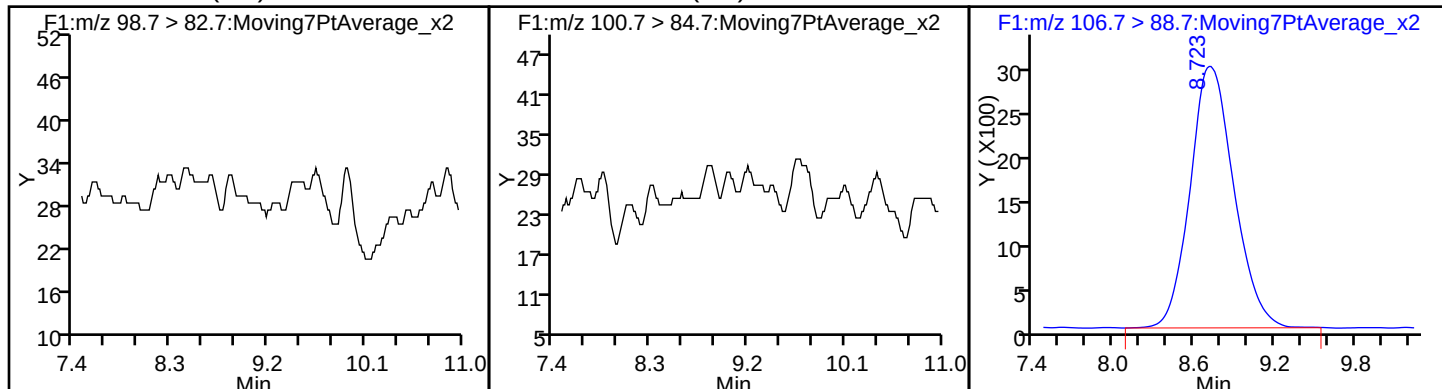
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate (ND)

24 Perchlorate (ND)

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-33 Lab Sample ID: 200-24551-2
Matrix: Water Lab File ID: P100714A331_07.d
Analysis Method: 331.0 Date Collected: 10/01/2014 10:27
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/07/2014 13:25
Con. Extract Vol.: _____ Dilution Factor: 3
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78314 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	16.3		0.60	0.051

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\100714A331_07.d
 Lims ID: 200-24551-A-2 Lab Sample ID: 200-24551-2
 Client ID: PW-33
 Sample Type: Client
 Inject. Date: 07-Oct-2014 13:25:16 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 100.0 ul Dil. Factor: 3.0000
 Sample Info: 200-0009879-007 200-24551-A-2
 Misc. Info.: P100714A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 08:38:09 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

First Level Reviewer: vuonoc

Date: 07-Oct-2014 13:42:45

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
24 Perchlorate									
98.7 > 82.7	8.765	8.894	-0.129	1.006	375111	5.44			
100.7 > 84.7	8.737	8.894	-0.157	1.003	127966		2.93(2.31-3.85)		
* 23 18-O Perchlorate									
106.7 > 88.7	8.709	9.101	-0.392		64882	1.00			M
									M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

LCPerCWISi_00018 Amount Added: 50.00 Units: uL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\100714A331_07.d

Injection Date: 07-Oct-2014 13:25:16

Instrument ID: LC3062

Lims ID: 200-24551-A-2

Lab Sample ID: 200-24551-2

Client ID: PW-33

Operator ID: CAV

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 100.0 ul

Dil. Factor: 3.0000

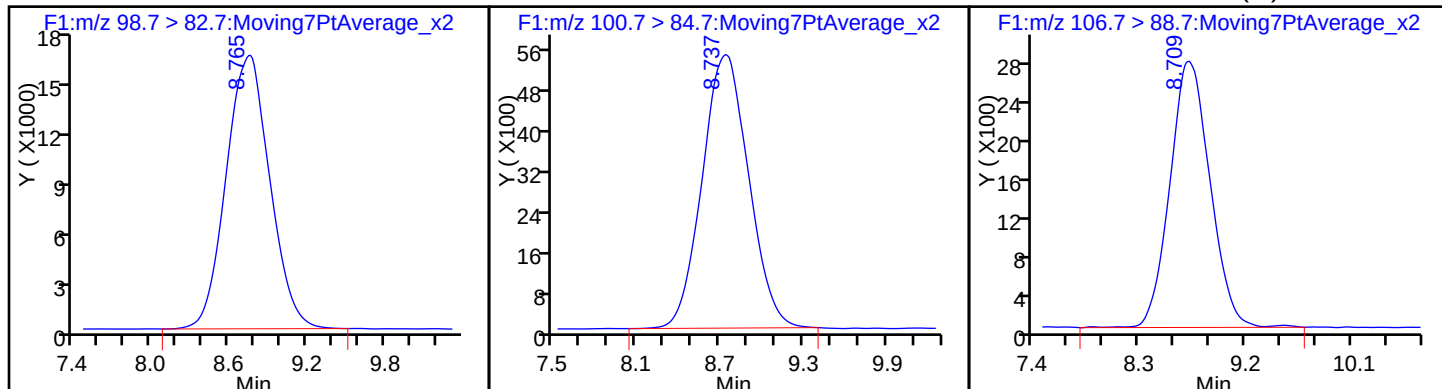
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate (M)



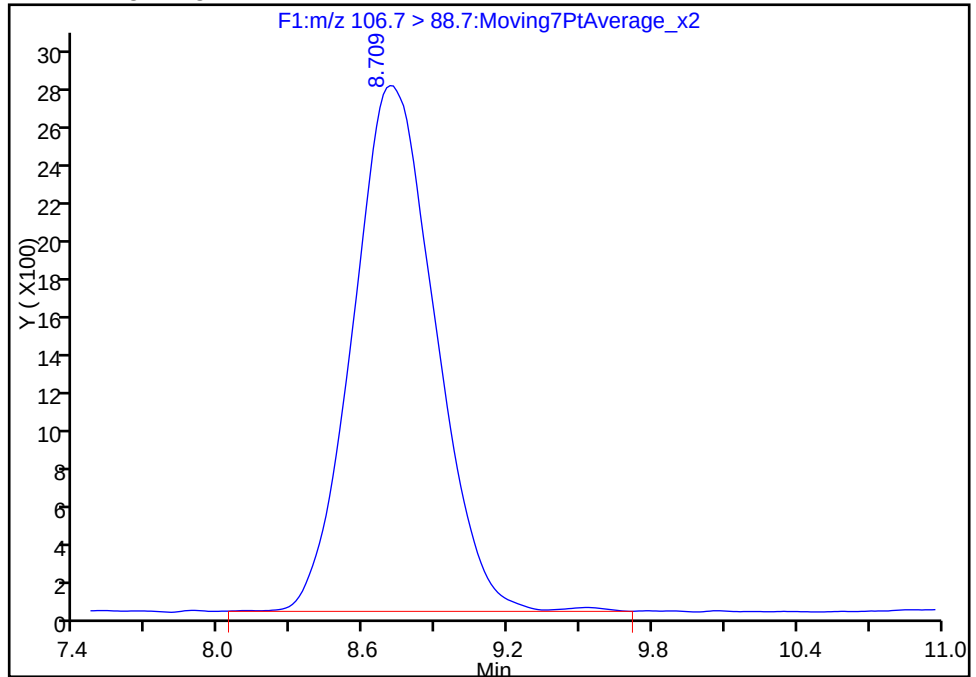
TestAmerica Burlington

Data File:	\\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\P100714A331_07.d		
Injection Date:	07-Oct-2014 13:25:16	Instrument ID:	LC3062
Lims ID:	200-24551-A-2	Lab Sample ID:	200-24551-2
Client ID:	PW-33		
Operator ID:	CAV	ALS Bottle#:	7
Injection Vol:	100.0 ul	Dil. Factor:	3.0000
Method:	perc_LC3062	Limit Group:	LC_331.0_Limits
Column:		Detector:	F1:MRM
		Worklist Smp#:	7

* 23 18-O Perchlorate, CAS: 7601-89-0

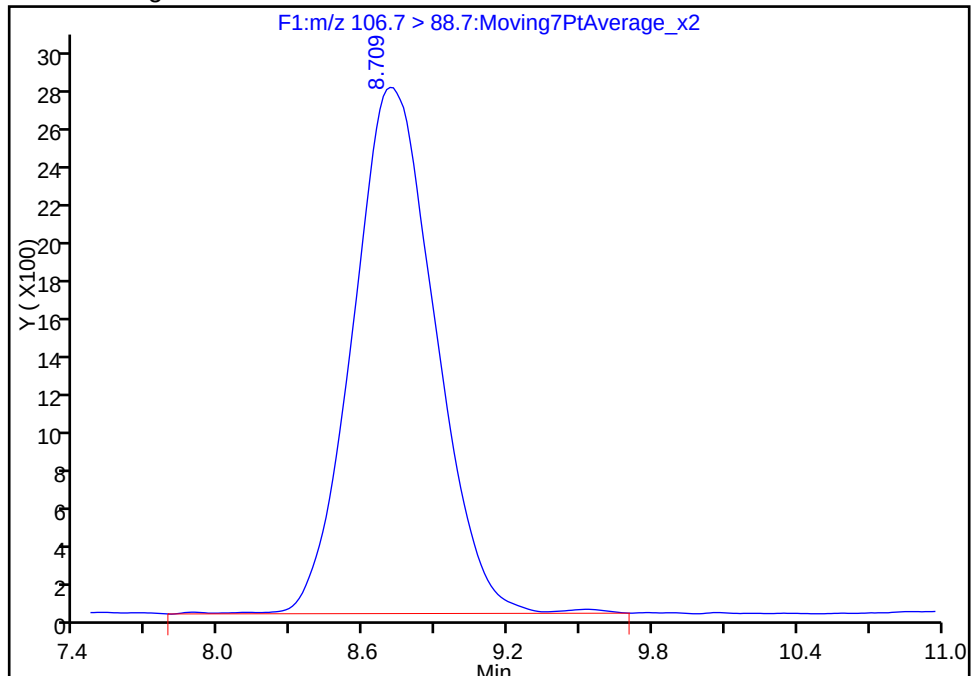
Processing Integration Results

RT: 8.71
Response: 64639
Amount: 1.000000



Manual Integration Results

RT: 8.71
Response: 64882
Amount: 1.000000



Reviewer: vuonoc, 07-Oct-2014 13:42:45
Audit Action: Manually Integrated
Audit Reason: Baseline Event

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-34 Lab Sample ID: 200-24551-3
Matrix: Water Lab File ID: P100714A331_08.d
Analysis Method: 331.0 Date Collected: 10/01/2014 10:49
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/07/2014 13:40
Con. Extract Vol.: _____ Dilution Factor: 5
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78314 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	24.0		1.00	0.085

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\P100714A331_08.d
 Lims ID: 200-24551-A-3 Lab Sample ID: 200-24551-3
 Client ID: PW-34
 Sample Type: Client
 Inject. Date: 07-Oct-2014 13:40:33 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 100.0 ul Dil. Factor: 5.0000
 Sample Info: 200-0009879-008 200-24551-A-3
 Misc. Info.: P100714A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 08:38:09 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d
 Column 1 : Det: F1:MRM
 Process Host: XAWRK033

First Level Reviewer: vuonoc

Date: 07-Oct-2014 14:23:13

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.681	8.894	-0.213	1.000	294444	4.79			
100.7 > 84.7	8.681	8.894	-0.213	1.000	100654		2.93(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.681	9.101	-0.420		57831	1.00			
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Reagents:

LCPercWISi_00018	Amount Added: 50.00	Units: uL	Run Reagent
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\100714A331_08.d

Injection Date: 07-Oct-2014 13:40:33

Instrument ID: LC3062

Lims ID: 200-24551-A-3

Lab Sample ID: 200-24551-3

Client ID: PW-34

Operator ID: CAV

ALS Bottle#: 8

Worklist Smp#: 8

Injection Vol: 100.0 ul

Dil. Factor: 5.0000

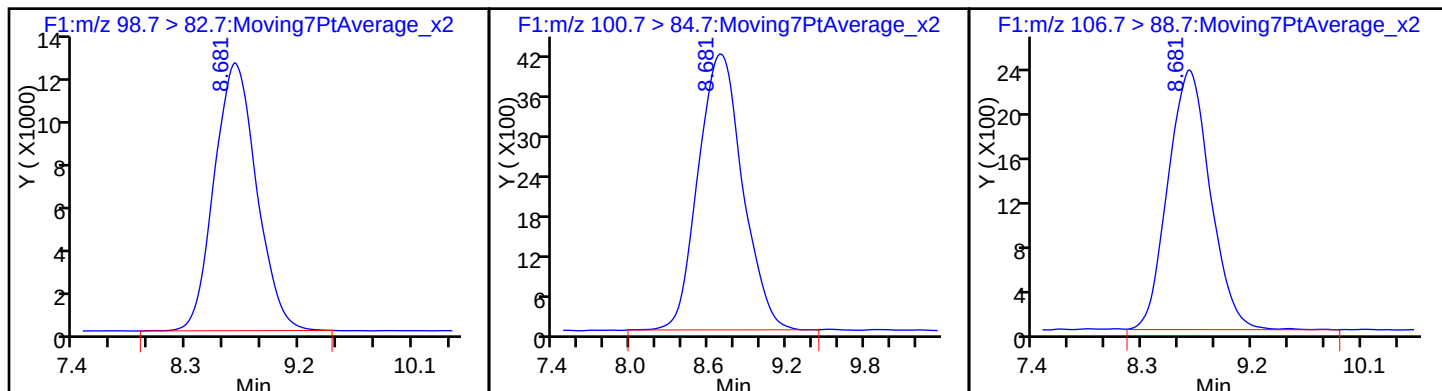
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-37 Lab Sample ID: 200-24551-4
Matrix: Water Lab File ID: P100714A331_09.d
Analysis Method: 331.0 Date Collected: 10/01/2014 12:34
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/07/2014 13:55
Con. Extract Vol.: _____ Dilution Factor: 6
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78314 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	55.4		1.20	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20141007-9879.b\p100714A331_09.d
 Lims ID: 200-24551-A-4 Lab Sample ID: 200-24551-4
 Client ID: PW-37
 Sample Type: Client
 Inject. Date: 07-Oct-2014 13:55:53 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 100.0 ul Dil. Factor: 6.0000
 Sample Info: 200-0009879-009 200-24551-A-4
 Misc. Info.: P100714A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20141007-9879.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 08:38:09 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\p123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.681	8.894	-0.213	1.006	594306	9.23			
100.7 > 84.7	8.639	8.894	-0.255	1.002	204334		2.91(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.625	9.101	-0.476		60628	1.00			
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Reagents:

LCPerCWISi_00018 Amount Added: 50.00 Units: uL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\100714A331_09.d

Injection Date: 07-Oct-2014 13:55:53

Instrument ID: LC3062

Lims ID: 200-24551-A-4

Lab Sample ID: 200-24551-4

Client ID: PW-37

Operator ID: CAV

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 100.0 ul

Dil. Factor: 6.0000

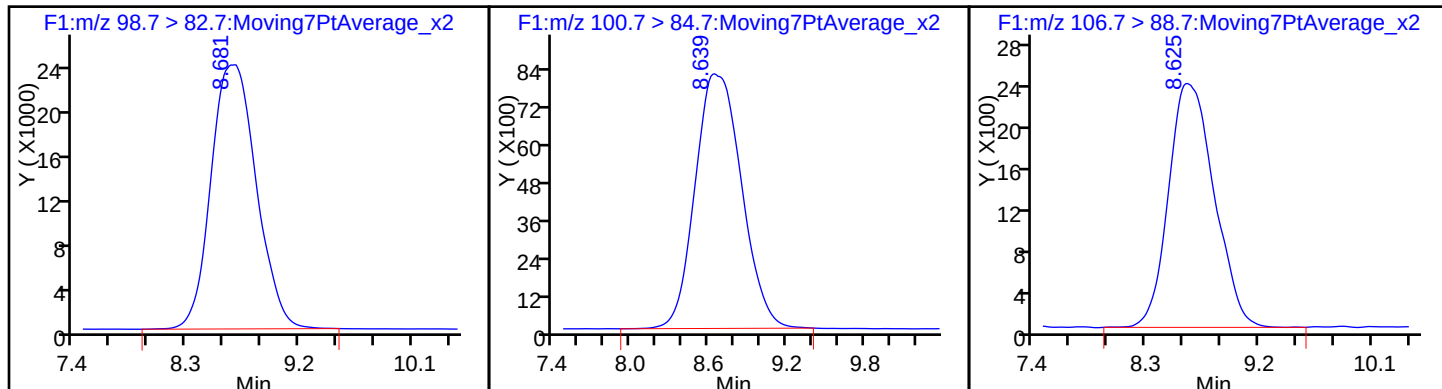
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-38 Lab Sample ID: 200-24551-5
Matrix: Water Lab File ID: P100714A331_10.d
Analysis Method: 331.0 Date Collected: 10/01/2014 12:55
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/07/2014 14:11
Con. Extract Vol.: _____ Dilution Factor: 3
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78314 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	15.8		0.60	0.051

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\P100714A331_10.d
 Lims ID: 200-24551-A-5 Lab Sample ID: 200-24551-5
 Client ID: PW-38
 Sample Type: Client
 Inject. Date: 07-Oct-2014 14:11:11 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 100.0 ul Dil. Factor: 3.0000
 Sample Info: 200-0009879-010 200-24551-A-5
 Misc. Info.: P100714A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 08:38:09 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d
 Column 1 : Det: F1:MRM
 Process Host: XAWRK033

First Level Reviewer: vuonoc

Date: 07-Oct-2014 14:48:15

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.695	8.894	-0.199	1.003	341489	5.26			
100.7 > 84.7	8.709	8.894	-0.185	1.005	115838		2.95(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.667	9.101	-0.434		61187	1.00			
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Reagents:

LCPercWISi_00018	Amount Added: 50.00	Units: uL	Run Reagent
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\100714A331_10.d

Injection Date: 07-Oct-2014 14:11:11

Instrument ID: LC3062

Lims ID: 200-24551-A-5

Lab Sample ID: 200-24551-5

Client ID: PW-38

Operator ID: CAV

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 100.0 ul

Dil. Factor: 3.0000

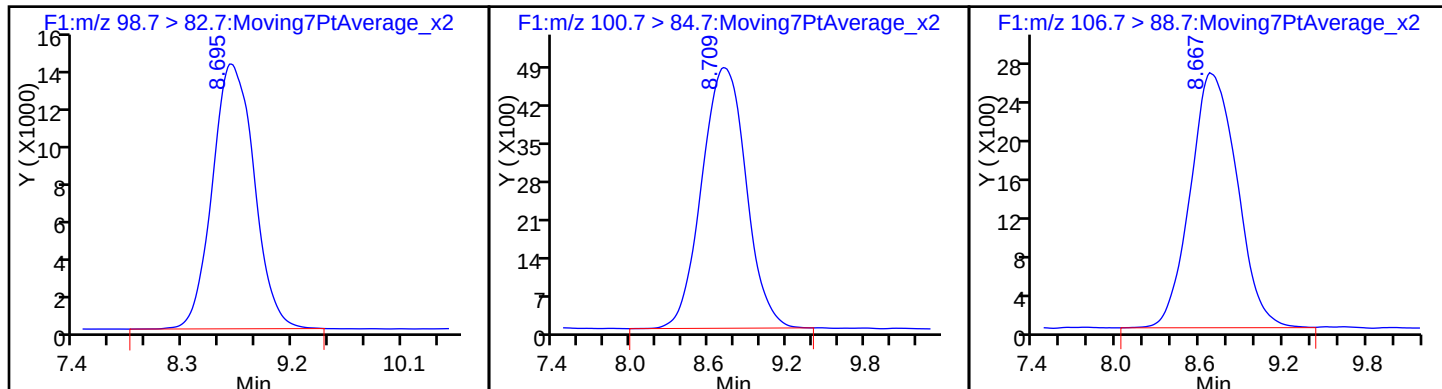
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-40 Lab Sample ID: 200-24551-6
Matrix: Water Lab File ID: P100714A331_11.d
Analysis Method: 331.0 Date Collected: 10/01/2014 13:14
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/07/2014 14:26
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78314 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	8.32		0.20	0.017

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\P100714A331_11.d
 Lims ID: 200-24551-A-6 Lab Sample ID: 200-24551-6
 Client ID: PW-40
 Sample Type: Client
 Inject. Date: 07-Oct-2014 14:26:27 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009879-011 200-24551-A-6
 Misc. Info.: P100714A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 08:38:09 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM
 Process Host: XAWRK033

First Level Reviewer: vuonoc

Date: 07-Oct-2014 14:58:09

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.723	8.894	-0.171	0.998	565904	8.32			
100.7 > 84.7	8.737	8.894	-0.157	1.000	191126		2.96(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.737	9.101	-0.364		64067	1.00			
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Reagents:

LCPercWISi_00018 Amount Added: 50.00 Units: uL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\100714A331_11.d

Injection Date: 07-Oct-2014 14:26:27

Instrument ID: LC3062

Lims ID: 200-24551-A-6

Lab Sample ID: 200-24551-6

Client ID: PW-40

Operator ID: CAV

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

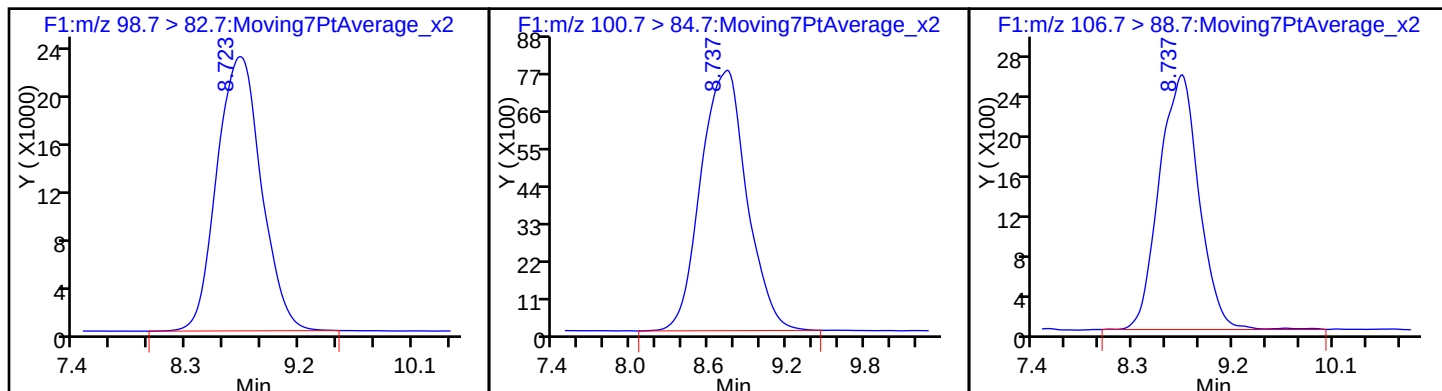
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-43 Lab Sample ID: 200-24551-7
Matrix: Water Lab File ID: P100714A331_12.d
Analysis Method: 331.0 Date Collected: 10/01/2014 11:23
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/07/2014 14:41
Con. Extract Vol.: _____ Dilution Factor: 5
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78314 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	36.0		1.00	0.085

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20141007-9879.b\p100714A331_12.d
 Lims ID: 200-24551-A-7 Lab Sample ID: 200-24551-7
 Client ID: PW-43
 Sample Type: Client
 Inject. Date: 07-Oct-2014 14:41:55 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 100.0 ul Dil. Factor: 5.0000
 Sample Info: 200-0009879-012 200-24551-A-7
 Misc. Info.: P100714A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20141007-9879.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 08:38:09 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\p123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.737	8.894	-0.157	1.005	466243	7.20			
100.7 > 84.7	8.751	8.894	-0.143	1.006	150392		3.10(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.695	9.101	-0.406		60978	1.00			
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Reagents:

LCPercWISi_00018 Amount Added: 50.00 Units: uL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\100714A331_12.d

Injection Date: 07-Oct-2014 14:41:55

Instrument ID: LC3062

Lims ID: 200-24551-A-7

Lab Sample ID: 200-24551-7

Client ID: PW-43

Operator ID: CAV

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 100.0 ul

Dil. Factor: 5.0000

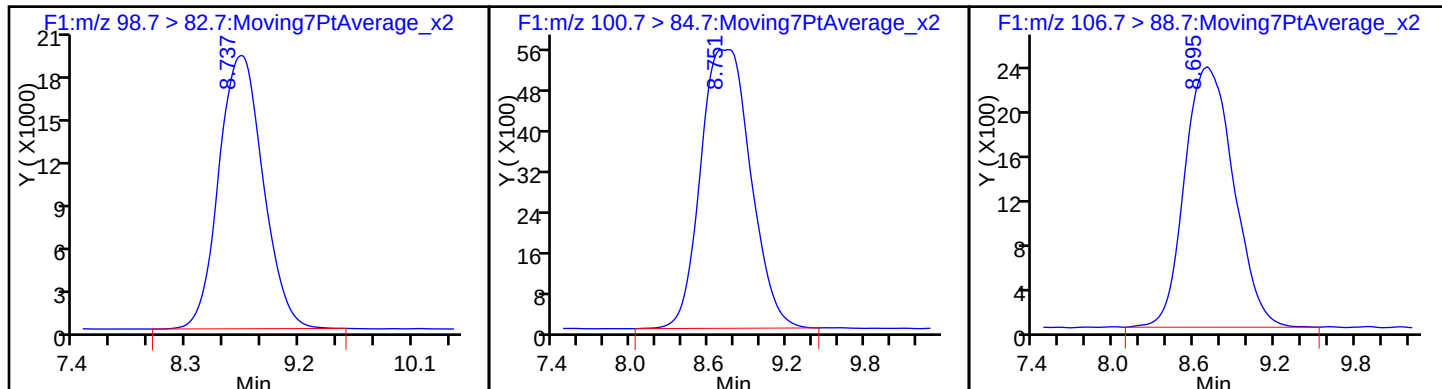
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-50 Lab Sample ID: 200-24551-9
Matrix: Water Lab File ID: P100814A331_08.d
Analysis Method: 331.0 Date Collected: 10/01/2014 13:36
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/08/2014 13:21
Con. Extract Vol.: _____ Dilution Factor: 10
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78386 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	70.9		2.00	0.17

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\100814A331_08.d
 Lims ID: 200-24551-A-9 Lab Sample ID: 200-24551-9
 Client ID: PW-50
 Sample Type: Client
 Inject. Date: 08-Oct-2014 13:21:10 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 100.0 ul Dil. Factor: 10.0000
 Sample Info: 200-0009905-008 200-24551-A-9
 Misc. Info.: P100814A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 14:45:15 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.919	8.894	0.025	1.002	495440	7.09			
100.7 > 84.7	8.891	8.894	-0.003	0.998	171160		2.89(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.905	9.101	-0.196		65846	1.00			
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Reagents:

LCPercWISi_00018 Amount Added: 50.00 Units: uL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\100814A331_08.d

Injection Date: 08-Oct-2014 13:21:10

Instrument ID: LC3062

Lims ID: 200-24551-A-9

Lab Sample ID: 200-24551-9

Client ID: PW-50

Operator ID: CAV

ALS Bottle#: 8

Worklist Smp#: 8

Injection Vol: 100.0 ul

Dil. Factor: 10.0000

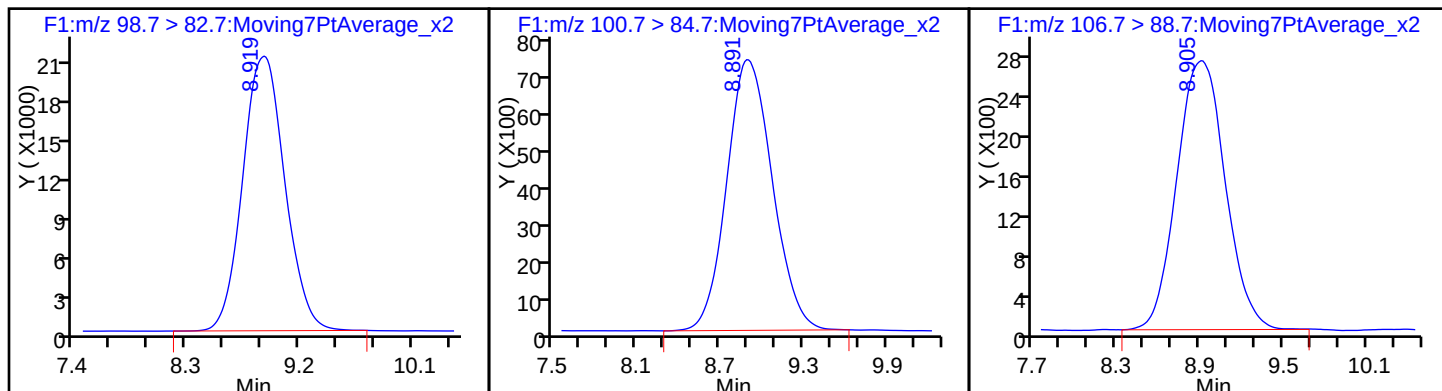
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-52 Lab Sample ID: 200-24551-10
Matrix: Water Lab File ID: P100814A331_09.d
Analysis Method: 331.0 Date Collected: 10/01/2014 09:54
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/08/2014 13:36
Con. Extract Vol.: _____ Dilution Factor: 2
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78386 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	10.2		0.40	0.034

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\P100814A331_09.d
Lims ID: 200-24551-H-10 Lab Sample ID: 200-24551-10
Client ID: PW-52
Sample Type: Client
Inject. Date: 08-Oct-2014 13:36:24 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 100.0 ul Dil. Factor: 2.0000
Sample Info: 200-0009905-009 200-24551-H-10
Misc. Info.: P100814A_331
Operator ID: CAV Instrument ID: LC3062
Raw Data: Smoothed
Method: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\perc_LC3062.m
Limit Group: LC_331.0_Limits
Last Update: 08-Oct-2014 14:45:15 Calib Date: 30-Dec-2013 15:09:10
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

First Level Reviewer: vuonoc

Date: 08-Oct-2014 13:57:27

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.947	8.894	0.053	1.003	352888	5.08			
100.7 > 84.7	8.933	8.894	0.039	1.002	121402		2.91(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.919	9.101	-0.182		65444	1.00			
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Reagents:

LCPercWISi_00018 Amount Added: 50.00 Units: uL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\100814A331_09.d

Injection Date: 08-Oct-2014 13:36:24

Instrument ID: LC3062

Lims ID: 200-24551-H-10

Lab Sample ID: 200-24551-10

Client ID: PW-52

Operator ID: CAV

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 100.0 ul

Dil. Factor: 2.0000

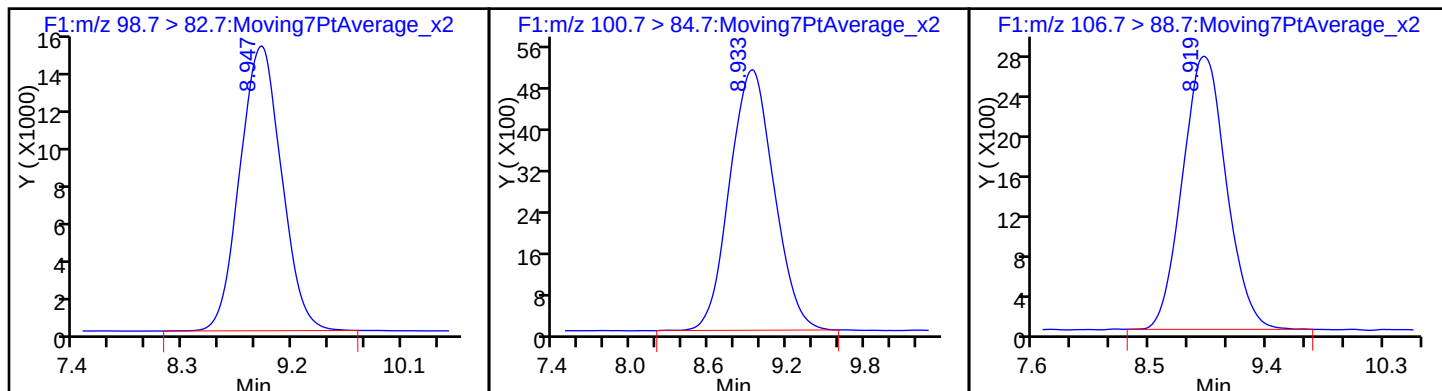
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-53 Lab Sample ID: 200-24551-11
Matrix: Water Lab File ID: P100814A331_06.d
Analysis Method: 331.0 Date Collected: 10/01/2014 12:01
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/08/2014 12:50
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78386 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	3.55		0.20	0.017

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\P100814A331_06.d
Lims ID: 200-24551-H-11 Lab Sample ID: 200-24551-11
Client ID: PW-53
Sample Type: Client
Inject. Date: 08-Oct-2014 12:50:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 100.0 ul Dil. Factor: 1.0000
Sample Info: 200-0009905-006 200-24551-H-11
Misc. Info.: P100814A_331
Operator ID: CAV Instrument ID: LC3062
Raw Data: Smoothed

Method: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\perc_LC3062.m
Limit Group: LC_331.0_Limits
Last Update: 08-Oct-2014 14:45:15 Calib Date: 30-Dec-2013 15:09:10
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM
Process Host: XAWRK033

First Level Reviewer: vuonoc

Date: 08-Oct-2014 13:28:40

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.877	8.894	-0.017	1.003	267036	3.55			
100.7 > 84.7	8.891	8.894	-0.003	1.005	88115		3.03(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.849	9.101	-0.252		70872	1.00			
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Reagents:

LCPercWISi_00018	Amount Added: 50.00	Units: uL	Run Reagent
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\100814A331_06.d

Injection Date: 08-Oct-2014 12:50:30

Instrument ID: LC3062

Lims ID: 200-24551-H-11

Lab Sample ID: 200-24551-11

Client ID: PW-53

Operator ID: CAV

ALS Bottle#: 6

Worklist Smp#: 6

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

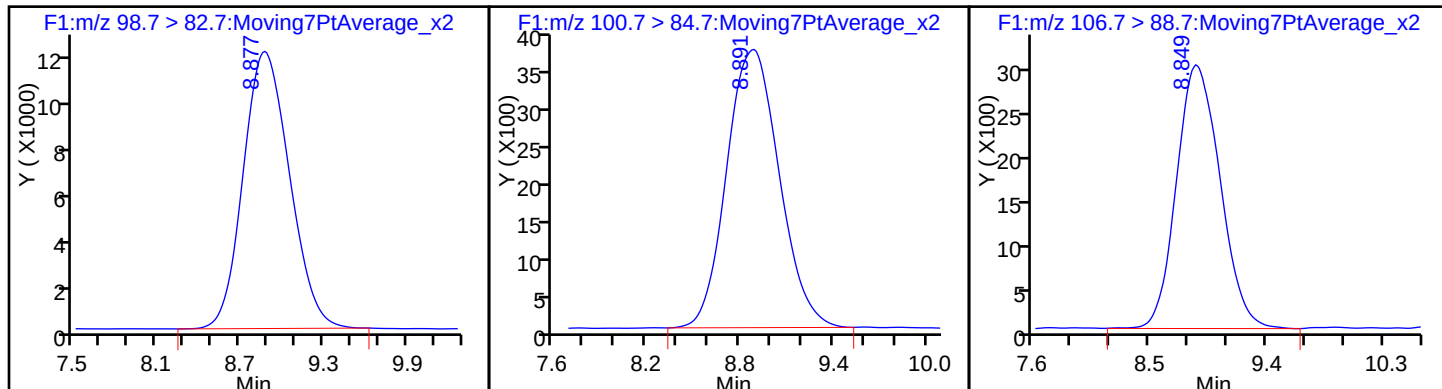
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: DUP Lab Sample ID: 200-24551-12
Matrix: Water Lab File ID: P100814A331_07.d
Analysis Method: 331.0 Date Collected: 10/01/2014 12:01
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/08/2014 13:05
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78386 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	3.52		0.20	0.017

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\P100814A331_07.d
 Lims ID: 200-24551-H-12 Lab Sample ID: 200-24551-12
 Client ID: DUP
 Sample Type: Client
 Inject. Date: 08-Oct-2014 13:05:47 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009905-007 200-24551-H-12
 Misc. Info.: P100814A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 14:45:15 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d
 Column 1 : Det: F1:MRM
 Process Host: XAWRK033

First Level Reviewer: vuonoc

Date: 08-Oct-2014 13:57:36

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.849	8.894	-0.045	1.003	281477	3.52			
100.7 > 84.7	8.849	8.894	-0.045	1.003	92406		3.05(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.821	9.101	-0.280		75352	1.00			
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Reagents:

LCPerCWISi_00018	Amount Added: 50.00	Units: uL	Run Reagent
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\100814A331_07.d

Injection Date: 08-Oct-2014 13:05:47

Instrument ID: LC3062

Lims ID: 200-24551-H-12

Lab Sample ID: 200-24551-12

Client ID: DUP

Operator ID: CAV

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

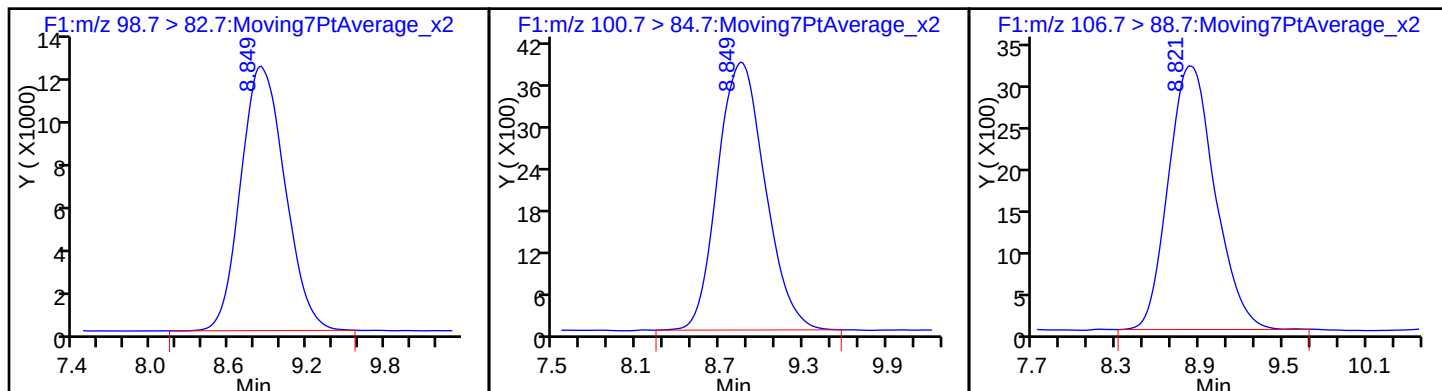
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM VI
LCMS INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 66609
SDG No.: A8091390 (200-24551)
Instrument ID: LC3062 GC Column: IC-Pak Anion ID: 4.6(mm) Heated Purge: (Y/N) N
Calibration Start Date: 12/30/2013 14:08 Calibration End Date: 12/30/2013 15:09 Calibration ID: 24947

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-66609/2	P123013CAL02.d
Level 2	IC 200-66609/3	P123013CAL03.d
Level 3	ICISAV 200-66609/4	P123013CAL04.d
Level 4	IC 200-66609/5	P123013CAL05.d
Level 5	IC 200-66609/6	P123013CAL06.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perchlorate	1.0276	1.1028	1.0239	1.0920	1.0551	Lin1	-0.001	1.0621							1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
LCMS INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-24551-1 Analy Batch No.: 66609

SDG No.: A8091390 (200-24551)

Instrument ID: LC3062 GC Column: IC-Pak Anion ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/30/2013 14:08 Calibration End Date: 12/30/2013 15:09 Calibration ID: 24947

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-66609/2	P123013CAL02.d
Level 2	IC 200-66609/3	P123013CAL03.d
Level 3	ICISAV 200-66609/4	P123013CAL04.d
Level 4	IC 200-66609/5	P123013CAL05.d
Level 5	IC 200-66609/6	P123013CAL06.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Perchlorate	18OP	Lin1	20649	59103	100717	313386	813772	0.200	0.500	1.00	3.00	10.0

Curve Type Legend:

Lin1 = Linear 1/conc ISTD

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL02.d
 Lims ID: IC Lab Sample ID:
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 30-Dec-2013 14:08:03 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0005587-002 IC
 Misc. Info.: P123013CAL
 Operator ID: WBR Instrument ID: LC3062
 Sublist: chrom-perc_LC3062*sub1
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 30-Dec-2013 16:39:06 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM
 Process Host: XAWRK032

First Level Reviewer: chirgwinb Date: 30-Dec-2013 14:52:01

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.891	8.894	-0.003	1.002	20649	0.1945			
100.7 > 84.7	8.877	8.894	-0.017	1.000	6947		2.97(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.877	9.101	-0.224		100474	1.00			
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\123013CAL02.d

Injection Date: 30-Dec-2013 14:08:03

Instrument ID: LC3062

Lims ID: IC

Lab Sample ID:

Client ID:

Operator ID: WBR

ALS Bottle#:

2

Worklist Smp#:

2

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

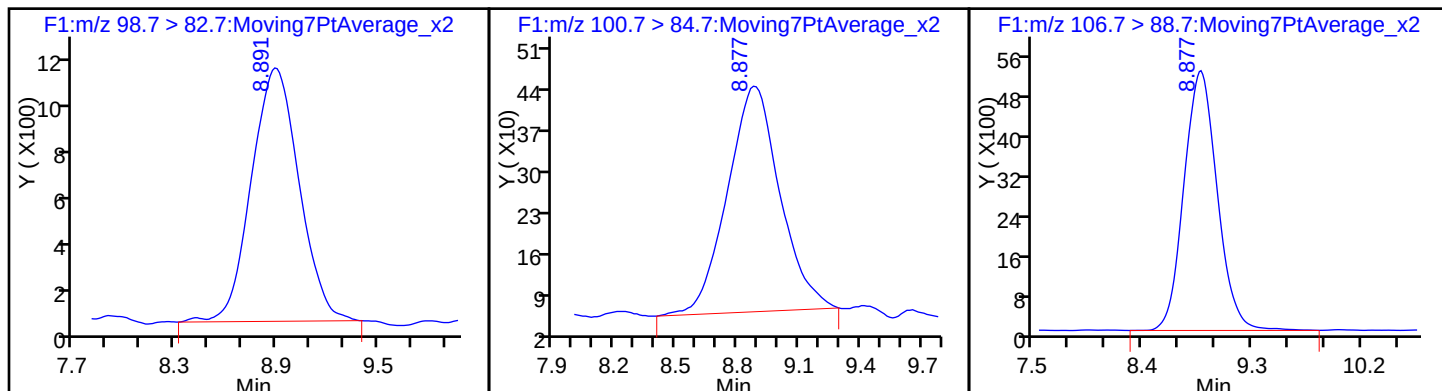
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL03.d
 Lims ID: IC Lab Sample ID:
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 30-Dec-2013 14:23:16 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0005587-003 IC
 Misc. Info.: P123013CAL
 Operator ID: WBR Instrument ID: LC3062
 Sublist: chrom-perc_LC3062*sub1
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 30-Dec-2013 16:39:07 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM
 Process Host: XAWRK032

First Level Reviewer: chirgwinb Date: 30-Dec-2013 14:52:49

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.919	8.894	0.025	1.002	59103	0.5202			
100.7 > 84.7	8.891	8.894	-0.003	0.998	19869		2.97(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.905	9.101	-0.196		107188	1.00			
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\123013CAL03.d

Injection Date: 30-Dec-2013 14:23:16

Instrument ID: LC3062

Lims ID: IC

Lab Sample ID:

Client ID:

Operator ID: WBR

ALS Bottle#: 3

Worklist Smp#: 3

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

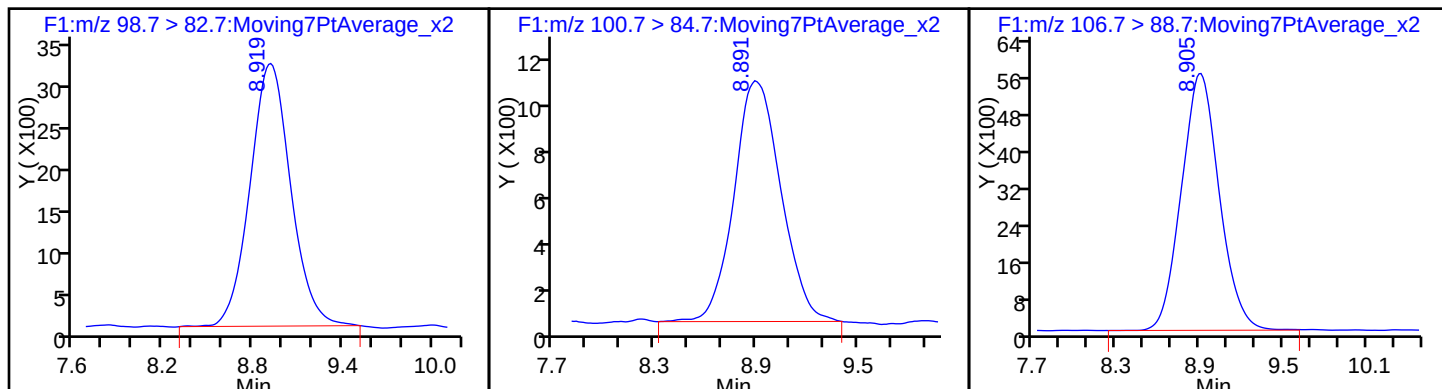
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL04.d
 Lims ID: ICISAV Lab Sample ID: ICISAV 200-66610/4-A
 Client ID:
 Sample Type: ICISAV Calib Level: 3
 Inject. Date: 30-Dec-2013 14:38:32 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0005587-004 ICISAV
 Misc. Info.: P123013CAL
 Operator ID: WBR Instrument ID: LC3062
 Sublist: chrom-perc_LC3062*sub1
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 30-Dec-2013 16:39:08 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM
 Process Host: XAWRK032

First Level Reviewer: chirgwinb Date: 30-Dec-2013 15:31:28

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.891	8.894	-0.003	1.003	100717	0.9650			
100.7 > 84.7	8.877	8.894	-0.017	1.002	36359		2.77(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.863	9.101	-0.238		98368	1.00			
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\123013CAL04.d

Injection Date: 30-Dec-2013 14:38:32

Instrument ID: LC3062

Lims ID: ICISAV

Lab Sample ID: ICISAV 200-66610/4-A

Client ID:

Operator ID: WBR

ALS Bottle#: 4

Worklist Smp#: 4

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

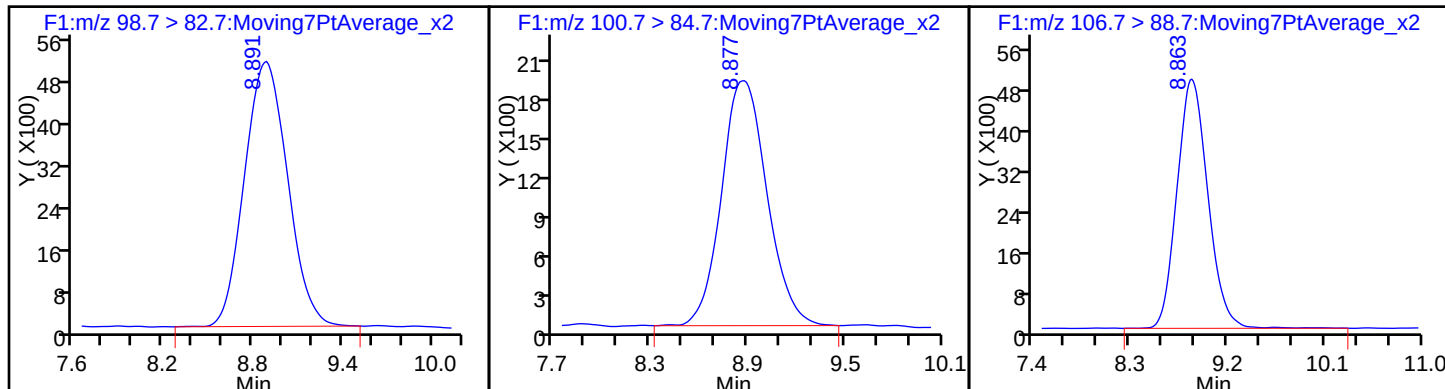
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL05.d
 Lims ID: IC Lab Sample ID:
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 30-Dec-2013 14:53:51 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0005587-005 IC
 Misc. Info.: P123013CAL
 Operator ID: WBR Instrument ID: LC3062
 Sublist: chrom-perc_LC3062*sub1
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 30-Dec-2013 16:39:09 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM
 Process Host: XAWRK032

First Level Reviewer: chirgwinb Date: 30-Dec-2013 15:33:06

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.877	8.894	-0.017	1.002	313386	3.09			
100.7 > 84.7	8.863	8.894	-0.031	1.000	109059		2.87(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.863	9.101	-0.238		95665	1.00			
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\123013CAL05.d

Injection Date: 30-Dec-2013 14:53:51

Instrument ID: LC3062

Lims ID: IC

Lab Sample ID:

Client ID:

Operator ID: WBR

ALS Bottle#: 5

Worklist Smp#: 5

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

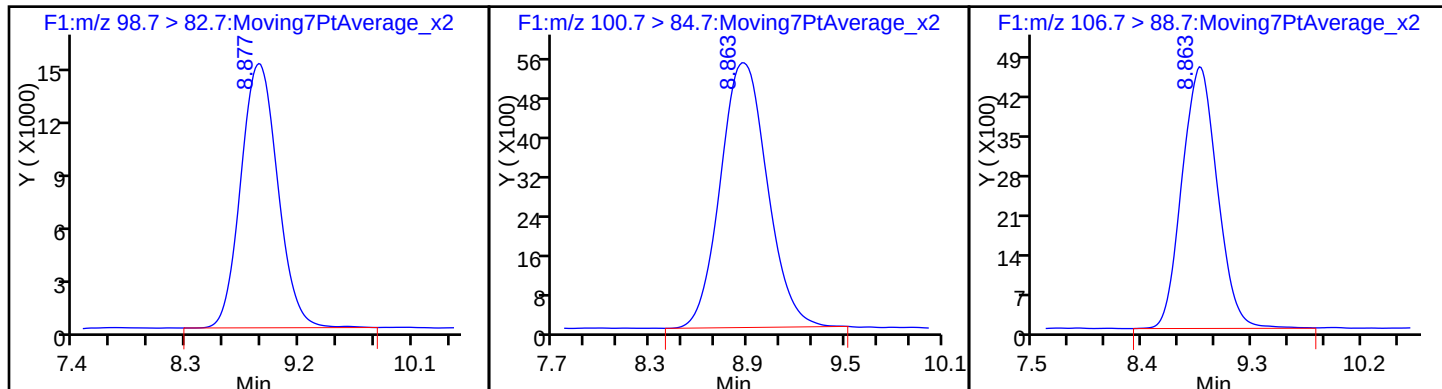
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d
 Lims ID: IC Lab Sample ID:
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 30-Dec-2013 15:09:10 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0005587-006 IC
 Misc. Info.: P123013CAL
 Operator ID: WBR Instrument ID: LC3062
 Sublist: chrom-perc_LC3062*sub1
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 30-Dec-2013 16:39:09 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM
 Process Host: XAWRK032

First Level Reviewer: chirgwinb Date: 30-Dec-2013 15:33:13

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.891	8.894	-0.003	1.003	813772	9.93			
100.7 > 84.7	8.891	8.894	-0.003	1.003	272388		2.99(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.863	9.101	-0.238		77128	1.00			
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\123013CAL06.d

Injection Date: 30-Dec-2013 15:09:10

Instrument ID: LC3062

Lims ID: IC

Lab Sample ID:

Client ID:

Operator ID: WBR

ALS Bottle#: 6

Worklist Smp#: 6

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

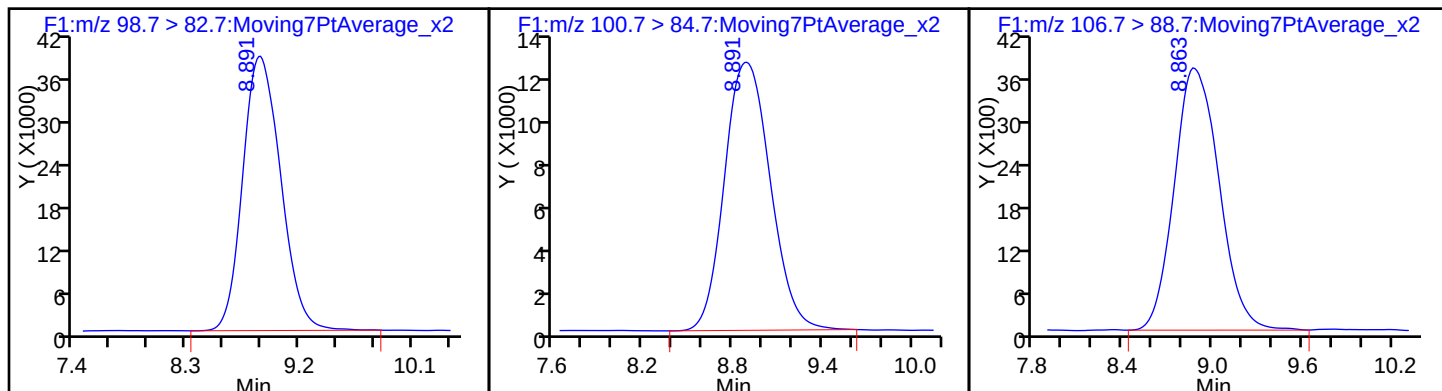
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM III
LCMS INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Matrix: Water Level: Low Lab File ID: P123013CAL07.d
Lab ID: ICV 200-66609/7 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	ICV CONCENTRATION (ug/L)	ICV % REC	QC LIMITS REC	#
Perchlorate	5.00	5.064	101	80-120	

Column to be used to flag recovery and RPD values

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL07.d
 Lims ID: ICV Lab Sample ID: ICV 200-66610/7-A
 Client ID:
 Sample Type: ICV
 Inject. Date: 30-Dec-2013 15:24:25 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0005587-007 ICV
 Misc. Info.: P123013CAL
 Operator ID: WBR Instrument ID: LC3062
 Sublist:
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 30-Dec-2013 16:39:09 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK032

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
24 Perchlorate									
98.7 > 82.7	8.891	8.894	-0.003	0.998	455384	5.06			
100.7 > 84.7	8.891	8.894	-0.003	0.998	151338		3.01(2.31-3.85)		
* 23 18-O Perchlorate									
106.7 > 88.7	8.905	9.101	-0.196		84691	1.00			

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\123013CAL07.d

Injection Date: 30-Dec-2013 15:24:25

Instrument ID: LC3062

Lims ID: ICV

Lab Sample ID: ICV 200-66610/7-A

Client ID:

Operator ID: WBR

ALS Bottle#:

7

Worklist Smp#:

7

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

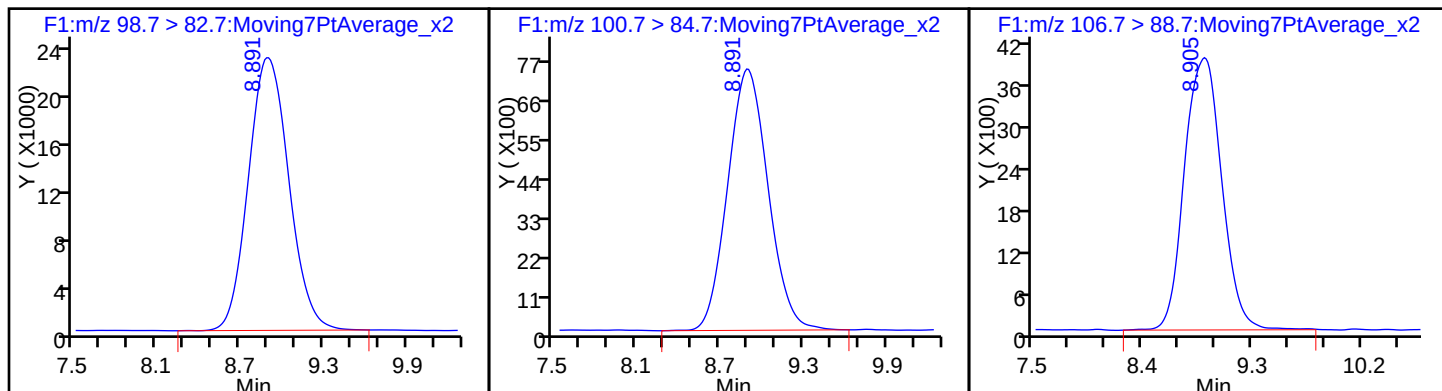
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCVIS 200-77739/2 Calibration Date: 07/29/2014 19:23
Instrument ID: LC3062 Calib Start Date: 12/30/2013 14:08
GC Column: IC-Pak AnionH/R ID: 4.60 (mm) Calib End Date: 12/30/2013 15:09
Lab File ID: P072914_331A02.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perchlorate	Lin1		1.012		0.954	1.00	-4.6	20.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\P072914_331A02.d
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 29-Jul-2014 19:23:38 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0008765-002 CCVIS
 Misc. Info.: P072914A_331
 Operator ID: CAV Instrument ID: LC3062
 Sublist: chrom-perc_LC3062*sub1
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 24-Sep-2014 16:00:46 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM
 Process Host: XAWRK008

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	9.465	8.894	0.571	1.003	94360	0.9536			
100.7 > 84.7	9.465	8.894	0.571	1.003	31754		2.97(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	9.437	9.101	0.336		93264	1.00			
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Reagents:

LCPerCL3w_00010	Amount Added: 10.00	Units: mL	
LCPerCWISi_00016	Amount Added: 50.00	Units: uL	Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\IP072914_331A02.d

Injection Date: 29-Jul-2014 19:23:38

Instrument ID: LC3062

Lims ID: CCVIS

Client ID:

Operator ID: CAV

ALS Bottle#: 2

Worklist Smp#: 2

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

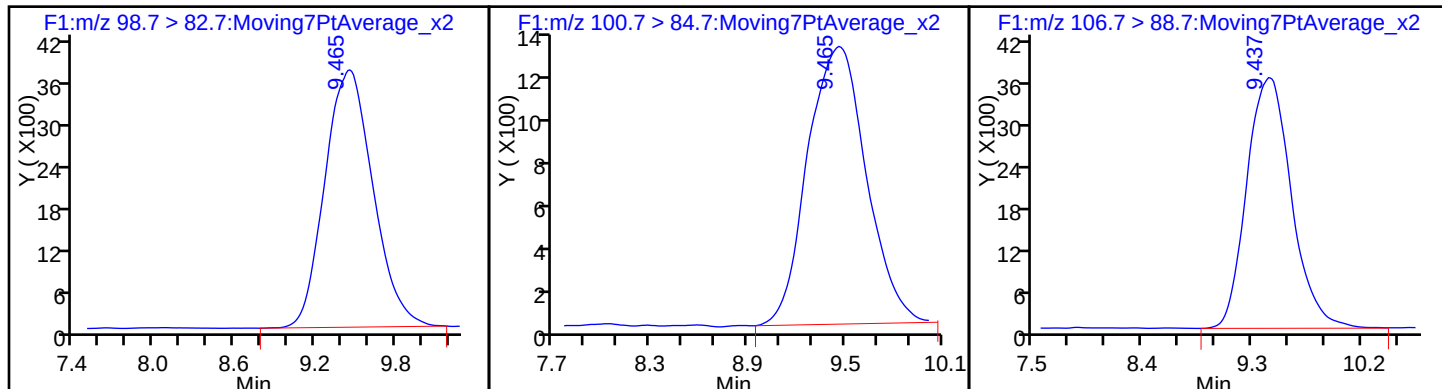
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCVL 200-77739/3 Calibration Date: 07/29/2014 19:38
Instrument ID: LC3062 Calib Start Date: 12/30/2013 14:08
GC Column: IC-Pak AnionH/R ID: 4.60 (mm) Calib End Date: 12/30/2013 15:09
Lab File ID: P072914_331A03.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perchlorate	Lin1		1.047		0.198	0.200	-0.9	50.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\P072914_331A03.d
 Lims ID: CCVL
 Client ID:
 Sample Type: CCVL
 Inject. Date: 29-Jul-2014 19:38:40 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0008765-003 CCVL
 Misc. Info.: P072914A_331
 Operator ID: CAV Instrument ID: LC3062
 Sublist: chrom-perc_LC3062*sub1
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 24-Sep-2014 16:00:46 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK008

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	9.437	8.894	0.543	1.003	23322	0.1982			
100.7 > 84.7	9.479	8.894	0.585	1.007	7596		3.07(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	9.409	9.101	0.308		111345	1.00			
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Reagents:

LCPerCL1w_00010	Amount Added: 10.00	Units: mL	
LCPerCWISi_00016	Amount Added: 50.00	Units: uL	Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\IP072914_331A03.d

Injection Date: 29-Jul-2014 19:38:40

Instrument ID: LC3062

Lims ID: CCVL

Client ID:

Operator ID: CAV

ALS Bottle#: 3

Worklist Smp#: 3

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

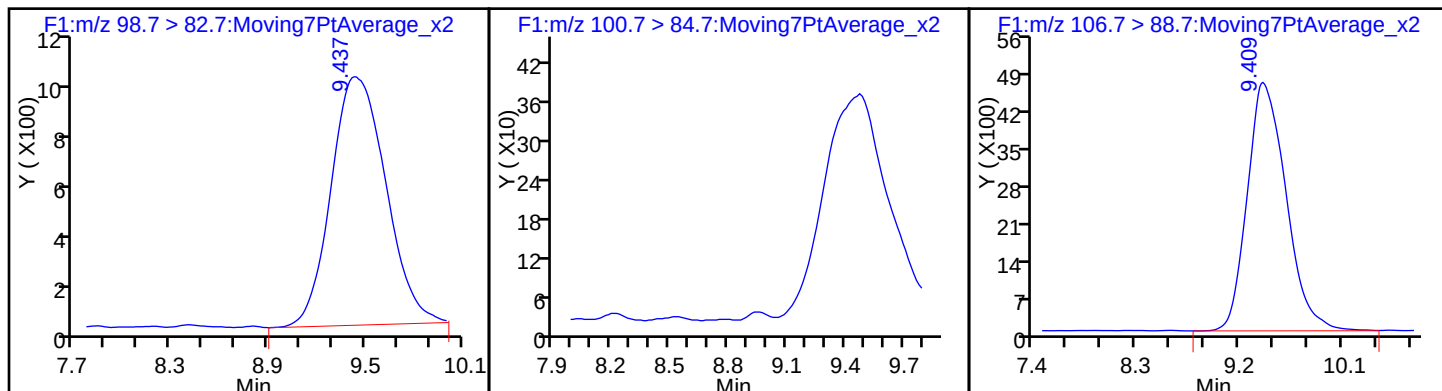
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCV 200-77739/9 Calibration Date: 07/29/2014 21:25
Instrument ID: LC3062 Calib Start Date: 12/30/2013 14:08
GC Column: IC-Pak AnionH/R ID: 4.60 (mm) Calib End Date: 12/30/2013 15:09
Lab File ID: P072914_331A10.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perchlorate	Lin1		1.030		9.70	10.0	-3.0	20.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20140924-9664.b\p072914_331A10.d
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 29-Jul-2014 21:25:41 ALS Bottle#: 10 Worklist Smp#: 9
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0008765-010 CCV
 Misc. Info.: P072914A_331
 Operator ID: CAV Instrument ID: LC3062
 Sublist: chrom-perc_LC3062*sub1
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20140924-9664.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 24-Sep-2014 16:00:48 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\p123013CAL06.d

Column 1 : Det: F1:MRM
 Process Host: XAWRK008

First Level Reviewer: vuonoc Date: 24-Sep-2014 16:00:33

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	9.437	8.894	0.543	1.000	897593	9.70			
100.7 > 84.7	9.423	8.894	0.529	0.999	311050		2.89(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	9.437	9.101	0.336		87152	1.00			
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Reagents:

LCPerCL5w_00011	Amount Added: 10.00	Units: mL	
LCPerCWISi_00016	Amount Added: 50.00	Units: uL	Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\IP072914_331A10.d

Injection Date: 29-Jul-2014 21:25:41

Instrument ID: LC3062

Lims ID: CCV

Client ID:

Operator ID: CAV

ALS Bottle#: 10

Worklist Smp#: 9

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

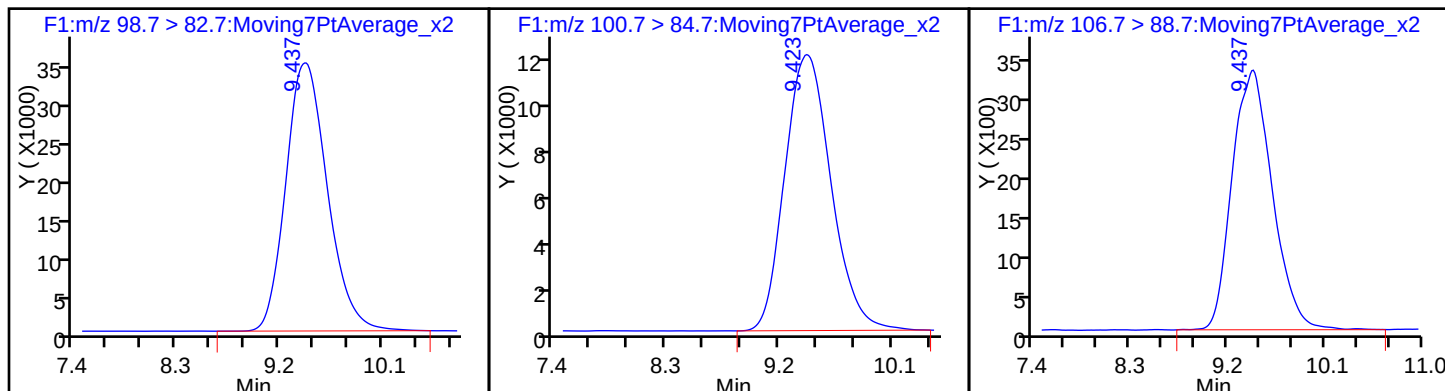
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCVIS 200-78314/2 Calibration Date: 10/07/2014 12:08
Instrument ID: LC3062 Calib Start Date: 12/30/2013 14:08
GC Column: IC-Pak AnionH/R ID: 4.60 (mm) Calib End Date: 12/30/2013 15:09
Lab File ID: P100714A331_02.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perchlorate	Lin1		0.9868		0.930	1.00	-7.0	20.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\P100714A331_02.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Oct-2014 12:08:46 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 100.0 ul Dil. Factor: 1.0000
Sample Info: 200-0009879-002 CCVIS
Misc. Info.: P100714A_331
Operator ID: CAV Instrument ID: LC3062
Sublist: chrom-perc_LC3062*sub1
Raw Data: Smoothed
Method: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\perc_LC3062.m
Limit Group: LC_331.0_Limits
Last Update: 08-Oct-2014 08:38:09 Calib Date: 30-Dec-2013 15:09:10
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.667	8.894	-0.227	1.000	53002	0.9301			
100.7 > 84.7	8.681	8.894	-0.213	1.002	17555		3.02(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.667	9.101	-0.434		53710	1.00			
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Reagents:

LCPerCL3w_00011	Amount Added: 10.00	Units: mL	
LCPerCWISi_00018	Amount Added: 50.00	Units: uL	Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\IP100714A331_02.d

Injection Date: 07-Oct-2014 12:08:46

Instrument ID: LC3062

Lims ID: CCVIS

Client ID:

Operator ID: CAV

ALS Bottle#: 2

Worklist Smp#: 2

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

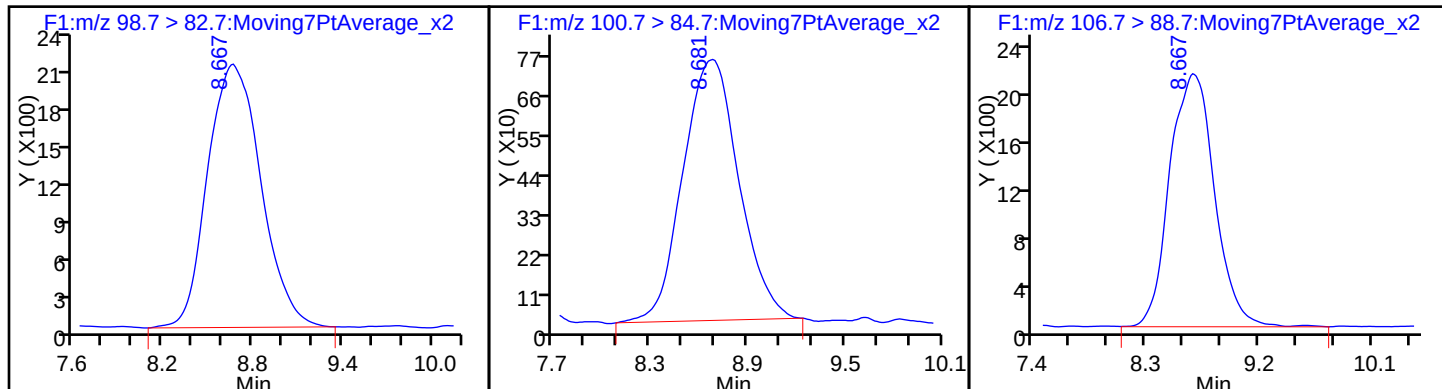
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCVL 200-78314/3 Calibration Date: 10/07/2014 12:24
Instrument ID: LC3062 Calib Start Date: 12/30/2013 14:08
GC Column: IC-Pak AnionH/R ID: 4.60 (mm) Calib End Date: 12/30/2013 15:09
Lab File ID: P100714A331_03.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perchlorate	Lin1		0.9856		0.187	0.200	-6.7	50.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20141007-9879.b\P100714A331_03.d
 Lims ID: CCVL
 Client ID:
 Sample Type: CCVL
 Inject. Date: 07-Oct-2014 12:24:19 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009879-003 CCVL
 Misc. Info.: P100714A_331
 Operator ID: CAV Instrument ID: LC3062
 Sublist: chrom-perc_LC3062*sub1
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20141007-9879.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 08:38:09 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d
 Column 1 : Det: F1:MRM
 Process Host: XAWRK033

First Level Reviewer: vuonoc

Date: 07-Oct-2014 12:46:08

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.681	8.894	-0.213	1.000	12860	0.1866			
100.7 > 84.7	8.709	8.894	-0.185	1.003	4529		2.84(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.681	9.101	-0.420		65243	1.00			
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Reagents:

LCPerCL1w_00010	Amount Added: 10.00	Units: mL	
LCPerCWISi_00018	Amount Added: 50.00	Units: uL	Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\IP100714A331_03.d

Injection Date: 07-Oct-2014 12:24:19

Instrument ID: LC3062

Lims ID: CCVL

Client ID:

Operator ID: CAV

ALS Bottle#: 3

Worklist Smp#: 3

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

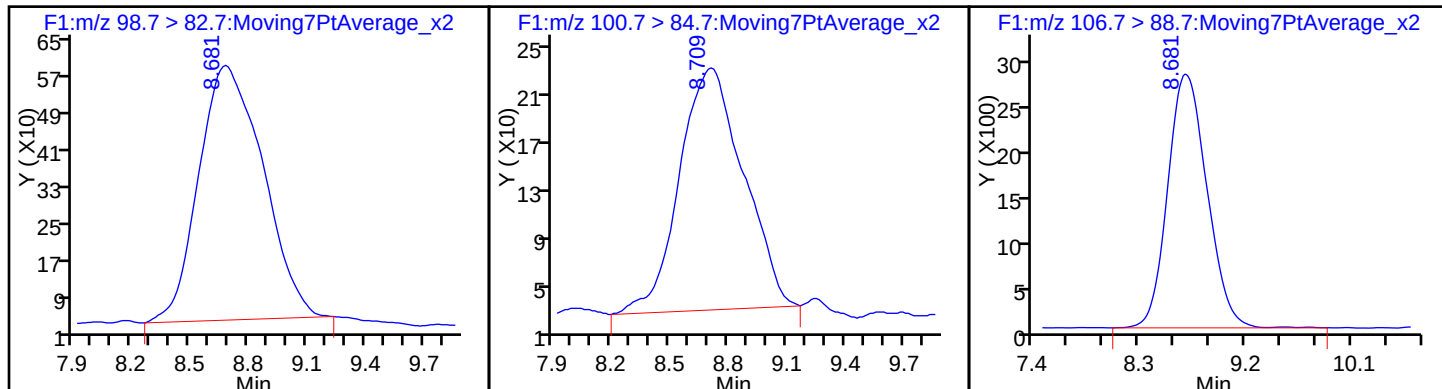
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCV 200-78314/14 Calibration Date: 10/07/2014 15:12
Instrument ID: LC3062 Calib Start Date: 12/30/2013 14:08
GC Column: IC-Pak AnionH/R ID: 4.60 (mm) Calib End Date: 12/30/2013 15:09
Lab File ID: P100714A331_14.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perchlorate	Lin1		0.9878		9.30	10.0	-7.0	20.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\P100714A331_14.d
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 07-Oct-2014 15:12:21 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009879-014 CCV
 Misc. Info.: P100714A_331
 Operator ID: CAV Instrument ID: LC3062
 Sublist: chrom-perc_LC3062*sub1
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 08:38:12 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.737	8.894	-0.157	1.002	650588	9.30			
100.7 > 84.7	8.737	8.894	-0.157	1.002	218264		2.98(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.723	9.101	-0.378		65863	1.00			
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Reagents:

LCPerCL5w_00012	Amount Added: 10.00	Units: mL	
LCPerCWISi_00018	Amount Added: 50.00	Units: uL	Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\IP100714A331_14.d

Injection Date: 07-Oct-2014 15:12:21

Instrument ID: LC3062

Lims ID: CCV

Client ID:

Operator ID: CAV

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

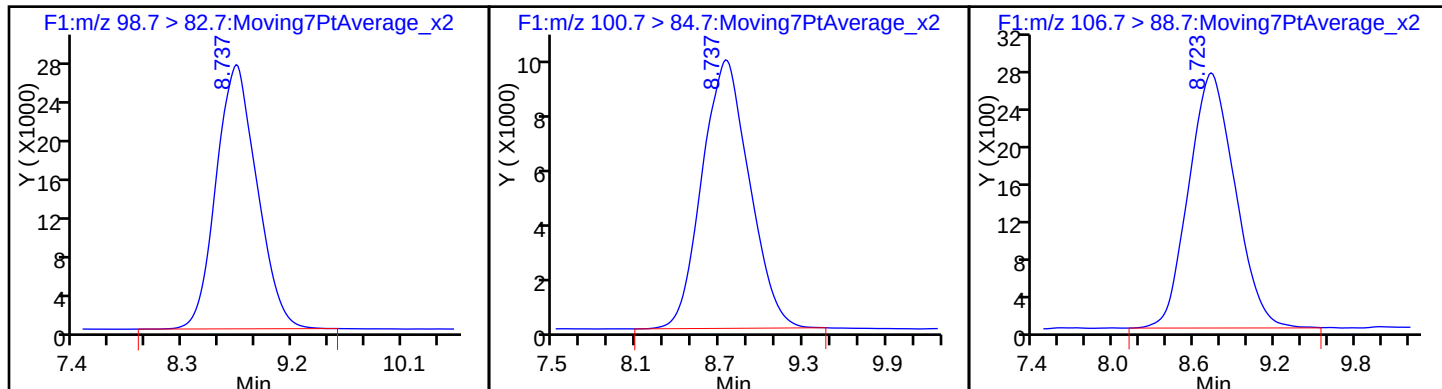
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCVIS 200-78386/2 Calibration Date: 10/08/2014 11:49
Instrument ID: LC3062 Calib Start Date: 12/30/2013 14:08
GC Column: IC-Pak AnionH/R ID: 4.60 (mm) Calib End Date: 12/30/2013 15:09
Lab File ID: P100814A331_02.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perchlorate	Lin1		0.9651		0.910	1.00	-9.0	20.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\p100814A331_02.d
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 08-Oct-2014 11:49:17 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009905-002 CCVIS
 Misc. Info.: P100814A_331
 Operator ID: CAV Instrument ID: LC3062
 Sublist: chrom-perc_LC3062*sub1
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 14:45:15 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\p123013CAL06.d
 Column 1 : Det: F1:MRM
 Process Host: XAWRK033

First Level Reviewer: vuonoc

Date: 08-Oct-2014 12:08:18

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.989	8.894	0.095	1.002	64939	0.9097			
100.7 > 84.7	8.989	8.894	0.095	1.002	21680		3.00(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.975	9.101	-0.126		67286	1.00			
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Reagents:

LCPerCL3w_00011	Amount Added: 10.00	Units: mL	
LCPerCWISi_00018	Amount Added: 50.00	Units: uL	Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\IP100814A331_02.d

Injection Date: 08-Oct-2014 11:49:17

Instrument ID: LC3062

Lims ID: CCVIS

Client ID:

Operator ID: CAV

ALS Bottle#: 2

Worklist Smp#: 2

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

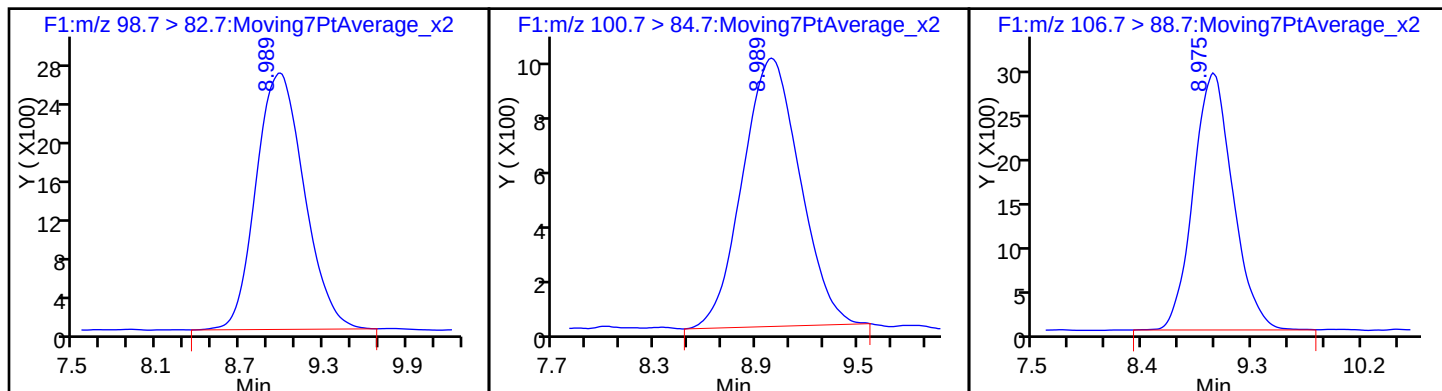
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCVL 200-78386/3 Calibration Date: 10/08/2014 12:04
Instrument ID: LC3062 Calib Start Date: 12/30/2013 14:08
GC Column: IC-Pak AnionH/R ID: 4.60 (mm) Calib End Date: 12/30/2013 15:09
Lab File ID: P100814A331_03.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perchlorate	Lin1		0.996		0.189	0.200	-5.7	50.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\p100814A331_03.d
 Lims ID: CCVL
 Client ID:
 Sample Type: CCVL
 Inject. Date: 08-Oct-2014 12:04:35 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009905-003 CCVL
 Misc. Info.: P100814A_331
 Operator ID: CAV Instrument ID: LC3062
 Sublist: chrom-perc_LC3062*sub1
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 14:45:15 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\p123013CAL06.d
 Column 1 : Det: F1:MRM
 Process Host: XAWRK033

First Level Reviewer: vuonoc

Date: 08-Oct-2014 12:31:43

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.961	8.894	0.067	0.995	14831	0.1885			
100.7 > 84.7	8.947	8.894	0.053	0.994	4299		3.45(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	9.003	9.101	-0.098		74485	1.00			
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Reagents:

LCPercL1w_00010	Amount Added: 10.00	Units: mL	
LCPercWISi_00018	Amount Added: 50.00	Units: uL	Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\IP100814A331_03.d

Injection Date: 08-Oct-2014 12:04:35

Instrument ID: LC3062

Lims ID: CCVL

Client ID:

Operator ID: CAV

ALS Bottle#: 3

Worklist Smp#: 3

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

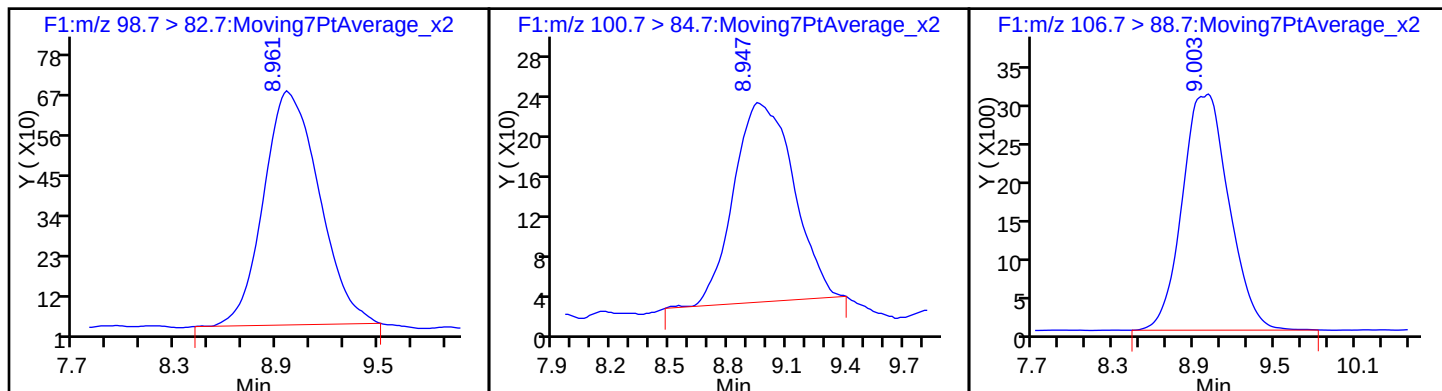
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Lab Sample ID: CCV 200-78386/12 Calibration Date: 10/08/2014 14:22
Instrument ID: LC3062 Calib Start Date: 12/30/2013 14:08
GC Column: IC-Pak AnionH/R ID: 4.60 (mm) Calib End Date: 12/30/2013 15:09
Lab File ID: P100814A331_12.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perchlorate	Lin1		0.9822		9.25	10.0	-7.5	20.0

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\P100814A331_12.d
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 08-Oct-2014 14:22:21 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009905-012 CCV
 Misc. Info.: P100814A_331
 Operator ID: CAV Instrument ID: LC3062
 Sublist: chrom-perc_LC3062*sub1
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 14:45:18 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d
 Column 1 : Det: F1:MRM
 Process Host: XAWRK033

First Level Reviewer: vuonoc

Date: 08-Oct-2014 14:44:53

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.891	8.894	-0.003	1.005	613812	9.25			
100.7 > 84.7	8.863	8.894	-0.031	1.002	209329		2.93(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.849	9.101	-0.252		62492	1.00			
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Reagents:

LCPercL5w_00012	Amount Added: 10.00	Units: mL	
LCPercWISi_00018	Amount Added: 50.00	Units: uL	Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\IP100814A331_12.d

Injection Date: 08-Oct-2014 14:22:21

Instrument ID: LC3062

Lims ID: CCV

Client ID:

Operator ID: CAV

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

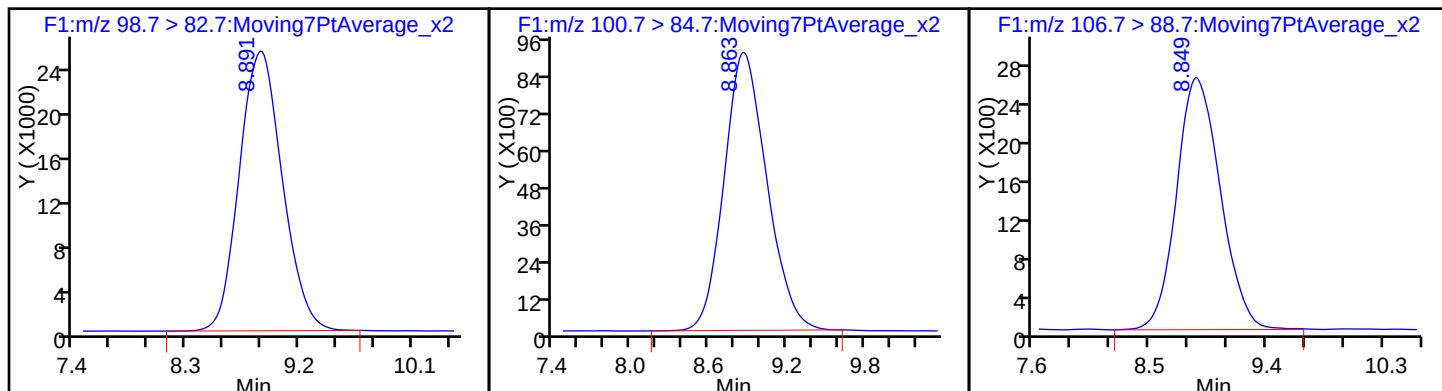
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: MB 200-78314/4
Matrix: Water Lab File ID: P100714A331_04.d
Analysis Method: 331.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/07/2014 12:39
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78314 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	0.20	U	0.20	0.017

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20141007-9879.b\p100714A331_04.d
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 07-Oct-2014 12:39:25 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009879-004 MB
 Misc. Info.: P100714A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20141007-9879.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 08:38:09 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\p123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7 8.894 ND

100.7 > 84.7 8.894

* 23 18-O Perchlorate

106.7 > 88.7 8.723 9.101 -0.378 66564 1.00

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

LCPerCWISi_00018 Amount Added: 50.00 Units: uL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\IP100714A331_04.d

Injection Date: 07-Oct-2014 12:39:25

Instrument ID: LC3062

Lims ID: MB

Client ID:

Operator ID: CAV

ALS Bottle#: 4

Worklist Smp#: 4

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

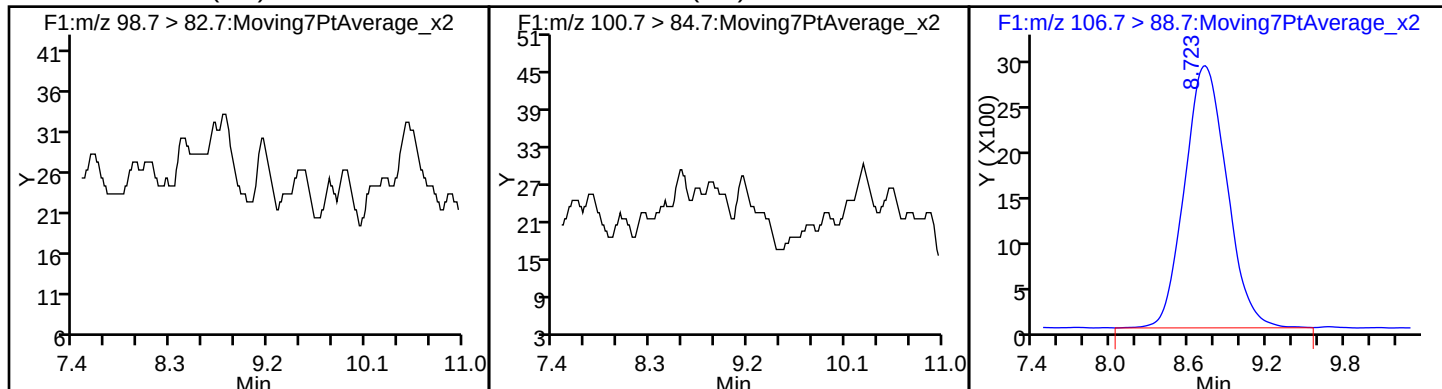
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate (ND)

24 Perchlorate (ND)

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: MB 200-78386/4
Matrix: Water Lab File ID: P100814A331_04.d
Analysis Method: 331.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/08/2014 12:19
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78386 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	0.20	U	0.20	0.017

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\p100814A331_04.d
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 08-Oct-2014 12:19:57 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009905-004 MB
 Misc. Info.: P100814A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 14:45:15 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\p123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7 8.894 ND

100.7 > 84.7 8.894

* 23 18-O Perchlorate

106.7 > 88.7 8.877 9.101 -0.224 76350 1.00

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

LCPercWISi_00018 Amount Added: 50.00 Units: uL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\IP100814A331_04.d

Injection Date: 08-Oct-2014 12:19:57

Instrument ID: LC3062

Lims ID: MB

Client ID:

Operator ID: CAV

ALS Bottle#: 4

Worklist Smp#: 4

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

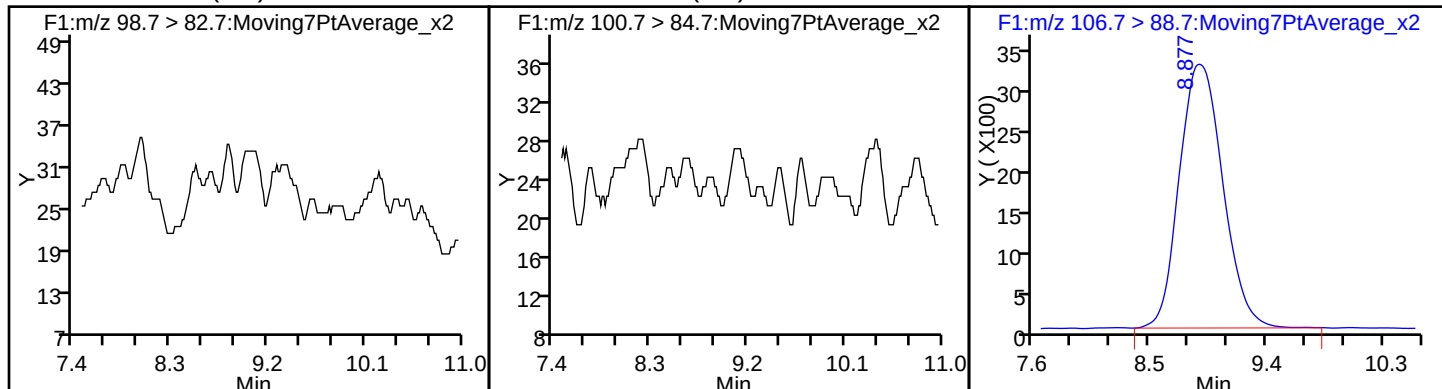
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate (ND)

24 Perchlorate (ND)

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: ICB 200-77739/1
Matrix: Water Lab File ID: P072914_331A01.d
Analysis Method: 331.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 07/29/2014 19:10
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 77739 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	0.20	U	0.20	0.017

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\p072914_331A01.d
 Lims ID: ICB
 Client ID:
 Sample Type: ICB
 Inject. Date: 29-Jul-2014 19:10:29 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0008765-001 ICB
 Misc. Info.: P072914A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 24-Sep-2014 16:00:33 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\p123013CAL06.d
 Column 1 : Det: F1:MRM
 Process Host: XAWRK008

First Level Reviewer: vuonoc

Date: 24-Sep-2014 15:58:20

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.894					ND
100.7 > 84.7	8.894					

* 23 18-O Perchlorate

106.7 > 88.7	9.409	9.101	0.308	101213	1.00
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QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

LCPerCWISi_00016	Amount Added: 50.00	Units: uL	Run Reagent
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TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\IP072914_331A01.d

Injection Date: 29-Jul-2014 19:10:29

Instrument ID: LC3062

Lims ID: ICB

Client ID:

Operator ID: CAV

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

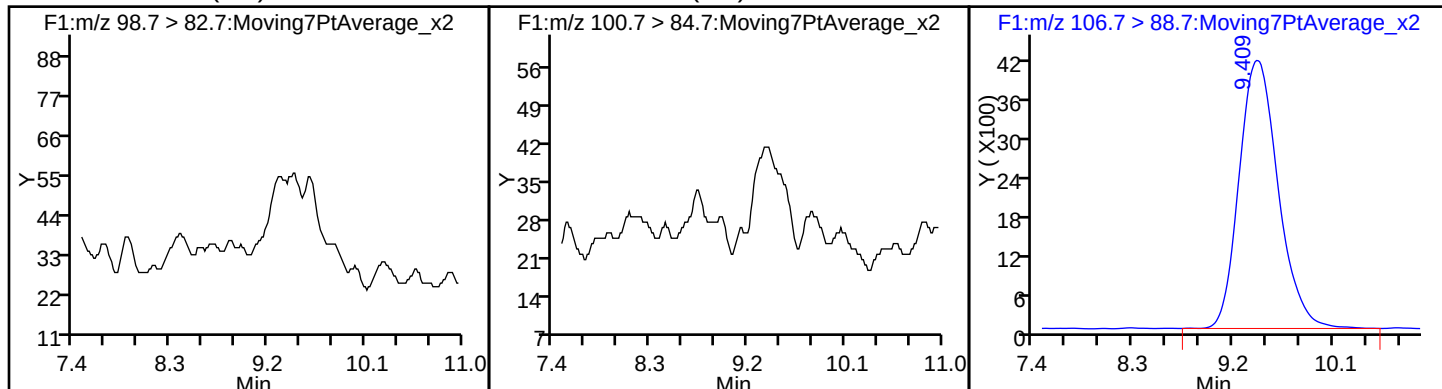
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate (ND)

24 Perchlorate (ND)

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: ICB 200-78314/1
Matrix: Water Lab File ID: P100714A331_01.d
Analysis Method: 331.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/07/2014 11:53
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78314 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	0.20	U	0.20	0.017

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20141007-9879.b\p100714A331_01.d
 Lims ID: ICB
 Client ID:
 Sample Type: ICB
 Inject. Date: 07-Oct-2014 11:53:34 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009879-001 ICB
 Misc. Info.: P100714A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20141007-9879.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 08:37:54 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\p123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate
 98.7 > 82.7 8.894 ND
 100.7 > 84.7 8.894
 * 23 18-O Perchlorate
 106.7 > 88.7 8.709 9.101 -0.392 51022 1.00

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

LCPerCWISi_00018 Amount Added: 50.00 Units: uL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\100714A331_01.d

Injection Date: 07-Oct-2014 11:53:34

Instrument ID: LC3062

Lims ID: ICB

Client ID:

Operator ID: CAV

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

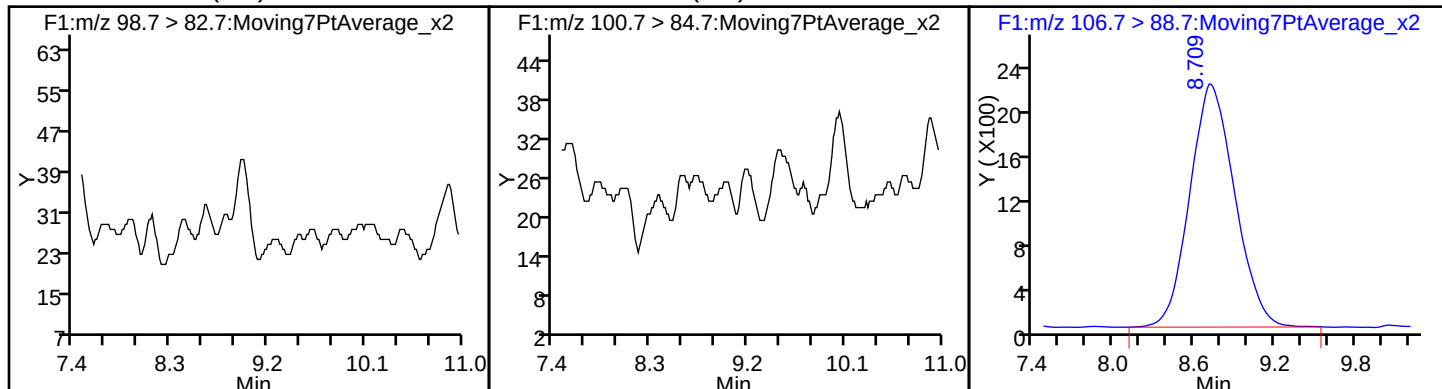
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate (ND)

24 Perchlorate (ND)

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: ICB 200-78386/1
Matrix: Water Lab File ID: P100814A331_01.d
Analysis Method: 331.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/08/2014 11:36
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78386 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	0.20	U	0.20	0.017

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\p100814A331_01.d
 Lims ID: ICB
 Client ID:
 Sample Type: ICB
 Inject. Date: 08-Oct-2014 11:36:36 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009905-001 ICB
 Misc. Info.: P100814A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 14:44:53 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\p123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7 8.894 ND

100.7 > 84.7 8.894

* 23 18-O Perchlorate

106.7 > 88.7 9.031 9.101 -0.070 68556 1.00

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

LCPerCWISi_00018 Amount Added: 50.00 Units: uL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\100814A331_01.d

Injection Date: 08-Oct-2014 11:36:36

Instrument ID: LC3062

Lims ID: ICB

Client ID:

Operator ID: CAV

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

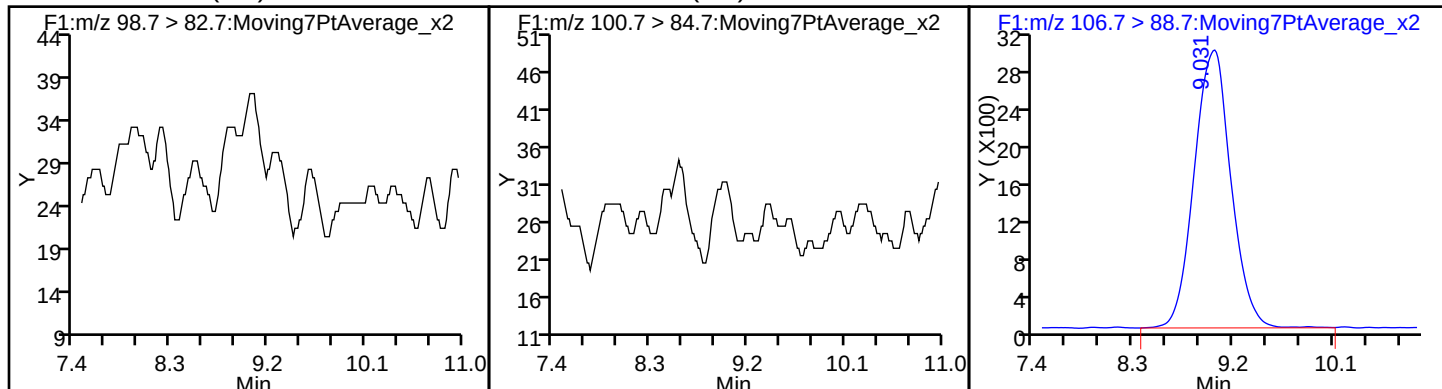
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate (ND)

24 Perchlorate (ND)

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: LSSMB 200-77739/4
Matrix: Water Lab File ID: P072914_331A04.d
Analysis Method: 331.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 07/29/2014 19:53
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 77739 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	0.20	U	0.20	0.017

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20140924-9664.b\p072914_331A04.d
 Lims ID: LSSMB
 Client ID:
 Sample Type: LSSMB
 Inject. Date: 29-Jul-2014 19:53:56 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0008765-004 LSSMB
 Misc. Info.: P072914A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20140924-9664.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 24-Sep-2014 16:00:46 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\p123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK008

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7 8.894 ND

100.7 > 84.7 8.894

* 23 18-O Perchlorate

106.7 > 88.7 9.031 9.101 -0.070 102327 1.00

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

LCPercWISi_00016 Amount Added: 50.00 Units: uL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\IP072914_331A04.d

Injection Date: 29-Jul-2014 19:53:56

Instrument ID: LC3062

Lims ID: LSSMB

Client ID:

Operator ID: CAV

ALS Bottle#: 4

Worklist Smp#: 4

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

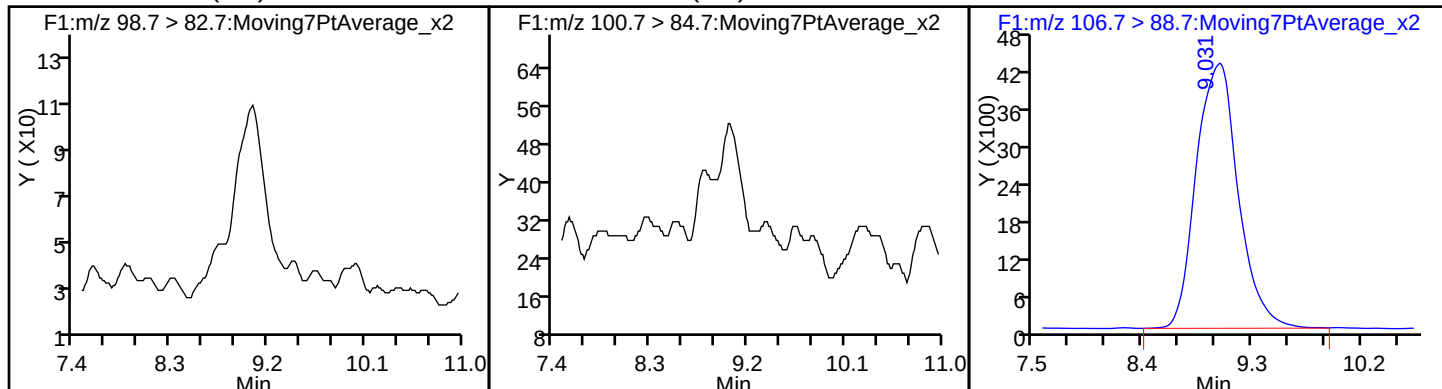
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate (ND)

24 Perchlorate (ND)

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: LCS 200-78314/5
Matrix: Water Lab File ID: P100714A331_05.d
Analysis Method: 331.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/07/2014 12:54
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78314 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	0.181	J	0.20	0.017

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\100714A331_05.d
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 07-Oct-2014 12:54:40 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009879-005 LCS
 Misc. Info.: P100714A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 08:38:09 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\123013CAL06.d
 Column 1 : Det: F1:MRM
 Process Host: XAWRK033

First Level Reviewer: vuonoc

Date: 07-Oct-2014 13:33:48

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
24 Perchlorate									M
98.7 > 82.7	8.709	8.894	-0.185	1.000	12249	0.1808			
100.7 > 84.7	8.653	8.894	-0.241	0.994	4423		2.77(2.31-3.85)		M
* 23 18-O Perchlorate									
106.7 > 88.7	8.709	9.101	-0.392		64165	1.00			

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

LCPerCWatMSi_00012 Amount Added: 8.00 Units: uL
 LCPerCWISi_00018 Amount Added: 50.00 Units: uL Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\IP100714A331_05.d

Injection Date: 07-Oct-2014 12:54:40

Instrument ID: LC3062

Lims ID: LCS

Client ID:

Operator ID: CAV

ALS Bottle#:

5

Worklist Smp#:

5

Injection Vol: 100.0 ul

Dil. Factor:

1.0000

Method: perc_LC3062

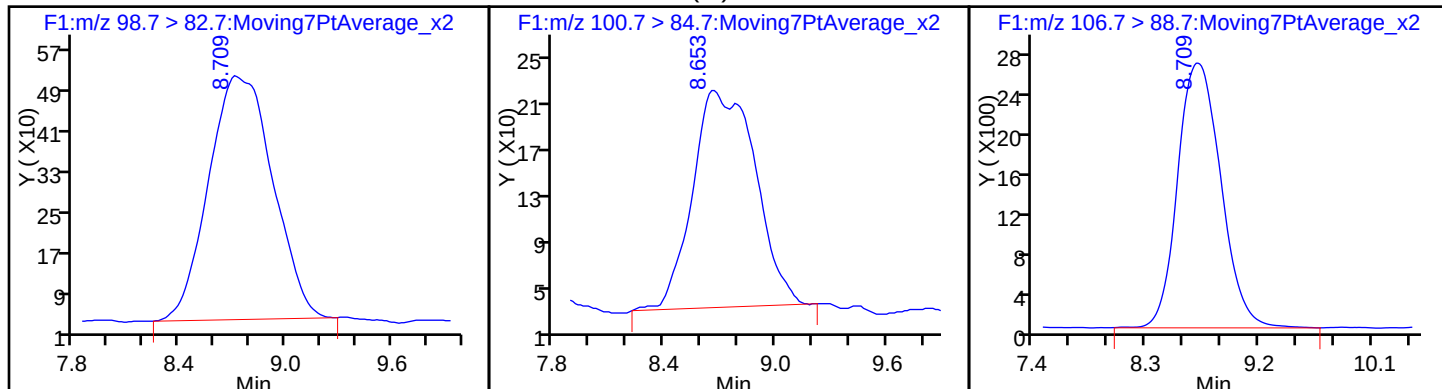
Limit Group:

LC_331.0_Limits

24 Perchlorate

24 Perchlorate (M)

* 23 18-O Perchlorate



TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141007-9879.b\P100714A331_05.d

Injection Date: 07-Oct-2014 12:54:40

Instrument ID: LC3062

Lims ID: LCS

Client ID:

Operator ID: CAV

ALS Bottle#:

5

Worklist Smp#: 5

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

Method: perc_LC3062

Limit Group: LC_331.0_Limits

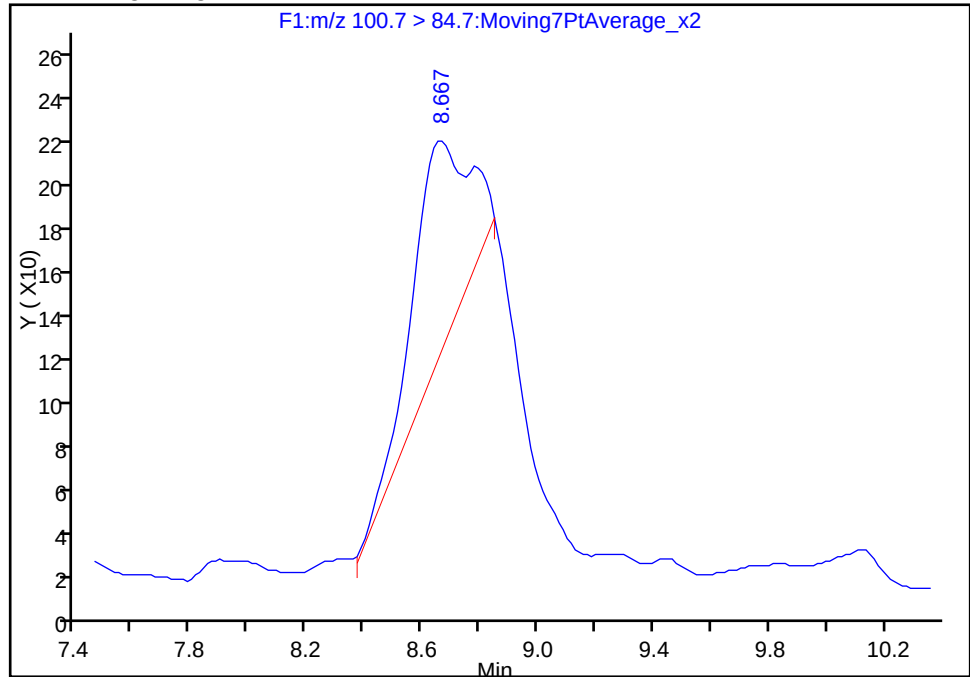
Column:

Detector F1:MRM

24 Perchlorate, CAS: 14797-73-0

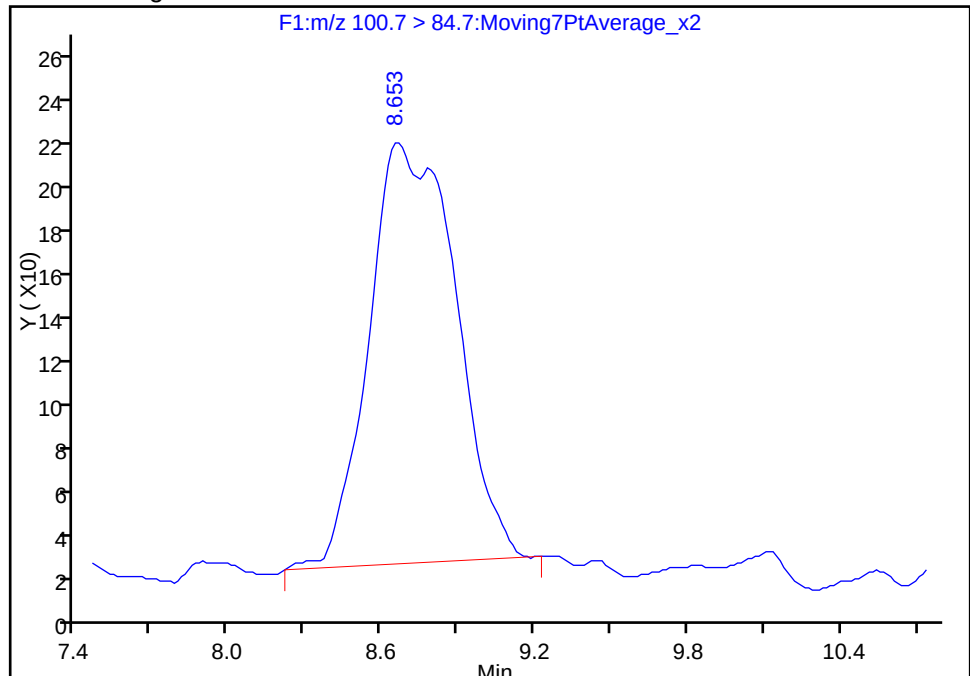
RT: 8.67
Response: 1257
Amount: 0.180770

Processing Integration Results



RT: 8.65
Response: 4423
Amount: 0.180770

Manual Integration Results



Reviewer: vuonoc, 07-Oct-2014 13:33:48

Audit Action: Manually Integrated

Audit Reason: Peak not found by the data system

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: LCS 200-78386/5
Matrix: Water Lab File ID: P100814A331_05.d
Analysis Method: 331.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/08/2014 12:35
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78386 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	4.532		0.20	0.017

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\P100814A331_05.d
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 08-Oct-2014 12:35:11 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0009905-005 LCS
 Misc. Info.: P100814A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 14:45:15 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.961	8.894	0.067	1.002	311033	4.53			
100.7 > 84.7	8.947	8.894	0.053	1.000	107031		2.91(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.947	9.101	-0.154		64633	1.00			
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Reagents:

LCPercSoilMSi_00011	Amount Added: 20.00	Units: uL	
LCPercWISi_00018	Amount Added: 50.00	Units: uL	Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\IP100814A331_05.d

Injection Date: 08-Oct-2014 12:35:11

Instrument ID: LC3062

Lims ID: LCS

Client ID:

Operator ID: CAV

ALS Bottle#: 5

Worklist Smp#: 5

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

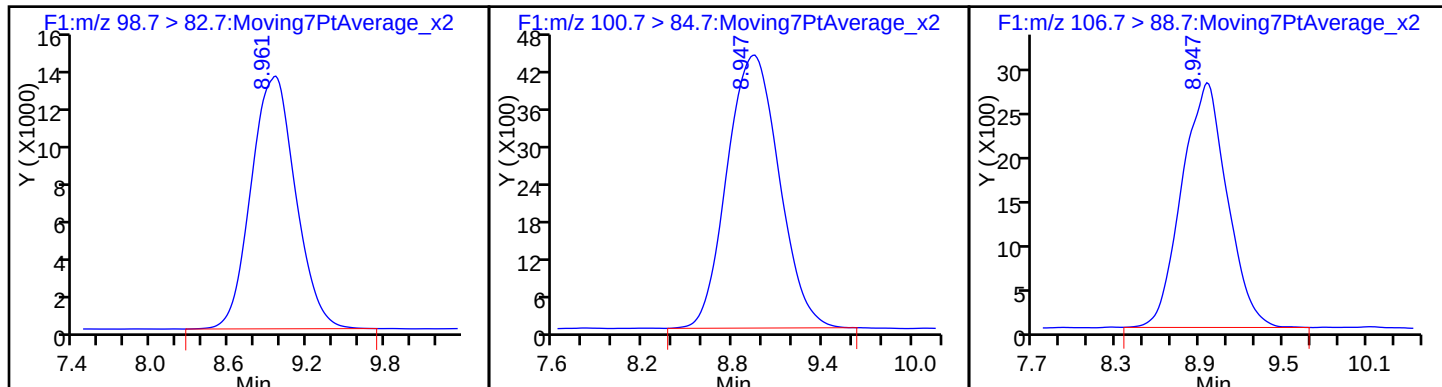
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: _____ Lab Sample ID: INF 200-77739/8
Matrix: Water Lab File ID: P072914_331A09.d
Analysis Method: 331.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 07/29/2014 21:10
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 77739 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	0.929		0.20	0.017

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\p072914_331A09.d
 Lims ID: INF
 Client ID:
 Sample Type: INF
 Inject. Date: 29-Jul-2014 21:10:59 ALS Bottle#: 9 Worklist Smp#: 8
 Injection Vol: 100.0 ul Dil. Factor: 1.0000
 Sample Info: 200-0008765-009 INF
 Misc. Info.: P072914A_331
 Operator ID: CAV Instrument ID: LC3062
 Sublist:
 Raw Data: Smoothed
 Method: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 24-Sep-2014 16:00:46 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTV-LIMS1\ChromData\LC3062\20131230-5587.b\p123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK008

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	9.017	8.894	0.123	1.005	94726	0.9292			
100.7 > 84.7	9.003	8.894	0.109	1.003	32699		2.90(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.975	9.101	-0.126		96090	1.00			
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Reagents:

LCPercSoilMSi_00011	Amount Added: 4.00	Units: uL	
LCPercWISi_00016	Amount Added: 50.00	Units: uL	Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20140924-9664.b\IP072914_331A09.d

Injection Date: 29-Jul-2014 21:10:59

Instrument ID: LC3062

Lims ID: INF

Client ID:

Operator ID: CAV

ALS Bottle#: 9

Worklist Smp#: 8

Injection Vol: 100.0 ul

Dil. Factor: 1.0000

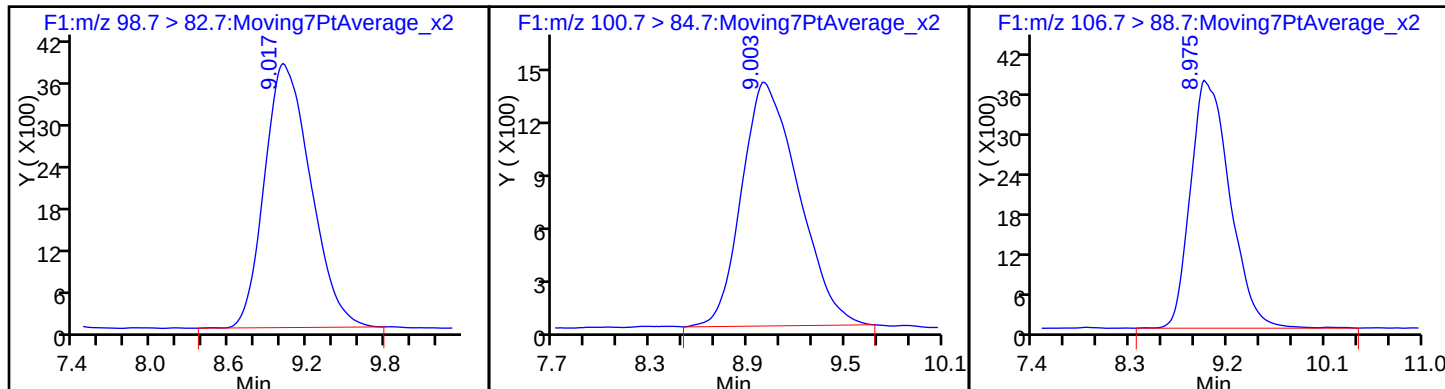
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-52 MS Lab Sample ID: 200-24551-10 MS
Matrix: Water Lab File ID: P100814A331_10.d
Analysis Method: 331.0 Date Collected: 10/01/2014 09:54
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/08/2014 13:51
Con. Extract Vol.: _____ Dilution Factor: 2
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78386 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	19.71		0.40	0.034

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\P100814A331_10.d
Lims ID: 200-24551-H-10 MS
Client ID: PW-52
Sample Type: MS
Inject. Date: 08-Oct-2014 13:51:41 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 100.0 ul Dil. Factor: 2.0000
Sample Info: 200-0009905-010 200-24551-H-10 MS
Misc. Info.: P100814A_331
Operator ID: CAV Instrument ID: LC3062
Raw Data: Smoothed
Method: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\perc_LC3062.m
Limit Group: LC_331.0_Limits
Last Update: 08-Oct-2014 14:45:15 Calib Date: 30-Dec-2013 15:09:10
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	9.003	8.894	0.109	1.013	574713	9.85			
100.7 > 84.7	9.003	8.894	0.109	1.013	193979		2.96(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.891	9.101	-0.210		54924	1.00			
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Reagents:

LCPercSoilMSi_00011	Amount Added: 20.00	Units: uL	
LCPercWISi_00018	Amount Added: 50.00	Units: uL	Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\IP100814A331_10.d

Injection Date: 08-Oct-2014 13:51:41

Instrument ID: LC3062

Lims ID: 200-24551-H-10 MS

Client ID: PW-52

Operator ID: CAV

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 100.0 ul

Dil. Factor: 2.0000

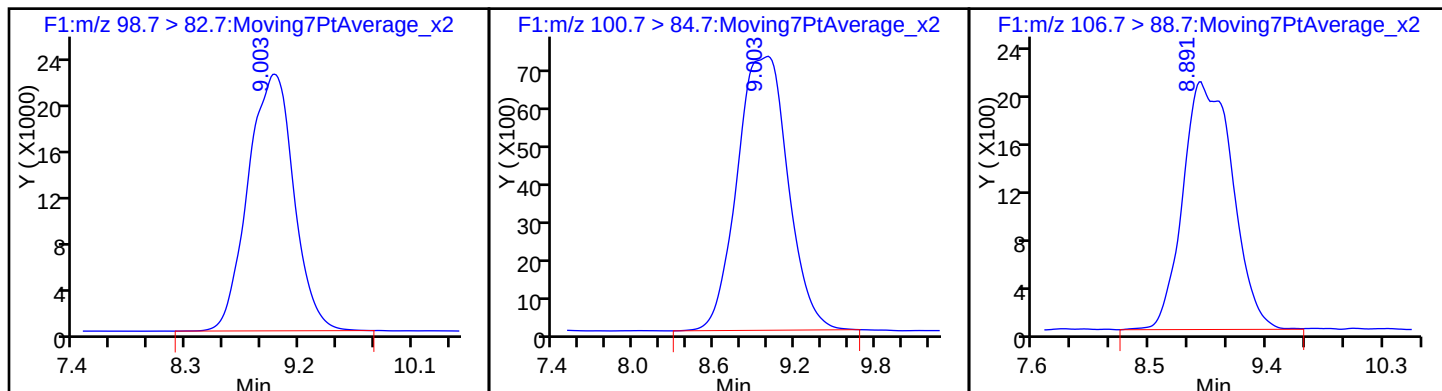
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Client Sample ID: PW-52 MSD Lab Sample ID: 200-24551-10 MSD
Matrix: Water Lab File ID: P100814A331_11.d
Analysis Method: 331.0 Date Collected: 10/01/2014 09:54
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 10 (mL) Date Analyzed: 10/08/2014 14:06
Con. Extract Vol.: _____ Dilution Factor: 2
Injection Volume: 100 (uL) GC Column: IC-Pak AnionH/R ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 78386 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14797-73-0	Perchlorate	19.72		0.40	0.034

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\P100814A331_11.d
 Lims ID: 200-24551-A-10 MSD
 Client ID: PW-52
 Sample Type: MSD
 Inject. Date: 08-Oct-2014 14:06:59 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 100.0 ul Dil. Factor: 2.0000
 Sample Info: 200-0009905-011 200-24551-A-10 MSD
 Misc. Info.: P100814A_331
 Operator ID: CAV Instrument ID: LC3062
 Raw Data: Smoothed
 Method: \\BTv-LIMS1\ChromData\LC3062\20141008-9905.b\perc_LC3062.m
 Limit Group: LC_331.0_Limits
 Last Update: 08-Oct-2014 14:45:15 Calib Date: 30-Dec-2013 15:09:10
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\BTv-LIMS1\ChromData\LC3062\20131230-5587.b\P123013CAL06.d

Column 1 : Det: F1:MRM

Process Host: XAWRK033

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ug/L	Ratio(Limits)	S/N	Flags
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24 Perchlorate

98.7 > 82.7	8.835	8.894	-0.059	1.006	645674	9.86			
100.7 > 84.7	8.807	8.894	-0.087	1.003	215267		3.00(2.31-3.85)		

* 23 18-O Perchlorate

106.7 > 88.7	8.779	9.101	-0.322		61669	1.00			
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Reagents:

LCPercSoilMSi_00011	Amount Added: 20.00	Units: uL	
LCPercWISi_00018	Amount Added: 50.00	Units: uL	Run Reagent

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\LC3062\20141008-9905.b\IP100814A331_11.d

Injection Date: 08-Oct-2014 14:06:59

Instrument ID: LC3062

Lims ID: 200-24551-A-10 MSD

Client ID: PW-52

Operator ID: CAV

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 100.0 ul

Dil. Factor: 2.0000

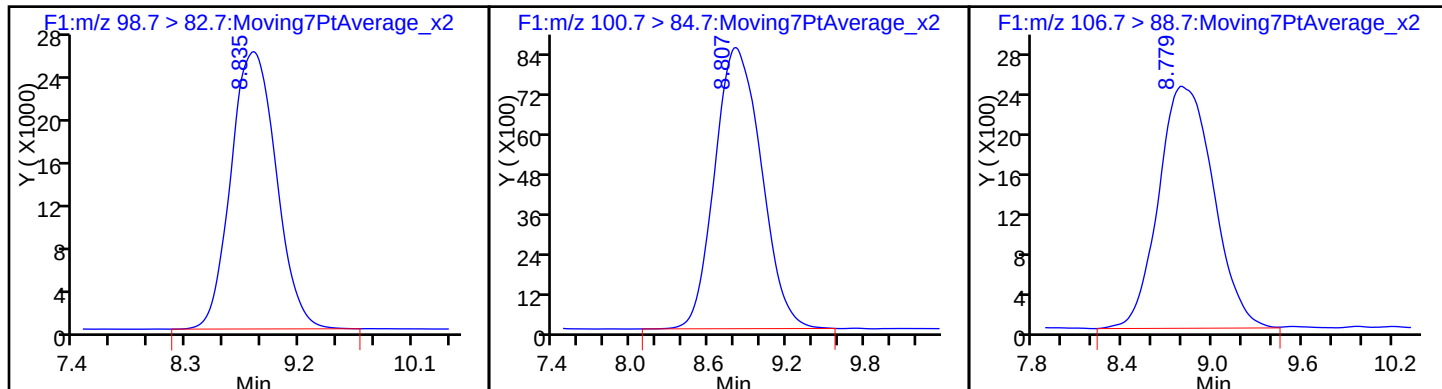
Method: perc_LC3062

Limit Group: LC_331.0_Limits

24 Perchlorate

24 Perchlorate

* 23 18-O Perchlorate



LCMS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Instrument ID: LC3062 Start Date: 12/30/2013 13:52
Analysis Batch Number: 66609 End Date: 12/30/2013 15:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICB 200-66609/1		12/30/2013 13:52	1		IC-Pak AnionH/R 4.6 (mm)
IC 200-66609/2		12/30/2013 14:08	1	P123013CAL02.d	IC-Pak AnionH/R 4.6 (mm)
IC 200-66609/3		12/30/2013 14:23	1	P123013CAL03.d	IC-Pak AnionH/R 4.6 (mm)
ICISAV 200-66609/4		12/30/2013 14:38	1	P123013CAL04.d	IC-Pak AnionH/R 4.6 (mm)
IC 200-66609/5		12/30/2013 14:53	1	P123013CAL05.d	IC-Pak AnionH/R 4.6 (mm)
IC 200-66609/6		12/30/2013 15:09	1	P123013CAL06.d	IC-Pak AnionH/R 4.6 (mm)
ICV 200-66609/7		12/30/2013 15:24	1	P123013CAL07.d	IC-Pak AnionH/R 4.6 (mm)

LCMS ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-24551-1SDG No.: A8091390 (200-24551)Instrument ID: LC3062Start Date: 07/29/2014 19:10Analysis Batch Number: 77739End Date: 07/29/2014 21:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICB 200-77739/1		07/29/2014 19:10	1	P072914_331A01. d	IC-Pak AnionH/R 4.6 (mm)
CCVIS 200-77739/2		07/29/2014 19:23	1	P072914_331A02. d	IC-Pak AnionH/R 4.6 (mm)
CCVL 200-77739/3		07/29/2014 19:38	1	P072914_331A03. d	IC-Pak AnionH/R 4.6 (mm)
LSSMB 200-77739/4		07/29/2014 19:53	1	P072914_331A04. d	IC-Pak AnionH/R 4.6 (mm)
ZZZZZ		07/29/2014 20:09	1		IC-Pak AnionH/R 4.6 (mm)
ZZZZZ		07/29/2014 20:25	1		IC-Pak AnionH/R 4.6 (mm)
ZZZZZ		07/29/2014 20:39	2		IC-Pak AnionH/R 4.6 (mm)
INF 200-77739/8		07/29/2014 21:10	1	P072914_331A09. d	IC-Pak AnionH/R 4.6 (mm)
CCV 200-77739/9		07/29/2014 21:25	1	P072914_331A10. d	IC-Pak AnionH/R 4.6 (mm)

LCMS ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-24551-1SDG No.: A8091390 (200-24551)Instrument ID: LC3062Start Date: 10/07/2014 11:53Analysis Batch Number: 78314End Date: 10/07/2014 17:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICB 200-78314/1		10/07/2014 11:53	1	P100714A331_01. d	IC-Pak AnionH/R 4.6 (mm)
CCVIS 200-78314/2		10/07/2014 12:08	1	P100714A331_02. d	IC-Pak AnionH/R 4.6 (mm)
CCVL 200-78314/3		10/07/2014 12:24	1	P100714A331_03. d	IC-Pak AnionH/R 4.6 (mm)
MB 200-78314/4		10/07/2014 12:39	1	P100714A331_04. d	IC-Pak AnionH/R 4.6 (mm)
LCS 200-78314/5		10/07/2014 12:54	1	P100714A331_05. d	IC-Pak AnionH/R 4.6 (mm)
200-24551-1	TRIP BLANK	10/07/2014 13:10	1	P100714A331_06. d	IC-Pak AnionH/R 4.6 (mm)
200-24551-2	PW-33	10/07/2014 13:25	3	P100714A331_07. d	IC-Pak AnionH/R 4.6 (mm)
200-24551-3	PW-34	10/07/2014 13:40	5	P100714A331_08. d	IC-Pak AnionH/R 4.6 (mm)
200-24551-4	PW-37	10/07/2014 13:55	6	P100714A331_09. d	IC-Pak AnionH/R 4.6 (mm)
200-24551-5	PW-38	10/07/2014 14:11	3	P100714A331_10. d	IC-Pak AnionH/R 4.6 (mm)
200-24551-6	PW-40	10/07/2014 14:26	1	P100714A331_11. d	IC-Pak AnionH/R 4.6 (mm)
200-24551-7	PW-43	10/07/2014 14:41	5	P100714A331_12. d	IC-Pak AnionH/R 4.6 (mm)
ZZZZZ		10/07/2014 14:57	6		IC-Pak AnionH/R 4.6 (mm)
CCV 200-78314/14		10/07/2014 15:12	1	P100714A331_14. d	IC-Pak AnionH/R 4.6 (mm)
ZZZZZ		10/07/2014 15:27	1		IC-Pak AnionH/R 4.6 (mm)
ZZZZZ		10/07/2014 15:43	1		IC-Pak AnionH/R 4.6 (mm)
ZZZZZ		10/07/2014 15:58	1		IC-Pak AnionH/R 4.6 (mm)
ZZZZZ		10/07/2014 16:19	10		IC-Pak AnionH/R 4.6 (mm)
ZZZZZ		10/07/2014 16:34	2		IC-Pak AnionH/R 4.6 (mm)
ZZZZZ		10/07/2014 16:49	2		IC-Pak AnionH/R 4.6 (mm)
ZZZZZ		10/07/2014 17:04	2		IC-Pak AnionH/R 4.6 (mm)
CCV 200-78314/22		10/07/2014 17:20	1		IC-Pak AnionH/R 4.6 (mm)

LCMS ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-24551-1SDG No.: A8091390 (200-24551)Instrument ID: LC3062Start Date: 10/08/2014 11:36Analysis Batch Number: 78386End Date: 10/08/2014 14:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICB 200-78386/1		10/08/2014 11:36	1	P100814A331_01. d	IC-Pak AnionH/R 4.6(mm)
CCVIS 200-78386/2		10/08/2014 11:49	1	P100814A331_02. d	IC-Pak AnionH/R 4.6(mm)
CCVL 200-78386/3		10/08/2014 12:04	1	P100814A331_03. d	IC-Pak AnionH/R 4.6(mm)
MB 200-78386/4		10/08/2014 12:19	1	P100814A331_04. d	IC-Pak AnionH/R 4.6(mm)
LCS 200-78386/5		10/08/2014 12:35	1	P100814A331_05. d	IC-Pak AnionH/R 4.6(mm)
200-24551-11	PW-53	10/08/2014 12:50	1	P100814A331_06. d	IC-Pak AnionH/R 4.6(mm)
200-24551-12	DUP	10/08/2014 13:05	1	P100814A331_07. d	IC-Pak AnionH/R 4.6(mm)
200-24551-9	PW-50	10/08/2014 13:21	10	P100814A331_08. d	IC-Pak AnionH/R 4.6(mm)
200-24551-10	PW-52	10/08/2014 13:36	2	P100814A331_09. d	IC-Pak AnionH/R 4.6(mm)
200-24551-10 MS	PW-52 MS	10/08/2014 13:51	2	P100814A331_10. d	IC-Pak AnionH/R 4.6(mm)
200-24551-10 MSD	PW-52 MSD	10/08/2014 14:06	2	P100814A331_11. d	IC-Pak AnionH/R 4.6(mm)
CCV 200-78386/12		10/08/2014 14:22	1	P100814A331_12. d	IC-Pak AnionH/R 4.6(mm)

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Burlington Job Number: 200-24551-1
SDG No.: A8091390 (200-24551)
Project: A8091390 (200-24551)

Client Sample ID	Lab Sample ID
<u>TRIP BLANK</u>	<u>200-24551-1</u>
<u>PW-52</u>	<u>200-24551-10</u>
<u>PW-53</u>	<u>200-24551-11</u>
<u>DUP</u>	<u>200-24551-12</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: TRIP BLANK

Lab Sample ID: 200-24551-1

Lab Name: TestAmerica Burlington

Job No.: 200-24551-1

SDG ID.: A8091390 (200-24551)

Matrix: Water

Date Sampled: 10/01/2014 00:00

Reporting Basis: WET

Date Received: 10/03/2014 10:40

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20		ug/L	U		1	245.1

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PW-52 Lab Sample ID: 200-24551-10
Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG ID.: A8091390 (200-24551)
Matrix: Water Date Sampled: 10/01/2014 09:54
Reporting Basis: WET Date Received: 10/03/2014 10:40

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7439-97-6	Mercury	0.22	0.20		ug/L			1	245.1

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: PW-53
Lab Sample ID: 200-24551-11
Lab Name: TestAmerica Burlington
Job No.: 200-24551-1
SDG ID.: A8091390 (200-24551)
Matrix: Water
Date Sampled: 10/01/2014 12:01
Reporting Basis: WET
Date Received: 10/03/2014 10:40

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20		ug/L	U		1	245.1

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DUP
Lab Name: TestAmerica Burlington
SDG ID.: A8091390 (200-24551)
Matrix: Water
Reporting Basis: WET

Lab Sample ID: 200-24551-12
Job No.: 200-24551-1
Date Sampled: 10/01/2014 12:01
Date Received: 10/03/2014 10:40

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20		ug/L	U		1	245.1

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

ICV Source: MEHGICVw_00034 Concentration Units: ug/L

CCV Source: mehgccvw_00844

Analyte	ICV 200-79045/7-A 10/22/2014 12:08				CCV 200-79045/10-A 10/22/2014 12:14				CCV 200-79045/10-A 10/22/2014 12:44			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.95		3.00	98	4.70		5.00	94	4.69		5.00	94

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Method: 245.1 Instrument ID: MEPCV3 II
Lab Sample ID: CRI 200-79045/9-A Concentration Units: ug/L
CRQL Check Standard Source: mehgcvw_00844

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.20	U	98	90-110

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Concentration Units: ug/L

Analyte	RL	ICB 200-79045/8-A 10/22/2014 12:10		CCB 200-79045/11-A 10/22/2014 12:17		CCB 200-79045/11-A 10/22/2014 12:46			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U		

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Concentration Units: ug/L Lab Sample ID: MB 200-79045/12-A
Instrument Code: MEPCV3 II Batch No.: 79113

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		245.1

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: PW-52 MS Lab ID: 200-24551-10 MS
Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Matrix: Water Concentration Units: ug/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	1.13	0.22	1.00	91	85-115		245.1

SSR = Spiked Sample Result

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

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: PW-52 MSD Lab ID: 200-24551-10 MSD
Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
Matrix: Water Concentration Units: ug/L
% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	1.14	1.00	92	85-115	1	20		245.1

SDR = Sample Duplicate Result

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

6-IN
DUPLICATES
METALS

Client ID: PW-52 DU Lab ID: 200-24551-10 DU
Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
% Solids for Sample: _____ % Solids for Duplicate: _____
Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.20	0.22	0.204	7		245.1

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

6-IN
TRIPLICATES
METALS

Client ID: PW-52 TRL Lab ID: 200-24551-10 TRL
Lab Name: TestAmerica Burlington Job No.: 200-24551-1
SDG No.: A8091390 (200-24551)
% Solids for Sample: _____ % Solids for Duplicate: _____
Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample C	Duplicate C	Triplicate C	%RSD	Q	Method
Mercury	0.20	0.22	0.204	0.20	U	NC	245.1

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 200-79045/13-A

Lab Name: TestAmerica Burlington

Job No.: 200-24551-1

Sample Matrix: Water

LCS Source: mehgccvw_00844

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	0.933		93	85	115		245.1

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

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-24551-1
SDG Number: A8091390 (200-24551)
Matrix: Water Instrument ID: MEPCV3 II
Method: 245.1 RL Date: 01/01/2009 09:51
Prep Method: 245.1

Analyte	Wavelength/ Mass	RL (ug/L)	
Mercury	253.7	0.2	

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-24551-1
SDG Number: A8091390 (200-24551)
Matrix: Water Instrument ID: MEPCV3 II
Method: 245.1 XMDL Date: 03/18/2014 20:14

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury	253.7	0.2	0.034

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Burlington

Job No: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: MEPCV3 II

Date: 01/01/2011 09:52

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Mercury	10	10	245.1

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Burlington

Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Prep Method: 245.1

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 200-79045/12-A	10/21/2014 15:30	79045		50	50
LCS 200-79045/13-A	10/21/2014 15:30	79045		50	50
200-24551-1	10/21/2014 15:30	79045		50	50
200-24551-10	10/21/2014 15:30	79045		50	50
200-24551-10 DU	10/21/2014 15:30	79045		50	50
200-24551-10 MS	10/21/2014 15:30	79045		50	50
200-24551-10 MSD	10/21/2014 15:30	79045		50	50
200-24551-10 TRL	10/21/2014 15:30	79045		50	50
200-24551-11	10/21/2014 15:30	79045		50	50
200-24551-12	10/21/2014 15:30	79045		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-24551-1

SDG No.: A8091390 (200-24551)

Instrument ID: MEPCV3 II Method: 245.1

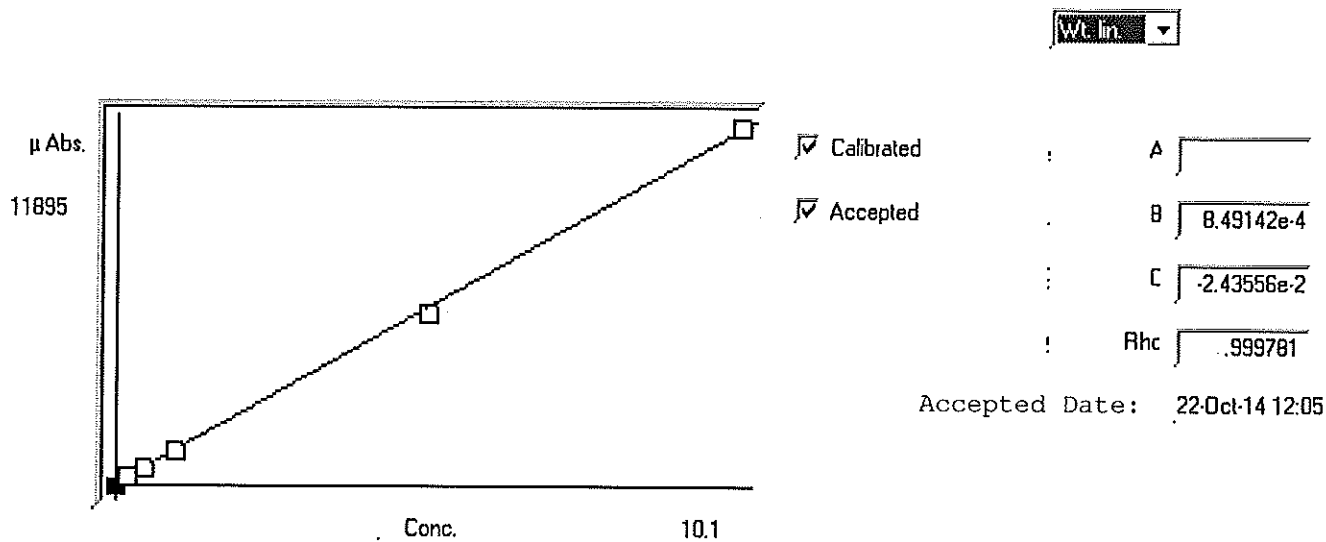
Start Date: 10/22/2014 11:54 End Date: 10/22/2014 12:46

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
STD01REP1 200-79113/1 IC			11:54	X																	
STD02REP1 200-79113/2 IC			11:56	X																	
STD03REP1 200-79113/3 IC			11:59	X																	
STD04REP1 200-79113/4 IC			12:01	X																	
STD05REP1 200-79113/5 IC			12:03	X																	
STD06REP1 200-79113/6 IC			12:05	X																	
ICV 200-79045/7-A	1		12:08	X																	
ICB 200-79045/8-A	1		12:10	X																	
CRI 200-79045/9-A	1		12:12	X																	
CCV 200-79045/10-A	1		12:14	X																	
CCB 200-79045/11-A	1		12:17	X																	
MB 200-79045/12-A	1	T	12:19	X																	
LCS 200-79045/13-A	1	T	12:21	X																	
ZZZZZZ			12:24																		
200-24551-1	1	T	12:26	X																	
200-24551-10	1	T	12:28	X																	
200-24551-10 DU	1	T	12:30	X																	
200-24551-10 MS	1	T	12:33	X																	
200-24551-10 MSD	1	T	12:35	X																	
200-24551-10 TRL	1	T	12:37	X																	
200-24551-11	1	T	12:40	X																	
200-24551-12	1	T	12:42	X																	
CCV 200-79045/10-A	1		12:44	X																	
CCB 200-79045/11-A	1		12:46	X																	

Prep Types

T = Total/NA

Protocol: MEPCV3II



S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.038	.038	74	0	73				
02	.20000	.224	.024	292	0%	292				
03	.50000	.524	.024	647	0%	646				
04	1.0000	1.00	.001	1209	0%	1208				
05	5.0000	4.84	-.163	5725	0%	5725				
06	10.000	10.1	.076	11895	0%	11895				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1				Seq: 295	11:54:36	22 Oct 14	HG	
Hg	.000	ppb	73					=
*** Standard: 2 Rep: 1				Seq: 296	11:56:51	22 Oct 14	HG	
Hg	.200	ppb	292					=
*** Standard: 3 Rep: 1				Seq: 297	11:59:05	22 Oct 14	HG	
Hg	.500	ppb	646					=
*** Standard: 4 Rep: 1				Seq: 298	12:01:19	22 Oct 14	HG	
Hg	1.00	ppb	1208					=
*** Standard: 5 Rep: 1				Seq: 299	12:03:33	22 Oct 14	HG	
Hg	5.00	ppb	5725					=
*** Standard: 6 Rep: 1				Seq: 300	12:05:49	22 Oct 14	HG	
Hg	10.0	ppb	11895					=
*** Sample ID: cev ICV			102114CC	Seq: 301	12:08:03	22 Oct 14	HG	
Hg	2.95	ppb	.000	2.95				=
=====								
*** Sample ID: blank ICB			102114CC	Seq: 302	12:10:16	22 Oct 14	HG	
Hg	-.012	ppb	.000	-.012				=
*** Sample ID: blank CRI			102114CC	Seq: 303	12:12:33	22 Oct 14	HG	
Hg	.196	ppb	.000	.196				=
*** Sample ID: blank CCV			102114CC	Seq: 304	12:14:49	22 Oct 14	HG	
Hg	4.70	ppb	.000	4.70				=
*** Sample ID: blank CCB			102114CC	Seq: 305	12:17:05	22 Oct 14	HG	
Hg	-.038	ppb	.000	-.038				=
*** Sample ID: blank MB 79045			102114CC	Seq: 306	12:19:24	22 Oct 14	HG	
Hg	.006	ppb	.000	.006				=

* NJR
10/22/14

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
=====								
***	Sample ID:	blank	102114CC	Seq:	307	12:21:58	22 Oct 14	HG
Hg	.933	ppb	.000		.933			
=====								
***	Sample ID:	24484H1E	102114CC	Seq:	308	12:24:11	22 Oct 14	HG
Hg	-.024	ppb	.000		-.024			
=====								
***	Sample ID:	24551H1B	102114CC	Seq:	309	12:26:25	22 Oct 14	HG
Hg	-.015	ppb	.000		-.015			
=====								
***	Sample ID:	24551G10E	102114CC	Seq:	310	12:28:39	22 Oct 14	HG
Hg	.218	ppb	.000		.218			
=====								
***	Sample ID:	24551G10FD	102114CC	Seq:	311	12:30:59	22 Oct 14	HG
Hg	.204	ppb	.000		.204			
=====								
***	Sample ID:	24551G10GS	102114CC	Seq:	312	12:33:24	22 Oct 14	HG
Hg	1.13	ppb	.000		1.13			
=====								
***	Sample ID:	24551B10B	102114CC	Seq:	313	12:35:38	22 Oct 14	HG
Hg	1.14	ppb	.000		1.14			
=====								
***	Sample ID:	24551G10HT	102114CC	Seq:	314	12:37:52	22 Oct 14	HG
Hg	.184	ppb	.000		.184			
=====								
***	Sample ID:	24551G11B	102114CC	Seq:	315	12:40:07	22 Oct 14	HG
Hg	.038	ppb	.000		.038			
=====								
***	Sample ID:	24551B12B	102114CC	Seq:	316	12:42:20	22 Oct 14	HG
Hg	.058	ppb	.000		.058			
=====								

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID:	CCV		102114CC	Seq: 317	12:44:36	22 Oct 14	HG	
Hg	4.69	ppb	.000	4.69				
=====								
*** Sample ID:	CCB		102114CC	Seq: 318	12:46:53	22 Oct 14	HG	
Hg	-.080	ppb	.000	-.080				
=====								

METALS BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1SDG No.: A8091390 (200-24551)Batch Number: 79045 Batch Start Date: 10/21/14 15:30 Batch Analyst: Tober, Elizabeth RBatch Method: 245.1 Batch End Date: 10/21/14 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	mehgccvw 00844	MEHGICVw 00034	
ICV 200-79045/7		245.1, 245.1			50 mL	50 mL		5 mL	
ICB 200-79045/8		245.1, 245.1			50 mL	50 mL			
CRI 200-79045/9		245.1, 245.1			50 mL	50 mL	0.1 mL		
CCV 200-79045/10		245.1, 245.1			50 mL	50 mL	2.5 mL		
CCB 200-79045/11		245.1, 245.1			50 mL	50 mL			
MB 200-79045/12		245.1, 245.1			50 mL	50 mL			
LCS 200-79045/13		245.1, 245.1			50 mL	50 mL	0.5 mL		
200-24551-H-1	TRIP BLANK	245.1, 245.1	T	<2	50 mL	50 mL			
200-24551-G-10	PW-52	245.1, 245.1	T	<2	50 mL	50 mL			
200-24551-G-10	PW-52	245.1, 245.1	T	<2	50 mL	50 mL			
DU 200-24551-G-10	PW-52	245.1, 245.1	T	<2	50 mL	50 mL	0.5 mL		
MS 200-24551-B-10	PW-52	245.1, 245.1	T	<2	50 mL	50 mL	0.5 mL		
MSD 200-24551-G-10	PW-52	245.1, 245.1	T	<2	50 mL	50 mL			
TRL 200-24551-G-11	PW-53	245.1, 245.1	T	<2	50 mL	50 mL			
200-24551-G-12	DUP	245.1, 245.1	T	<2	50 mL	50 mL			

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

245.1

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METALS BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 200-24551-1SDG No.: A8091390 (200-24551)Batch Number: 79045 Batch Start Date: 10/21/14 15:30 Batch Analyst: Tober, Elizabeth RBatch Method: 245.1 Batch End Date: 10/21/14 17:30

Batch Notes	
Hydroxylamine Hydrochloride Lot	711507
Batch Comment	SPIKE WITNESS SAP
Digestion End Time	1730
Digestion Start Time	1530
Sulfuric Acid Lot Number	711485
Lot # of hydrochloric acid	684135
Lot # of Nitric Acid	684140
Hood ID or number	109B
Hot Block ID number	B7
Potassium Persulfate Lot Number	709824
Potassium Permanganate Lot Number	709822
Oven, Bath or Block Temperature 1	95 Degrees C
Pipette ID	HJ17905,129654
Stannous Chloride Lot Number	709835
SOP Number	BR-ME-015
Temperature	95 Degrees C
ID number of the thermometer	38
Digestion Tube/Cup Lot #	197897
Visual ck - digestate F.V. consistency	YES

Basis	Basis Description
T	Total/NA

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

245.1

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